

# **SEDIMENT DATA FOR MID-ARKANSAS AND UPPER-RED RIVER BASINS THROUGH 1980**

**By Stephen P. Blumer**

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**JAMES G. WATT, Secretary**

**GEOLOGICAL SURVEY**

**Dallas L. Peck, Director**

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***For additional information write to:***

James H. Irwin, District Chief  
U.S. Geological Survey  
Water Resources Division  
Room 621, Old Post Office Building  
215 Dean A. McGee Avenue  
Oklahoma City, Oklahoma 73102

Telephone: (405) 231-4256

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## CONVERSION FACTORS

Inch-pound units used in this report may be converted to International System (SI) of units by the following factors:

MULTIPLY INCH-POUND UNIT	BY	TO OBTAIN SI UNIT
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometer
degree Fahrenheit (°F)	(°F-32)5/9	degree Celsius (°C)

SEDIMENT DATA FOR THE MID-ARKANSAS AND  
UPPER-RED RIVER BASINS THROUGH 1980

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ABSTRACT

Sediment data have been collected at 279 locations within the Mid-Arkansas and Upper-Red River basins in and along the borders of Oklahoma and Kansas. This compilation of sediment records presents tables and plots of all suspended-sediment data collected between 1930 and 1980. The publication not only provides a published source of all available suspended-sediment data, but more importantly provides potential users with an efficient means to access this large amount of data through the U.S. Geological Survey WATSTORE system.

## INTRODUCTION

Sediment data have been collected since 1930 by Federal agencies, but have not been compiled in a form which can be used by other agencies or the general public. Most of the data were collected to assess locally defined problems, and heretofore no attempt has been made to compile this information on a regional basis.

The objective of this report is to compile all existing sediment data collected through 1980 on the Mid-Arkansas and Upper-Red River basins in and along the borders of Oklahoma and Kansas. This compilation should provide a readily available source of all existing sediment data in the region. All data can be accessed through the U.S. Geological Survey National Water Data Storage and Retrieval System (WATSTORE).



## ACKNOWLEDGMENTS

Sediment data have been collected in Oklahoma, Kansas and bordering states by several Federal agencies. The principal cooperator for this project is the U.S. Army Corps of Engineers (USCE), Tulsa District. Additionally, the U.S. Department of Agriculture, Agriculture Research Service (ARS) provided data from several study basins in the Washita River drainage, and the U.S. Department of Agriculture, Soil Conservation Service (SCS) provided assistance in delineation of streamflow regulation by small floodwater-retarding structures. The author thanks all of these agencies for their part in the collection and compilation of sediment data. Special thanks go to Troy M. Willard, Ralph R. Hight, and Paul L. Bisdorf of the USCE, Paul B. Allen of the ARS, Ray C. Riley of the SCS, and Jonathon C. Scott and Waite R. Osterkamp of the U.S. Geological Survey (USGS).

## HYDROLOGIC CONDITIONS

Aside from annual and cyclic climatic variations, land-use changes and construction of large and small detention structures have had the most significant impact on sediment transport from the Mid-Arkansas and Upper-Red River basins during this 50-year period. Several discontinued sediment sampling sites are now inundated by reservoirs. The effect each large reservoir has had on the sediment data given in this report depends on the period of construction and operation. The dates of construction and operation for all large reservoirs in the Mid-Arkansas and Upper-Red River basins are shown in table 1. All sediment data collection sites and each large reservoir are located on figure 1.

General streamflow conditions for three long-term gaging stations in Oklahoma are shown in figure 2. The streamflow is the annual water discharge in cubic feet per second-days. Generally the period 1941 to 1951 was quite wet, with streamflow well above the long-term mean. Storms in 1945 produced several peaks of record. From 1952 through 1956 streamflow was low. Water year 1957 was exceptionally wet and produced many peaks of record. The period 1958 to 1962 had average or above average flows. Streamflow during

Table 1.--Reservoir data

Reservoir name	Stream name	Initial construction	Reservoir operation	Drainage area (square miles)
<b>Arkansas River Basin</b>				
Arcadia Lake	Deep Fork River	1980	--	105
Big Hill Lake	Big Hill Creek	1974	1981	36.9
Birch Lake	Birch Creek	1973	1977	66
Candy Lake	Candy Creek	1976	--	43
Canton Lake	North Canadian River	1940	1948	7,600 <sup>a</sup>
Cheney Reservoir	North Fork Minnescah River	1962	1964	664 <sup>a</sup>
Copan Lake	Little Caney River	1972	--	505
Council Grove Lake	Grand (Neosho) River	1960	1964	246
El Dorado Lake	Walnut River	1973	1981	234
Elk City Lake	Elk River	1962	1966	634
Eucha Lake	Spavinaw Creek	--	1952	358
Eufaula Lake	Canadian River	1956	1964	47,522
Fall River Lake	Fall River	1946	1949	585
Fort Gibson Lake	Grand (Neosho) River	1946	1950	12,492
Fort Supply Lake	Wolf Creek	1938	1942	1,494 <sup>a</sup>
Great Salt Plains Lake	Salt Fork Arkansas River	1938	1941	3,200
Heyburn Lake	Polecat Creek	1948	1950	123
Hulah Lake	Caney River	1946	1951	732
John Redmond Reservoir	Grand (Neosho) River	1959	1964	3,015
Kaw Lake	Arkansas River	1966	1976	6,652 <sup>a</sup>
Keystone Lake	Arkansas River	1957	1964	22,351 <sup>a</sup>
Lake Carl Blackwell	Stillwater Creek	--	1938	70.5 <sup>a</sup>
Lake Frances	Illinois River	--	--	635
Lake Hefner	Bluff Creek	1942	1943	1.8
Lake McMurtry	North Stillwater Creek	--	1971	25
Lake Meredith	Canadian River	1962	1965	16,048 <sup>a</sup>
Lake Stanley Draper	East Elm Creek	--	1962	11.6 <sup>b</sup>
Marion Lake	Cottonwood River	1964	1967	200
Markham Ferry Reservoir	Grand (Neosho) River	1961	1964	11,533
Lake Thunderbird	Little River	1962	1964	256
Oologah Lake	Verdigris River	1955	1963	4,339
Optima Lake	North Canadian River	1966	1978	2,341 <sup>a</sup>
Overholser Lake	North Canadian River	--	1919	8,300
Pensacola Lake	Grand (Neosho) River	1938	1940	10,298
Robert S. Kerr Reservoir	Arkansas River	1964	1970	125,515 <sup>a</sup>
Skiatook Lake	Hominy Creek	1974	--	354
Spavinaw Lake	Spavinaw Creek	--	1924	380
Thunderbird Lake	Little River	1962	1965	256
Tenkiller Ferry Lake	Illinois River	1947	1952	1,610
Toronto Lake	Verdigris River	1954	1960	730
Webbers Falls Lock and Dam	Arkansas River	1965	1970	97,033
Wister Lake	Poteau River	1946	1949	993
<b>Red River Basin</b>				
Altus Reservoir	North Fork Red River	1941	1946	2,116 <sup>a</sup>
Arbuckle Reservoir	Rock Creek	1964	1967	126
Atoka Lake	North Boggy Creek	1959	1964	176
Broken Bow Lake	Mountain Fork River	1961	1968	754
Sardis Lake	Jackfork Creek	1975	1982	275
DeQueen Lake	Rolling Fork River	1966	1977	169
Dierks Lake	Saline River	1968	1975	114
Fort Cobb Reservoir	Pond (Cobb) Creek	1958	1959	285 <sup>a</sup>
Foss Reservoir	Washita River	1958	1961	1,496
Gillham Lake	Cossatot River	1963	1975	271
Hugo Lake	Kiamichi River	1967	1974	1,709
Lake Ellsworth	East Cache Creek	--	1962	246
Lake Kemp	Wichita River	1970	1972	2,086
Lake Lawtonka	Medicine Creek	--	1905	93
Lake Santa Rosa	Beaver Creek	--	1929	334 <sup>a</sup>
Lake Texoma	Red River	1939	1944	33,783 <sup>a</sup>
McGee Creek Reservoir	McGee Creek	1980	--	178
Millwood Lake	Little River	1961	1966	4,144
Tom Steed Reservoir	West Otter Creek	1971	1975	121
Pat Mayse Lake	Sanders Creek	1965	1967	175
Pine Creek Lake	Little River	1963	1969	635
Waurika Lake	Beaver Creek	1971	1977	562

<sup>a</sup>Contributing drainage area<sup>b</sup>Includes 2,800-acre lake surface

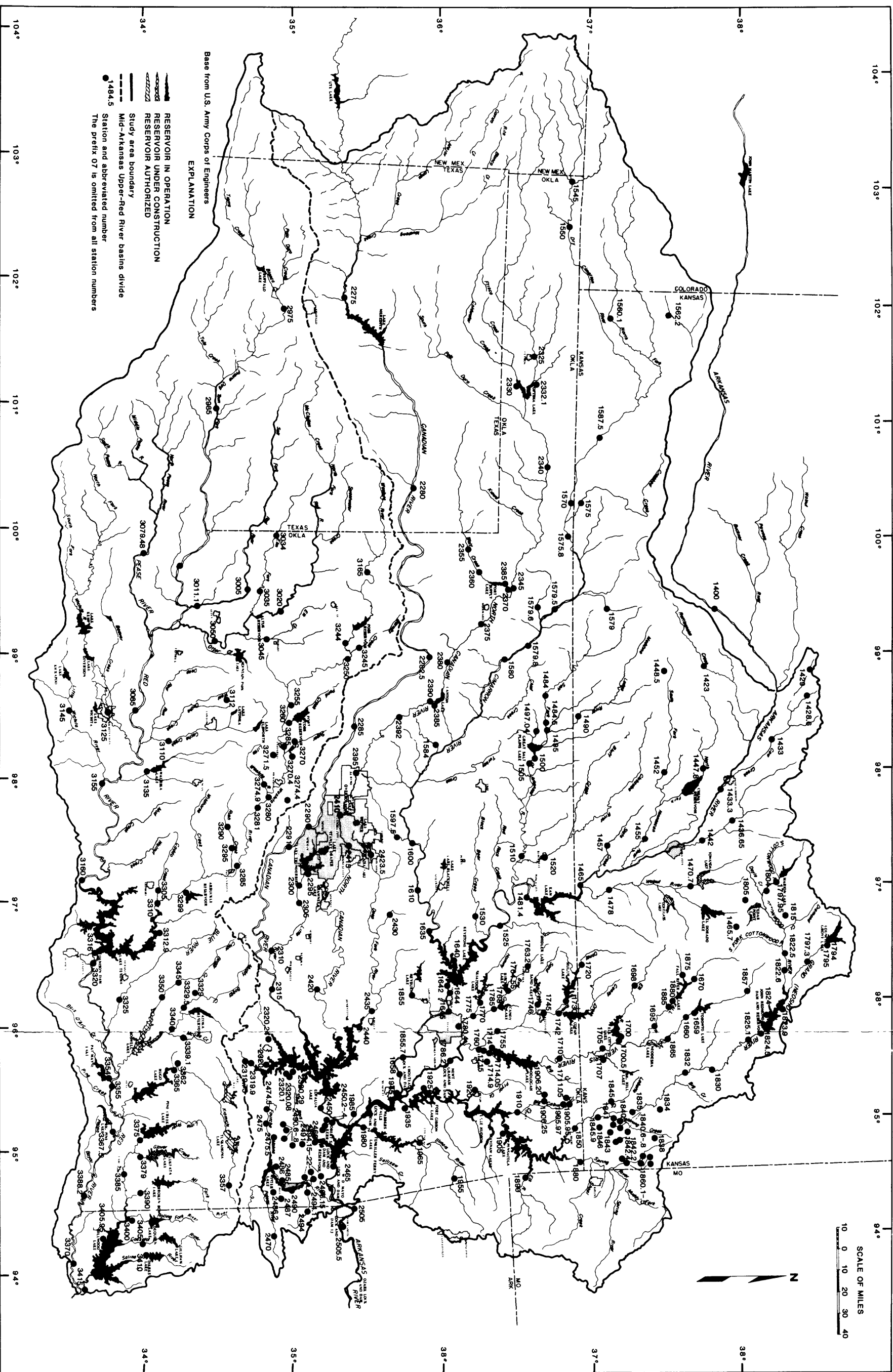


Figure 1.--Station location map.

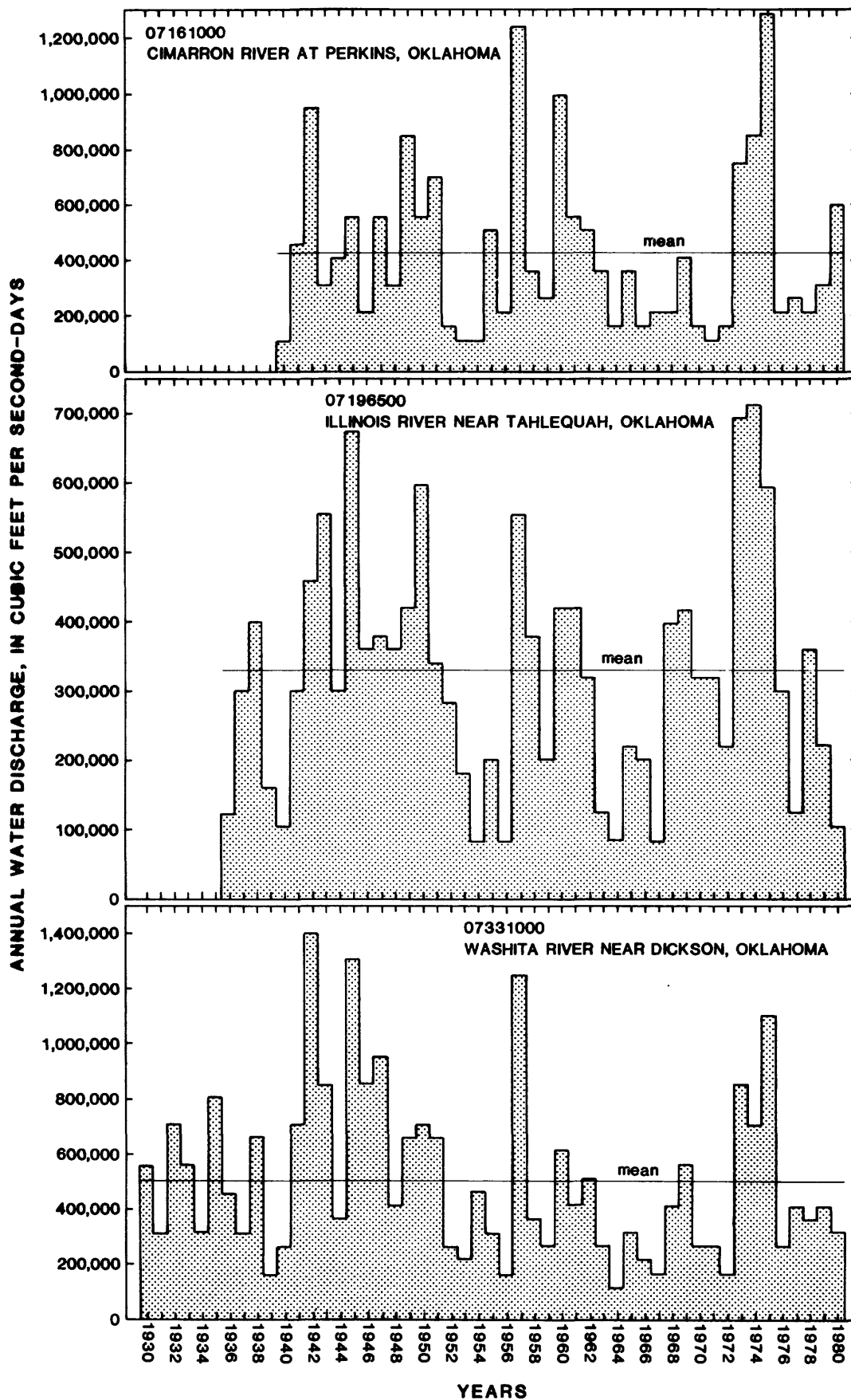


Figure 2.--Annual water discharge at selected gaging stations.

the period 1963 to 1972 was generally well below the long-term average. Between 1973 and 1975, annual runoff well in excess of the average was observed at most stations. The five-year period ending in 1980 had below average streamflow.

## EXPLANATION OF SEDIMENT RECORDS

### Station Selection

All stations with sediment data stored in the USGS WATSTORE system are included in this report. Data for those stations with more than 20 sediment samples collected prior to the end of the 1980 water year are each presented separately in tabular and graphic form following a short station description. Data from sites with less than 20 samples are listed as a group at the end of the report, but not plotted.

All sediment data collection sites referred to in this report are listed in downstream order in table 2, following the data presentation.

## Data Collection

Sediment is solid material that originated mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; sediment includes chemical and biochemical precipitates and decomposed organic material. The quantity, characteristics, and causes 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 concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the stream cross section. Sampling at some stations may be a single vertical.

Generally samples were collected daily, weekly, or monthly. However, during periods of rapidly changing flow or rapidly changing suspended-sediment concentration, samples may have been collected twice daily or, in some instances, hourly.



Although sediment data collected periodically may represent concentrations only at the time of observation, such data are useful in establishing seasonal relations between quantity of sediment and water discharge and in predicting long-term sediment-discharge characteristics of the stream.

## Data Tables

Sediment data provided in this report may be a result of one sample or a composite of several samples taken over a period of one day. In some cases, the data provided may be a composite of samples collected over several days. All composite samples are footnoted to indicate the number of days associated with the composite data point.

The sample date is recorded in the year-month-day format: 54-06-03 translates to June 3, 1954. Time of day is recorded using a 24-hour time. The time of measurement for many historic samples was not recorded. To facilitate data storage of two or more samples in a single day, when time was not recorded, arbitrary times 0001, 0002, 0003 and so on were assigned. The actual timing of these samples is unknown.

Generally discharge was recorded as the instantaneous discharge measured at the sampling time or as a function of the stage recorded at the time of sample collection. In numerous instances the mean daily discharge was used. An "\*" immediately following the value of discharge designates mean daily discharge.

The number of significant figures used is based on the magnitude of the number. Less than 1.00 ft<sup>3</sup>/s (cubic foot per second) is rounded to the nearest hundredth. Between 1.0 and 9.9 ft<sup>3</sup>/s the nearest tenth is recorded. The nearest whole number is recorded between 10 and 999 ft<sup>3</sup>/s. For discharge between 1,000 ft<sup>3</sup>/s, but less than 100,000 ft<sup>3</sup>/s three significant figures are used. Four significant figures are used for discharges equal to or greater than 100,000 ft<sup>3</sup>/s.

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 foot above the streambed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). Prior to mid-1953 all USCE concentration data were rounded to the nearest hundred milligrams per liter. After that time all concentration data, irrespective of contributing agency, were rounded to three significant figures if greater than 100 mg/L. Between 10 and 100 mg/L, the nearest ten was recorded; the nearest whole number was used for concentrations less than 10 mg/L.

For each sediment sample the agency which performed the laboratory analysis is indicated immediately following the suspended-sediment concentration data. Agencies and corresponding remarks are as follows: U.S. Geological Survey, "blank"; U.S. Army Corps of Engineers, "A"; U.S. Department of Agriculture, Agriculture Research Service, "B".

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of stream or is the quantity of sediment that passes a stream cross section in a given time. When expressed in tons per day it is computed product of water discharge in cubic feet per second, sediment concentration in milligrams per liter, and a conversion factor of 0.0027.

### Data Plots

All sediment data presented in tabular form are also shown graphically by a plot relating suspended-sediment concentration (mg/L) to water discharge ( $\text{ft}^3/\text{s}$ ) as shown in the example of figure 3. For those stations where a relation exists between suspended-sediment concentration and water discharge a second plot is provided showing the relation of suspended-sediment discharge (tons/day) to water discharge ( $\text{ft}^3/\text{s}$ ) as illustrated in figure 4. In general, discharges from floodwater-retention structures or significantly regulated streams have poor sediment concentration-water discharge relations (fig. 3) and therefore do not have sediment discharge-water discharge plots (fig. 4).

The number of samples at each plotting position is indicated by alphabetic character where: A=1, B=2, C=3 (and so on) samples. A maximum of 26 (Z=26) samples can be shown for each plotting position. The remaining samples are not plotted.



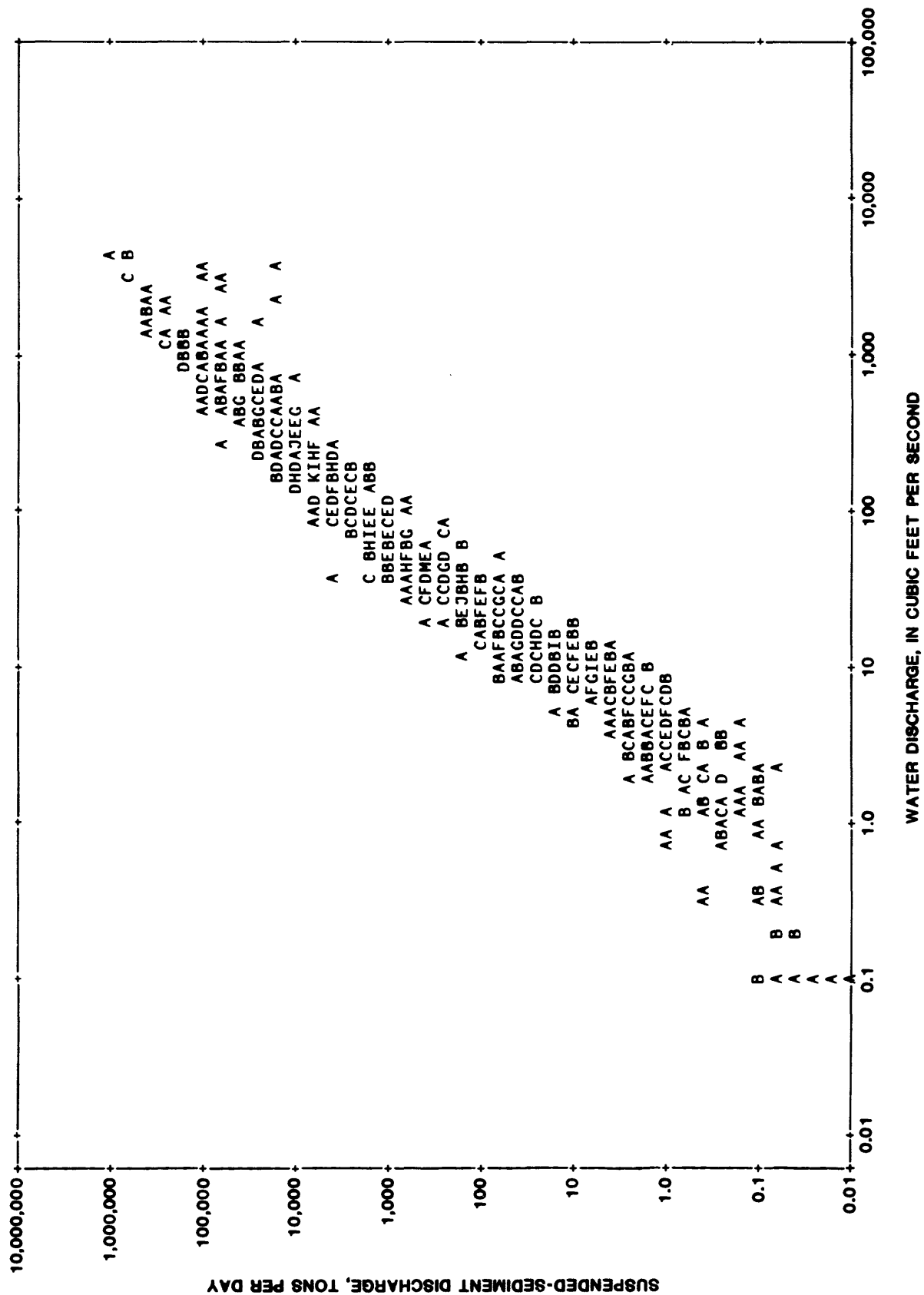


Figure 4.--Water discharge and suspended-sediment discharge 07327000 Sugar Creek near Gracemont, Oklahoma.

## EXPLANATION OF STATION DESCRIPTION

### Location

The location of each station may be described by one or more of the following: (1) downstream order (8-digit number); (2) latitude (lat) and longitude (long); (3) the township, range and section; (4) distance and direction from local geographic features, such as bridges, tributary streams and towns; and (5) river mile, the distance the station is upstream from the mouth of the stream.

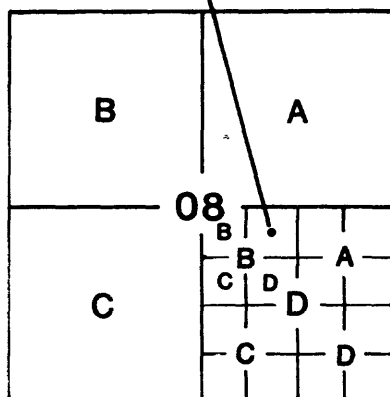
The downstream ordering system is used to identify hydrologic data collection sites in U.S. Geological Survey reports. Station numbers are unique numbers assigned in a downstream sequence so that as one progresses downstream the numbers become larger. All stations on a tributary entering upstream from 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 on first rank, second rank, and other ranks of tributaries.

The township, range, and section method of station location is a grid system related to one or more base meridians in each state.



The standard legal method of describing a location of data-collection sites by fractional section, section, township and range is replaced in this report by the method illustrated in the diagram below. By the legal method, the location of the site indicated by the dot would be described as NE 1/4 NW 1/4 SE 1/4 sec. 8, T.21 N., R.18 W. The method used in this report changes the order and indicates quarter subdivisions of the section by letters. By this method, the location of the site is given as 21N-18W-08 DBA.

**21N-18W-08 DBA**



### Drainage Area

Drainage area of a stream at a specific location is that area from which direct surface runoff normally drains by gravity to a specific point. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

### Period of Record

Period of record as given in this report is the period of sediment record expressed in water years. The water year is defined as the 12-month period ending September 30 and is designated by the calendar year in which it ends. The period of record for the data in this report includes all available data in the U.S. Geological Survey's WATSTORE system through the 1980 water year. An entire water year was included in the period of record when at least one sample was collected. The earliest data collection was begun in the 1930 water year; however very little sediment data were collected during the period 1932-1935. Where data are published in the 1980 water year it is assumed that sediment samples are currently being collected unless noted as discontinued.

## Remarks

The remarks section of the station description contains information about the physical location of the gaging station, such as: (1) station name changes; (2) station inundated or regulated by reservoirs; (3) station discontinued; and (4) availability of particle-size data. All references to floodwater-retarding structures refer to work planned and supervised by the U.S. Department of Agriculture, Agriculture Research Service. Regulation is not indicated where the area controlled by floodwater-retarding structures above the gaging station is less than 10 percent of the drainage area. For reservoirs on larger rivers construction activities and periods of regulation are noted.

Suspended-sediment and bed-material particle-size data availability is noted at stations for which the data are stored in the USGS WATSTORE system. Particle-size is the diameter in millimeters (mm), of sediment as determined by mechanical analysis. This may be done by sieve analysis or by a method which determines fall diameter of particles in water (pipet, bottom-withdrawal tube, or visual-accumulation tube). The fall diameters may be determined in distilled water or native water (river water at time and point of sampling).

Particle-size classification referred to in this report is as follows:

<u>Classification</u>	<u>Size (millimeters)</u>
Clay	0.00024-0.004
Silt	.004-.062
Sand	.062-2.0
Gravel	2.0-64.0

## ARKANSAS RIVER BASIN

07140000 ARKANSAS RIVER NEAR KINSLEY, KANS.

LOCATION.--Lat 37°55'33", long 99°22'31", in SW 1/4 SE 1/4 sec.26, T.24 S., R.19 W., Edwards County, Hydrologic Unit 11030004, on right bank at upstream side of bridge on U.S. Highway 50, 2.0 mi (3.2 km) east of Kinsley, and at mile 920.3 (1,480.8 km).

DRAINAGE AREA.--31,066 mi<sup>2</sup> (80,461 km<sup>2</sup>) of which 5,660 mi<sup>2</sup> (14,660 km<sup>2</sup>) is probably noncontributing.

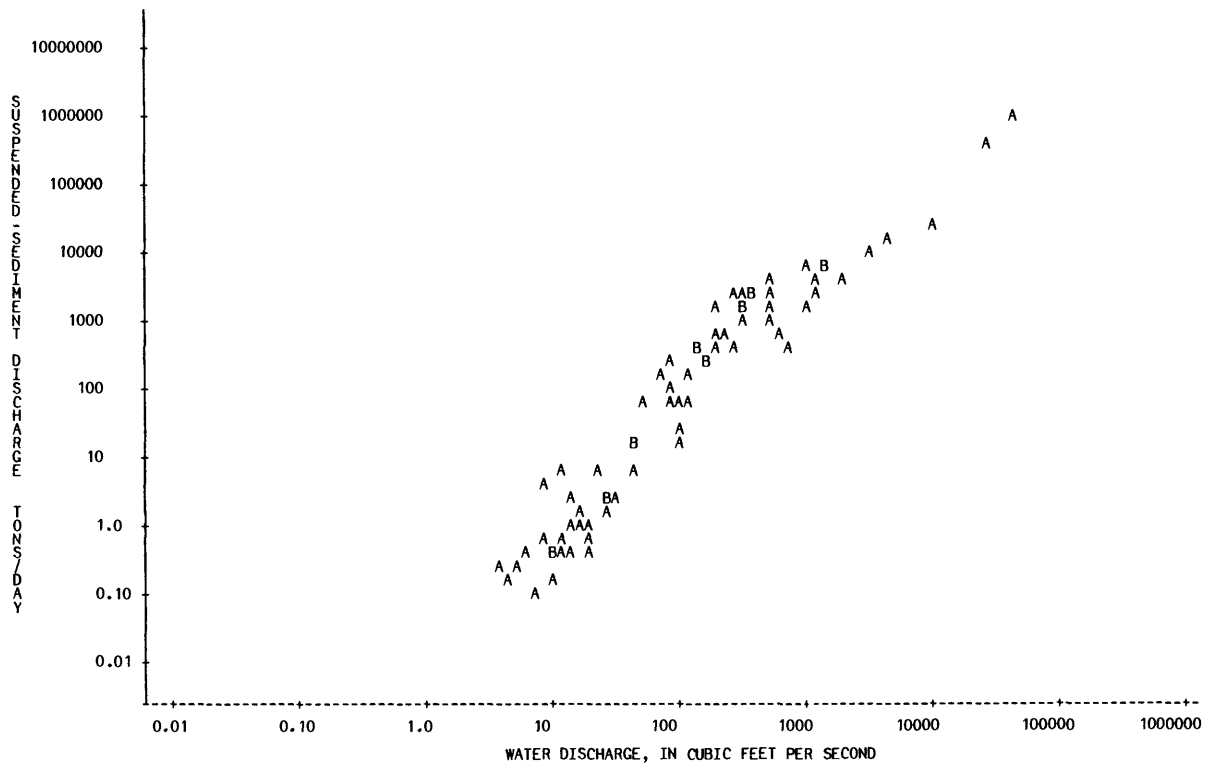
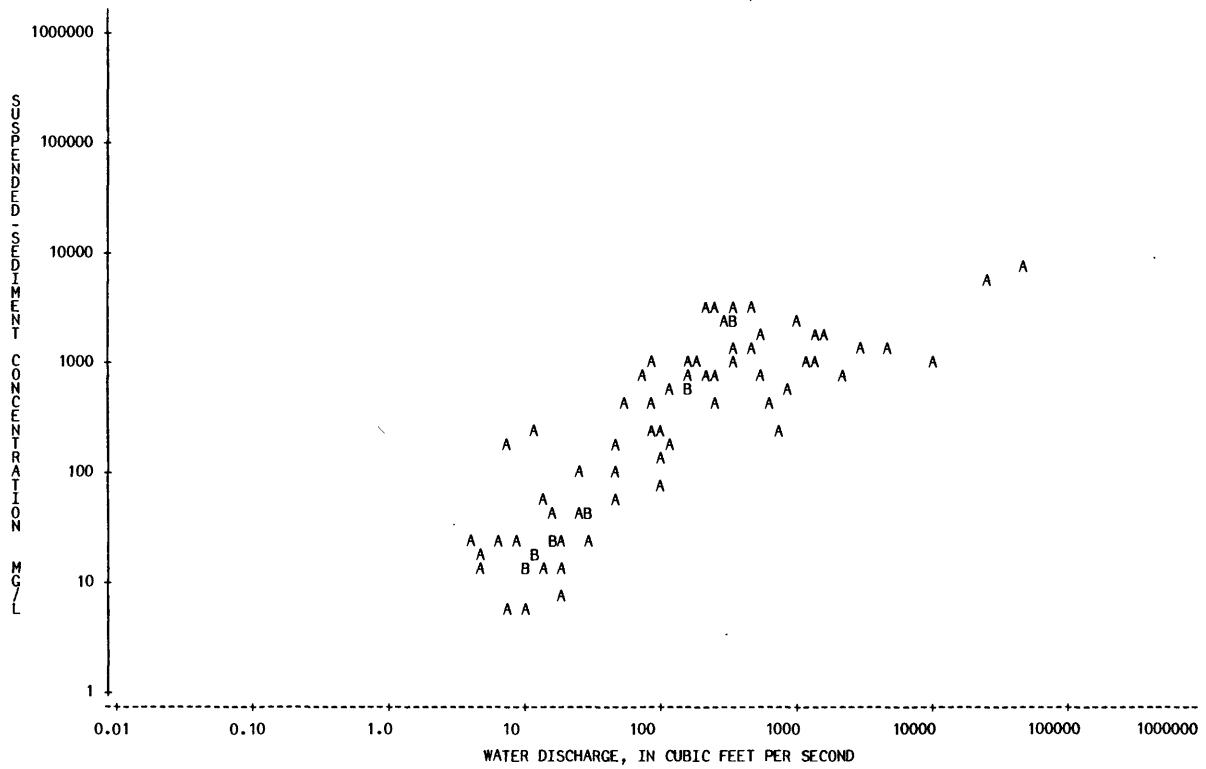
PERIOD OF RECORD.--Water years 1958, 1960-65, 1968, 1972, 1975-80.

REMARKS.--Flow moderately regulated by John Martin Reservoir. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-05-05	1900		269	462	336	76-10-04	1435		7.9	165	3.5
60-07-13	0910		126	164	56	76-11-01	1430		4.5	12	0.14
60-08-29	1600		30	37	3.0	76-12-08	1355		10	13	0.36
60-09-01	1430		27	40	2.9	77-01-05	1355		10.0	6	0.16
60-09-13	1515		19	12	0.62	77-02-01	1415		14	13	0.49
60-09-19	1800		18	21	1.0	77-03-04	0930		11	17	0.51
60-09-24	1735		28	27	2.0	77-05-24	1340		343	976	904
61-02-09	1445		102	271	75	78-05-02	1310		3080	1360	11300
61-05-26	1000		104	70	20	78-05-04	1000		725	244	478
61-06-07	0735		148	1060	424	78-06-26	1350		93	126	32
61-07-15	0735		201	3420	1860	79-05-22	1220		51	398	55
61-07-15	1305		270	3390	2470	79-07-24	1225		14	58	2.2
61-07-15	1900		295	2330	1860	79-07-25	1700		162	629	275
61-08-04	1715		75	778	158	79-08-20	1800		15	37	1.5
61-08-06	1810		85	1130	259	79-11-14	1250		4.9	16	0.21
61-08-14	1530		355	2890	2770	80-01-03	1310		7.1	6	0.12
61-08-14	1705		480	2780	3600	80-02-14	1400		10.0	15	0.40
61-08-14	2020		1000	2320	6260	80-03-21	1300		12	20	0.65
61-08-15	0710		1510	1700	6930	80-05-16	1445		44	57	6.8
61-08-15	1000		1440	1850	7190	80-07-03	1440		45	168	20
61-08-15	1715		1270	1110	3810						
61-08-16	1240		654	418	738						
62-06-10	1620		338	2290	2090						
62-06-11	0740		318	1540	1320						
62-06-17	1620		185	1100	549						
62-07-04	1510		118	596	190						
62-07-07	1310		539	706	1030						
63-02-06	1030		159	496	213						
63-06-18	0955		241	868	565						
63-09-11	1445		151	797	325						
64-06-05	1155		506	1940	2650						
64-06-05	2145		1140	1010	3110						
64-06-06	1230		926	518	1300						
65-06-21	0730		45200	7690	938000						
65-06-22	1610		25300	6280	429000						
65-06-24	1500		10000	1130	30500						
68-08-30	1330		487	1210	1590						
71-11-18	1105		4530	1290	15800						
71-11-19	1035		2080	727	4080						
72-05-17	1110		88	237	56						
72-09-12	1050		208	726	408						
75-06-24	1630		364	2380	2340						
75-10-06	1735		8.4	25	0.57						
75-11-10	1725		17	21	0.96						
75-12-03	1635		24	94	6.1						
76-01-06	1520		19	8	0.42						
76-02-10	1545		12	229	7.3						
76-03-23	1330		28	41	3.1						
76-05-04	1535		89	377	91						
76-06-14	1600		46	108	13						
76-07-19	1500		15	21	0.86						
76-08-12	1345		6.6	22	0.39						
76-09-14	1605		3.9	23	0.24						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07140000 ARKANSAS RIVER NEAR KINSLEY, KANS.



## ARKANSAS RIVER BASIN

07142300 RATTLESNAKE CREEK NEAR MACKSVILLE, KANS.

LOCATION.--Lat 37°52'20", long 98°52'30", in SW 1/4 SW 1/4 sec.16, T.25 S., R.14 W., Stafford County, Hydrologic Unit 11030009, at downstream side of highway bridge, 8 mi (13 km) southeast of Macksville, and at mile 87.5 140.8 km).

DRAINAGE AREA.--784 mi<sup>2</sup> (2,030 km<sup>2</sup>) of which about 428 mi<sup>2</sup> (1,110 km<sup>2</sup>) is probably noncontributing.

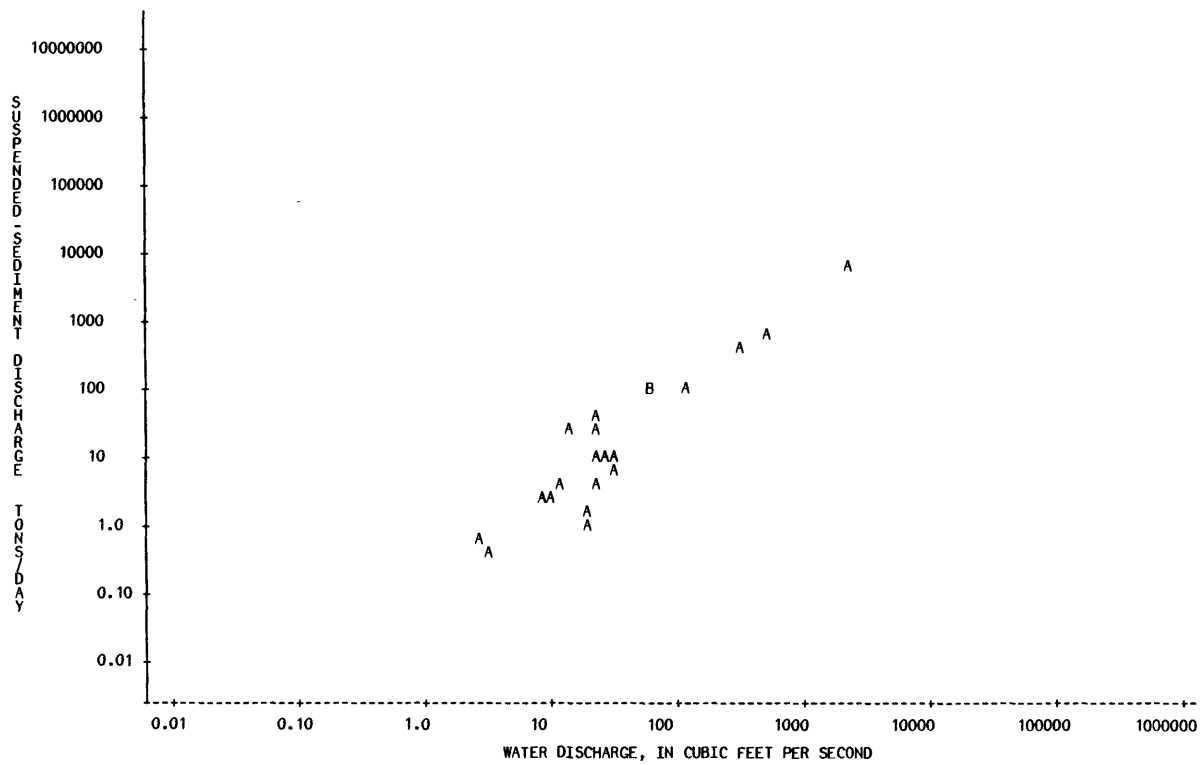
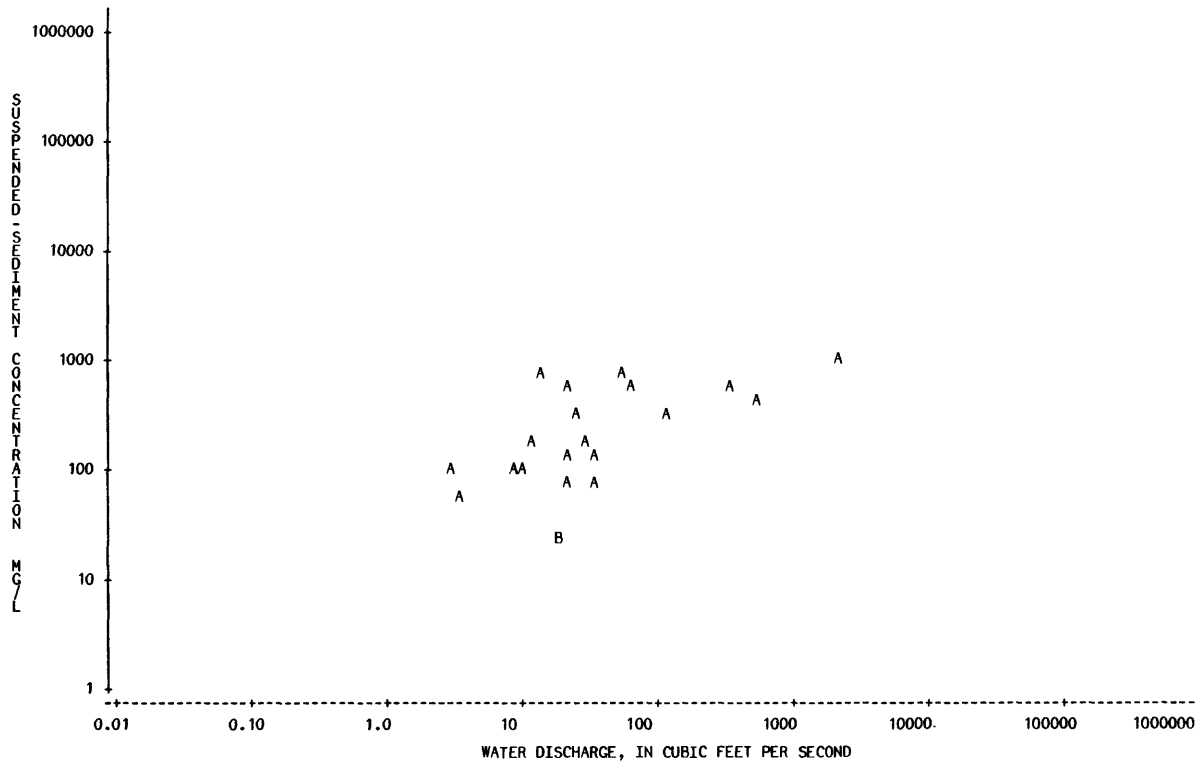
PERIOD OF RECORD.--Water years 1975-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-06-25	1345		2160	988	5760						
75-06-27	1330		337	530	482						
75-10-01	1500		34	123	11						
76-04-21	1115		113	277	85						
77-06-29	1230		57	766	118						
78-03-01	0945		63	591	100						
78-05-23	1255		24	317	21						
78-05-30	1200		555	434	650						
78-08-08	1345		22	606	36						
79-06-12	1320		23	149	9.3						
79-07-18	1530		2.9	96	0.75						
79-08-26	1340		14	664	26						
79-10-24	1320		9.0	94	2.3						
79-12-05	1140		18	25	1.2						
80-01-22	1440		20	24	1.3						
80-03-11	1120		23	77	4.8						
80-04-22	1010		32	66	5.7						
80-06-05	1035		28	158	12						
80-07-15	1010		10	89	2.4						
80-08-20	1005		11	162	4.8						
80-09-23	1010		3.4	54	0.50						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07142300 RATTLESNAKE CREEK NEAR MACKSVILLE, KANS.





## ARKANSAS RIVER BASIN

07143300 COW CREEK NEAR LYONS, KANS.

LOCATION.--Lat 38°18'30", long 98°11'30", in SW 1/4 SE 1/4 sec.15, T.20 S., R.8 W., Rice County, Hydrologic Unit 11030011, at downstream side of Missouri Pacific Railroad bridge, 500 ft (150 m) downstream from Little Cow Creek, 3.0 mi (4.8 km) south of Lyons, and at mile 33 (53 km).

DRAINAGE AREA.--728 mi<sup>2</sup> (1,890 km<sup>2</sup>), includes 229 mi<sup>2</sup> (593 km<sup>2</sup>) in Cheyenne Bottoms, closed basin.

PERIOD OF RECORD.--Water years 1939-52, 1958, 1960-66, 1968, 1971-80.

REMARKS.--Natural flow affected by releases from Cheyenne Bottoms, which in turn is affected by diversions from Arkansas River and Walnut Creek. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-09-20			2.0	500	A 2.7	45-03-13			22	100	A 5.9
40-04-28			192	2500	A 1300	45-04-26			730	700	A 1380
40-05-22			22	700	A 42	45-05-24			265	800	A 572
40-07-03			1710	1000	A 4620	45-06-26			599	1000	A 1620
40-07-04			2650	700	A 5010	45-08-06			14	300	A 11
40-07-05			1640	400	A 1770	45-09-03			8.0	100	A 2.2
40-07-08			53	300	A 43	45-10-09			14	200	A 7.6
40-08-14			6.0	300	A 4.9	45-11-06			11	100	A 3.0
40-09-12			17	400	A 18	45-12-11			10.0	200	A 5.4
40-10-15			5.0	300	A 4.1	46-01-15			10.0	100	A 2.7
40-11-20			6.0	300	A 4.9	46-02-19			11	100	A 3.0
40-12-18			5.0	200	A 2.7	46-10-18			615	2800	A 4650
41-01-21			7.0	400	A 7.6	47-01-15			21	200	A 11
41-02-26			8.0	200	A 4.3	47-03-21			25	500	A 34
41-04-01			6.0	200	A 3.2	47-04-16			44	500	A 59
41-05-01			6.0	100	A 1.6	47-05-19			180	600	A 292
41-05-26			47	800	A 102	47-05-28			1190	700	A 2250
41-06-14			50	700	A 94	48-07-15			3950	400	A 4270
41-07-17			5.0	200	A 2.7	48-07-16			5700	500	A 7700
41-08-27			42	1600	A 181	48-10-04			13	100	A 3.5
41-09-04			2640	900	A 6420	49-04-05			24	100	A 6.5
41-09-23			19	300	A 15	49-04-18			17	100	A 4.6
41-11-06			104	400	A 112	49-05-10			41	300	A 33
41-12-11			19	200	A 10	49-05-26			44	500	A 59
42-01-27			19	100	A 5.1	49-06-23			42	400	A 45
42-03-03			15	200	A 8.1	49-07-07			14	200	A 7.6
42-04-08			19	100	A 5.1	50-06-13			15	300	A 12
42-04-27			747	1000	A 2020	50-06-28			16	200	A 8.6
42-05-20			22	300	A 18	50-08-23			71	300	A 58
42-06-24			560	1000	A 1510	50-10-04			472	2500	A 3190
42-09-02			9.0	200	A 4.9	50-11-29			21	100	A 5.7
42-10-14			20	200	A 11	51-01-04			22	100	A 5.9
42-11-11			15	300	A 12	51-01-18			21	100	A 5.7
43-01-27			23	400	A 25	51-03-15			21	100	A 5.7
43-05-05			9.0	300	A 7.3	51-04-18			17	100	A 4.6
43-06-09			48	1100	A 143	51-05-31			59	100	A 16
43-07-06			8.0	200	A 4.3	51-08-16			90	600	A 146
43-08-12			6.0	700	A 11	51-09-19			144	600	A 233
43-09-08			6.0	100	A 1.6	51-11-15			248	700	A 469
43-10-05			6.0	100	A 1.6	58-03-29	1745	2000	1200		6480
43-11-04			6.0	100	A 1.6	60-03-18	1015	400	190		205
43-12-07			8.0	100	A 2.2	60-03-22	1640	100	2750		743
44-01-12			6.0	100	A 1.6	60-04-26	1430	230	1420		882
44-02-22			9.0	100	A 2.4	60-06-02	1615	86	526		122
44-04-05			8.0	100	A 2.2	60-07-13	1555	120	585		190
44-05-12			36	400	A 39	60-08-29	1205	65	278		49
44-06-21			11	100	A 3.0	60-08-31	1400	1500	2160		8750
44-07-19			511	1700	A 2350	60-09-13	1905	25	113		7.6
44-09-20			11	200	A 5.9	60-10-13	0925	9.0	165		4.0
44-10-17			14	100	A 3.8	60-12-05	1015	11	78		2.3
44-11-21			14	100	A 3.8	61-04-17	0835	8.0	62		1.3
45-01-04			12	300	A 9.7	61-07-10	0840	7.5	380		7.7
45-02-06			15	200	A 8.1	61-09-05	0840	8.0	388		8.4

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07143300 COW CREEK NEAR LYONS, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-09-26			17	200	A	65-08-15	1045	125	*	394	133
61-10-02	0815		11	45		65-08-22	1045	28	*	175	13
61-10-13		9.0		70	A	65-08-30	0700	29	*	181	14
61-11-06			18	30	A	65-09-05	1630	12	*	190	6.2
62-01-09			14	30	A	65-09-12	1430	58	*	781	122
62-03-02			13	220	A	65-09-20	1600	174	*	1810	850
62-04-06			15	180	A	65-09-21	0700	971	*	3570	9360
62-05-16			37	720	A	65-09-21	1030	1100	*	2820	8380
62-06-11			120	1510	A	65-09-21	1505	1190	*	2640	8480
62-07-15	1650	1300		1950		65-09-22	0715	1650	*	2030	9040
62-07-16			571	2110	A	65-09-22	1200	1640	*	1700	7530
62-08-09			42	400	A	65-09-26	0630	156	*	367	155
62-09-26			147	620	A	66-02-11		815		1910	A 4200
62-10-11			74	370	A	66-02-15		39		370	A 39
62-11-09			14	140	A	67-10-10	1800	168	*	134	61
62-12-07			16	50	A	67-10-12	1015	107	*	398	115
63-01-14			12	40	A	67-10-17	0900	29	*	99	7.8
63-02-01			12	240	A	67-10-27	1800	10	*	91	2.5
63-03-13			30	130	A	67-10-30	1000	6.6	*	43	0.77
63-04-26			19	800	A	67-11-05	1000	12	*	43	1.4
63-05-09			10.0	410	A	67-11-12	1130	13	*	38	1.3
63-06-18			11	100	A	67-11-13	1640	12	*	36	1.2
63-07-02		6.0		230	A	67-11-19	1100	14	*	10	0.38
63-07-14		653		1710	A	67-11-26	1530	14	*	9	0.34
63-08-13		6.0		100	A	67-11-28	1315	13	*	25	0.88
63-09-18		15		260	A	67-12-03	1500	16	*	42	1.8
63-11-02	1650	7.0	*	35		67-12-11	1240	19	*	14	0.72
63-12-14	1745	6.2	*	88		67-12-19	1730	21	*	36	2.0
64-01-09	0810	6.2	*	46		67-12-26	1800	14	*	15	0.57
64-02-17	0920	8.8	*	194		67-12-31	1100	10	*	54	1.5
64-03-09	0825	8.8	*	59		68-01-07	1630	7.0	*	5	0.09
64-04-13	0820	8.3	*	141		68-01-14	1800	10	*	15	0.41
64-05-07	0925	5.3	*	152		68-01-21	1330	17	*	5	0.23
64-06-04	1305	4.1	*	117		68-01-27	1330	17	*	32	1.5
64-06-12	1630	160	*	1580		68-02-04	1730	10	*	59	1.6
64-06-13	1630	307	*	1240		68-02-05	1200	10	*	8	0.22
64-06-14	0930	140	*	2070		68-02-11	1900	12	*	71	2.3
64-06-15	1700	672	*	3980		68-03-03	1315	10	*	8	0.22
64-06-16	1730	1220	*	1150		68-03-12	1700	10	*	102	2.8
64-07-14	0930	76	*	614		68-03-17	1600	130	*	99	35
64-08-11	1000	1.9	*	232		68-03-24	1440	72	*	72	14
64-09-03	1300	2.0	*	96		68-04-01	1455	13	*	124	4.4
64-09-29	1335	0.40	*	186		68-04-07	1500	14	*	122	4.6
64-10-05	0925	0.30	*	56		68-04-14	1305	8.1	*	56	1.2
64-11-16	1045	89	*	320		68-04-21	1400	18	*	36	1.7
64-11-20	1635	18	*	260		68-04-28	1145	8.1	*	34	0.74
64-12-07	0955	3.7	*	22		68-05-05	1800	7.4	*	75	1.5
65-01-21	0900	5.2	*	15		68-05-12	1710	9.0	*	54	1.3
65-02-09	0905	11	*	30		68-05-13	1210	9.5	*	80	2.1
65-02-20	1200	339	*	2260		68-05-19	1400	6.0	*	60	0.97
65-02-20	1430	385	*	2260		68-05-26	1300	7.9	*	41	0.87
65-02-21	0730	741	*	2190		68-06-02	1930	6.1	*	42	0.69
65-03-15	0840	8.2	*	48		68-06-03	1200	5.8	*	81	1.3
65-03-21	1115	6.6	*	69		68-06-11	0930	9.8	*	120	3.2
65-03-28	0700	8.7	*	73		68-06-17	2030	66	*	203	36
65-04-03	1700	26	*	130		68-06-25	1330	11	*	133	4.0
65-04-13	0915	6.2	*	49		68-07-02	1830	6.0	*	128	2.1
65-04-13	1630	6.4	*	110		68-07-03	1230	5.8	*	186	2.9
65-04-19	0630	7.1	*	98		68-07-09	1300	4.4	*	169	2.0
65-04-25	0730	7.8	*	66		68-07-16	1430	3.2	*	93	0.80
65-05-01	1100	8.4	*	120		68-07-26	0800	960	*	2400	6220
65-05-16	0500	12	*	290		68-07-26	1345	1100	*	1410	4190
65-05-23	0630	4.4	*	260		68-08-01	1200	52	*	413	58
65-05-24	0900	3.5	*	190		68-08-06	1900	24	*	79	5.1
65-05-30	0630	16	*	210		68-08-13	1400	17	*	82	3.8
65-06-01	0830	5260	*	2010		68-08-27	1800	2.6	*	71	0.50
65-06-02		7150		1830	A	68-09-03	1800	2.8	*	66	0.50
65-06-02	0630	3040	*	1370		68-09-10	1800	2.6	*	53	0.37
65-06-02	1730	8540	*	2110		68-09-12	1145	2.1	*	23	0.13
65-06-03		4570		1120	A	68-09-17	1800	2.7	*	52	0.38
65-06-03	0730	5920	*	980		70-10-05	1130	4.2		99	A 1.1
65-06-03	1030	5320	*	910		70-11-06	1200	6.5		18	A 0.32
65-06-03	1500	4500	*	815		70-12-03	1210	6.6		16	A 0.29
65-06-05	1845	992	*	1230		71-01-14	1205	6.0		7	A 0.11
65-06-06	1200	1260	*	1360		71-02-12	1200	7.9		6	A 0.13
65-06-06	1730	1340	*	1370		71-03-05	1200	34		134	A 12
65-06-08	1600	1480	*	1050		71-04-07	1520	8.7		445	A 10
65-06-26	1300	380	*	3530		71-05-12	1155	56		445	A 67
65-06-26	1720	899	*	2470		71-06-09	1530	95		142	A 36
65-06-27	0815	1610	*	1120		71-06-14	1200	1280		1490	A 5150
65-07-06	0730	845	*	2680		71-06-15	1245	552		1340	A 2000
65-07-06	1100	1140	*	2530		71-06-16	1230	224		746	A 451
65-07-06	1730	1680	*	2500		71-06-17	1200	155		576	A 241
65-07-12	0920	100	*	340		71-07-14	1245	12		135	A 4.4
65-07-18	0800	110	*	365		71-08-18	1145	5.2		80	A 1.1
65-07-25	0900	152	*	362		71-09-09	1130	3.7		95	A 0.95
65-08-04	0730	148	*	431		71-10-06	1430	4.3	*	9	0.10
65-08-08	1200	27	*	162		71-11-11	1300	13	*	114	4.0
65-08-09	1310	25	*	143		71-12-17	1130	92	*	99	25

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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ARKANSAS RIVER BASIN

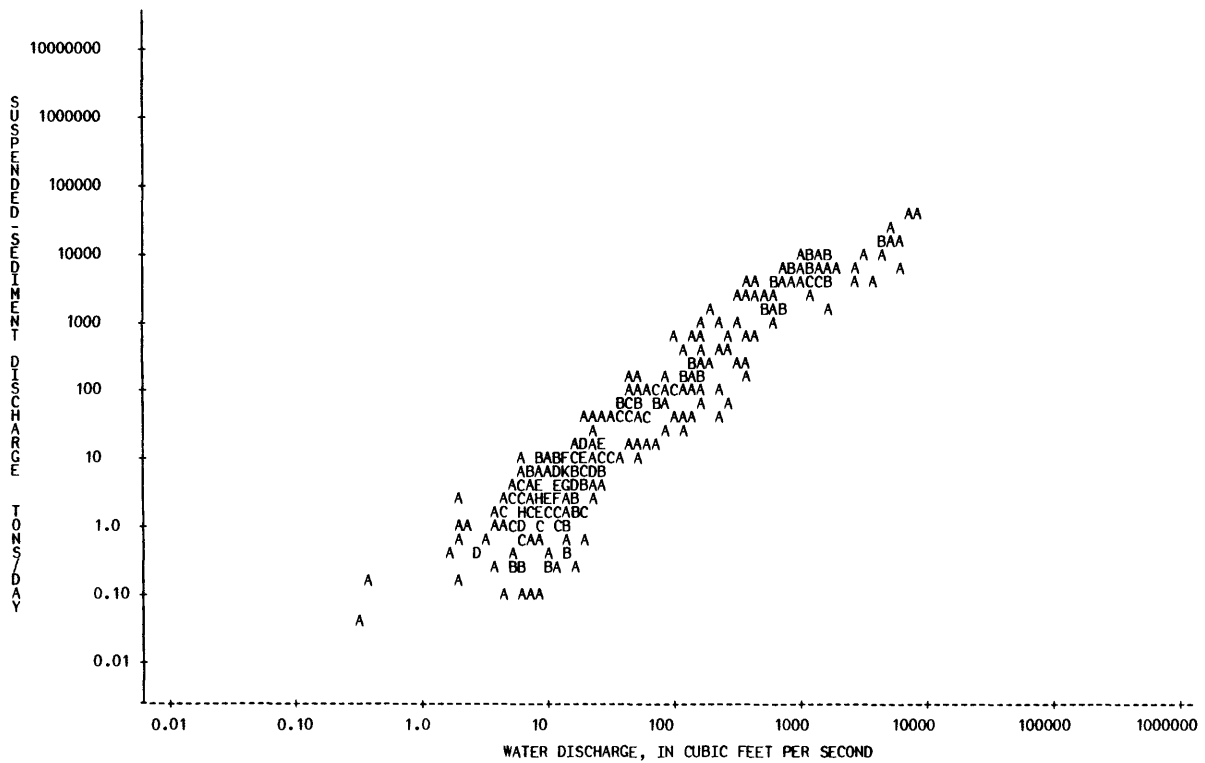
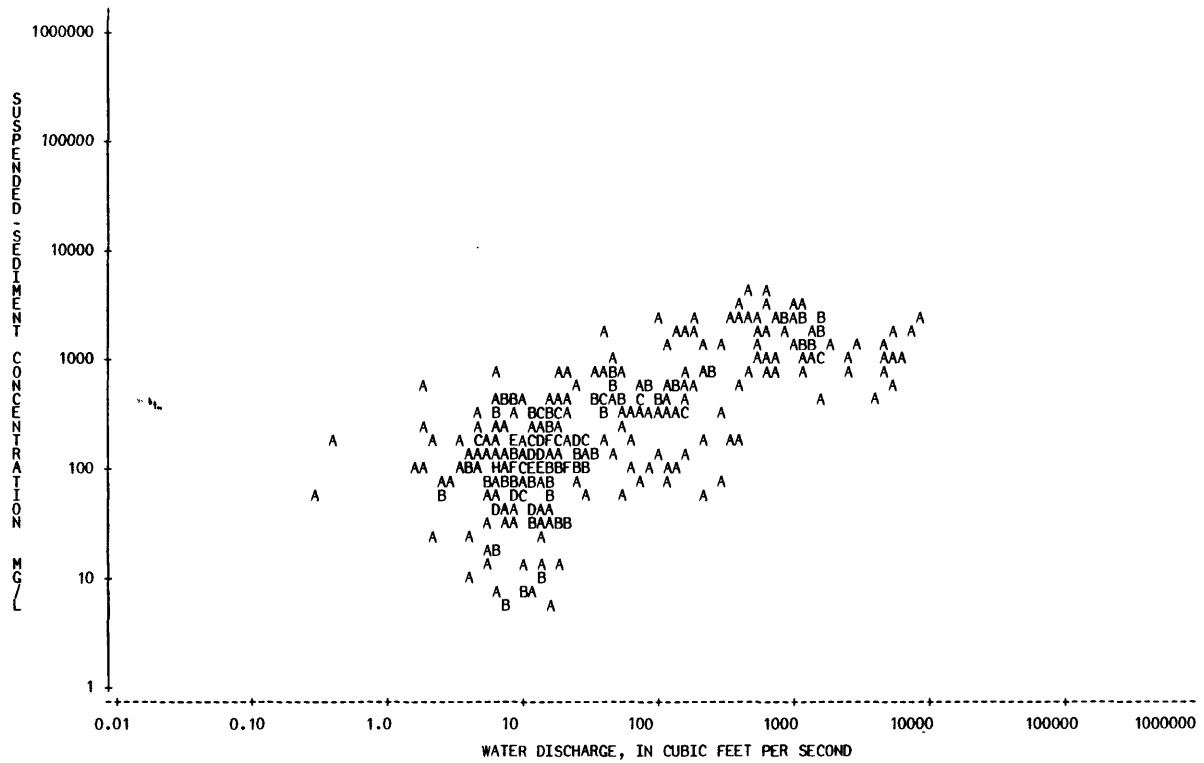
07143300 COW CREEK NEAR LYONS, KANS.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
72-01-12	1250	113	*	116	35
72-02-09	1150	12	*	39	1.3
72-03-13	1415	31	*	114	9.5
72-04-13	1040	8.3	*	102	2.3
72-05-10	1525	14	*	150	5.7
72-06-22	1330	11	*	120	3.6
72-07-21	1310	7.5	*	121	2.5
72-08-10	1210	5.0	*	91	1.2
72-09-14	1225	14	*	75	2.8
72-10-05	1230	5.3		64	0.92
72-11-16	1100	28		62	4.7
72-12-13	1200	12		7	0.23
73-01-23	1215	27		189	14
73-02-08	1115	32		392	34
73-03-21	1015	140		281	106
73-04-16	1030	391		497	525
73-05-14	1300	312		283	238
73-06-19	1200	160		775	335
73-07-10	1345	16		149	6.4
73-08-10	1500	35		121	11
73-09-10	1430	24		163	11
73-10-10	1600	453		4200	5140
73-10-13	1300	4690		1420	18000
73-11-12	1325	215		177	103
73-12-10	1320	364		186	183
74-01-08	1505	233		56	35
74-02-04	1210	275		80	59
74-03-04	1100	165		290	129
74-04-01	1230	50		146	20
74-05-06	1215	43		160	19
74-06-03	1220	76		450	92
74-07-08	0820	19		180	9.2
74-08-05	0840	11		176	5.2
74-09-16	0845	12		126	4.1
74-10-23	1335	16		53	2.3
74-11-19	1110	22		91	5.4
75-01-08	1030	23		34	2.1
75-02-27	1330	119		75	24
75-03-27	1250	54		62	9.0
75-04-24	1155	40		348	38
75-05-27	1010	15		166	6.7
75-06-30	1230	1460		882	3480
75-07-28	1030	18		344	17
75-08-28	0940	13		194	6.8
75-09-24	1055	25		203	14
75-11-18	1040	16		79	3.5
76-03-16	1330	17		125	5.8
76-05-25	1100	71		450	86
76-06-18	1020	13		199	7.3
76-07-26	0840	6.1		379	6.3
77-02-15	1330	9.9		62	1.7
77-06-20	1230	14		283	11
77-06-23	1325	605		760	1240
77-06-28	1230	432		682	795
77-10-03	1210	20		324	17
78-05-19	1210	46		430	53
79-05-22	1155	57		220	34
79-06-21	1050	8.4		95	2.2
79-07-23	1140	14		279	11
79-09-06	1045	2.3		186	1.2
79-11-06	1115	20		378	20
79-12-05	1100	5.2		28	0.39
80-01-11	1135	5.1		18	0.25
80-03-23	1145	12		104	3.4
80-05-05	1140	29		206	16
80-05-27	1120	35		788	74
80-07-09	1145	4.4		125	1.5
80-08-11	1140	7.7		246	5.1
80-09-09	1215	1.7		107	0.49

\*\*\*\*\*  
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07143300 COW CREEK NEAR LYONS, KANS.



## ARKANSAS RIVER BASIN

07143330 ARKANSAS RIVER NEAR HUTCHINSON, KANS.

LOCATION.--Lat 37°56'47", long 97°46'29", in SW 1/4 NW 1/4 SW 1/4 sec.21, T.24 S., R.4 W., Reno County, Hydrologic Unit 11030010, at downstream side of highway bridge, 3.0 mi (4.8 km) north of Haven, 4.5 mi (7.2 km) downstream from Cow Creek, 11 mi (17.7 km) southeast of Hutchinson, and at mile 800.3 (1,287.7 km).

DRAINAGE AREA.--38,910 mi<sup>2</sup> (100,780 km<sup>2</sup>), of which 7,186 mi<sup>2</sup> (18,612 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1959-65, 1968, 1971-80.

REMARKS.--Flow slightly regulated by John Martin Reservoir. Extensive diversions for irrigation. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-09-26	1230		6500	4080	71600	65-06-25	1415		7920	3340	71400
59-09-26	1500		6250	4160	70200	65-06-26	1645		12700	1880	64500
59-09-28	1610		4600	2760	34300	65-06-27	0920		15300	1440	59500
60-03-21	1345		2980	1750	14100	65-07-15	1445		1640	467	2070
60-04-28	1530		960	332	861	65-09-27	1300		1900	1310	6720
60-06-02	1315		800	464	1000	68-07-29	1945		586	737	1170
60-07-04	1400		780	68	143	70-10-02	1020		134	109	39
60-07-12	1000		596	290	467	70-11-05	1215		124	52	17
60-08-12	1120		209	124	70	70-12-03	1115		129	58	20
60-09-12	1545		179	574	277	70-12-15	1400		147	39	15
60-09-19	1600		159	20	8.6	71-01-21	1100		132	63	22
60-09-23	1330		208	429	241	71-01-29	1030		186	58	29
60-09-25	1430		520	994	1400	71-02-08	1145		60	78	13
60-10-18	1125		190	76	39	71-02-16	1120		318	170	146
60-11-15	0855		255	19	13	71-02-25	1200		160	63	27
60-12-05	1725		264	59	42	71-03-04	1155		370	145	145
61-03-16	1100		722	1630	3180	71-03-29	1345		380	82	84
61-03-21	1600		386	159	166	71-04-12	1130		285	121	93
61-04-11	0845		473	288	368	71-04-28	1150		677	76	139
61-04-19	1300		392	218	231	71-05-04	1100		364	246	242
61-05-05	0900		1910	1240	6390	71-06-15	1100		1340	990	3580
61-05-05	1020		1850	917	4580	71-06-23	1100		495	361	482
61-05-06	0915		1740	1020	4790	71-07-02	1100		300	54	44
61-05-06	1105		1710	1000	4620	71-08-03	1330		2340	2740	17300
61-05-08	0900		2810	2250	17100	71-08-23	1050		180	153	74
61-05-09	1645		2280	1600	9850	71-09-13	1120		112	20	6.0
61-06-07	1215		694	1200	2250	71-10-08	1045		87	29	6.8
61-06-10	1000		774	1310	2740	71-11-04	1500		969	806	2110
61-06-14	1010		933	1220	3070	71-11-22	1125		6640	1330	23800
61-06-19	1015		1890	1580	8060	71-12-01	1515		887	181	433
61-07-18	1900		694	4140	7760	72-01-19	1010		436	47	55
61-07-21	1300		1400	1490	5630	72-02-03	1115		164	17	7.5
61-08-06	0820		1560	2680	11300	72-03-02	1040		290	92	72
61-08-16	1830		1260	3390	11500	72-04-05	1030		216	53	31
61-08-17	1215		3430	4320	40000	72-05-04	1045		435	1130	1330
61-08-17	1830		3120	4140	34900	72-06-01	1130		1340	4700	17000
61-08-25	1215		2100	1920	10900	72-07-05	1100		431	1310	1520
61-09-11	0950		469	202	256	72-08-02	1000		217	78	46
61-09-16	1800		2330	2510	15800	72-09-05	1215		1560	1280	5390
62-07-05	1100		2870	3400	26300	72-10-02	1010		261	190	134
62-07-16	1055		3120	1140	9600	72-11-06	1115		192	59	31
62-09-21	1041		3440	6120	56800	72-12-06	1130		161	10	4.3
62-10-03	1530		916	976	2410	73-01-09	1125		192	8	4.1
63-02-07	0920		592	487	778	73-02-09	1225		663	185	331
63-09-11	0925		780	1120	2360	73-03-07	1140		1340	1680	6080
64-04-24	1030		494	1400	1870	73-04-04	1250		16200	1150	50300
64-06-09	1300		386	2510	2620	73-04-18	1120		2330	245	1540
64-06-19	1200		764	884	1820	73-05-11	1110		2540	380	2610
64-07-15	1515		255	806	555	73-06-18	1015		679	211	387
64-08-28	1325		210	588	333	73-07-06	1235		398	97	104
65-06-04	1300		2290	1220	7540	73-08-17	1335		537	246	357
65-06-05	1320		5960	1230	19800	73-10-15	1245		14200	1370	52500
65-06-24	1150		6600	6110	109000	73-11-13	1350		1230	150	498

\*\*\*\*\*  
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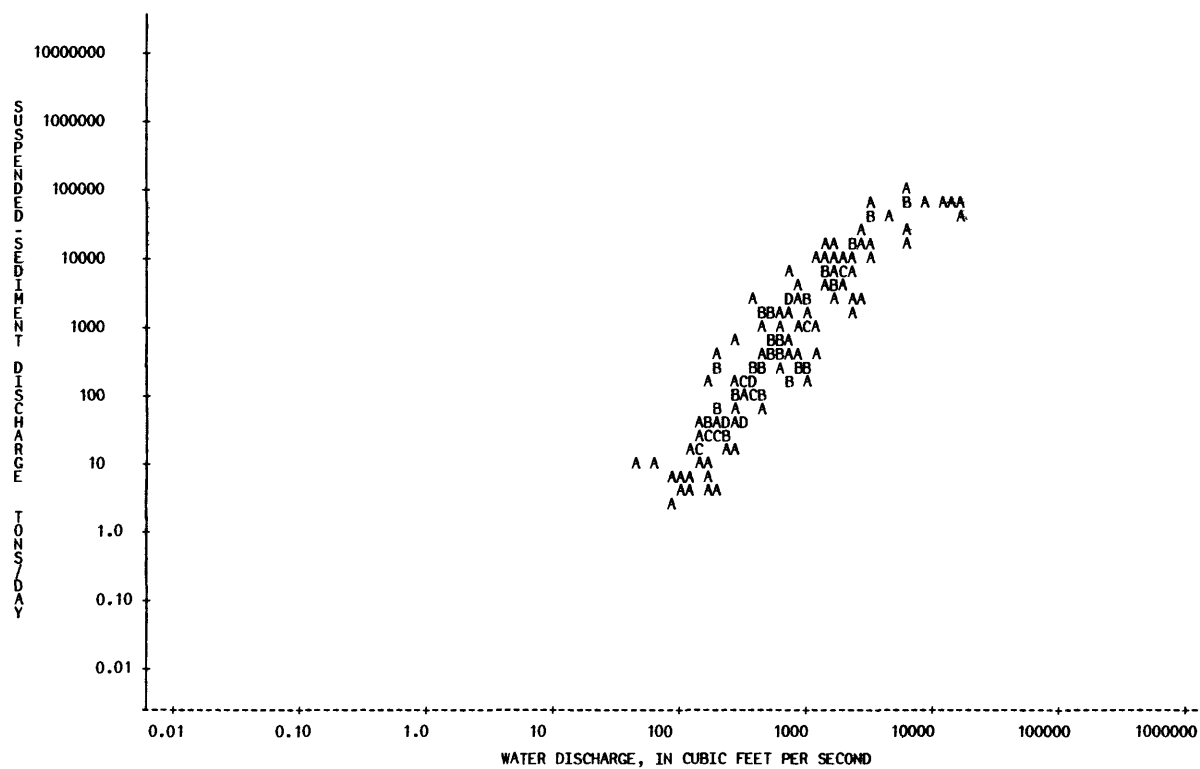
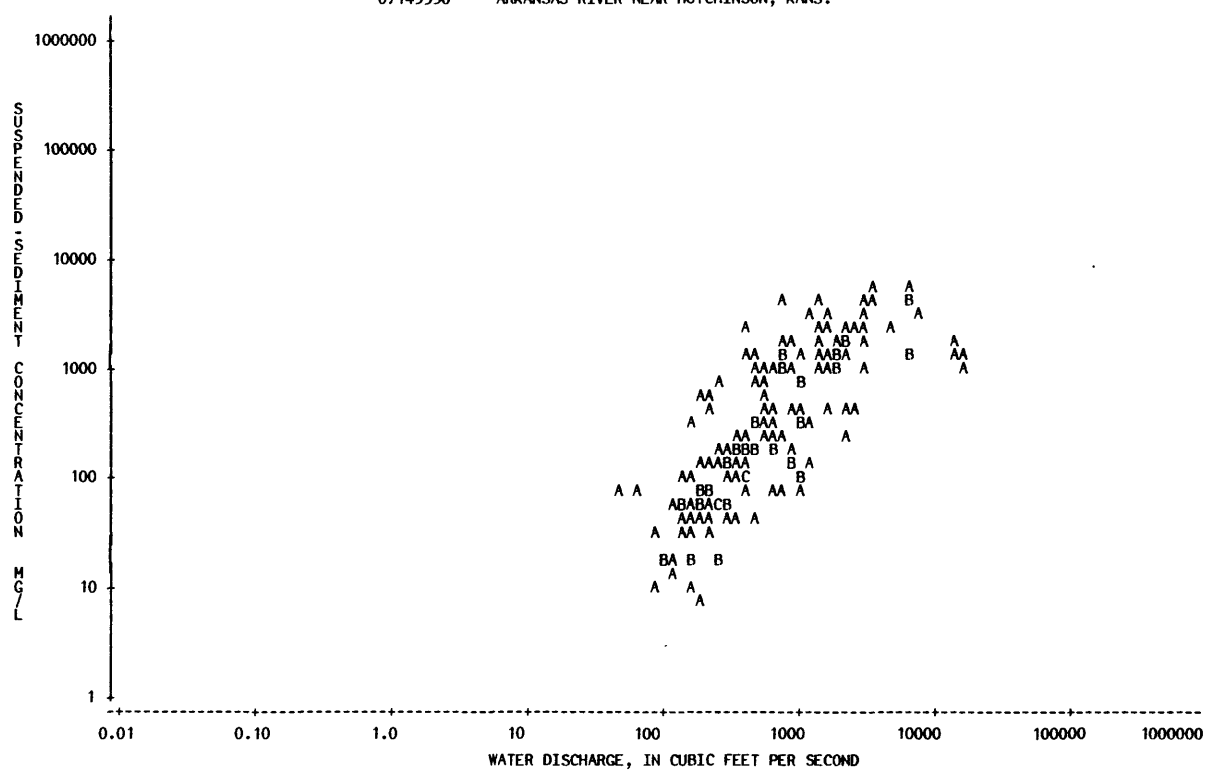
## ARKANSAS RIVER BASIN

07143330 ARKANSAS RIVER NEAR HUTCHINSON, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-12-13	1255		2150	390	2260						
74-01-14	1230		1050	72	204						
74-02-06	1145		1230	281	933						
74-03-06	1440		949	112	287						
74-04-03	1040		872	130	306						
74-05-06	1645		816	135	297						
74-06-06	1325		967	471	1230						
74-07-10	1640		296	117	94						
74-08-08	1415		223	68	41						
74-09-19	1020		241	51	33						
74-10-10	1345		1460	2390	9420						
74-11-08	1340		401	165	179						
74-12-13	1145		311	200	168						
75-01-09	1250		314	43	36						
75-02-26	1300		44	82	9.8						
75-03-20	1250		407	94	103						
75-03-20	1315		407	94	103						
75-04-09	1310		347	107	100						
75-05-14	1014		331	178	159						
75-06-16	1140		584	342	539						
75-07-29	1010		245	59	39						
75-08-29	1410		455	804	988						
75-09-11	1355		270	154	112						
75-10-21	1020		135	32	12						
75-11-13	1140		178	69	33						
75-12-04	0925		205	49	27						
76-02-02	1305		169	48	22						
76-04-15	0945		171	300	139						
76-05-21	0940		598	185	299						
76-09-27	1315		878	2020	4790						
76-10-27	1125		168	94	43						
77-03-25	0940		122	15	4.9						
77-08-24	1200		505	564	769						
77-10-07	1315		1020	667	1840						
77-11-16	1400		320	43	37						
78-03-06	1000		350	138	130						
78-06-06	1030		1000	325	877						
79-02-23	1200		557	474	713						
79-03-29	1300		1700	2860	13100						
79-05-10	1100		723	274	535						
79-06-14	1050		222	36	22						
79-07-17	1215		635	894	1530						
79-08-29	0820		176	46	22						
79-10-15	1335		92	11	2.7						
79-11-15	1120		304	62	51						
79-12-13	1140		240	20	13						
80-04-16	1150		1040	104	292						
80-05-27	1210		446	188	226						
80-07-10	1140		151	36	15						
80-08-01	1120		95	20	5.1						
80-09-04	1125		103	19	5.3						

\*\*\*\*\*  
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07143330 ARKANSAS RIVER NEAR HUTCHINSON, KANS.



## ARKANSAS RIVER BASIN

07143665 LITTLE ARKANSAS RIVER AT ALTA MILLS, KANS.

LOCATION.--Lat 38°06'44", long 97°35'30", in SW 1/4 NW 1/4 NW 1/4 sec.30, T.22 S., R.2 W., Harvey County, Hydrologic Unit 11030012, at downstream side of county highway bridge, 0.4 mi (0.6 km) south of Alta Mills, 0.8 (1.3 km) downstream from Sand Creek, and at mile 50.1 (80.6 km).

DRAINAGE AREA.--736 mi<sup>2</sup> (1,910 km<sup>2</sup>), of which 55 mi<sup>2</sup> (140 km<sup>2</sup>) is noncontributing.

PERIOD OF RECORD.--Water years 1960, 1976-80.

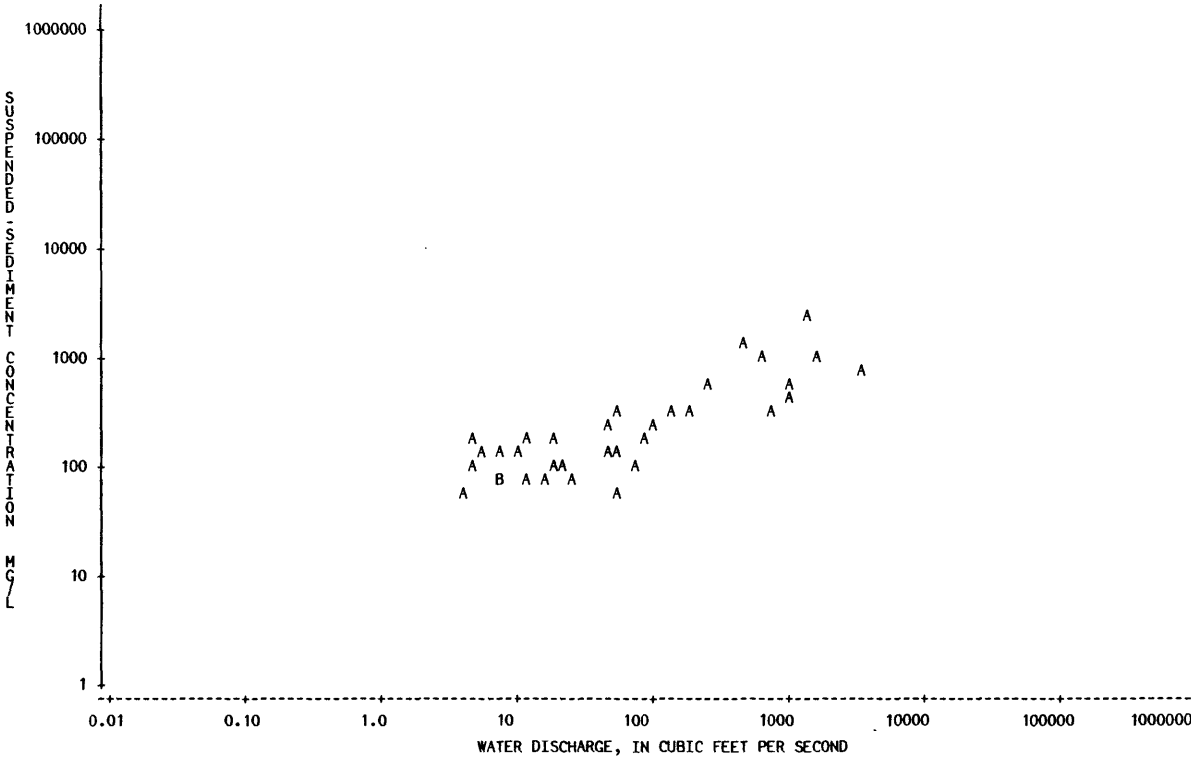
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-12-16		122D	12	76	2.5
60-05-02		1730	56	319	48
60-08-04		1505	16	81	3.5
75-10-08		1320	7.8	68	1.4
76-03-18		1330	18	111	5.4
76-04-15		1150	19	174	8.9
76-05-21		1140	45	136	17
76-07-30		1055	9.4	127	3.2
76-09-20		1020	5.3	125	1.8
77-03-25		1225	7.8	142	3.0
77-05-23		1650	940	622	1580
77-06-30		1100	777	289	606
77-08-15		1355	48	224	29
77-08-24		1530	632	1060	1810
77-09-02		1600	3600	821	7980
77-10-07		1100	89	200	48
77-11-17		1145	56	62	9.3
78-03-24		1530	1330	2130	7650
78-04-07		1215	174	302	142
78-06-30		1100	441	1530	1820
79-02-23		1445	934	432	1090
79-03-30		1130	138	286	107
79-05-10		1335	96	209	54
79-06-14		0900	23	89	5.5
79-08-27		1140	7.8	73	1.5
79-10-15		1600	4.3	65	0.75
79-11-26		1130	266	627	450
80-03-17		1050	72	92	18
80-04-28		1050	57	154	24
80-06-10		1050	25	86	5.8
80-07-17		1115	4.5	198	2.4
80-08-06		1600	1650	1010	4500
80-08-29		1045	12	159	5.2
80-09-25		1115	4.4	103	1.2

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07143665 LITTLE ARKANSAS RIVER AT ALTA MILLS, KANS.



## ARKANSAS RIVER BASIN

## 07144200 LITTLE ARKANSAS RIVER AT VALLEY CENTER, KANS.

LOCATION.--Lat 37°49'56", long 97°23'16", river gage is in NE 1/4 NW 1/4 SW 1/4 sec.36, T.25 S., R.1 W., Sedgwick County, Hydrologic Unit 11030012, at downstream side of highway bridge, 0.5 mi (0.8 km) west of Valley Center, and 17.5 mi (28.2 km) upstream from mouth. Little Arkansas River Floodway gage is in NE 1/4 NE 1/4 NE 1/4 sec.34, T.25 S., R.1 W., at downstream side of highway bridge, 1.2 mi (1.9 km) northwest of river gage.

DRAINAGE AREA.--1,327 mi<sup>2</sup> (3,437 km<sup>2</sup>), of which 77 mi<sup>2</sup> (199 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1944-52, 1957-63, 1965-74, 1977-80.

REMARKS.--Natural flow of stream affected by diversions and ground-water withdrawal for irrigation and municipal supply. Since May 1957, part of high-water flow bypasses site through floodway channel. Suspended-sediment and bed-material particle size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-06-05			153	300	A 124	58-04-03			1900	270	* 712 519
44-07-05			74	400	A 80	58-04-09			1400	139	* 72 27
44-08-07			74	100	A 20	58-04-15			1620	115	* 76 24
44-09-13			62	100	A 17	58-05-05			1440	2270	* 1380 8460
44-10-11			135	200	A 73	58-05-14				194	260 A 136
44-11-10			152	400	A 164	58-07-02			1830	37	* 85 8.5
44-12-13			412	500	A 556	58-07-06			1145	3030	* 466 3810
45-02-20			87	100	A 23	58-07-17				3610	1330 A 13000
45-03-21			596	1400	A 2250	58-07-19			1230	3140	* 436 3700
45-05-01			730	300	A 591	58-07-31				2710	590 A 4320
45-06-04			110	300	A 89	58-09-17			1345	3750	* 815 8250
45-07-10			105	200	A 57	58-09-19				2180	1180 A 6950
45-08-07			70	300	A 57	58-12-01			1100	51	* 9 1.2
45-09-11			44	100	A 12	59-03-07			1520	73	* 10 2.0
46-01-03			77	* 400	A 83	59-04-15			1215	68	* 66 12
46-02-13			73	100	A 20	59-05-05			1430	63	* 118 20
46-03-20			142	300	A 115	59-05-07				2230	1460 A 8790
46-10-14			65	300	A 53	59-05-13				2100	690 A 3910
47-05-22			640	* 800	A 1380	59-08-18			1215	29	* 104 8.1
48-06-28			8200	200	A 4430	59-09-17			1100	22	* 49 2.9
48-07-23			7070	200	A 3820	59-10-02			1935	775	1900 3980
48-11-02			209	400	A 226	59-10-02			2145	1000	1860 5020
49-02-23			1290	200	A 697	59-10-03			0030	1300	1510 5300
49-03-22			223	200	A 120	59-10-03			1140	1710	977 4510
49-04-11			288	300	A 233	59-10-04			1550	916	1350 3340
49-04-28			1410	900	A 3430	59-10-06				1700	950 A 4360
49-06-08			1250	300	A 1010	60-03-22			1605	2310	1130 7050
49-06-21			640	500	A 864	60-03-22			2025	2340	939 5930
49-07-20			105	100	A 28	60-03-24			1700	2570	964 6690
50-07-19			1450	900	A 3520	60-03-25				2760	1000 A 7450
50-08-01			7450	1100	A 22100	60-03-26			1140	2770	1050 7850
50-08-23			218	200	A 118	60-04-29			1700	635	2140 3670
51-05-16			2574	2200	A 15300	60-05-04			2125	2060	4050 22500
51-05-17			21800	1100	A 64700	60-05-05			1035	7260	2450 48000
51-06-20			293	200	A 158	60-05-05			1545	3340	2010 18100
51-07-13			16600	700	A 31400	60-05-07				3170	1290 A 11000
51-07-26			1250	300	A 1010	60-05-12				303	510 A 417
51-09-17			893	600	A 1450	60-06-14				942	1170 A 2980
52-03-27			711	1800	A 3460	60-08-08				273	1220 A 899
52-04-09			142	700	A 268	60-08-08			1625	307	1440 1190
52-04-15			448	700	A 847	60-08-24			1415	960	2830 7340
57-05-13			5340	1120	A 16100	60-08-24			2040	1080	1780 5190
57-05-17			14800	1110	A 44400	60-08-25				2560	1020 A 7050
57-07-11	1510		202	* 148	81	60-08-25			1105	1090	1430 4210
57-09-16	1505		43	* 58	6.7	60-08-25			1110	2580	919 6400
57-09-27	1655		36	* 89	8.7	60-08-26			1855	6500	1730 30400
57-09-27	1735		36	* 150	15	60-08-26			1905	3410	1580 14500
57-09-28	0830		34	* 87	8.0	60-08-27			0045	3560	1340 12900
57-09-29	1505		33	* 59	5.3	60-09-23			1650	560	2280 3450
57-09-30	1835		31	* 44	3.7	60-10-15			1505	738	2930 5840
58-01-14	1530		35	* 26	2.5	60-10-16			1720	1080	1290 3760
58-03-28	1645		330	* 586	522	60-10-17			1745	362	1060 1040
58-03-31	1940	1980	*	1780	9520	60-10-18				280	630 A 476

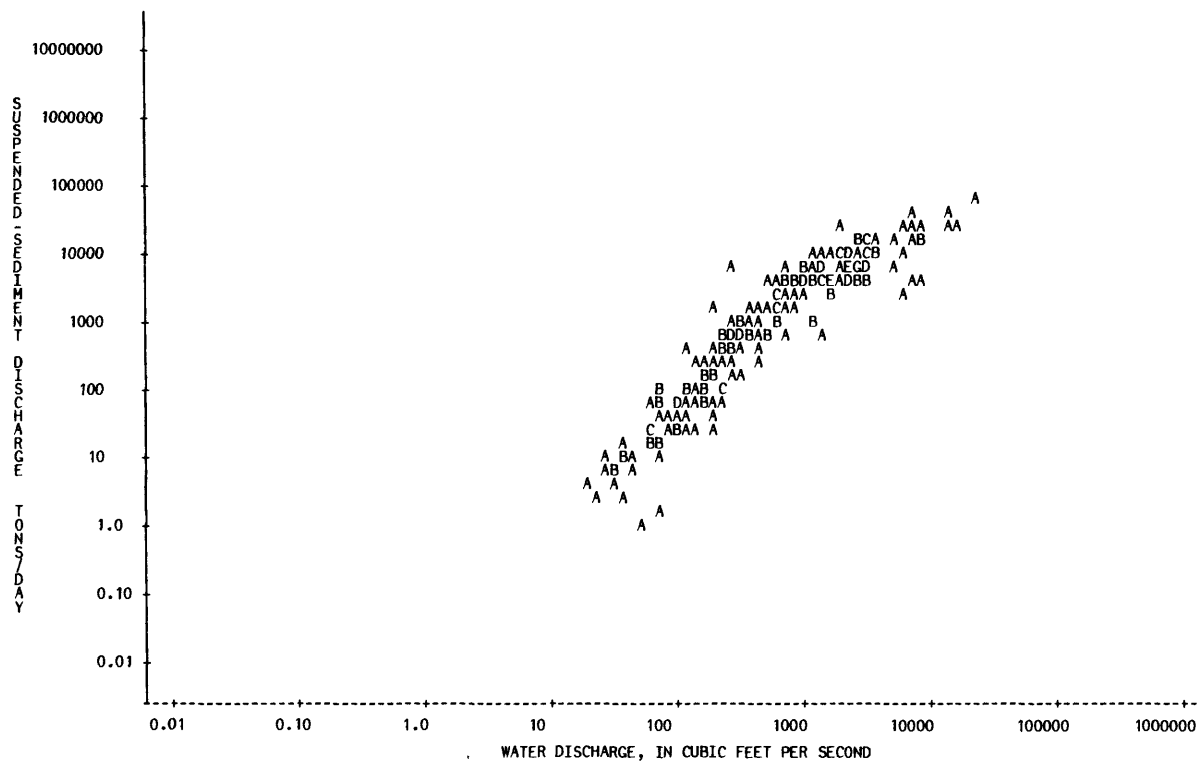
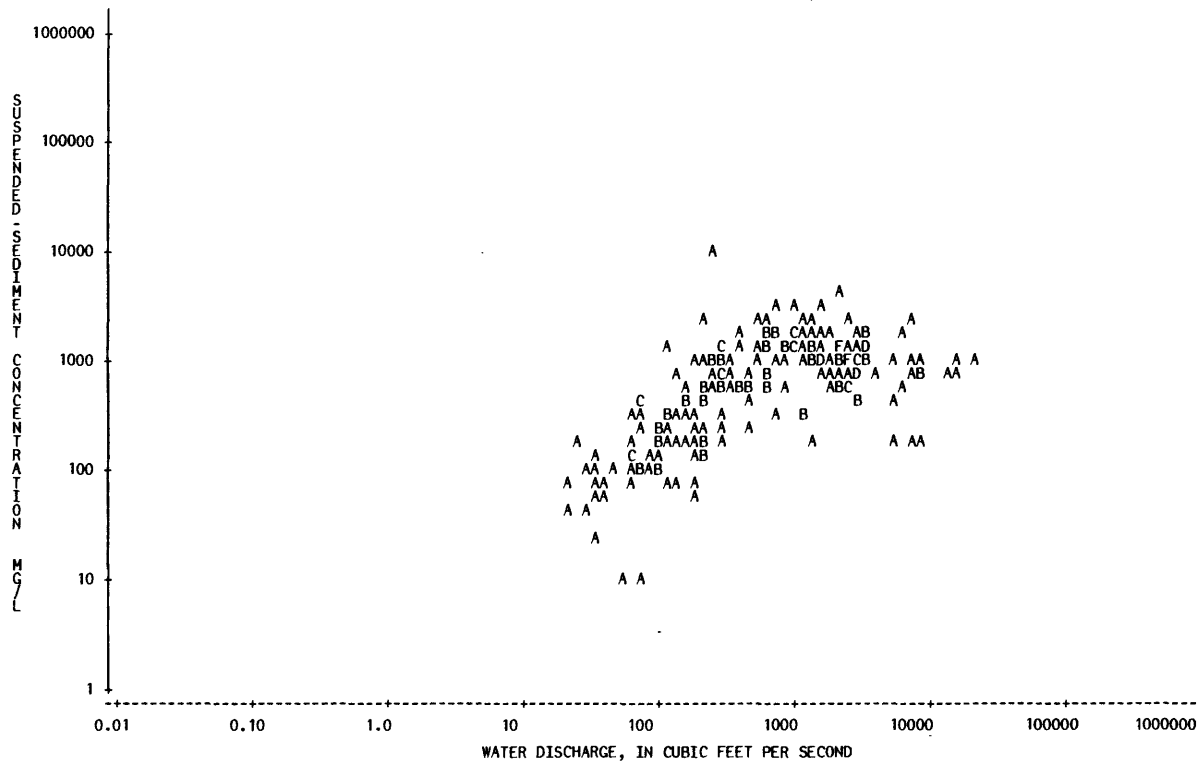
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-10-18		1605	216	650	379	73-11-05			200	50	A 27
60-10-30		1605	575	1080	1680	73-12-18			182	70	A 34
61-02-20		1710	163	577	254	74-03-11			1580	740	A 3160
61-03-23			449	380	A 461	74-04-15			213	120	A 69
61-04-10		1825	1920	1040	5390	74-04-17			211	220	A 125
61-04-13			376	580	A 589	74-04-22			9020	740	A 18000
61-04-30		1805	198	933	499	74-05-21			2220	1000	A 5990
61-05-01		1435	718	941	1820	74-06-03			2080	1460	A 8200
61-05-01		1955	1080	1690	4930	74-06-23			2570	940	A 6520
61-05-04			1620	2070	A 9050	77-05-24			2430	640	A 4200
61-05-04		1030	1600	1060	4580	77-06-21			6880	860	A 16000
61-05-05			3370	1130	A 10300	77-06-22			8170	780	A 17200
61-05-05		1440	3360	1520	13800	77-06-28			5780	180	A 2810
61-05-05		2100	3370	1170	10600	78-06-06		1330	97	251	66
61-05-06		1250	3150	768	6530	78-06-08		1250	175	144	68
61-05-09		1030	2500	598	4040	78-08-29		1220	21	82	4.6
61-05-11		1315	488	516	680	79-03-02		1230	612	797	1320
61-05-19		1800	1250	1670	5640	79-03-20		1200	1330	2230	8010
61-07-21		0910	675	1670	3040	80-08-07		1115	1500	1220	4940
61-08-19		1000	425	1210	1390	80-09-11		1035	26	183	13
61-08-19		1545	635	1250	2140						
61-09-14		1615	2790	701	5280						
61-09-28			125	300	A 101						
61-10-01		1620	95	91	23						
61-10-02		1625	114	162	50						
61-10-03		1610	88	142	34						
61-10-04		1610	78	449	95						
61-10-05		1600	70	249	47						
61-10-06		1610	66	171	30						
61-10-07		1605	64	142	25						
61-10-08		1325	63	121	21						
61-10-10		1815	1480	2970	11900						
61-10-11		1605	2220	1400	8390						
61-10-12		1620	279	922	695						
61-10-13		1610	1200	1140	3690						
61-10-14		1835	258	978	681						
61-10-16		1600	125	1490	503						
61-10-17		1700	112	260	79						
61-10-18		1555	106	184	53						
61-10-19		1620	98	138	37						
61-11-07			199	280	A 150						
62-05-29			2990	840	A 6780						
62-06-08			922	940	A 2340						
62-07-23			230	910	A 565						
62-09-28			297	1310	A 1050						
63-07-16			968	1260	A 3290						
63-09-17			614	1640	A 2720						
65-06-02			2050	1510	A 8360						
65-06-06			3100	850	A 7110						
65-06-08			2350	660	A 4190						
65-06-09			2250	560	A 3400						
65-06-10			3180	940	A 8070						
65-06-28			2410	1060	A 6900						
65-07-15			311	710	A 596						
65-09-03			304	710	A 583						
65-09-22			2840	1810	A 13900						
65-11-17			5120	470	A 6500						
67-04-03			256	9990	A 6910						
67-06-08			917	1540	A 3810						
67-06-09			206	2420	A 1350						
67-06-21			1320	1470	A 5240						
67-07-24			172	200	A 93						
67-07-26			373	1920	A 1930						
67-08-09			592	640	A 1020						
67-10-04		1440	99	274	73						
68-04-23		1000	345	832	775						
68-04-24		0720	214	423	244						
68-07-29			1454	1750	A 6870						
69-05-23			2830	1120	A 8560						
69-06-13			310	970	A 812						
70-06-25			159	390	A 167						
70-10-14			288	800	A 622						
71-03-04			276	230	A 171						
71-05-25			2400	1340	A 8680						
71-06-13			1600	970	A 4190						
72-05-01			1160	2610	A 8170						
72-05-04			504	1270	A 1730						
72-05-05			236	910	A 580						
72-06-02			260	540	A 379						
72-09-08			225	610	A 371						
73-02-16			156	160	A 67						
73-03-11			13700	820	A 30300						
73-03-26			8960	890	A 21500						
73-04-24			479	530	A 685						
73-05-08			450	210	A 255						
73-06-04			1770	690	A 3300						
73-10-16			6060	560	A 9160						
73-10-18			1720	590	A 2740						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07144200

LITTLE ARKANSAS RIVER AT VALLEY CENTER, KANS.



## ARKANSAS RIVER BASIN

07144780 NORTH FORK MINNESCAH RIVER ABOVE CHENEY RESERVOIR, KANS.

LOCATION.--Lat 37°50'41", long 97°56'09", in SW 1/4 NE 1/4 SW 1/4 sec.25, T.25 S., R.6 W., Reno County, Hydrologic Unit 11030014, at downstream side of bridge on State Highway 17, 12 mi (19.3 km) south of Hutchinson, 12.5 mi (20.1 km) upstream from Cheney Dam, and at mile 28.2 (45.4 km).

DRAINAGE AREA.--787 mi<sup>2</sup> (2,040 km<sup>2</sup>), of which 237 mi<sup>2</sup> (614 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1968, 1971-80.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-10-10		1055	80	*	168	71-12-03		1400	77	*	62
67-10-24		1245	38	*	126	71-12-17		0910	75	*	1
67-11-08		1115	54	*	60	72-01-03		1430	66	*	53
67-11-20		1115	50	*	41	72-01-17		1110	37	*	9
67-12-04		1030	62	*	73	72-01-28		1115	32	*	88
67-12-26		1445	70	*	157	72-02-01		1225	58	*	10
68-01-02		1330	55	*	124	72-02-15		1150	83	*	88
68-01-29		1300	82	*	232	72-03-02		1350	58	*	40
68-02-16		1340	65	*	98	72-03-15		1145	60	*	43
68-02-27		1220	71	*	124	72-04-04		1400	45	*	70
68-03-15		1330	61	*	90	72-04-14		1145	44	*	48
68-04-01		1350	44	*	54	72-05-05		1410	46	*	55
68-04-15		1340	56	*	80	72-05-15		1425	84	*	168
68-04-30		1130	53	*	65	72-06-01		1145	45	*	88
68-05-15		1340	87	*	167	72-06-15		1115	211	*	394
68-05-31		1130	306	*	2460	72-06-30		1350	35	*	77
68-06-03		1335	133	*	160	72-07-14		1035	123	*	258
68-06-17		1210	80	*	320	72-07-31		1410	24	*	68
68-07-01		1345	21	*	106	72-08-15		1400	14	*	48
68-07-15		1210	9.2	*	46	72-09-01		1230	46	*	145
68-07-31		1100	19	*	39	72-09-15		1055	41	*	93
68-08-15		1210	7.0	*	216	72-10-02		1400	20	*	36
68-09-03		1115	12	*	110	72-10-17		1045	21	*	12
68-09-16		1415	9.2	*	32	72-11-02		1200	63	*	109
70-10-02		1320	33	*	71	72-11-15		1020	72	*	71
70-10-15		1050	107	*	120	72-12-01		1200	71	*	81
70-11-02		1310	58	*	25	72-12-14		1115	41	*	8
70-11-16		1130	59	*	22	73-01-05		1110	55	*	25
70-12-01		0950	65	*	46	73-01-19		1100	168	*	86
70-12-16		1040	62	*	27	73-02-01		1300	1340	*	1340
71-01-05		1030	32	*	67	73-02-15		1345	121	*	31
71-01-21		1045	83	*	31	73-03-02		1355	127	*	65
71-02-01		1145	69	*	41	73-03-16		1415	274	*	122
71-02-10		1050	59	*	29	73-04-05		1330	330	*	122
71-03-03		1430	218	*	140	73-04-17		1330	502	*	204
71-03-15		1010	146	*	53	73-05-02		1215	191	*	60
71-04-05		1000	69	*	15	73-05-16		1200	88	*	45
71-04-20		1005	65	*	40	73-06-01		1050	66	*	52
71-05-11		1445	61	*	51	73-06-14		1415	36	*	56
71-05-27		1050	45	*	55	73-07-05		1110	19	*	28
71-06-08		1120	50	*	169	73-07-17		1425	27	*	64
71-06-22		1430	84	*	215	73-07-30		1345	31	*	94
71-07-19		1010	9.1	*	12	73-08-16		1700	28	*	130
71-07-27		1015	6.4	*	10	73-08-30		1305	5.5	*	176
71-08-10		1300	20	*	42	73-10-23		1335	198	*	30
71-08-23		0950	5.9	*	15	73-11-14		1200	151	*	27
71-09-01		1300	7.8	*	24	73-11-27		1700	170	*	26
71-09-15		1000	1.4	*	169	73-12-12		1605	204	*	38
71-10-04		0950	16	*	13	73-12-26		1220	275	*	73
71-10-21		0950	34	*	30	74-01-11		1220	134	*	16
71-11-01		1420	227	*	345	74-01-24		1145	220	*	46
71-11-02		1430	319	*	373	74-02-07		1040	139	*	31
71-11-15		1330	59	*	41	74-02-20		1020	133	*	33

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07144780 NORTH FORK MINNESCAH RIVER ABOVE CHENEY RESERVOIR, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-03-20	1110	155		46	19						
74-04-03	1710	117		56	18						
74-04-15	1700	143		63	24						
74-04-21	1250	4830		1180	15400						
74-06-05	1715	89		90	22						
74-06-19	1010	76		79	16						
74-07-10	1250	24		54	3.5						
74-07-24	0935	14		36	1.4						
74-08-08	1040	60		162	26						
74-08-22	0955	147		816	324						
74-09-19	1455	52		69	9.7						
74-10-10	1100	44		179	21						
74-10-25	1150	74		99	20						
74-11-08	1110	108		61	18						
74-11-20	1100	84		28	6.4						
74-12-03	1345	123		105	35						
74-12-17	1445	144		34	13						
75-01-09	1120	144		42	16						
75-01-20	1330	133		40	14						
75-02-14	1155	134		149	54						
75-02-26	1405	257		132	92						
75-03-20	1445	144		117	45						
75-04-08	1330	143		75	29						
75-04-23	1720	101		83	23						
75-05-14	1200	121		164	54						
75-06-12	1200	154		325	135						
75-07-10	1030	90		90	22						
75-07-28	1425	0.90		58	0.14						
75-08-13	1120	16		27	1.2						
75-08-29	1155	56		1220	184						
75-09-11	1150	15		36	1.5						
75-09-26	1135	22		39	2.3						
75-10-07	1550	24		128	8.3						
75-10-21	1340	25		35	2.3						
75-11-05	1350	108		235	69						
75-11-19	1120	64		83	14						
75-12-03	1540	70		95	18						
76-01-23	1035	80		48	10						
76-02-02	1515	72		93	18						
76-02-20	1315	75		59	12						
76-03-05	1415	163		393	173						
76-04-19	1140	360		300	292						
76-05-05	1120	287		129	100						
76-06-15	1035	52		82	11						
76-07-29	1515	27		92	6.7						
76-10-01	1140	38		133	14						
76-10-14	1205	26		23	1.6						
77-02-16	1550	72		31	6.0						
77-03-24	1545	53		45	6.4						
77-04-08	0920	79		101	21						
77-04-22	1130	173		161	75						
77-05-17	1350	80		184	40						
77-06-02	1120	1060		346	990						
77-06-16	1100	80		138	30						
77-06-27	1125	394		170	181						
77-08-23	1040	1320		1120	3990						
77-09-01	1830	12500		1920	64800						
77-09-16	1115	380		195	200						
77-10-12	1330	187		93	47						
77-10-17	1330	187		93	47						
77-11-11	1145	212		154	88						
77-12-16	1140	137		74	27						
78-03-24	1205	400		350	378						
78-04-19	1220	132		81	29						
78-06-15	1200	92		284	71						
79-03-20	1130	520		700	983						
79-06-06	1320	1310		1760	6230						
79-06-20	1035	56		50	7.6						
79-07-03	1115	46		52	6.5						
79-07-19	0845	44		57	6.8						
79-08-07	1050	62		57	9.5						
79-08-21	1230	41		40	4.4						
79-09-18	1115	20		14	0.76						
79-10-10	1115	44		6	0.71						
79-10-25	1340	112		96	29						
79-12-19	1100	123		113	38						
79-12-31	1115	264		92	66						
80-01-15	1250	124		55	18						
80-02-28	1220	273		124	91						
80-03-13	1150	400		180	194						
80-04-11	1140	245		38	25						
80-04-24	1200	162		58	25						
80-05-19	1130	266		105	75						
80-07-14	1120	14		47	1.8						
80-08-14	1220	3.7		107	1.1						
80-09-22	1140	16		21	0.91						

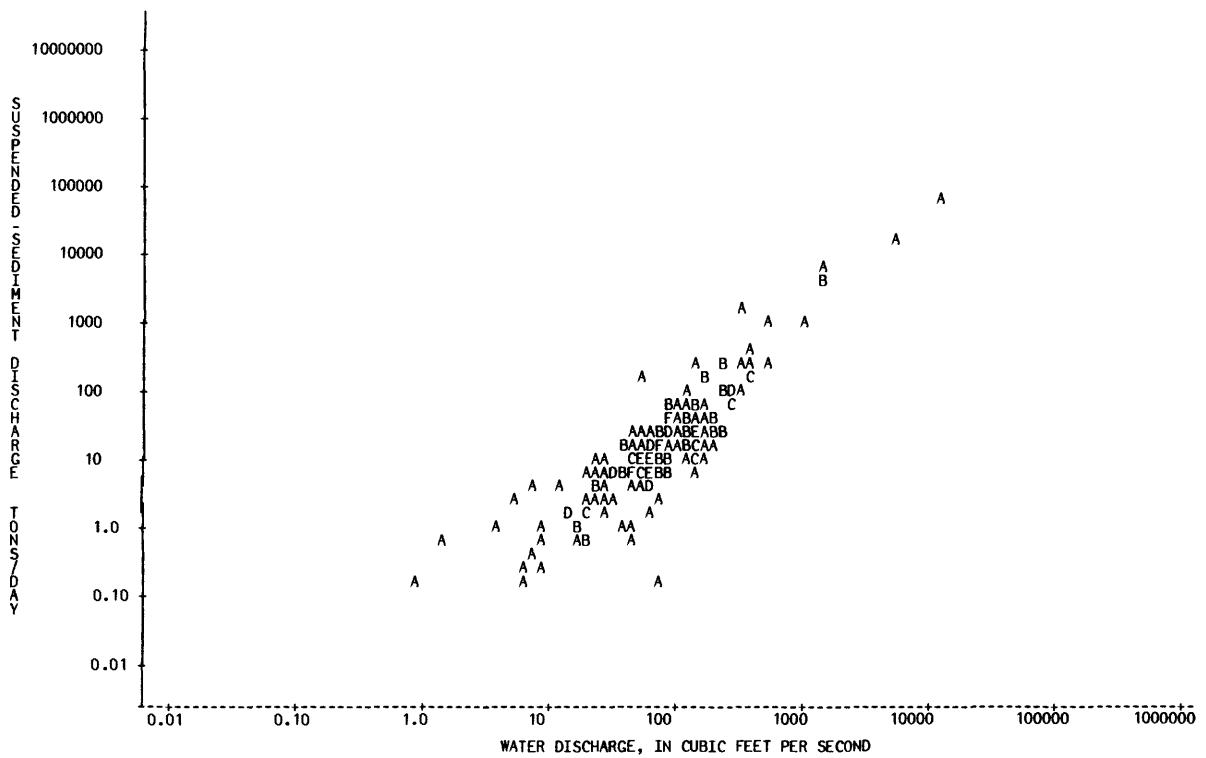
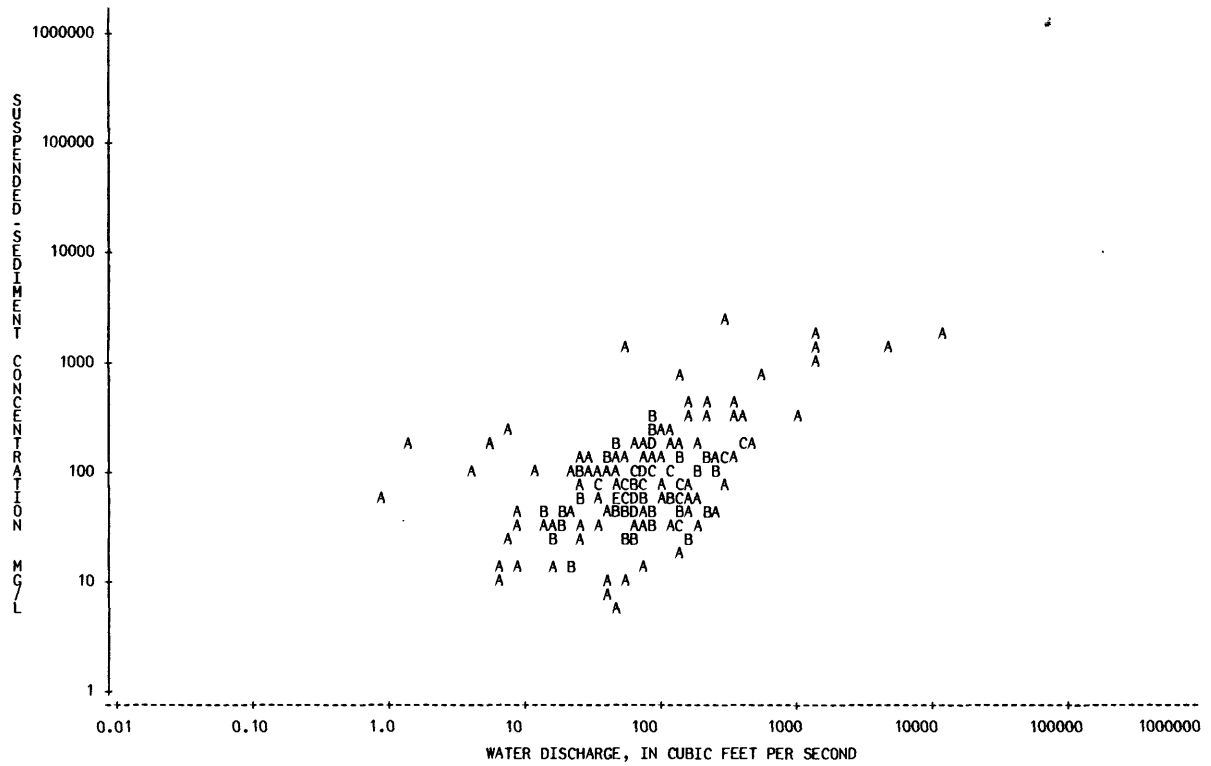
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KANS.



## ARKANSAS RIVER BASIN

07145200 SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KANS.

LOCATION.--Lat 37°33'51", long 97°51'10", in SW 1/4 SW 1/4 SE 1/4 sec.34, T.28 S., R.5 W., Kingman County, Hydrologic Unit 11030015, near right bank on downstream side of pier of county highway bridge, 4.0 mi (6.4 km) southeast of Murdock, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--650 mi<sup>2</sup> (1,680 km<sup>2</sup>), of which 107 mi<sup>2</sup> (277 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1962-65, 1968, 1971-80.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-07-30	1250	148	*	258	103	65-07-16	1335	138	*	128	48
62-10-09	1150	190	*	212	109	65-07-26	1200	76	*	61	13
62-11-20	0935	166	*	634	284	65-08-16	1205	61	*	64	11
62-12-04	1410	189	*	146	75	65-09-09	1525	106	*	174	50
63-01-08	1255	162	*	102	45	67-10-18	0935	88	*	127	30
63-02-07	1315	294	*	374	297	67-11-03	1145	144	*	128	50
63-03-12	1410	185	*	148	74	67-12-14	1200	90	*	61	15
63-04-18	1635	101	*	90	25	68-01-31	1200	129	*	96	33
63-05-08	1225	77	*	230	48	68-02-12	1220	120	*	106	34
63-05-14	1035	76	*	352	72	68-03-11	1130	112	*	87	26
63-06-05	1515	196	*	390	206	68-04-16	1200	104	*	100	28
63-07-08	1235	46	*	103	13	68-04-22	1215	1550	*	2230	9330
63-08-28	1140	48	*	114	15	68-04-23	1020	422	*	578	659
63-09-02	2110	6480	*	3730	65300	68-05-17	1240	124	*	381	128
63-09-03	1100	1990	*	2000	10700	68-07-12	1230	57	*	72	11
63-09-04	1800	1760	*	2120	10100	68-08-26	1100	44	*	64	7.6
63-09-06	1155	439	*	400	474	68-09-13	1200	53	*	26	3.7
63-09-10	1440	979	*	1720	4550	70-10-09	1300	203	*	316	173
63-10-24	1655	146	*	262	103	70-11-10	1220	97	*	64	17
63-11-21	1120	160	*	50	22	70-12-08	1130	105	*	56	16
63-12-18	1510	95	*	92	24	71-01-06	1145	73	*	75	15
64-01-30	1125	139	*	34	13	71-02-09	1145	84	*	69	16
64-02-18	1250	209	*	154	87	71-03-01	1345	300	*	258	209
64-03-10	1235	145	*	64	25	71-04-07	1215	121	*	34	11
64-04-14	1125	124	*	74	25	71-05-12	1030	116	*	59	18
64-05-08	1400	119	*	124	40	71-06-04	1250	312	*	384	323
64-06-22	1230	70	*	108	20	71-07-01	1045	510	*	2370	3260
64-07-23	1435	24	*	46	3.0	71-08-01	1500	88	*	21	5.0
64-08-25	1555	70	*	185	35	71-09-01	1030	47	*	157	20
64-08-28	1535	118	*	596	190	71-10-06	1530	86	*	59	14
64-09-24	1330	84	*	208	47	71-11-05	1130	213	*	279	160
64-10-05	1515	70	*	112	21	71-12-02	1215	143	*	59	23
64-10-22	1310	81	*	52	11	72-01-11	1045	145	*	60	23
64-11-17	0845	2100	*	1650	9360	72-01-28	1100	43	*	11	1.3
64-11-18	1525	870	*	864	2030	72-02-09	1145	114	*	25	7.7
64-11-19	1720	472	*	443	565	72-03-09	1115	111	*	50	15
64-11-30	1745	188	*	121	61	72-04-11	1145	103	*	40	11
64-12-15	1330	229	*	94	58	72-05-15	1115	164	*	140	62
65-01-07	1445	166	*	67	30	72-06-08	1110	64	*	67	12
65-01-22	1515	146	*	83	33	72-07-07	1110	180	*	476	231
65-02-16	1315	168	*	80	36	72-08-17	1120	38	*	66	6.8
65-03-03	1005	82	*	87	19	72-08-31	1315	1100	*	2120	6300
65-03-22	1500	120	*	54	17	72-09-11	1155	141	*	330	126
65-04-08	1340	162	*	98	43	72-10-05	1100	42	*	40	4.5
65-04-13	1320	120	*	184	60	72-11-22	0930	164	*	84	37
65-05-06	1150	115	*	141	44	72-12-07	0950	72	*	40	7.8
65-05-20	1600	196	*	266	141	73-01-11	1125	119	*	29	9.3
65-06-04	1050	77	*	189	39	73-02-13	0940	238	*	101	65
65-06-05	1850	5820	*	2490	39100	73-03-15	1030	462	*	373	465
65-06-07	1620	512	*	806	1110	73-04-20	1000	360	*	139	135
65-06-15	0930	718	*	488	946	73-05-03	0925	308	*	94	78
65-06-26	1445	3950	*	2080	22200	73-06-19	1115	88	*	93	22
65-06-27	1145	886	*	1300	3110	73-07-13	1150	49	*	48	6.4

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



ARKANSAS RIVER BASIN

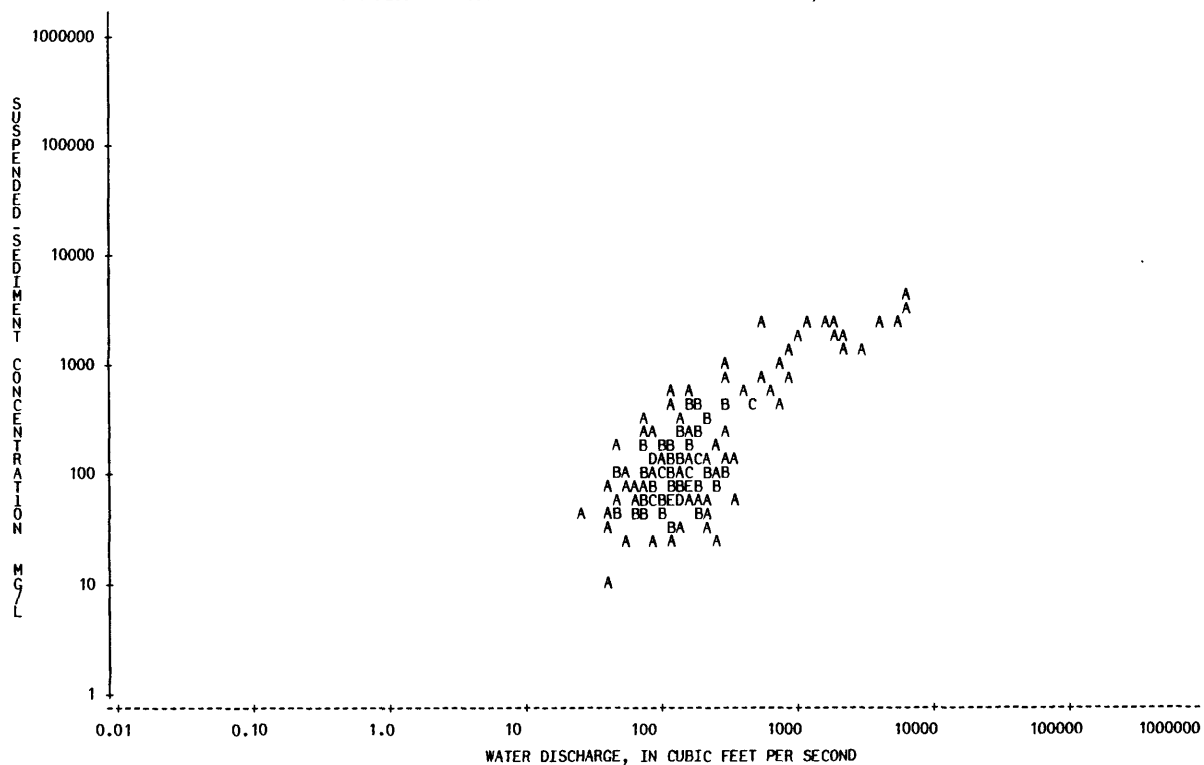
07145200 SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KANS.--CONTINUED

45

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-09-25	1220	2080	1450	8140	
73-10-16	1540	662	525	938	
73-11-19	1420	217	45	26	
73-12-17	1715	242	87	57	
74-01-15	1645	203	29	16	
74-02-08	1225	207	64	36	
74-03-07	1135	184	46	23	
74-04-04	1210	182	65	32	
74-04-20	1615	3050	1290	10600	
74-04-21	1530	6670	3280	59100	
74-05-07	1040	331	62	55	
74-06-05	1125	143	214	83	
74-07-09	1700	86	137	32	
74-08-07	1150	87	128	30	
74-09-18	1400	126	97	33	
74-10-24	1130	157	168	71	
74-11-20	0920	164	426	189	
74-12-13	0955	314	115	97	
75-01-20	1540	169	74	34	
75-02-26	1615	287	138	107	
75-03-21	0925	224	89	54	
75-04-09	0955	258	71	49	
75-06-11	1115	700	1050	1980	
75-07-09	1350	148	84	34	
75-08-13	0910	49	43	5.7	
75-09-04	0915	63	45	7.7	
75-09-26	0905	74	42	8.4	
75-10-08	0920	64	44	7.6	
75-11-13	0900	117	56	18	
75-12-03	1245	150	96	39	
76-02-03	1110	140	63	24	
76-04-19	1435	314	805	682	
76-05-20	0840	168	204	93	
76-06-29	1055	94	190	48	
76-09-21	0920	85	134	31	
76-10-14	0900	76	51	10	
76-12-29	1455	115	60	19	
77-05-18	1145	167	370	167	
77-08-19	1315	303	1150	941	
77-10-06	1100	147	70	28	
79-06-13	1015	179	82	40	
79-07-18	1350	255	192	132	
79-08-27	1620	105	47	13	
79-10-25	1135	109	192	57	
79-12-04	1240	197	71	38	
80-01-15	1100	184	47	23	
80-04-21	1220	246	24	16	
80-07-14	1415	53	95	14	
80-08-19	1220	107	150	43	
80-09-22	1415	43	33	3.8	

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07145200 SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KANS.



## ARKANSAS RIVER BASIN

07145500 MINNESCAH RIVER NEAR PECK, KANS.

LOCATION.--Lat 37°27'26", long 97°25'20", in NW 1/4 SW 1/4 NW 1/4 sec.10, T.30 S., R.1 W., Sumner County, Hydrologic Unit 11030016, at downstream side of highway bridge, 3.0 mi (4.8 km) southwest of Peck, and at mile 31.6 (50.8 km).

DRAINAGE AREA.--2,129 mi<sup>2</sup> (5,514 km<sup>2</sup>), of which 344 mi<sup>2</sup> (891 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1940-52, 1954, 1958, 1960-65, 1968, 1971-80.

REMARKS.--Flow partially regulated by Cheney Reservoir since 1964. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-30			876	600	A 1420	45-03-20			1560	2000	A 8420
40-05-19			4330	900	A 10500	45-05-01			1930	200	A 1040
40-05-20			1900	700	A 3590	45-06-04			255	200	A 138
40-06-25			175	400	A 189	45-07-10			215	100	A 58
40-07-24			111	100	A 30	45-08-07			96	100	A 26
40-09-04			2390	3600	A 23200	45-09-11			45	100	A 12
40-11-19			160	300	A 130	45-09-29			12600	1300	A 44200
40-12-17			110	200	A 59	45-10-23			382	100	A 103
41-01-21			319	200	A 172	45-11-14			304	100	A 82
41-02-19			207	200	A 112	46-01-03			414	200	A 224
41-03-18			325	200	A 175	46-02-12			273	600	A 442
41-04-22			295	700	A 558	46-03-19			418	200	A 226
41-05-21			202	200	A 109	46-04-23			540	2600	A 3790
41-06-18			652	300	A 528	46-10-15			195	100	A 53
41-06-29			1900	1300	A 6670	47-04-29			816	300	A 661
41-07-15			243	200	A 131	47-05-21			2660	700	A 5030
41-09-17			56	100	A 15	48-03-09			937	300	A 759
41-10-14			240	400	A 259	48-05-04			434	800	A 937
41-10-29			1160	600	A 1880	48-06-02			443	400	A 478
41-12-16			357	300	A 289	48-06-29			16500	600	A 26700
42-01-27			324	200	A 175	48-07-17			5620	500	A 7590
42-03-04			378	300	A 306	48-07-23			11100	200	A 5990
42-04-07			302	400	A 326	48-11-02			1500	1300	A 5270
42-04-21			806	800	A 1740	49-02-24			1380	400	A 1490
42-04-25			9390	120	A 3040	49-04-12			760	300	A 616
42-05-06			505	300	A 409	49-06-06			11100	900	A 27000
42-06-18			6380	1500	A 25800	49-06-20			2700	400	A 2920
42-06-19			8500	300	A 6890	50-07-18			6250	4000	A 67500
42-07-22			647	500	A 873	50-08-22			378	100	A 102
42-08-26			745	600	A 1210	50-08-30			3950	2500	A 26700
42-10-08			1440	700	A 2720	50-12-13			440	300	A 356
42-11-18			292	200	A 158	51-02-19			567	200	A 306
42-12-15			512	100	A 138	51-04-17			325	200	A 175
43-02-23			300	100	A 81	51-05-18			17000	800	A 36700
43-05-05			139	100	A 38	51-06-19			1030	300	A 834
43-06-07			245	500	A 331	51-07-25			1100	400	A 1190
43-07-08			114	700	A 215	51-09-07			12000	1300	A 42100
43-08-10			47	100	A 13	51-09-19			962	300	A 779
43-09-07			236	400	A 255	51-10-24			452	300	A 366
43-11-02			212	200	A 114	51-11-20			560	100	A 151
43-11-30			176	200	A 95	52-01-09			639	100	A 173
44-01-11			189	100	A 51	52-03-06			657	200	A 355
44-02-22			292	100	A 79	52-04-02			450	100	A 121
44-04-24			10500	1100	A 31200	52-04-30			704	300	A 570
44-05-04			10000	1200	A 32400	52-05-27			528	300	A 428
44-06-06			362	200	A 195	54-06-02			448	800	A 968
44-07-04			136	200	A 73	58-05-16		0630	383	567	586
44-08-08			1560	1400	A 5900	60-07-12			1355	181	55
44-09-13			180	100	A 49	60-08-12			1355	133	89
44-11-09			572	600	A 927	60-08-27			1135	4780	1820
44-12-14			682	200	A 368	60-09-13			0945	156	163
45-01-16			362	200	A 195	60-10-18			1315	825	1160
45-02-20			352	100	A 95	60-11-15			1700	324	104

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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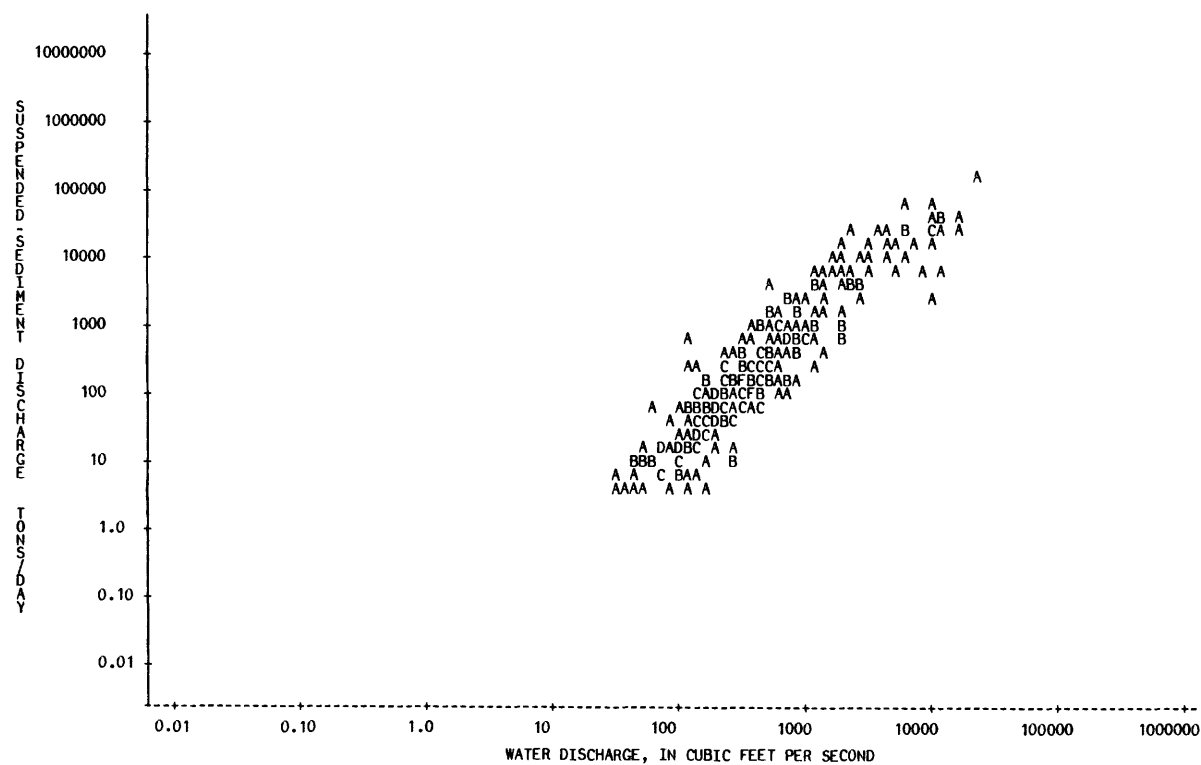
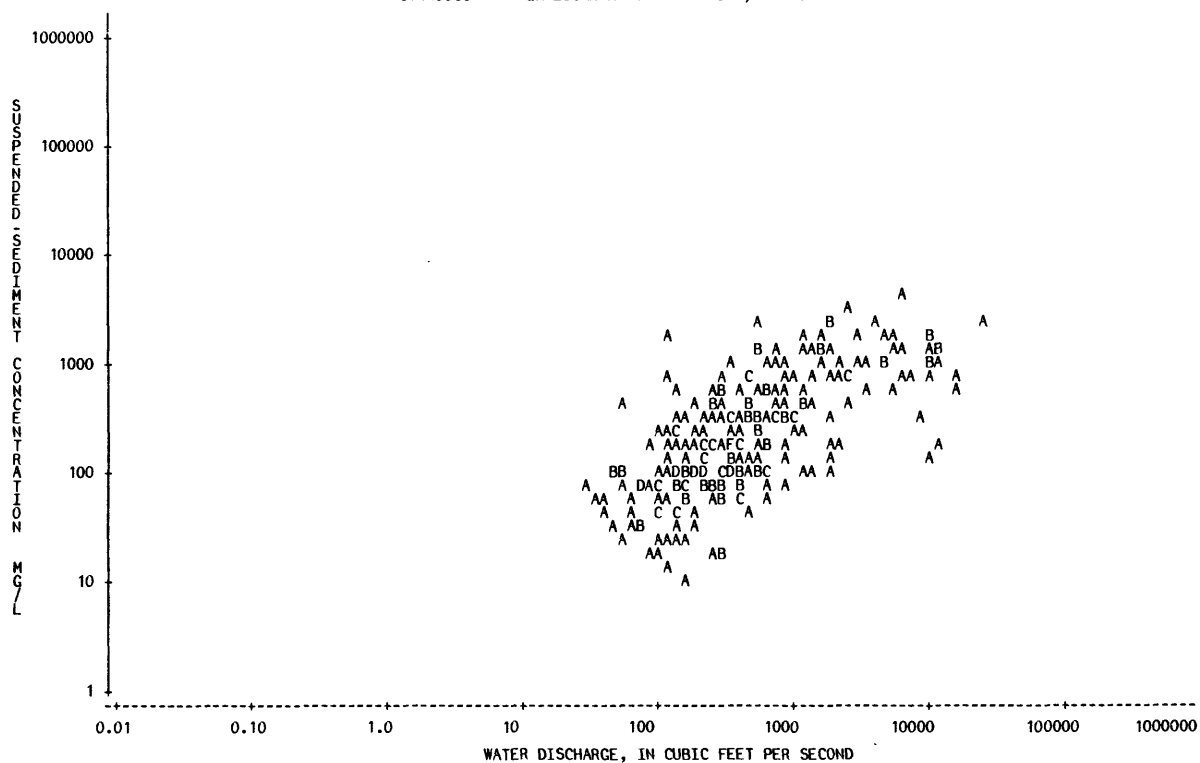
## ARKANSAS RIVER BASIN

07145500 NINNESCAH RIVER NEAR PECK, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-12-06	1230	337		149	136	71-11-02	1050	2220	*	1150	6890
61-01-09	1630	318		118	101	71-12-01	0840	433	*	46	54
61-02-10	1255	525		210	298	72-01-05	0910	68	*	29	5.3
61-03-15	1515	303		86	70	72-02-03	1000	92	*	19	4.7
61-04-11	1415	732		292	577	72-03-08	0855	132	*	42	15
61-05-03	1430	517		1300	1810	72-04-04	0815	107	*	20	5.8
61-05-06	1550	6060		774	12700	72-05-02	1505	158	*	109	46
61-05-07	1430	2470		742	4950	72-06-01	0815	111	*	137	41
61-05-23	1650	735		408	810	72-07-11	0705	124	*	1620	542
61-06-28	1700	152		131	54	72-08-01	1330	86	*	166	39
61-06-30	2000	130		304	107	72-09-08	0845	140	*	230	87
61-07-17	1435	362		991	969	72-10-02	1550	65		48	8.4
61-07-21	1930	9550		1560	40200	72-11-06	1510	129		70	24
61-09-11	1355	235		339	215	72-12-04	1140	94		44	11
62-05-29	1630	10200		1930	53200	72-12-07	1315	56		75	11
62-06-05	1410	1240		380	1270	73-01-10	1110	122		23	7.6
62-07-10	1120	1170		1930	6100	73-02-13	1410	348		88	83
62-10-08	1700	495	*	462	617	73-03-05	1225	3400		1080	9910
62-10-30	1515	326	*	214	188	73-04-01	1045	9460		727	18600
62-12-05	0940	410	*	169	187	73-04-23	1145	1210		211	689
63-01-08	1515	354	*	100	96	73-05-10	1045	1330		91	327
63-02-07	1350	825	*	492	1100	73-06-12	1445	138		95	35
63-03-12	1235	504	*	214	291	73-07-24	1230	83		75	17
63-04-09	1030	225	*	94	57	73-08-13	1140	76		71	15
63-05-02	0935	150	*	65	26	73-09-13	108			250	A 73
63-06-05	1115	1230	*	1170	3890	73-10-12	1315	24200		2190	143000
63-07-11	0920	69	*	77	14	73-10-19	1255	2090		203	1150
63-08-14	0930	30	*	67	5.4	73-11-06	1240	1810		131	640
63-08-19	1520	58	*	427	67	73-12-11	1200	807		71	155
63-08-26	1315	120	*	233	75	74-02-11	1200	629		55	93
63-09-04	1445	5260	*	1430	20300	74-03-19	1310	422		53	60
63-09-10	1155	3040	*	1960	16100	74-04-09	1455	278		17	13
63-10-03	1215	229	*	115	71	74-05-15	1315	802		173	375
63-11-06	1420	244	*	74	49	74-06-24	1340	164		85	38
63-12-19	1100	170	*	23	11	74-07-09	1050	100		68	18
64-01-20	1100	290	*	19	15	74-08-27	1115	204		149	82
64-02-19	1050	292	*	56	44	74-09-24	1105	127		49	17
64-03-11	1045	250	*	18	12	74-11-14	1030	278		57	43
64-04-05	1550	482	*	742	966	74-12-11	1455	980		236	624
64-05-15	1110	202	*	109	59	75-01-14	1450	416		60	67
64-05-28	1630	622	*	920	1550	75-02-20	1300	410		78	86
64-06-09	1950	253	*	160	109	75-04-04	1515	328		340	301
64-07-21	1135	46	*	31	3.9	75-05-21	1455	208		130	73
64-08-20	1210	301	*	496	403	75-06-18	1720	7190		703	13600
64-08-28	2010	1950	*	2560	13500	75-07-18	1130	356		296	285
64-10-09	1440	101	*	26	7.1	75-09-02	1545	99		44	12
64-11-17	1050	9940	*	990	26600	75-10-21	1520	95		74	19
64-11-18	1445	2320	*	657	4120	76-02-11	0930	202		69	38
64-12-02	1635	305	*	68	56	76-03-10	1430	238		71	46
65-01-08	1425	233	*	132	83	76-05-04	1555	1970		321	1710
65-02-17	1335	269	*	55	40	76-06-02	1620	410		147	163
65-03-10	1315	180	*	32	16	76-07-02	1820	4390		1100	13000
65-04-06	0840	520	*	1300	1830	76-10-05	1340	78		76	16
65-05-13	1340	142	*	228	87	77-04-19	1400	781		1280	2700
65-05-14	1655	1920	*	2330	12100	77-05-22	1445	3440		608	5650
65-06-05	2105	2800	*	1080	8160	77-10-18	1130	399		82	88
65-06-06	1045	5740	*	1710	26500	78-03-21	1500	668		95	171
65-06-07	1355	1510	*	945	3850	78-06-13	1700	901		140	341
65-06-14	1925	2550	*	676	4650	79-03-06	1300	417		241	271
65-07-06	1615	1050	*	764	2170	79-04-10	1330	1110		107	321
65-08-05	1415	99	*	55	15	79-05-22	1230	853		291	670
65-09-14	1155	188	*	213	108	79-06-26	1220	297		325	261
67-10-03	1000	72	*	84	16	79-07-31	1305	201		87	47
67-10-27	1300	94	*	66	17	79-09-04	1210	69		33	6.2
67-12-21	1300	186	*	48	24	79-10-22	1105	133		220	79
68-01-30	1420	159	*	65	28	80-01-15	1230	374		51	51
68-02-19	1130	138	*	49	18	80-02-20	1240	679		70	128
68-03-12	1115	131	*	110	39	80-04-08	1230	1880		102	518
68-04-11	1040	152	*	98	40	80-05-20	1210	463		129	161
68-04-23	1430	1280	*	1420	4910	80-07-02	1200	119		58	19
68-05-20	1100	129	*	86	30	80-08-04	1225	33		54	4.8
68-06-06	1120	133	*	22	7.9	80-09-08	1155	41		63	7.0
68-07-11	1030	52	*	90	13						
68-08-12	1115	781	*	1090	2300						
68-09-17	1030	66	*	52	9.3						
70-10-21	1030	158	*	70	30						
70-11-12	1020	117	*	12	3.8						
70-12-10	1000	135	*	36	13						
71-01-08	1400	107	*	43	12						
71-02-08	1140	53	*	24	3.4						
71-03-10	0830	541	*	155	226						
71-04-06	0740	161	*	11	4.8						
71-05-12	0750	156	*	71	30						
71-06-08	1030	611	*	584	963						
71-07-08	0745	226	*	282	172						
71-08-09	1115	136	*	558	205						
71-09-02	0710	39	*	46	4.8						
71-10-01	1505	673	*	104	189						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07145500 NINNESCAH RIVER NEAR PECK, KANS.



## ARKANSAS RIVER BASIN

07146500 ARKANSAS RIVER AT ARKANSAS CITY, KANS.

LOCATION.--Lat 37°03'23", long 97°03'32", in NE 1/4 NE 1/4 NE 1/4 sec.35, T.34 S., R.3 E., Cowley County, Hydrologic Unit 11030013, near left bank at downstream side of bridge on U.S. Highway 166, 0.1 mi (0.2 km) downstream from St. Louis - San Francisco Railway Co. bridge, 0.5 mi (0.8 km) west of Arkansas City, 5.4 mi (8.7 km) upstream from Walnut River and at mile 701.4 (1,128.6 km).

DRAINAGE AREA.--43,713 mi<sup>2</sup> (113,220 km<sup>2</sup>), of which 7,607 mi<sup>2</sup> (19,700 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1943-45, 1958, 1961-66, 1968, 1971-80.

REMARKS.--Flow moderately regulated by John Martin Reservoir since 1943 and Cheney Reservoir since 1964. Upstream diversions for irrigation. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-25			1760	1100	A 5230	44-10-11			1650	800	A 3560
43-06-30			809	500	A 1090	44-10-17			1100	400	A 1190
43-07-07			659	100	A 178	44-10-24			1000	200	A 540
43-07-14			691	500	A 933	44-10-31			890	700	A 1680
43-07-22			2580	1200	A 8360	44-11-08			1150	400	A 1240
43-07-29			900	400	A 972	44-11-15			1000	200	A 540
43-08-06			659	200	A 356	44-11-22			900	300	A 729
43-08-11			837	900	A 2030	44-11-29			1150	300	A 932
43-08-28			370	300	A 300	44-12-20			2330	400	A 2520
43-09-06			552	900	A 1340	44-12-28			1500	300	A 1220
43-09-17			540	500	A 729	45-01-04			1340	300	A 1090
43-09-27			410	400	A 443	45-01-10			1490	100	A 402
43-10-01			1080	200	A 583	45-01-17			1360	400	A 1470
43-10-27			390	1500	A 1580	45-01-24			2100	400	A 2270
43-11-01			890	1400	A 3360	45-01-30			1720	300	A 1390
43-11-10			650	200	A 351	45-02-09			1625	400	A 1760
43-11-16			620	200	A 335	45-02-15			1420	200	A 767
43-11-23			640	100	A 173	45-02-20			1350	100	A 365
43-11-30			610	200	A 329	45-02-28			2350	100	A 635
43-12-07			720	100	A 194	45-03-09			2090	700	A 3950
43-12-21			720	100	A 194	45-03-13			1600	400	A 1730
44-01-05			810	100	A 219	45-03-22			2300	1600	A 9940
44-01-13			1080	200	A 583	45-04-05			1500	100	A 405
44-01-21			890	400	A 961	45-04-12			7800	2700	A 56900
44-01-27			960	500	A 1300	45-05-10			3120	600	A 5050
44-02-04			820	300	A 664	45-05-16			1630	200	A 880
44-02-17			750	300	A 607	45-05-21			1560	500	A 2110
44-03-01			760	200	A 410	45-05-29			1550	800	A 3350
44-03-17			9200	3900	A 96900	45-06-05			1120	300	A 907
44-03-28			2150	1100	A 6390	45-06-19			1460	500	A 1970
44-04-07			1190	200	A 643	45-06-26			3350	1400	A 12700
44-04-12			22200	2900	A 174000	45-07-02			2010	800	A 4340
44-04-22			4500	1400	A 17000	45-07-17			1260	700	A 2380
44-04-26			33000	2100	A 187000	45-07-24			1400	500	A 1890
44-05-06			22600	1500	A 91500	45-07-31			1480	300	A 1200
44-05-10			7600	800	A 16400	45-08-06			875	500	A 1180
44-05-18			3100	1200	A 10000	45-08-13			875	500	A 1180
44-05-24			3100	400	A 3350	45-08-28			548	300	A 444
44-06-03			5600	2500	A 37800	45-09-10			365	100	A 99
44-06-06			5490	7000	A 104000	58-07-03	0930	2430	1640		10800
44-06-13			4290	2000	A 23200	61-04-12	1335	3480	974		9150
44-06-20			1510	1600	A 6520	61-05-07	0740	40100	1730		187000
44-07-17			1940	700	A 3670	61-05-10	1800	7960	1690		36300
44-07-31			2800	2200	A 16600	61-06-15	1145	5580	2760		41600
44-08-03			1680	1000	A 4540	61-06-29	1850	1290	262		913
44-08-09			1580	1300	A 5550	61-07-17	1810	902	344		838
44-08-16			1430	300	A 1160	61-07-21	1515	3720	1470		14800
44-08-22			1150	700	A 2170	61-07-24	1325	18800	1740		88300
44-08-29			5400	3600	A 52500	61-07-25	0930	9650	1220		31800
44-09-06			1800	1700	A 8260	61-08-17	1500	1940	653		3420
44-09-12			1150	300	A 932	61-09-11	1740	1110	310		929
44-09-19			965	300	A 782	61-09-14	1515	9550	2790		71900
44-09-26			819	200	A 442	61-09-15	1425	8750	1760		41600

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

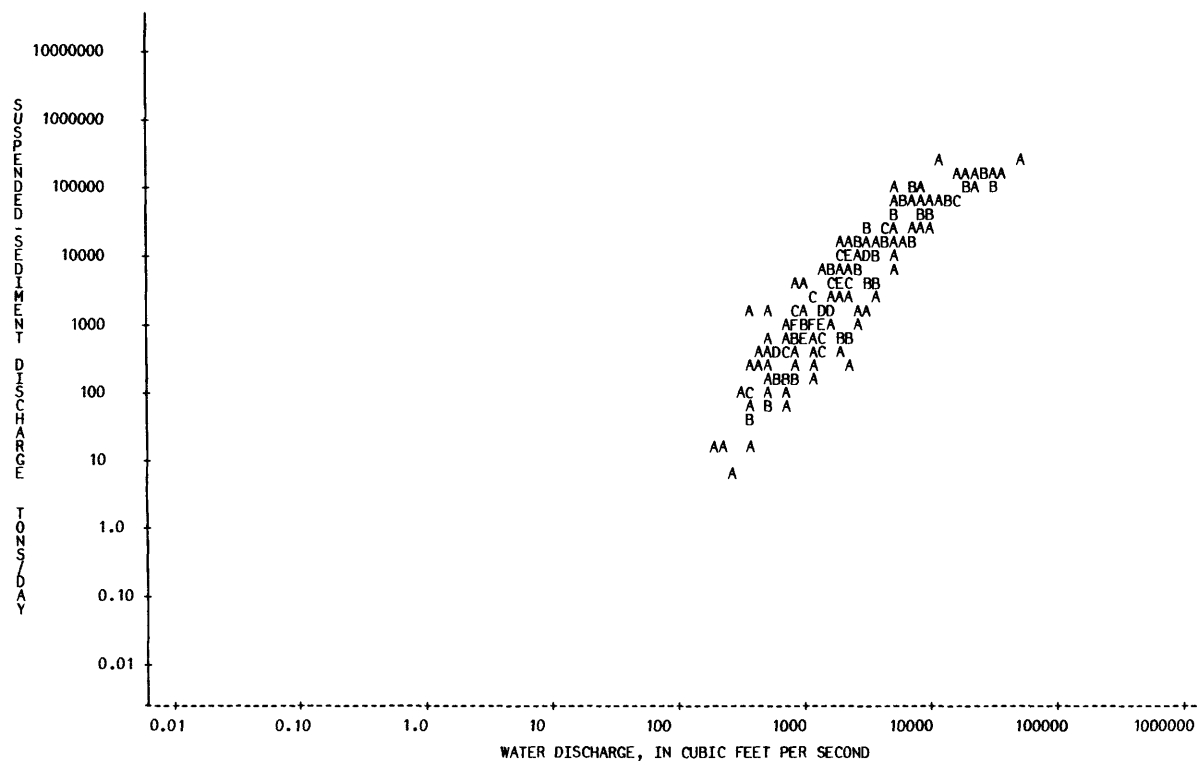
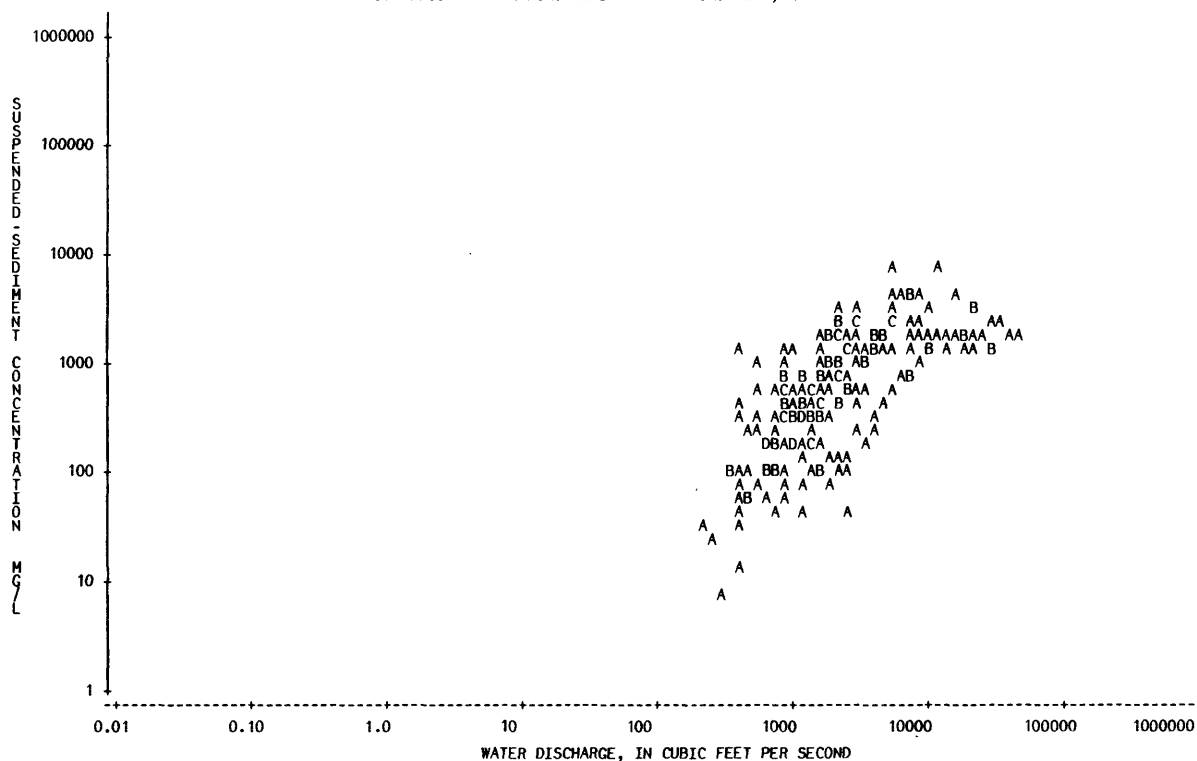
07146500 ARKANSAS RIVER AT ARKANSAS CITY, KANS.--CONTINUED

51

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-10-10	0740	12400	7130	239000		79-11-15	1030	3740	275	2780	
61-10-10	1730	15200	4680	192000		79-12-12	1130	1860	81	407	
61-10-13	1815	7620	4050	83300		80-01-16	0930	1150	42	130	
61-11-01	0745	5270	2280	32400		80-02-21	1030	2010	106	575	
61-11-02	1250	20500	3100	172000		80-03-26	1030	3640	516	5070	
62-05-31	1600	13000	1920	67400		80-04-22	1500	2600	120	842	
62-06-05	0941	17200	1390	64600		80-06-18	1545	865	84	196	
62-07-09	1555	4380	1630	19300		80-07-23	1930	395	104	111	
62-09-11	1010	2640	780	5560		80-08-27	0930	402	80	87	
62-10-08	1245	2110	* 746	4250		80-09-24	1430	207	28	16	
63-05-27	1350	3030	* 3090	25300							
63-06-06	1000	2440	* 1400	9220							
63-09-09	1825	5040	* 1440	19600							
63-10-04	1030	804	* 870	1890							
64-04-05	2150	2980	* 2360	19000							
64-04-06	0915	2080	* 2160	12100							
64-04-27	1610	1930	* 1610	8390							
64-06-18	1200	2270	* 2420	14800							
64-08-21	1020	1000	* 1310	3540							
64-08-29	1020	6400	* 3780	65300							
64-09-22	1045	960	* 450	1170							
64-11-05	1100	8050	* 2380	51700							
64-11-17	1915	49000	* 1890	250000							
65-04-06	1420	7330	* 4140	81900							
65-06-06	1350	28100	* 2420	184000							
65-06-07	0935	27000	* 2000	146000							
65-06-14	1535	14400	* 1440	56000							
65-07-07	1140	9040	* 1060	25900							
65-09-14	1820	3090	* 1160	9680							
66-05-21	1250	2080	* 2780	15600							
66-06-08	1355	2820	* 1820	13900							
66-06-27	1330	5780	* 4700	73300							
66-08-02	1355	2330	* 1990	12500							
67-10-12	1245	3410	* 937	8630							
68-04-05	1920	1300	* 556	1950							
68-04-24	1345	3160	* 2420	20600							
68-06-19	1325	1850	* 961	4800							
68-08-19	1410	11600	* 1800	56400							
71-03-11	1030	2390	* 530	3420							
71-07-08	1330	4700	* 1790	22700							
71-11-03	1015	7360	* 1500	29800							
72-02-14	1045	683	* 54	100							
72-04-05	0955	495	* 54	72							
72-05-03	1025	2540	* 1180	8090							
72-06-01	1555	3720	* 1240	12500							
72-08-31	0810	460	* 242	301							
73-03-06	1300	15700	1640	69500							
73-03-09	1340	20700	2000	112000							
73-03-22	1145	6170	828	13800							
73-10-04	1540	29500	1320	105000							
74-03-12	1040	10400	1670	46900							
74-05-16	1015	7500	793	16100							
74-10-30	0955	2210	1900	11300							
75-05-23	1045	2390	655	4230							
75-06-18	1930	17800	1630	78300							
75-06-19	1110	29900	1270	103000							
75-09-03	1050	2080	1120	6290							
75-10-22	1145	396	39	42							
75-12-17	1250	1060	365	1040							
76-01-22	1505	742	40	80							
76-05-05	1040	4870	458	6020							
76-06-09	1150	1380	168	626							
76-07-08	0840	2340	47	297							
76-10-05	1400	506	234	320							
76-11-04	1025	487	61	80							
77-03-02	0925	375	13	13							
77-04-06	1000	528	86	123							
77-05-04	1010	722	199	388							
77-05-26	1440	5560	606	9100							
77-06-09	0930	2740	243	1800							
77-06-23	1020	10200	1440	39700							
77-08-03	0900	1240	616	2060							
77-09-13	1000	3270	198	1750							
77-10-19	1020	1090	72	212							
78-03-22	1515	2260	122	744							
78-04-27	1500	875	65	154							
78-06-08	0830	3700	337	3370							
78-10-04	1400	501	107	145							
78-12-05	1600	380	33	34							
79-01-09	1600	330	96	86							
79-02-07	1600	275	8	5.9							
79-03-08	1030	4291	1910	22100							
79-04-18	1530	1950	129	679							
79-05-30	1700	1360	182	668							
79-06-19	1630	1090	123	362							
79-07-11	1500	1600	468	2020							
79-09-18	1400	384	52	54							
79-10-17	1500	246	26	17							

\*\*\*\*\*  
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07146500 ARKANSAS RIVER AT ARKANSAS CITY, KANS.





## ARKANSAS RIVER BASIN

07146570 COLE CREEK NEAR DEGRAFF, KANS.

LOCATION.--Lat 37°56'50", long 96°46'50", in NE 1/4 NW 1/4 SW 1/4 sec.21, T.24 S., R.6 E., Butler County, Hydrologic Unit 11030017, at downstream side of highway bridge, 5.0 mi (8.0 km) southeast of DeGraff, and 6.0 mi (9.7 km) upstream from mouth.

DRAINAGE AREA.--30 mi<sup>2</sup> (80 km<sup>2</sup>), approximately.

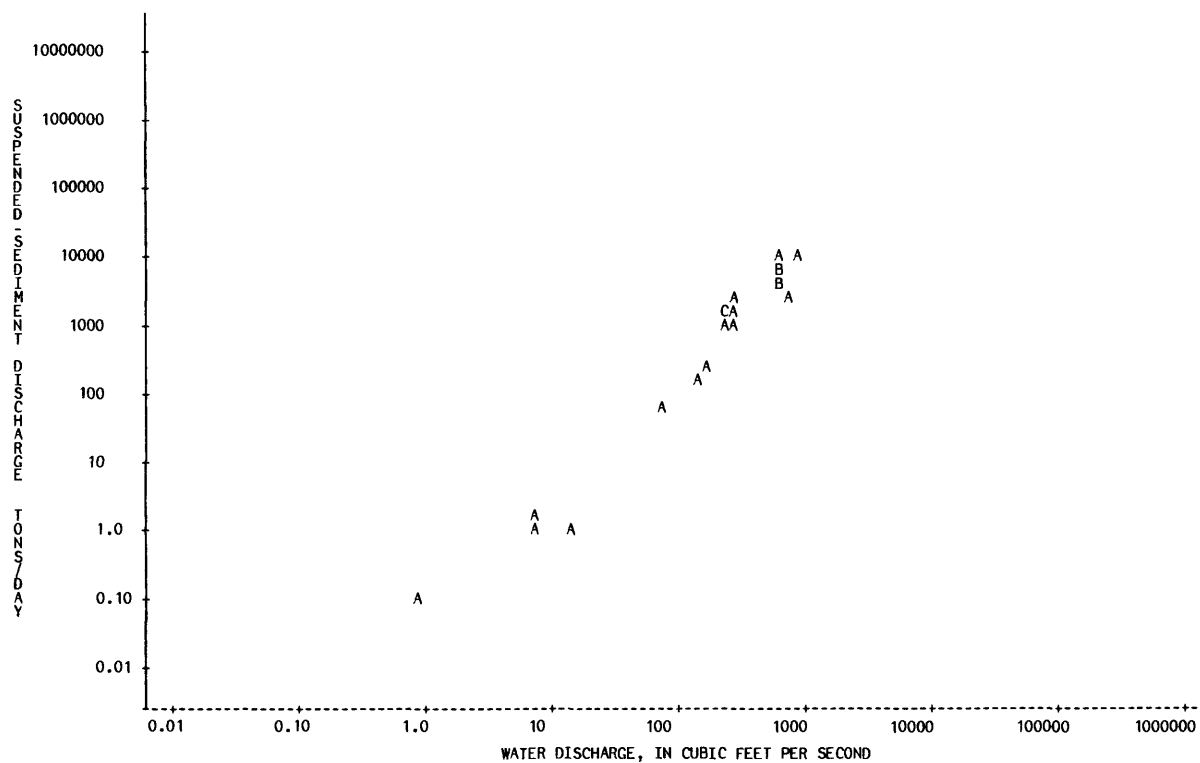
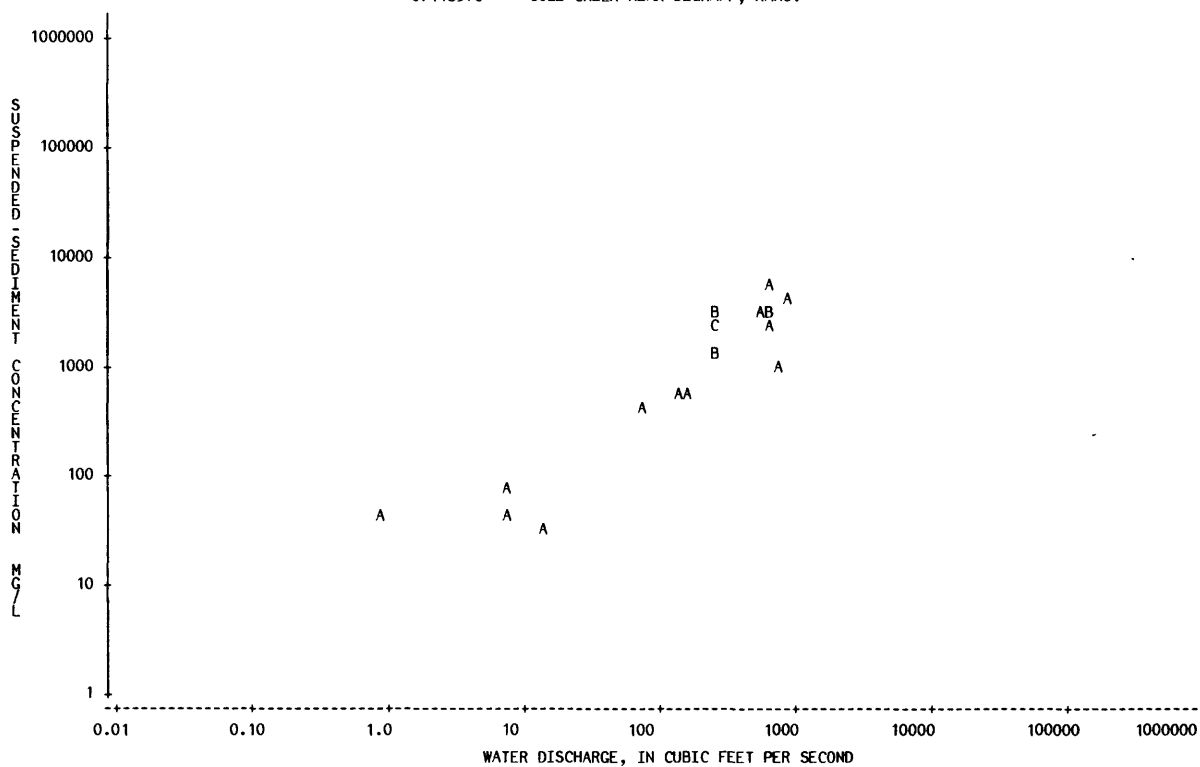
PERIOD OF RECORD.--Water years 1962-64, 1971, 1976-77, 1979.

REMARKS.--Initial upstream floodwater-retarding structure was completed in January 1976. The remaining construction was completed in August 1979 with 11.8 mi<sup>2</sup> (30.6 km<sup>2</sup>) of the drainage area above the gage controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-06-02	1805	243	2810	1840	
62-06-11	1945	240	2600	1680	
62-06-11	2040	649	3600	6310	
62-06-24	1620	240	2120	1370	
62-09-15	0340	650	2310	4050	
63-03-11	0315	241	1510	983	
63-03-11	0845	571	2830	4360	
63-06-19	1525	850	4770	10900	
63-06-19	1930	697	1160	2180	
64-04-04	0800	254	3530	2420	
64-05-27	1800	254	1400	960	
64-05-27	1830	654	3570	6300	
64-06-15	0230	254	2600	1780	
64-06-15	0300	654	6430	11400	
71-06-03	1210	134	519	188	
71-06-03	1600	71	387	74	
76-05-03	1345	7.0	71	1.3	
76-06-01	1200	7.2	46	0.89	
77-05-21	1735	157	500	212	
79-06-19	1310	14	29	1.1	
79-07-24	1125	0.84	47	0.11	

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07146570 COLE CREEK NEAR DEGRAFF, KANS.



## ARKANSAS RIVER BASIN

07147070 WHITEWATER RIVER AT TOWANDA, KANS.

LOCATION.--Lat 37°47'45", long 97°00'45", in SE 1/4 SW 1/4 SE 1/4 sec.8, T.26 S., R.4 E., Butler County, Hydrologic Unit 11030017, at downstream side of bridge on State Highway 254, 0.5 mi (0.8 km) west of Towanda, 2.4 mi (3.9 km) downstream from West Branch, and at mile 17.5 (28.2 km).

DRAINAGE AREA.--426 mi<sup>2</sup> (1,100 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1961-65, 1968, 1976-80.

REMARKS.--Initial upstream floodwater-retarding structure was completed in March 1976. Construction is continuing with 56.4 mi<sup>2</sup> (146 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-04-21			940	*	8480	65-06-05	1700	26700	*	2110	152000
61-04-21	1201		940		8480	65-06-26	1410	617	*	2240	3730
61-04-21	1202		1800		7440	65-06-26	1620	942	*	2900	7380
61-04-21	1203		2800		10600	65-06-26	2220	1560	*	2700	11400
61-06-27			940	*	6880	67-10-07	1100	931	*	2550	6410
61-06-27	1201		940		6420	67-10-07	1415	1510	*	1220	4970
61-06-27	1202		1800		6880	67-10-08	0300	2570	*	2750	19100
61-06-27	1203		2800		7630	67-10-13	1105	58	*	114	18
61-07-18	0900		10		280	67-11-01	1345	24	*	225	15
61-09-14	1240		2500		882	68-02-06	1055	23	*	90	5.6
61-10-10	1140		3860		2800	68-03-06	1055	19	*	162	8.3
62-06-01	1630		1080		3420	68-04-03	0700	931	*	6310	15900
62-06-01	2300		2020		7680	68-04-03	0800	1510	*	4460	18200
62-06-02	0230		3100		6620	68-04-03	1105	2570	*	5780	40100
62-06-04	1330		945		885	68-04-05	1320	163	*	349	154
62-09-21	1425		1140		1560	68-04-22	1500	931	*	5130	12900
62-09-26	1430		127		572	68-04-25	1020	99	*	143	38
63-03-11	1100		850	*	2990	68-05-16	1105	44	*	219	26
63-03-12	1300		358	*	914	68-06-04	1045	50	*	196	26
63-07-11	0800		1010	*	5040	68-06-15	1130	931	*	5990	15100
63-07-11	1100		1980	*	6150	68-06-15	1240	1510	*	14400	58700
63-07-11	1815		2960	*	3280	68-06-15	1540	2570	*	3080	21400
63-07-11	1850		3000	*	1840	68-07-03	1100	24	*	164	11
63-07-11	2230		3550	*	2440	68-07-25	1510	1510	*	20100	81900
63-07-12	0830		4360	*	1900	68-07-25	2000	2570	*	3380	23500
63-07-12	0940		4430	*	1630	68-07-26	1115	11800	*	1890	60200
63-07-12	1620		4250	*	1160	68-07-30	1100	302	*	502	409
64-04-04	2100		1000	*	3140	68-08-02	1100	87	*	375	88
64-05-06	2320		1000	*	2180	68-09-09	1100	33	*	94	8.4
64-05-27	1900		698	*	1050	76-05-03	1605	148		134	54
64-05-27	1945		922	*	5440	76-06-01	1450	134		340	123
64-05-27	2045		1320	*	4040	77-04-21	1115	7.8		115	2.4
64-05-28	0320		2560	*	6800	77-05-19	1300	10		154	4.3
64-05-28	1300		2100	*	1520	77-05-21	1500	1880		1690	8580
64-06-15	1110		800	*	2920	77-05-21	1900	2260		1950	11900
64-06-15	1230		1120	*	2870	77-05-22	0855	1360		1390	5100
64-06-15	1600		1760	*	2740	77-05-22	1325	760		1810	3710
64-06-16	0115		3160	*	2270	77-05-22	1700	503		878	1190
64-06-17	0920		250	*	544	77-06-06	1210	40		136	15
64-09-21	1340		71	*	762	77-06-22	1310	2040		1940	10700
64-11-15	2015		774	*	1470	77-06-27	1115	215		160	93
64-11-17	1135		11500	*	534	77-07-21	1330	19		95	4.9
64-11-17	1230		11200	*	747	77-08-04	1340	88		212	50
64-11-18	1130		1070	*	390	77-08-11	1325	2790		3100	23400
65-03-01	1000		1620	*	6640	77-08-11	1610	3150		2170	18500
65-03-17	0230		1070	*	3230	77-08-11	2015	3310		1530	13700
65-04-03	0230		1620	*	5240	77-08-12	0820	1330		946	3400
65-04-06	1840		218	*	348	77-08-12	1010	1020		875	2410
65-05-26	0230		617	*	2420	77-08-12	1230	769		853	1770
65-05-26	0415		942	*	3670	77-08-12	1410	662		808	1440
65-05-26	0815		1560	*	4180	78-03-29	1400	128		92	32
65-06-01	1610		3020	*	3330	78-05-09	1130	138		93	35

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

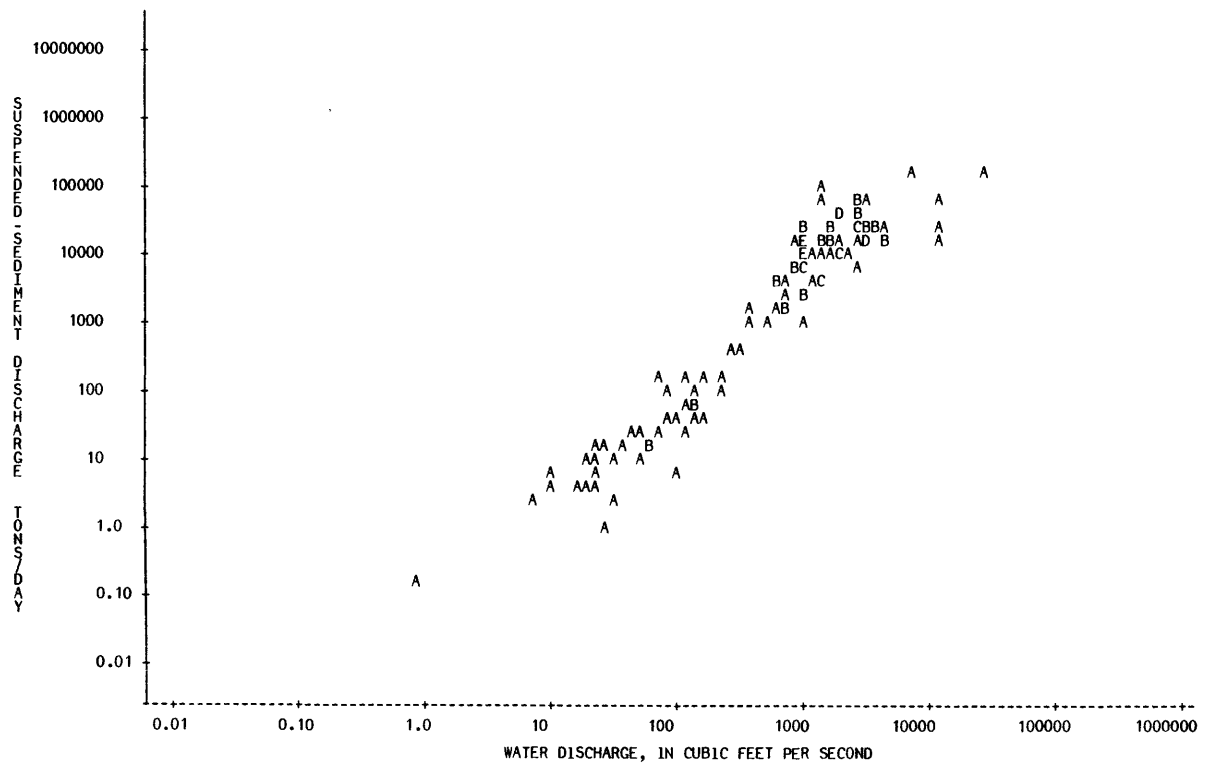
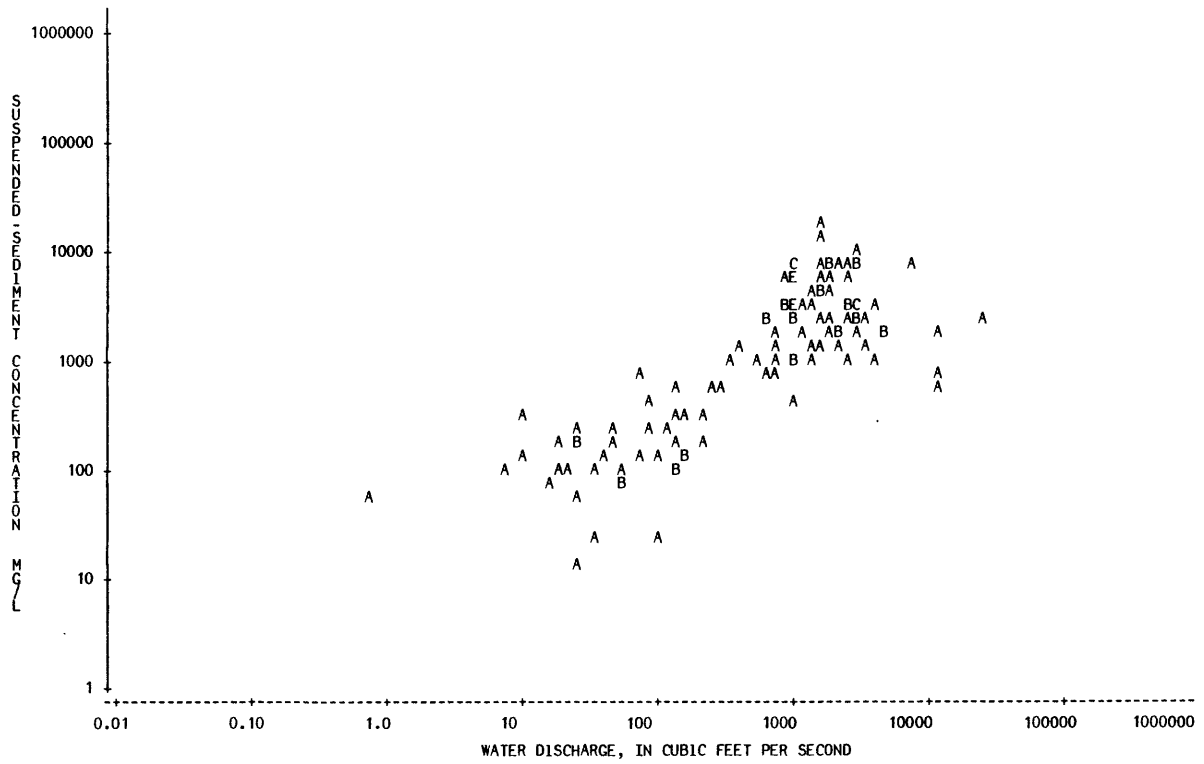
07147070 WHITEWATER RIVER AT TOWANDA, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-05-25	1230	115		230	71
78-06-20	2000	1920		3740	19400
78-06-20	2400	1420		2880	11000
78-06-21	0915	390		1520	1600
78-09-20	1630	101		25	6.8
79-03-08	1050	58		84	13
79-06-28	1115	161		117	51
79-08-02	1040	72		125	24
79-09-13	1300	16		84	3.7
79-11-29	1000	33		26	2.3
80-01-17	0940	26		14	0.98
80-04-10	1030	130		169	59
80-05-09	1140	52		82	12
80-06-23	1200	25		198	13
80-09-10	1535	0.79		62	0.13

\*\*\*\*\*

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07147070 WHITEWATER RIVER AT TOWANDA, KANS.



## ARKANSAS RIVER BASIN

07147800 WALNUT RIVER AT WINFIELD, KANS.

LOCATION.--Lat 37°13'27", long 96°59'40", in SW 1/4 SW 1/4 NE 1/4 sec.33, T.32 S., R.4 E., Cowley County, Hydrologic Unit 11030018, at downstream side of bridge on U.S. Highway 77, 1.0 mi (1.6 km) south of Winfield, 1.0 mi (1.6 km) upstream from Black Creek, and at mile 24.8 (39.9 km).

DRAINAGE AREA.--1,872 mi<sup>2</sup> (4,848 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1943-45, 1961-65, 1968, 1972-74, 1976-77, 1979-80.

REMARKS.--Some regulation at low flow by water works dam and Timber Creek Reservoir. Initial upstream floodwater-retarding structure was completed in October 1965. Construction is continuing with 385 mi<sup>2</sup> (997 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-25			2860	1500	A 11600	45-09-10			44	400	A 48
43-06-30			580	200	A 313	61-04-12	0910	2890		1240	9680
43-07-07			312	100	A 84	61-05-06	1745	56000		1620	245000
43-07-14			265	500	A 358	61-05-07	0945	43800		1180	140000
43-07-22			431	600	A 698	61-05-07	1300	41000		1130	125000
43-08-11			117	300	A 95	61-06-14	1730	3840		1590	16500
44-01-21			66	100	A 18	61-06-29	1940	295		138	110
44-01-26			78	100	A 21	61-07-17	1930	300		296	240
44-02-04			63	100	A 17	61-07-21	1315	2240		392	2370
44-03-01			212	100	A 57	61-07-24	1830	20700		1030	57600
44-03-17			8940	4000	A 96600	61-07-25	0810	22300		752	45300
44-03-28			870	200	A 470	61-08-02	1300	490		308	407
44-04-07			422	100	A 114	61-09-11	1830	460		116	144
44-04-12			23900	1700	A 110000	61-09-14	1410	19200		1340	69500
44-04-22			11300	1200	A 36600	61-10-10	0710	13100		8120	287000
44-04-26			8620	6200	A 144000	61-10-10	1300	20300		4760	261000
44-05-06			1830	1000	A 4940	61-10-11	1315	21400		634	36600
44-05-11			1020	300	A 826	61-10-12	0715	23900		181	11700
44-05-18			582	100	A 157	61-11-02	0710	17700		2290	109000
44-06-03			395	100	A 107	61-11-03	0715	21800		318	18700
44-06-06			290	100	A 78	61-11-17	0715	10700		885	25600
44-06-13			1590	200	A 859	62-01-31	0715	8360		1430	32300
44-06-20			2160	1800	A 10500	63-03-12	0715	2140	*	508	2940
44-07-17			245	100	A 66	63-03-13	1730	1590	*	941	4040
44-08-29			355	100	A 96	63-05-27	0900	3260	*	1590	14000
44-09-19			58	100	A 16	63-05-28	0800	2580	*	2350	16400
44-10-11			175	500	A 236	63-05-29	0900	610	*	668	1100
44-10-17			117	100	A 32	63-07-15	0700	8760	*	1560	36900
44-10-24			80	400	A 86	63-07-17	1040	454	*	220	270
44-10-31			96	300	A 78	64-04-05	0800	2720	*	2050	15100
44-11-08			346	400	A 374	64-04-06	1440	3610	*	2180	21200
44-11-15			85	400	A 92	64-04-06	1715	3280	*	2100	18600
44-11-22			98	400	A 106	64-04-07	1730	820	*	830	1840
44-11-29			300	300	A 243	64-06-18	0725	1680	*	1320	5990
44-12-20			726	200	A 392	64-11-04	1645	7130	*	3140	60400
44-12-28			378	100	A 102	65-03-01	0700	2620	*	3360	23800
45-01-04			335	100	A 90	65-04-03	1820	23200	*	3240	203000
45-01-17			255	200	A 138	65-04-06	1620	8250	*	2200	49000
45-01-24			300	300	A 243	65-06-06	1700	58800	*	2700	429000
45-01-30			260	300	A 211	65-09-01	0700	4870	*	2640	34700
45-02-09			240	300	A 194	65-09-07	1700	14500	*	1410	55200
45-02-15			217	400	A 234	68-04-05	1300	1870	*	2340	11800
45-02-20			208	400	A 225	68-05-25	1030	5140	*	1700	23600
45-02-28			444	200	A 240	68-05-26	0840	6600	*	1260	22500
45-03-09			265	200	A 143	68-09-04	0800	12500	*	2030	68500
45-03-13			235	300	A 190	71-12-15	1150	3220	*	2310	20100
45-03-23			823	500	A 1110	73-02-02	1105	13000		2760	96900
45-04-05			540	200	A 292	74-03-13	1000	8960		557	13500
45-05-10			849	200	A 458	74-05-17	0915	1760		627	2980
45-05-15			696	100	A 188	75-10-22	1545	55		47	7.0
45-05-21			534	100	A 144	76-05-05	1550	557		99	149
45-05-29			384	100	A 104	76-06-03	1315	457		90	111

\*\*\*\*\*  
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ARKANSAS RIVER BASIN

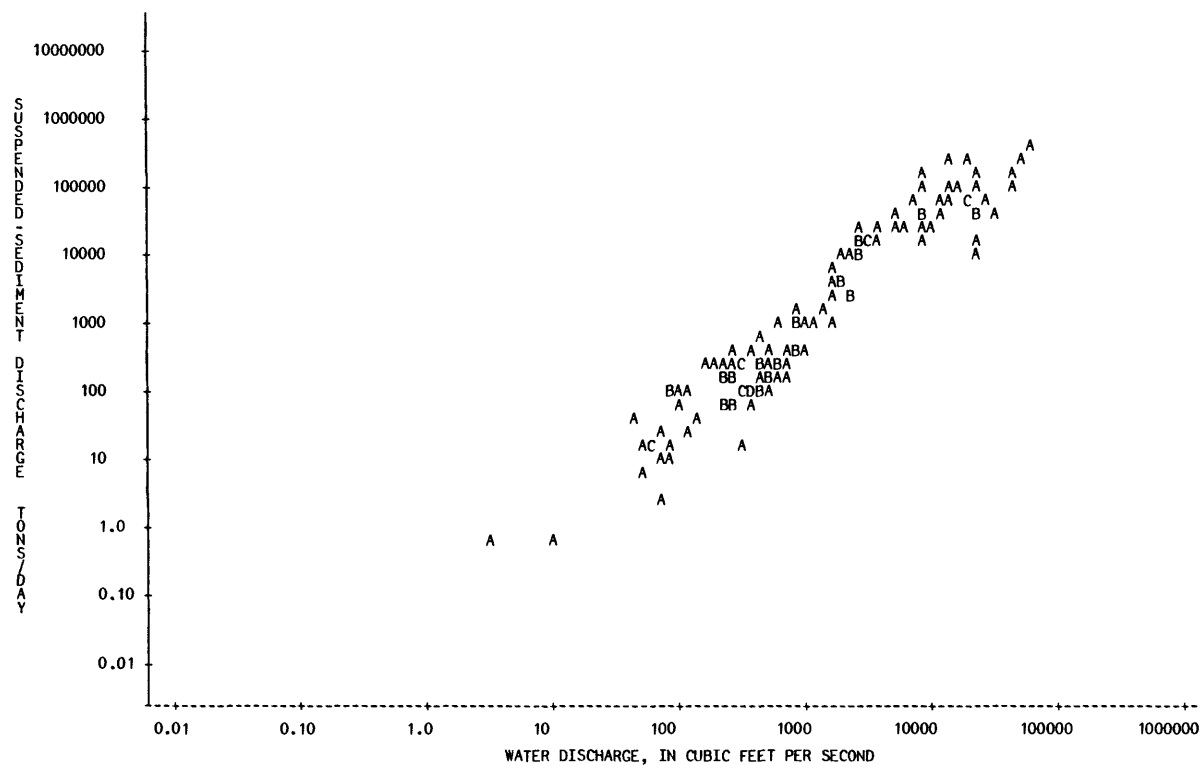
07147800 WALNUT RIVER AT WINFIELD, KANS.--CONTINUED

59

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-04-20	14	30	605	130	212
77-05-27	15	30	1510	451	1840
77-06-23	15	30	26300	1110	78800
77-06-24	09	35	34300	458	42400
77-08-31	15	00	717	124	240
79-03-07	15	15	787	435	924
79-04-11	14	30	550	68	101
79-05-23	15	15	2060	634	3530
79-06-27	15	00	1200	329	1070
79-08-01	15	05	357	75	72
79-09-12	16	50	81	56	12
79-10-23	16	05	90	54	13
79-11-28	09	15	138	89	33
80-01-16	09	00	75	12	2.4
80-02-21	09	10	302	24	20
80-04-09	14	10	1020	127	350
80-05-21	09	30	270	89	65
80-06-27	09	00	74	57	11
80-08-05	15	00	3.0	68	0.55
80-09-09	15	15	9.8	20	0.53

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## ARKANSAS RIVER BASIN

07148400 SALT FORK ARKANSAS RIVER NEAR ALVA, OKLA.

LOCATION.--Lat 36°48'45", long 98°38'50", in SW 1/4 SW 1/4 sec.18, T.27 N., R.13 W., Woods County, Hydrologic Unit 11060002, at bridge on U.S. Highway 281, 19 mi (31 km) upstream from Medicine Lodge River, 1.0 mi (1.6 km) northeast of Alva, and at mile 126.0 (202.7 km).

DRAINAGE AREA.--1,009 mi<sup>2</sup> (2,613 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-52, 1977-78.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-24			1580	7500	A 32000	41-11-14			128	300	A 104
38-06-01			988	7100	A 18900	41-12-02			90	300	A 73
38-06-09			122	500	A 165	42-01-20			83	300	A 67
38-06-20			78	300	A 63	42-04-29			271	700	A 512
38-07-18			326	6300	A 5550	42-06-22			730	12000	A 23700
38-07-26			14	300	A 11	42-06-29			4320	18200	A 212000
38-08-01			3490	21800	A 205000	42-08-12			340	15200	A 14000
38-08-02			9.0	200	A 4.9	42-10-04			3410	16100	A 148000
38-08-15			4400	31500	A 374000	42-10-14			91	200	A 49
38-08-16			1000	9700	A 26200	43-03-15			41	400	A 44
38-08-23			46	300	A 37	43-04-12			136	6400	A 2350
38-08-31			22	100	A 5.9	43-05-10			178	7600	A 3650
38-09-05			536	16100	A 23300	43-05-24			77	1000	A 208
38-09-13			2620	28200	A 199000	43-06-08			49	700	A 93
38-09-26			10.0	100	A 2.7	43-06-27			3.0	200	A 1.6
38-10-03			3.0	200	A 1.6	43-07-18			339	31800	A 29100
38-11-08			12	100	A 3.2	43-07-20			15	600	A 24
38-11-30			2.0	100	A 0.54	43-09-06			3.0	200	A 1.6
38-12-14			3.0	500	A 4.1	43-12-31			3.0	100	A 0.81
38-12-20			3.0	100	A 0.81	44-01-11			1.0	200	A 0.54
38-12-28			1.0	200	A 0.54	44-01-25			29	800	A 63
39-01-10			47	1500	A 190	44-02-25			20	300	A 16
39-01-20			12	100	A 3.2	44-03-23			77	2800	A 582
39-01-30			25	300	A 20	44-03-30			30	100	A 8.1
39-02-16			12	200	A 6.5	44-04-04			27	200	A 15
39-03-02			10.0	200	A 5.4	44-04-10			3670	16000	A 159000
39-06-27			6980	30500	A 575000	44-04-17			93	8600	A 2160
39-07-05			10.0	800	A 22	44-04-22			5760	43000	A 669000
39-08-08			499	30600	A 41200	44-05-05			278	4900	A 3680
39-08-16			43	16200	A 1880	44-05-11			90	400	A 97
40-04-29			133	23800	A 8550	44-05-15			277	2400	A 1790
40-05-18			2050	30100	A 167000	44-05-22			58	100	A 16
40-05-23			22	500	A 30	44-05-29			417	8000	A 9010
40-06-07			199	29200	A 15700	44-06-20			11	100	A 3.0
40-06-10			2080	34600	A 194000	44-07-07			5.0	100	A 1.4
40-06-14			42	600	A 68	44-07-14			33	800	A 71
40-06-24			6.0	300	A 4.9	44-08-28			20	400	A 22
40-07-02			470	27700	A 35200	44-09-29			32	4800	A 415
40-08-03			449	40400	A 49000	44-10-02			230	4200	A 2610
40-08-05			59	11300	A 1800	44-10-07			20	600	A 32
40-08-12			43	1000	A 116	44-10-10			6.0	100	A 1.6
40-08-17			191	14400	A 7430	44-10-11			60	16600	A 2690
40-08-30			1340	30500	A 110000	44-10-17			3.0	300	A 2.4
40-09-03			426	17200	A 19800	44-10-24			2.0	400	A 2.2
40-11-26			344	10500	A 9750	44-10-30			2.0	400	A 2.2
41-02-27			50	500	A 67	44-11-06			7.0	500	A 9.5
41-04-16			323	11200	A 9770	44-11-14			9.0	400	A 9.7
41-09-03			82	2200	A 487	44-11-20			6.0	300	A 4.9
41-09-10			35	1100	A 104	44-11-28			16	200	A 8.6
41-10-10			27	1000	A 73	44-12-06			179	2400	A 1160
41-10-17			62	700	A 117	44-12-11			21	800	A 45
41-10-22			12600	20000	A 680000	44-12-18			41	600	A 66
41-11-04			271	700	A 512	44-12-27			19	700	A 36

\*\*\*\*\*  
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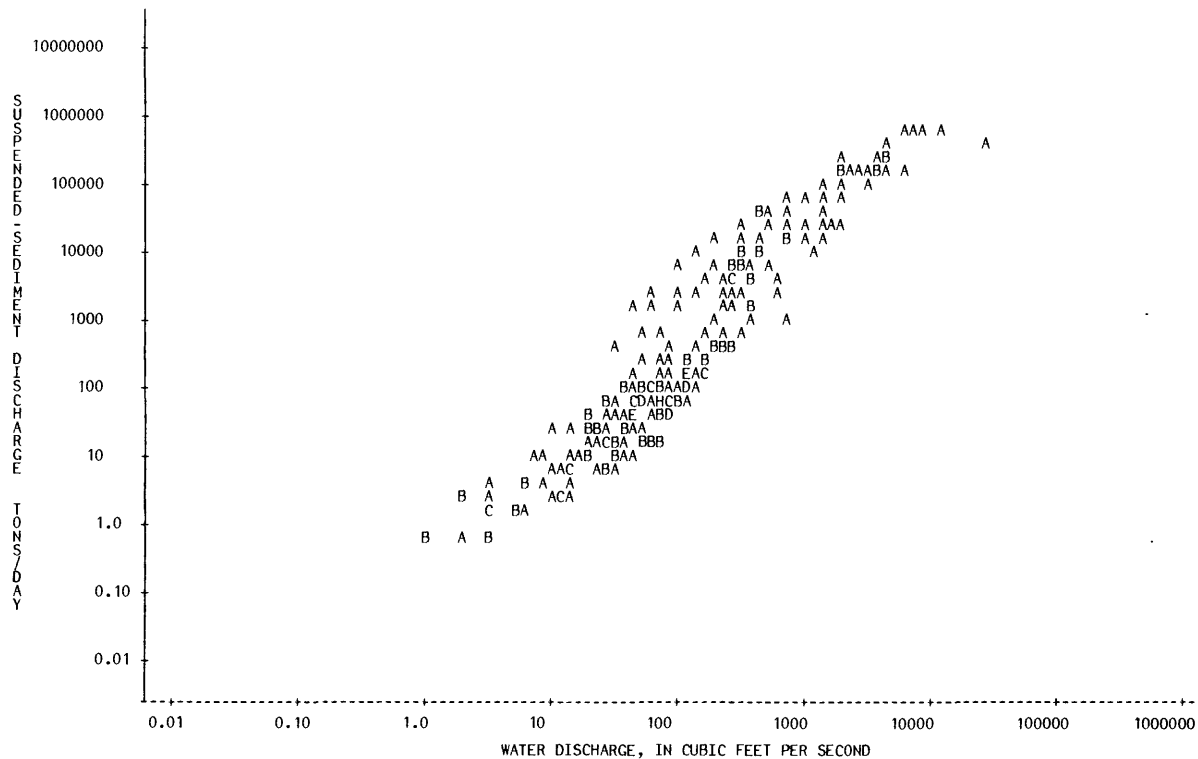
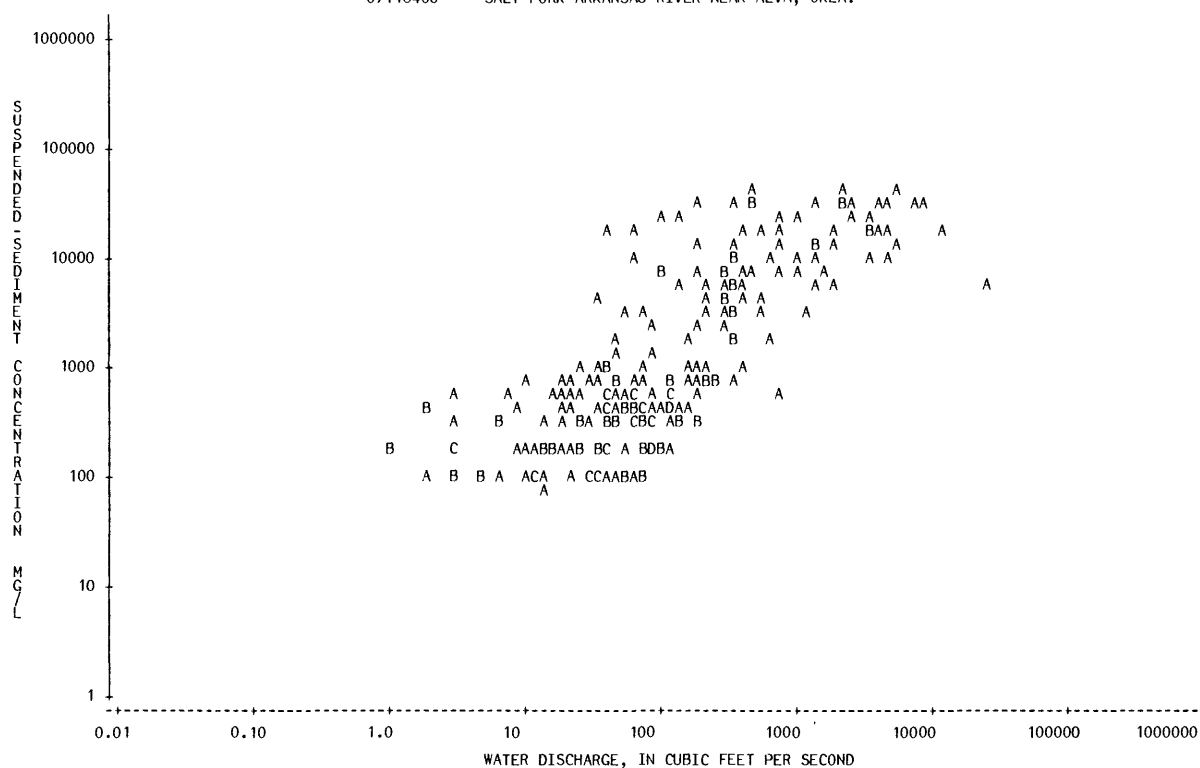
## ARKANSAS RIVER BASIN

07148400 SALT FORK ARKANSAS RIVER NEAR ALVA, OKLA.--CONTINUED

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
+++++												
44-12-30			40	1100	A	49-09-19			178	300	A	144
45-01-03			22	400	A	49-10-10			1970	13600	A	72300
45-01-09			32	100	A	49-10-17			113	400	A	122
45-01-17			24	200	A	49-11-03			84	200	A	45
45-01-25			64	600	A	49-11-15			66	100	A	18
45-01-27			57	500	A	50-01-11			178	500	A	240
45-01-31			34	400	A	50-02-02			84	200	A	45
45-02-06			66	600	A	50-02-08			111	200	A	60
45-02-12			42	400	A	50-02-23			78	400	A	84
45-02-19			29	300	A	50-03-06			71	100	A	19
45-02-27			73	700	A	50-03-27			41	100	A	11
45-03-05			55	400	A	50-04-12			28	100	A	7.6
45-03-13			38	400	A	50-05-15			73	400	A	79
45-03-20			155	1700	A	50-07-12			103	7100	A	1970
45-03-29			40	300	A	50-07-27			273	4800	A	3540
45-04-04			42	300	A	50-08-04			369	1700	A	1690
45-04-10			33	200	A	50-09-07			21	200	A	11
45-04-15			2350	27600	A	50-09-22			18	200	A	9.7
45-04-16			669	9200	A	50-11-27			43	200	A	23
45-04-24			1360	11700	A	51-01-17			50	100	A	13
45-04-30			211	800	A	51-02-01			5.0	100	A	1.4
45-05-07			124	500	A	51-02-08			29	100	A	7.8
45-05-17			68	300	A	51-02-21			70	200	A	38
45-05-22			34	200	A	51-03-02			78	300	A	63
45-05-31			342	6100	A	51-03-12			49	800	A	106
45-06-04			50	400	A	51-03-29			287	7000	A	5420
45-06-10			4150	28600	A	51-04-04			52	400	A	56
45-06-12			375	3800	A	51-04-09			68	400	A	73
45-06-18			68	300	A	51-04-16			37	200	A	20
45-06-26			8830	29300	A	51-04-30			67	500	A	90
45-06-29			187	1000	A	51-05-17			3800	16500	A	169000
45-07-02			81	300	A	51-05-21			395	1100	A	1170
45-07-07			1910	17600	A	51-06-14			223	700	A	421
45-07-13			226	900	A	51-06-18			124	800	A	268
45-07-16			103	400	A	51-06-25			1300	9200	A	32300
45-08-15			48	2000	A	51-06-26			586	2900	A	4590
45-09-27			85	1200	A	51-07-11			175	300	A	142
45-09-30			737	500	A	51-07-25			122	400	A	132
45-10-04			140	400	A	51-08-08			27	500	A	36
46-01-23			42	500	A	51-08-30			15	200	A	8.1
46-02-19			374	6300	A	51-09-06			276	5700	A	4250
46-02-25			72	100	A	51-09-09			289	7900	A	6160
46-03-06			51	100	A	51-09-24			60	300	A	49
46-03-11			34	100	A	51-10-02			35	100	A	9.4
46-04-15			2010	44600	A	77-04-07			1635	14	90	3.5
46-04-17			283	2800	A	77-05-04			1502	151	1010	412
46-05-20			107	21100	A	77-06-07			1535	14	170	6.6
46-05-29			761	26900	A	77-09-07			1647	43	360	42
46-12-21			38	200	A	77-10-11			1527	15	70	2.8
47-01-14			81	600	A							
47-05-02			123	400	A							
47-05-13			326	3400	A							
47-05-22			366	1900	A							
47-06-02			119	400	A							
47-06-09			68	400	A							
47-06-23			163	700	A							
47-07-02			25	300	A							
47-08-26			232	6200	A							
47-12-05			53	3600	A							
48-01-05			13	200	A							
48-02-17			218	3200	A							
48-02-26			72	400	A							
48-04-01			81	200	A							
48-06-22			764	16300	A							
48-06-25			1470	15200	A							
48-07-07			107	200	A							
48-07-22			930	21400	A							
48-07-28			56	200	A							
48-08-10			728	8400	A							
48-08-11			347	3500	A							
48-08-19			323	700	A							
48-08-25			139	300	A							
48-09-13			73	200	A							
48-11-02			118	600	A							
49-02-08			1150	2800	A							
49-02-16			533	4400	A							
49-03-07			152	400	A							
49-03-28			197	700	A							
49-04-06			123	300	A							
49-04-28			458	7300	A							
49-05-05			111	700	A							
49-05-16			26000	6500	A							
49-05-17			4440	11400	A							
49-05-18			1850	6200	A							
49-05-19			3360	10500	A							
49-05-21			1360	5400	A							
49-05-26			605	1600	A							
49-06-14			5860	12200	A							
49-08-04			100	200	A							

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07148400 SALT FORK ARKANSAS RIVER NEAR ALVA, OKLA.



## ARKANSAS RIVER BASIN

07149000 MEDICINE LODGE RIVER NEAR KIOWA, KANS.

LOCATION.--Lat 37°02'17", long 98°28'04", in SE 1/4 SW 1/4 sec.36, T.34 S., R.11 W., Barber County, Hydrologic Unit 11060003, at downstream side of bridge on state Highway 14, 200 ft (61 m) downstream from the Atchison, Topeka and Santa Fe Railway Co. bridge, 1.5 mi (2.4 km) northeast of Kiowa, and at mile 22.2 (35.7 km).

DRAINAGE AREA.--903 mi<sup>2</sup> (2,340 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-50, 1958, 1962-65, 1968, 1976-80.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-25			655	1900	A 3360	41-10-17			51	400	A 55
38-06-01			1010	3300	A 9000	41-10-22			9180	12700	A 315000
38-06-09			159	600	A 258	41-11-04			300	300	A 243
38-06-20			185	1000	A 499	42-01-20			126	200	A 68
38-07-05			76	400	A 82	42-04-29			344	600	A 557
38-07-18			688	5800	A 10800	42-06-22			147	1700	A 675
38-07-25			60	300	A 49	42-06-29			5960	12200	A 196000
38-08-16			2410	6300	A 41000	42-06-30			1370	5900	A 21800
38-08-23			74	200	A 40	42-10-04			4900	11600	A 153000
38-09-13			894	8900	A 21500	42-10-13			132	200	A 71
38-09-19			26	100	A 7.0	42-10-27			139	100	A 38
38-11-08			64	200	A 35	43-03-15			85	400	A 92
38-11-14			52	100	A 14	43-04-12			247	5200	A 3470
38-11-30			60	200	A 32	43-06-08			67	6200	A 1120
38-12-14			35	100	A 9.4	43-06-18			155	4900	A 2050
38-12-21			60	300	A 49	43-06-22			37	300	A 30
38-12-29			24	200	A 13	43-07-07			86	7100	A 1650
39-01-04			82	200	A 44	43-07-20			19	400	A 21
39-01-10			93	4600	A 1160	43-09-06			152	6400	A 2630
39-01-20			61	100	A 16	43-10-26			112	1500	A 454
39-01-30			76	200	A 41	43-11-03			34	200	A 18
39-02-06			56	100	A 15	43-11-18			34	200	A 18
39-02-16			65	400	A 70	44-01-11			59	500	A 80
39-02-23			40	100	A 11	44-01-18			103	200	A 56
39-03-02			55	200	A 30	44-01-25			89	500	A 120
39-06-27			91	3600	A 885	44-03-06			79	300	A 64
39-07-05			5.0	300	A 4.1	44-03-16			328	5000	A 4430
40-02-28			74	500	A 100	44-03-23			135	1000	A 364
40-03-08			56	200	A 30	44-03-30			90	400	A 97
40-03-14			38	100	A 10	44-04-04			72	200	A 39
40-04-10			58	200	A 31	44-04-10			5250	12000	A 170000
40-04-18			1600	22000	A 95000	44-04-17			139	200	A 75
40-04-22			99	600	A 160	44-04-22			7850	26200	A 555000
40-04-29			108	400	A 117	44-05-04			926	1300	A 3250
40-05-13			74	500	A 100	44-05-08			296	600	A 480
40-05-23			107	1400	A 404	44-05-15			474	2700	A 3460
40-05-31			52	600	A 84	44-05-22			158	200	A 85
40-06-07	0001	4890	21200	A 280000		44-06-06			98	100	A 26
40-06-07	0002	4560	18200	A 224000		44-06-13			194	1300	A 681
40-06-14			118	500	A 159	44-06-20			37	100	A 10
40-06-19			57	200	A 31	44-06-30			16	200	A 8.6
40-08-03			587	9200	A 14600	44-07-07			5.0	200	A 2.7
40-08-05			45	900	A 109	44-07-14			65	1600	A 281
40-08-12			5.0	100	A 1.4	44-08-16			40	100	A 11
40-09-03			3.0	400	A 3.2	44-08-17			273	10700	A 7890
40-11-26			100	1400	A 378	44-08-21			34	200	A 18
41-01-03			50	200	A 27	44-08-29			127	500	A 171
41-01-15			95	500	A 128	44-09-19			15	100	A 4.0
41-01-26			96	700	A 181	44-09-29			148	4300	A 1720
41-01-31			63	800	A 136	44-10-02			419	4800	A 5430
41-02-27			78	200	A 42	44-10-07			129	1200	A 418
41-04-21			69	1300	A 242	44-10-11			193	2000	A 1040
41-10-11			36	300	A 29	44-10-17			52	400	A 56

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

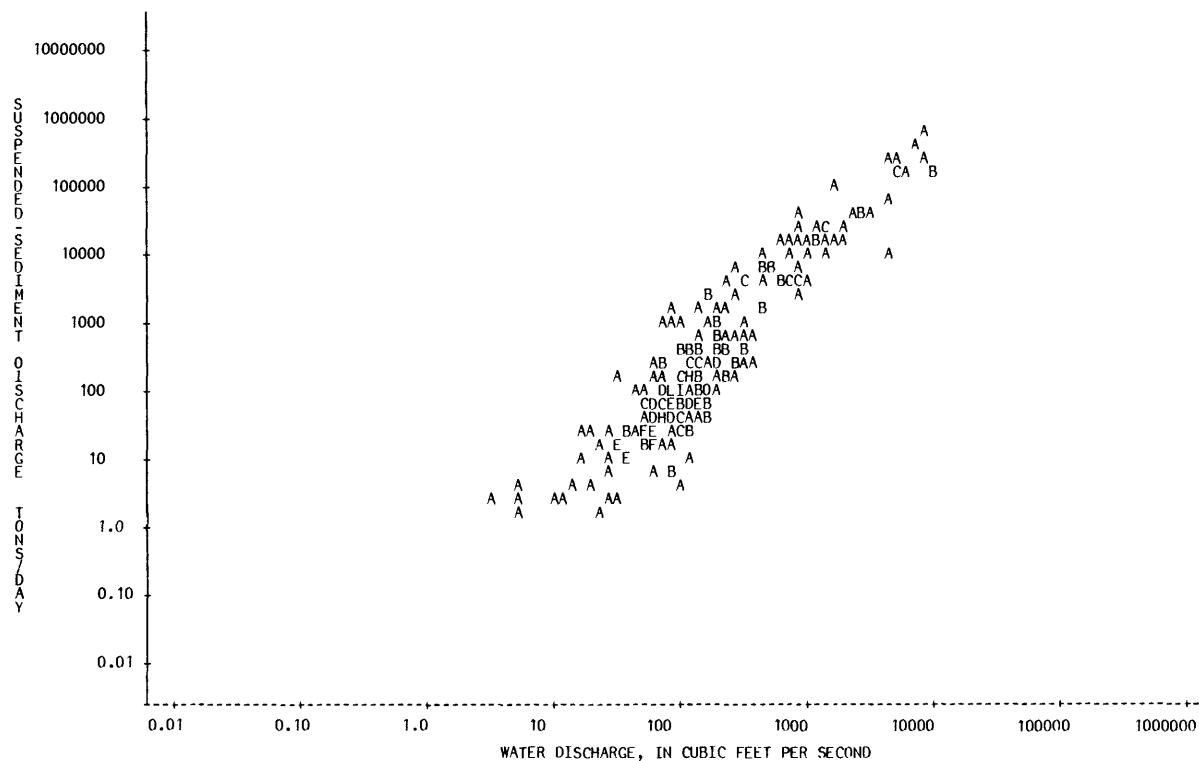
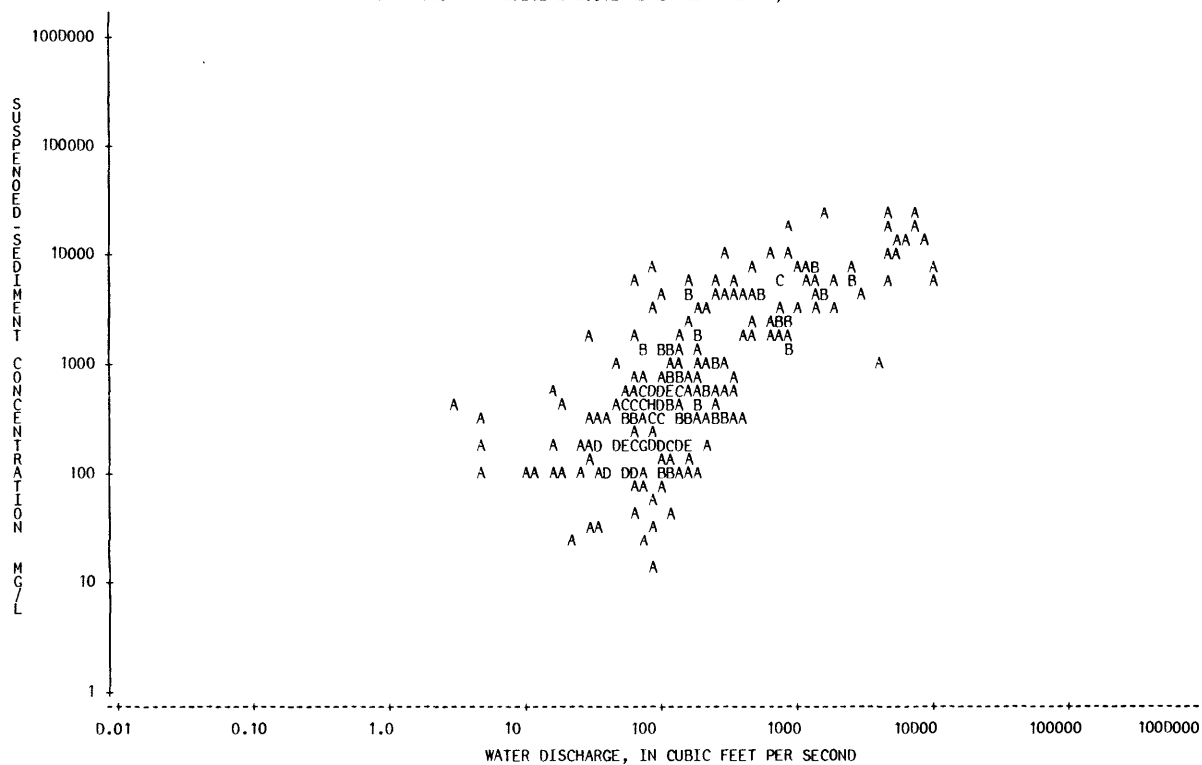
07149000 MEDICINE LODGE RIVER NEAR KIOWA, KANS.--CONTINUED

65

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-10-24			46	200	A 25	48-07-07			126	200	A 68
44-10-30			48	200	A 26	48-07-12			94	100	A 25
44-11-07			71	200	A 38	48-07-28			88	400	A 95
44-11-14			55	300	A 45	48-08-11			433	1700	A 1990
44-11-20			62	400	A 67	48-08-19			240	*	300 A 194
44-11-28			77	800	A 166	48-08-25			110	100	A 30
44-12-05			555	4600	A 6890	48-09-13			61	100	A 16
44-12-06			241	1100	A 716	49-02-10			1370	2800	A 10400
44-12-11			112	800	A 242	49-02-17			1270	4800	A 16500
44-12-18			105	300	A 85	49-03-07			206	*	200 A 111
44-12-27			58	400	A 63	49-03-28			224	300	A 181
44-12-30			122	1200	A 395	49-04-19			113	100	A 31
45-01-04			31	200	A 17	49-04-27			1040	6800	A 19100
45-01-09			75	400	A 81	49-05-05			191	400	A 206
45-01-17			74	400	A 80	49-05-17			10100	7100	A 194000
45-01-25			124	500	A 167	49-05-18			1480	4400	A 17600
45-01-27			127	500	A 171	49-05-19			5560	10900	A 164000
45-01-30			113	600	A 183	49-05-20			1890	3400	A 17400
45-02-06			103	400	A 111	49-05-26			817	1200	A 2650
45-02-12			90	400	A 97	49-06-14			1920	5700	A 29500
45-02-27			151	700	A 285	49-08-04			156	200	A 84
45-03-05			122	500	A 165	49-09-19			250	300	A 202
45-03-13			92	400	A 99	49-10-14			205	500	A 277
45-03-15			916	16700	A 41300	49-11-02			142	300	A 115
45-03-20			253	1100	A 751	49-11-15			130	200	A 70
45-03-29			97	400	A 105	50-01-11			200	300	A 162
45-04-04			104	300	A 84	50-02-01			149	200	A 80
45-04-10			86	300	A 70	50-02-08			154	300	A 125
45-04-12			112	1000	A 302	50-02-23			130	700	A 246
45-04-15			7590	18800	A 385000	50-03-06			123	400	A 133
45-04-16			1230	5500	A 18300	50-03-28			93	200	A 50
45-04-24			752	2400	A 4870	50-04-12			79	100	A 21
45-04-30			761	2000	A 4110	50-05-15			108	500	A 146
45-05-07			376	300	A 305	50-05-31			59	100	A 16
45-05-17			174	100	A 47	50-06-14			34	200	A 18
45-05-23			313	4400	A 3720	50-06-26			12	100	A 3.2
45-05-31			432	8200	A 9560	50-07-12			114	200	A 62
45-06-04			111	400	A 120	50-07-27			67	400	A 72
45-06-12			220	3100	A 1840	50-08-04			298	1100	A 885
45-06-18			95	400	A 103	50-09-07			80	200	A 43
45-06-29			76	600	A 123	50-09-21			57	100	A 15
45-07-03			58	300	A 47	58-05-05			1610	200	2900 1570
45-07-09			69	1300	A 242	62-05-31			2130	1300	8190 28700
45-07-16			95	500	A 128	62-05-31			2330	2700	6060 44200
45-07-30			10.0	100	A 2.7	63-06-23			1645	3030	* 4480 36700
45-09-27			362	700	A 684	64-11-17			1100	847	* 2160 4940
45-09-28			9580	6200	A 160000	65-03-16			0915	79	* 27 5.8
45-09-30			852	1700	A 3910	65-05-15			0300	780	* 6180 13000
45-10-04			278	300	A 225	65-05-19			0900	2700	* 6900 50300
45-10-15			521	3800	A 5350	65-06-05			1615	4540	* 5220 64000
46-01-22			83	200	A 45	65-06-06			1015	4240	* 1070 12200
46-02-18			121	500	A 163	68-05-07			0500	790	* 3160 6740
46-02-25			141	500	A 190	68-05-07			1210	1550	* 4120 17200
46-03-05			106	300	A 86	68-05-08			1210	412	* 1600 1780
46-03-11			91	400	A 98	68-06-12			1130	88	* 492 117
46-03-25			126	800	A 272	68-08-11			1400	790	* 6220 13300
46-04-16			466	4500	A 5660	68-09-06			1125	68	* 258 47
46-04-23			87	200	A 47	75-10-02			0955	28	147 11
46-05-20			260	3700	A 2600	75-11-12			1015	80	63 14
46-06-03			82	500	A 111	76-04-20			1320	264	446 318
46-11-27			81	400	A 87	77-02-03			1410	93	15 3.8
46-12-21			86	500	A 116	77-04-07			1015	74	70 14
47-01-15			140	400	A 151	77-05-05			0950	89	275 66
47-01-28			71	200	A 38	77-05-22			1500	218	610 359
47-02-25			29	300	A 23	77-09-14			1045	878	2130 5050
47-03-11			81	300	A 66	77-10-06			0930	70	192 36
47-03-20			144	300	A 117	77-11-09			1445	101	78 21
47-04-02			83	300	A 67	78-06-09			0900	330	367 327
47-04-15			717	2400	A 4650	78-12-06			1430	66	116 21
47-05-05			165	100	A 45	79-01-10			1200	29	30 2.3
47-05-13			327	3900	A 3440	79-02-21			1530	112	40 12
47-05-22			594	2200	A 3530	79-03-08			1530	118	143 46
47-06-02			198	400	A 214	79-04-19			1500	101	167 46
47-06-09			103	200	A 56	79-05-31			1330	104	146 41
47-06-23			181	800	A 391	79-06-21			1230	66	75 13
47-07-01			48	200	A 26	79-07-12			1500	51	159 22
47-07-17			19	100	A 5.1	79-08-09			1000	34	30 2.8
47-08-26			197	1800	A 957	79-10-18			1500	30	1880 152
47-11-04			17	500	A 23	79-11-16			1000	162	173 76
47-11-21			49	400	A 53	79-12-18			1250	65	44 7.7
47-12-05			154	2600	A 1080	80-01-16			1430	87	34 8.0
47-12-16			92	500	A 124	80-02-21			1630	163	134 59
48-01-05			135	700	A 255	80-03-26			1430	148	164 66
48-01-13			60	200	A 32	80-05-23			1030	242	596 389
48-02-17			203	1100	A 603	80-06-19			1300	193	506 264
48-02-26			128	200	A 69	80-07-23			1300	22	25 1.5
48-03-31			156	300	A 126						
48-06-22			1440	7000	A 27200						

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07149000 MEDICINE LODGE RIVER NEAR KIOWA, KANS.



## ARKANSAS RIVER BASIN

07149500 SALT FORK ARKANSAS RIVER NEAR CHEROKEE, OKLA.

LOCATION.--Lat 36°49'06", long 98°19'08", in SW 1/4 NW 1/4 sec.18, T.27 N., R.10 W., Alfalfa County, Hydrologic Unit 11060004, 0.7 mi (1.1 km) downstream from Medicine Lodge River, 4.0 mi (6.4 km) northeast of Cherokee, and at mile 106.3 (171.0 km).

DRAINAGE AREA.--2,439 mi<sup>2</sup> (6,317 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1941-50.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-02-27			106	400	A 114	44-05-01			3100	7600	A 63600
41-03-13			192	600	A 311	44-05-16			550	2300	A 3420
41-03-25			84	200	A 45	44-05-29			1580	2900	A 12400
41-04-02			88	300	A 71	44-06-02			285	300	A 231
41-04-21			248	1700	A 1140	44-06-07			137	300	A 111
41-05-07			1420	4900	A 18800	44-06-12			100	100	A 27
41-05-15			267	400	A 288	44-06-20			39	200	A 21
41-06-11			3850	10800	A 112000	44-06-30			3.0	200	A 1.6
41-06-12			1320	4200	A 15000	44-07-07	0001		20	200	A 11
41-06-25			262	3200	A 2260	44-07-07	0002		26	400	A 28
41-07-18		2.0	300	300	A 1.6	44-07-20			26	400	A 28
41-09-11			34	1400	A 129	44-07-26			21	900	A 51
41-09-17			81	4200	A 919	44-08-21			19	500	A 26
41-10-18			100	1000	A 270	44-08-29			182	1500	A 737
41-10-23			1300	8100	A 28400	44-09-12			15	300	A 12
41-11-15			372	400	A 402	44-09-18			4.0	200	A 2.2
42-01-20			234	300	A 190	44-09-29			300	310	A 251
42-04-10			479	2700	A 3490	44-10-03			990	3700	A 9890
42-04-15			240	700	A 454	44-10-06			354	2100	A 2010
42-04-30			754	900	A 1830	44-10-10	0001		100	1300	A 351
42-06-23			799	10200	A 22000	44-10-10	0002		185	1100	A 549
42-06-30	0001		6040	8100	A 132000	44-10-18			45	600	A 73
42-06-30	0002		4830	6900	A 90000	44-10-24			39	500	A 53
42-08-12			249	5300	A 3560	44-10-30			36	400	A 39
42-10-04			7970	11600	A 250000	44-11-08			71	600	A 115
42-10-13			261	400	A 282	44-11-15			47	600	A 76
42-10-27			245	300	A 198	44-11-21			50	300	A 40
43-03-15			122	700	A 231	44-11-24			50	300	A 40
43-04-12			458	8100	A 10000	44-12-05			1200	6200	A 20100
43-05-10			335	7300	A 6600	44-12-07			449	1800	A 2180
43-05-19			1530	10100	A 41700	44-12-11			190	700	A 359
43-05-25			180	800	A 389	44-12-19			130	500	A 175
43-06-07			107	900	A 260	44-12-28			77	900	A 187
43-06-18			181	5900	A 2880	44-12-30			162	800	A 350
43-06-28		4.0	300	300	A 3.2	45-01-04			50	300	A 40
43-07-20			24	3900	A 253	45-01-10			95	200	A 51
43-09-16			174	10900	A 5120	45-01-18			135	400	A 146
43-10-25			232	8300	A 5200	45-01-26			195	500	A 263
43-11-22			13	300	A 11	45-01-27			202	600	A 327
43-12-31		10.0	100	100	A 2.7	45-01-31			169	400	A 183
44-01-12			35	500	A 47	45-02-05			213	800	A 460
44-01-25			104	900	A 253	45-02-13			124	500	A 167
44-02-25			67	300	A 54	45-02-20			115	400	A 124
44-03-06			92	500	A 124	45-02-28			214	1000	A 578
44-03-17			368	4900	A 4870	45-03-05			179	600	A 290
44-03-23			204	1000	A 551	45-03-12			128	400	A 138
44-03-31			103	500	A 139	45-03-15			2080	12800	A 71900
44-04-04			95	300	A 77	45-03-20			1040	5500	A 15400
44-04-11			7500	10900	A 221000	45-03-30			154	300	A 125
44-04-17			277	900	A 673	45-04-02			134	300	A 109
44-04-22			13200	23000	A 820000	45-04-09			125	200	A 67
44-04-23			9410	7400	A 188000	45-04-13			179	400	A 193
44-04-24			2530	7700	A 52600	45-04-16			6960	7100	A 133000

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07149500 SALT FORK ARKANSAS RIVER NEAR CHEROKEE, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
45-04-25			2390	3300	A	21300	48-01-14		30	300	A	24
45-05-01			3040	3200	A	26300	48-02-02		27	100	A	7.3
45-05-02			2090	3400	A	19200	48-02-17		109	200	A	59
45-05-08			459	700	A	868	48-02-26		177	400	A	191
45-05-16			277	400	A	299	48-03-31		250	400	A	270
45-05-23			391	2600	A	2740	48-04-07		175	200	A	94
45-05-31			1130	13600	A	41500	48-04-19		103	100	A	29
45-06-05			154	500	A	208	48-05-04		91	200	A	49
45-06-11			1760	13000	A	61800	48-05-19		24	300	A	19
45-06-13			628	3600	A	6100	48-06-04		4.0	400	A	4.3
45-06-19			158	400	A	171	48-06-14		14	100	A	3.8
45-06-26			8400	34600	A	785000	48-06-21		1560	10900	A	45900
45-06-29			412	1700	A	1890	48-06-25		450	1600	A	1940
45-07-02			168	500	A	227	48-06-27		3080	17700	A	147000
45-07-09			514	2400	A	3330	48-06-29		5630	6700	A	102000
45-07-19			214	500	A	289	48-07-21		406	1100	A	1210
45-08-07			4.0	200	A	2.2	48-07-28		179	300	A	145
45-08-15			96	10900	A	2830	48-08-09		580	2900	A	4540
45-08-22			2.0	300	A	1.6	48-08-20		596	700	A	1130
45-08-23			1.0	200	A	0.54	48-08-25		306	100	A	83
45-09-25			4990	5000	A	67400	48-09-13		150	300	A	121
45-09-26			1090	4500	A	13200	48-09-29		43	100	A	12
45-09-29			8260	4600	A	103000	48-10-25		58	100	A	16
45-09-30			2320	20600	A	129000	48-11-23		111	100	A	30
45-10-04			537	1000	A	1450	48-12-08		167	200	A	90
45-10-10			257	300	A	208	49-01-04		160	400	A	173
45-10-16			791	4100	A	8760	49-02-12		3500	2600	A	24600
45-11-13			117	200	A	63	49-02-16		1890	2100	A	10700
45-11-19			103	200	A	56	49-03-08		564	400	A	609
45-11-28			127	300	A	103	49-03-20		305	200	A	165
45-12-05			106	400	A	114	49-03-28		545	700	A	1030
45-12-10			42	300	A	34	49-04-19		189	100	A	51
45-12-17			43	300	A	35	49-05-05		384	800	A	829
45-12-27			81	300	A	66	49-05-17		29600	6700	A	535000
46-01-02			209	500	A	282	49-05-18		9240	4600	A	115000
46-01-11			152	400	A	164	49-05-19		13800	12500	A	466000
46-01-15			114	500	A	154	49-05-20		5580	3800	A	57300
46-01-23			121	600	A	196	49-05-27		1410	1500	A	5710
46-01-30			134	700	A	253	49-08-02		842	1000	A	2270
46-02-05			109	600	A	177	49-08-14		12800	8300	A	287000
46-02-19			273	1000	A	737	49-12-06		199	300	A	161
46-02-27			185	300	A	150						
46-03-06			160	200	A	86						
46-03-12			125	200	A	67						
46-03-19			123	100	A	33						
46-03-26			164	700	A	310						
46-04-01			116	200	A	63						
46-04-11			78	100	A	21						
46-04-16			1630	9100	A	40000						
46-04-18			401	1900	A	2060						
46-04-24			147	500	A	198						
46-04-30			86	100	A	23						
46-05-10			2580	25200	A	176000						
46-05-14			107	300	A	87						
46-05-21			304	3500	A	2870						
46-05-29			1530	16600	A	68600						
46-06-01			295	2400	A	1910						
46-06-04			143	600	A	232						
46-06-13			32	400	A	35						
46-06-19			1440	23600	A	91800						
46-06-27			7.0	300	A	5.7						
46-06-30			9.0	300	A	7.3						
46-10-18			16	400	A	17						
46-11-27			89	400	A	96						
46-12-21			120	300	A	97						
47-01-15			237	500	A	320						
47-01-29			105	200	A	57						
47-02-12			72	200	A	39						
47-02-26			46	100	A	12						
47-03-19			317	400	A	342						
47-04-10			6510	10700	A	188000						
47-04-18			1020	1100	A	3030						
47-05-02			390	300	A	316						
47-05-08			262	500	A	354						
47-05-14			616	3500	A	5820						
47-05-22			2190	4000	A	23700						
47-05-28			1150	2600	A	8070						
47-06-03			367	700	A	694						
47-06-09			233	400	A	252						
47-07-01			82	300	A	66						
47-07-17			15	400	A	16						
47-07-29			4.0	400	A	4.3						
47-08-18			72	1000	A	194						
47-08-26			345	16900	A	15700						
47-11-21			12	200	A	6.5						
47-12-05			368	3200	A	2320						
47-12-08			63	900	A	153						
47-12-16			31	300	A	25						
48-01-05			70	400	A	76						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

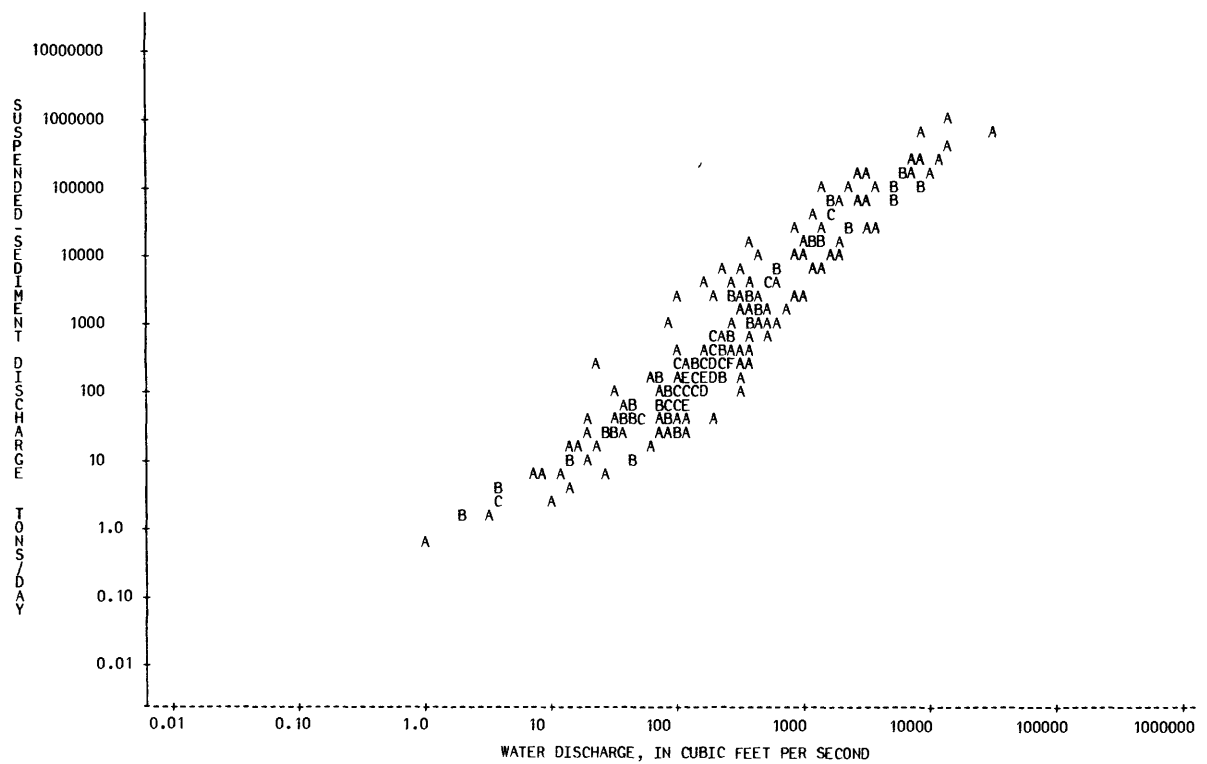
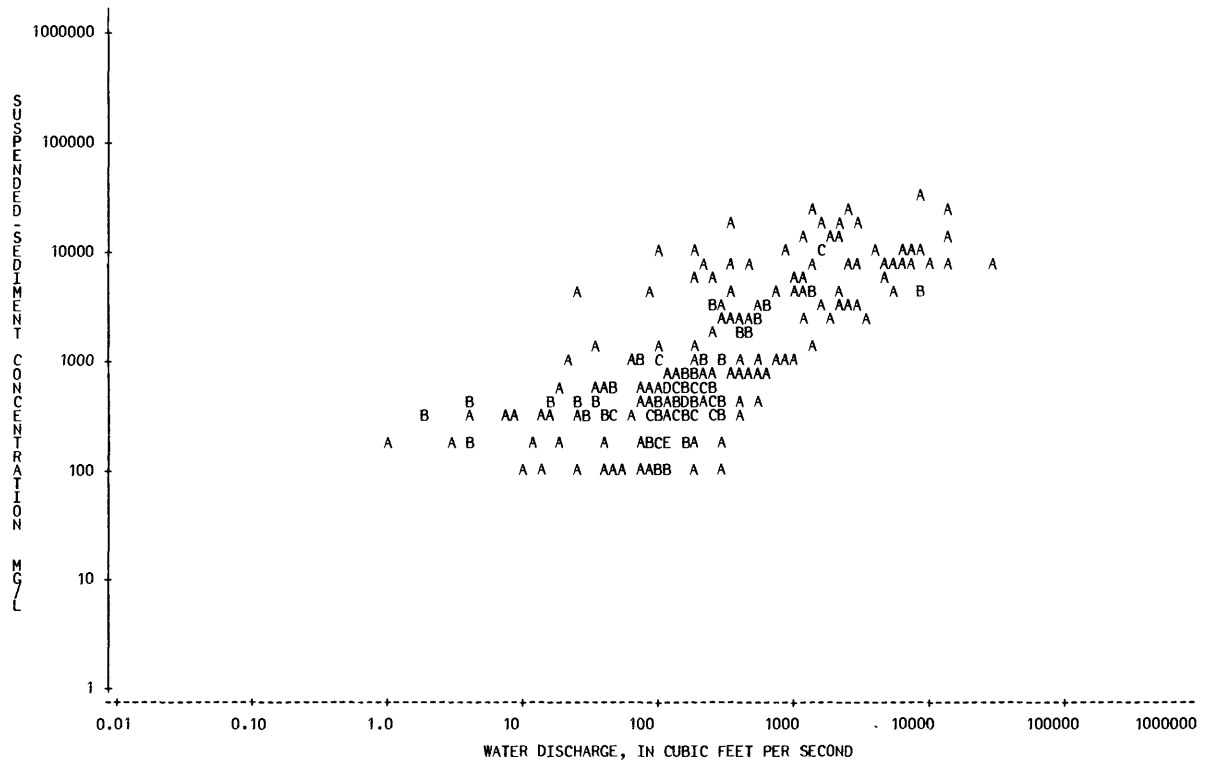
\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07149500 SALT FORK ARKANSAS RIVER NEAR CHEROKEE, OKLA.



## ARKANSAS RIVER BASIN

07150000 GREAT SALT PLAINS LAKE NEAR JET, OKLA.

LOCATION.--Lat 36°44'40", long 98°08'08", in NW 1/4 SE 1/4 sec.11, T.26 N., R.9 W., Alfalfa County, Hydrologic Unit 11060004, on Salt Fork Arkansas River, 4.5 mi (7.2 km) upstream from Wagon Creek, 5.5 mi (8.8 km) northeast of Jet, and at mile 103.3 (166.2 km).

DRAINAGE AREA.--3,200 mi<sup>2</sup> (8,288 km<sup>2</sup>), of which 8 mi<sup>2</sup> (20.7 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1949-51, 1955, 1957.

REMARKS.--Reservoir operation began in May 1941, flow completely regulated thereafter. Suspended-sediment samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-06-15			11	100	A 3.0	55-06-25			2620	70	A 495
49-06-16			11	100	A 3.0	55-06-26			2140	60	A 347
49-06-17			11	200	A 5.9	55-06-27			1950	60	A 316
49-06-18			11	200	A 5.9	55-06-28			1860	20	A 100
49-06-19			11	100	A 3.0	55-06-29			1330	70	A 251
49-06-21			11	100	A 3.0	55-06-30			988	210	A 560
49-06-24			522	100	A 141	55-07-01			672	140	A 254
49-07-09			780	100	A 211	55-07-02			610	160	A 264
49-09-06			248	100	A 67	55-07-03			545	240	A 353
49-09-09			213	200	A 115	55-07-04			539	70	A 102
49-09-10			226	200	A 122	57-04-22			1490	150	A 603
49-09-11			248	100	A 67	57-04-25			2960	70	A 559
49-09-12			213	100	A 58	57-04-26			2600	80	A 562
50-08-06			2860	90	A 695	57-04-27			2160	170	A 991
51-05-17			3140	420	A 3560	57-04-28			1760	120	A 570
51-05-18			6350	210	A 3600	57-04-29			1440	100	A 389
51-05-19			6730	220	A 4000	57-04-30			1240	90	A 301
51-05-20			6730	240	A 4360	57-05-01			1040	80	A 225
51-05-21			6540	210	A 3710	57-05-03			1280	90	A 311
51-05-23			6550	220	A 3890	57-05-04			1360	120	A 441
51-05-24			6350	160	A 2740	57-05-05			1320	110	A 392
51-05-25			5950	60	A 964	57-05-06			1200	70	A 227
51-05-27			5020	160	A 2170	57-05-11			1080	90	A 262
51-05-28			4670	220	A 2770	57-05-12			1400	200	A 756
51-05-29			4330	260	A 3040	57-05-13			2160	90	A 525
51-05-30			3840	160	A 1660	57-05-14			3270	40	A 353
51-05-31			3360	170	A 1540	57-05-15			3620	60	A 586
51-06-01			2960	40	A 320	57-05-16			4500	170	A 2070
51-06-05			1520	130	A 534	57-05-17			8220	80	A 1780
51-06-06			1300	40	A 140	57-05-18			9820	70	A 1860
51-06-07			1260	80	A 272	57-05-19			9540	80	A 2060
51-06-08			1800	90	A 437	57-05-20			8980	40	A 970
51-06-09			2450	160	A 1060	57-05-21			8200	360	A 7970
51-06-10			2240	120	A 726	57-05-22			7720	60	A 1250
51-06-11			2100	120	A 680	57-05-23			7040	40	A 760
55-05-28			892	430	A 1040	57-05-24			6400	70	A 1210
55-05-29			833	120	A 270	57-05-25			6200	60	A 1000
55-05-30			646	130	A 227	57-05-26			6400	60	A 1040
55-05-31			527	90	A 128	57-05-27			6000	40	A 648
55-06-01			461	110	A 137	57-05-28			5460	20	A 295
55-06-02			329	100	A 89	57-05-29			4960	50	A 670
55-06-03			335	100	A 90	57-05-30			4340	50	A 586
55-06-11			389	80	A 84	57-05-31			3900	50	A 527
55-06-12			289	90	A 70	57-06-01			3620	50	A 489
55-06-13			198	60	A 32	57-06-02			3350	160	A 1450
55-06-17			395	60	A 64	57-06-03			2960	80	A 639
55-06-18			1140	110	A 339	57-06-04			2540	40	A 274
55-06-19			3230	70	A 610	57-06-05			2220	40	A 240
55-06-20			4540	60	A 735	57-06-06			1910	40	A 206
55-06-21			4540	70	A 858	57-06-07			1620	60	A 262
55-06-22			4090	50	A 552	57-06-09			1630	20	A 88
55-06-23			3670	30	A 297	57-06-10			2160	70	A 408
55-06-24			3150	70	A 595	57-06-11			2320	50	A 313

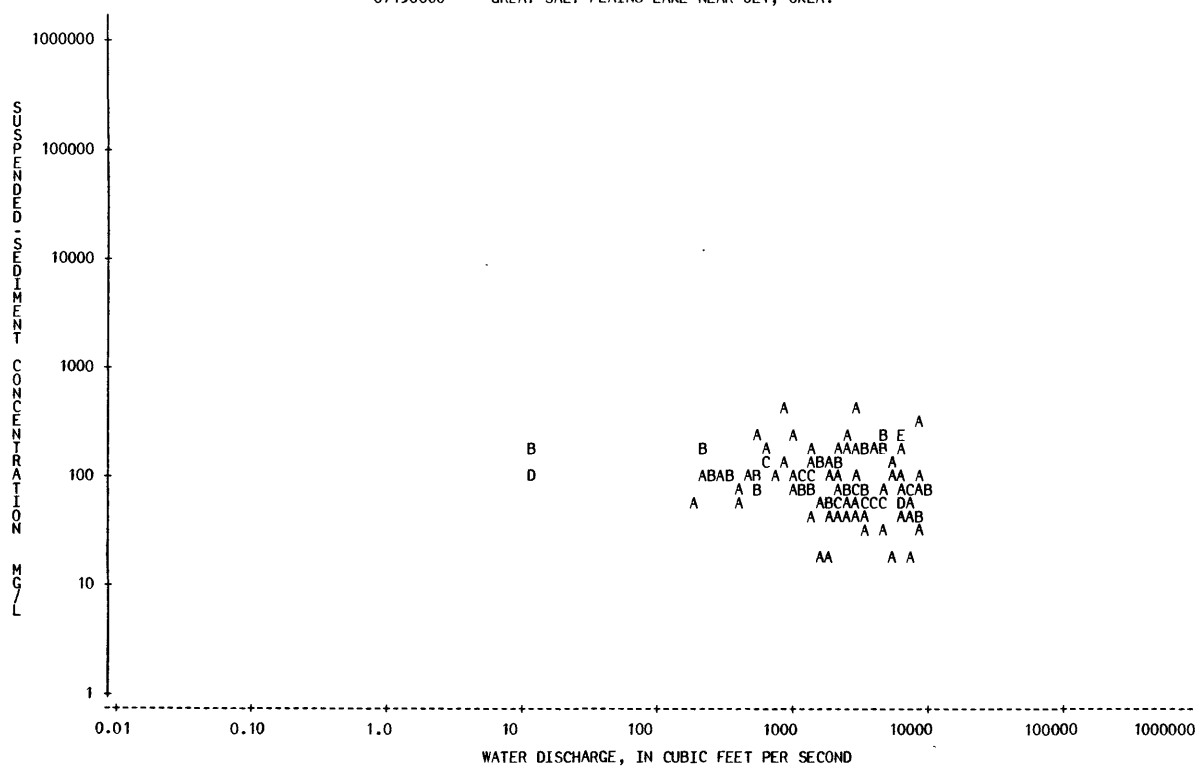
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-06-12			2060	60	A 334
57-06-13			3120	60	A 505
57-06-14			3760	60	A 609
57-06-15			3480	50	A 470
57-06-16			2960	160	A 1280
57-06-17			2540	210	A 1440
57-06-18			2380	60	A 386
57-06-28			6400	50	A 864
57-06-29			7720	80	A 1670
57-06-30			7960	80	A 1720
57-07-01			8200	90	A 1990
57-07-02			8460	40	A 914
57-07-03			8460	30	A 685
57-07-04			7960	20	A 430
57-07-05			7260	80	A 1570
57-07-06			6600	100	A 1780
57-07-07			5820	100	A 1570
57-07-08			5120	120	A 1660
57-07-09			4490	30	A 364
57-07-11			3280	70	A 620
57-07-14			1760	60	A 285
57-07-15			1440	70	A 272
57-07-16			1160	110	A 345
57-07-19			608	120	A 197
57-07-20			584	80	A 126

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07150000 GREAT SALT PLAINS LAKE NEAR JET, OKLA.



## ARKANSAS RIVER BASIN

07150500 SALT FORK ARKANSAS RIVER NEAR JET, OKLA.

LOCATION.--Lat 36°45'11", long 98°07'44", in NE 1/4 NE 1/4 sec.11, T.26 N., R.9 W., Alfalfa County, Hydrologic Unit 11060004, near center of span on downstream side of county road bridge, 0.6 mi (0.97 km) downstream from Great Salt Plains Dam, 4 mi (6.4 km) upstream from Wagon Creek, 6 mi (9.7 km) northeast of Jet, and at mile 102.7 (165.2 km).

DRAINAGE AREA.--3,202 mi<sup>2</sup> (8,293 km<sup>2</sup>), of which 8 mi<sup>2</sup> (20.7 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-63, 1965, 1969, 1973-74, 1978-80.

REMARKS.--Flow completely regulated since May 1941 by Great Salt Plains Lake, 0.6 mi (0.97 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-25			4040	3600	A 39300	43-06-29			17	300	A 14
38-06-10			712	500	A 961	43-08-04			14	300	A 11
38-06-21			420	700	A 794	43-08-10			14	600	A 23
38-07-06			150	600	A 243	43-08-17			14	100	A 3.8
38-07-18			1340	5800	A 21000	43-08-28			13	300	A 11
38-07-26			140	400	A 151	43-09-09			13	800	A 28
38-08-03			120	400	A 130	43-09-15			12	500	A 16
38-08-09			34	100	A 9.2	43-09-25			10.0	100	A 2.7
38-08-16			12600	19600	A 667000	43-09-29			10.0	100	A 2.7
38-08-22			260	500	A 351	43-10-06			10.0	300	A 8.1
38-08-31			68	100	A 18	43-10-12			4.0	100	A 1.1
38-09-05			94	200	A 51	43-10-27			5.0	200	A 2.7
38-09-14			1580	13400	A 57200	43-11-02			5.0	200	A 2.7
38-09-19			76	300	A 62	43-11-09			3.0	300	A 2.4
38-10-04			18	400	A 19	43-11-17			3.0	500	A 4.1
38-10-24			9.0	200	A 4.9	43-11-22			3.0	100	A 0.81
38-11-01			13	200	A 7.0	43-11-29			3.0	400	A 3.2
38-11-08			151	300	A 122	43-12-06			3.0	100	A 0.81
38-11-15			93	200	A 50	43-12-08			1.0	100	A 0.27
38-11-30			93	200	A 50	43-12-21			1.0	100	A 0.27
38-12-21			88	200	A 48	44-01-12			3.0	200	A 1.6
38-12-29			41	100	A 11	44-01-20			2.0	500	A 2.7
39-01-11			176	1100	A 523	44-01-25	0001		2.0	300	A 1.6
39-01-20			103	200	A 56	44-01-25	0002		2.0	400	A 2.2
39-01-30			206	700	A 389	44-01-31			2.0	400	A 2.2
39-02-16			114	200	A 62	44-02-08			2.0	400	A 2.2
39-03-02			99	200	A 53	44-02-16			1.0	200	A 0.54
39-06-27			2100	17000	A 96400	44-02-25			107	400	A 116
39-07-05			31	400	A 33	44-02-29			64	200	A 35
39-08-16			96	10900	A 2830	44-03-07			95	100	A 26
40-01-07			6.0	900	A 15	44-03-16			284	400	A 307
40-03-01			34	400	A 37	44-03-23			356	500	A 481
40-04-19			443	6900	A 8250	44-03-31			178	200	A 96
40-04-23			84	1100	A 249	44-04-04			105	200	A 57
40-04-29			122	500	A 165	44-04-12			2330	100	A 629
40-05-13			68	1200	A 220	44-04-17			1590	400	A 1720
40-05-19			1140	19700	A 60600	44-04-22			4600	200	A 2480
40-05-24			146	1000	A 394	44-04-24			4650	200	A 2510
40-06-03			298	1700	A 1370	44-06-07			310	100	A 84
40-06-07			2020	13300	A 72500	44-06-13			186	200	A 100
40-06-11			1060	16200	A 46400	44-06-21			99	300	A 80
40-06-17			135	600	A 219	44-06-30			16	100	A 4.3
40-06-24			91	800	A 197	44-07-07			30	200	A 16
40-08-04			385	14500	A 15100	44-07-14			39	200	A 21
40-08-05			301	28500	A 23200	44-07-20			43	100	A 12
40-08-12			71	3100	A 594	44-07-27			65	200	A 35
40-08-19			22	2700	A 160	44-08-04			26	200	A 14
40-08-31			1450	27900	A 109000	44-08-05			14	300	A 11
40-09-05			121	2900	A 947	44-08-08			15	100	A 4.0
40-10-08			69	5300	A 987	44-08-16			13	200	A 7.0
40-11-27			519	200	A 280	44-08-21			105	200	A 57
41-02-12			104	500	A 140	44-08-29			364	200	A 197
42-01-21			208	300	A 168	44-09-13			99	100	A 27

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07150500 SALT FORK ARKANSAS RIVER NEAR JET, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-09-18			50	200	A	46-11-27			71	500	A
44-09-29			194	100	A	46-12-21			362	200	A
44-10-06			968	100	A	47-02-12			52	200	A
44-10-10			606	100	A	47-04-14			5820	400	A
44-10-19			217	400	A	47-04-17			4570	200	A
44-10-24			101	400	A	47-04-18			3990	100	A
44-10-31			56	300	A	47-05-02			1080	300	A
44-11-08			167	400	A	47-05-08			438	600	A
44-11-15			102	400	A	47-05-14			793	600	A
44-11-29			141	300	A	47-05-21			3290	100	A
44-12-06			900	200	A	47-05-28			3320	400	A
44-12-12			642	400	A	47-06-03			1090	400	A
44-12-19			337	400	A	47-06-10			640	200	A
44-12-28			192	700	A	47-07-01			235	200	A
44-12-30			191	300	A	47-07-16			89	300	A
45-01-18			205	200	A	47-07-29			33	100	A
45-01-26			336	300	A	47-08-18			33	1200	A
45-01-28			347	100	A	47-08-26			41	300	A
45-01-31			219	200	A	47-10-06			56	300	A
45-02-05			250	500	A	47-10-16			82	100	A
45-02-13			215	300	A	47-11-10			30	200	A
45-02-20			165	300	A	47-11-21			30	200	A
45-02-28			222	400	A	47-12-15			26	200	A
45-03-05			247	300	A	48-01-05			24	200	A
45-03-12			193	300	A	48-01-14			42	200	A
45-03-19			912	400	A	48-02-02			39	100	A
45-04-02			265	200	A	48-02-17			43	300	A
45-04-09			283	100	A	48-03-31			410	100	A
45-04-13			329	100	A	48-04-07			237	100	A
45-04-17			3570	200	A	48-04-19			121	100	A
45-04-23			2220	100	A	48-05-04			129	100	A
45-05-01			2220	200	A	48-05-19			13	200	A
45-05-08			1130	200	A	48-05-28			22	100	A
45-05-16			503	200	A	48-06-04			11	400	A
45-05-23			279	300	A	48-07-12			499	100	A
45-05-31			306	200	A	48-08-18			5530	100	A
45-06-05			277	200	A	48-08-25			1810	100	A
45-06-13			626	300	A	48-10-20			9.0	100	A
45-06-19			384	200	A	48-10-25			10.0	100	A
45-06-28			1610	300	A	49-02-07			703	200	A
45-07-02			831	300	A	49-02-11			4310	100	A
45-08-07			16	200	A	49-02-15			4000	100	A
45-08-22			91	100	A	49-03-08			1130	100	A
45-08-29			15	200	A	49-03-20			631	200	A
45-09-04			14	100	A	49-03-29			707	500	A
45-09-10			14	300	A	49-04-06			655	200	A
45-09-17			13	200	A	49-05-05			1150	200	A
45-09-26			455	200	A	49-05-18			7380	100	A
45-10-01			4370	100	A	49-05-20			8450	100	A
45-10-10			967	200	A	49-05-21			9130	300	A
45-10-16			979	100	A	49-06-14			6620	200	A
45-10-29			253	100	A	49-08-04			483	200	A
45-11-13			88	200	A	49-09-16			3600	100	A
45-11-19			92	100	A	49-09-29			476	100	A
45-11-28			91	300	A	49-10-10			259	200	A
45-12-05			101	300	A	49-11-03			292	200	A
45-12-10			95	300	A	49-12-05			284	200	A
45-12-18			105	300	A	50-01-27			199	100	A
45-12-27			76	300	A	50-02-08			294	100	A
46-01-02			157	300	A	50-02-23			318	100	A
46-01-11			298	300	A	50-03-06			286	100	A
46-01-15			185	300	A	50-03-28			172	200	A
46-01-23			229	400	A	50-04-26			118	300	A
46-01-30			169	200	A	50-06-14			121	200	A
46-02-05			359	300	A	50-06-26			15	100	A
46-02-11			47	300	A	50-07-12			15	300	A
46-02-19			319	300	A	50-07-27			402	200	A
46-02-27			364	200	A	50-08-07			346	100	A
46-03-06			242	100	A	50-08-22			148	100	A
46-03-19			133	100	A	50-10-02			168	300	A
46-03-26			136	100	A	51-02-07			57	100	A
46-04-01			204	100	A	51-02-26			334	100	A
46-04-11			76	100	A	51-03-15			113	100	A
46-04-24			330	400	A	51-03-26			105	200	A
46-06-01			752	100	A	51-04-04			278	100	A
46-06-04			465	200	A	51-04-16			264	100	A
46-06-13			135	200	A	51-04-30			184	300	A
46-06-27			29	200	A	51-05-07			211	200	A
46-06-30			38	200	A	51-05-20			6680	400	A
46-07-10			15	200	A	51-06-20			1030	100	A
46-07-22			22	100	A	51-06-26			8080	400	A
46-08-14			41	100	A	51-06-29			6710	200	A
46-08-20			85	200	A	51-07-11			4600	100	A
46-08-27			38	200	A	51-07-24			1370	100	A
46-09-03			19	200	A	51-09-07			901	100	A
46-09-17			18	300	A	51-09-11			2090	200	A
46-09-24			17	500	A	51-10-10			487	100	A
46-10-01			14	400	A	52-01-04			255	300	A
46-10-18			15	300	A	52-01-13			192	200	A

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
52-03-05			330	100	A	56-02-29			59	110	A
52-04-01			273	100	A	56-03-20			1.0	150	A
52-04-23			3550	100	A	56-04-25			3.0	100	A
52-04-29			1920	100	A	56-05-08			3.0	350	A
52-05-13			560	400	A	56-06-04			3.0	240	A
52-06-05			484	400	A	56-07-24			100	100	A
52-07-02			36	100	A	56-08-13			6.0	70	A
52-07-09			36	100	A	56-09-04			3.0	190	A
52-07-21			38	200	A	56-09-18			4.0	170	A
52-08-04			32	200	A	56-10-01			4.0	220	A
52-08-21			38	200	A	56-10-17			3.0	310	A
52-09-03			39	400	A	56-11-01			4.0	170	A
52-09-10			31	100	A	56-11-15			4.0	280	A
52-09-15			20	200	A	56-12-03			4.0	230	A
52-10-01			18	300	A	56-12-18			4.0	250	A
52-10-15			14	300	A	57-01-08			4.0	160	A
52-11-04			13	300	A	57-01-29			4.0	400	A
52-11-17			13	300	A	57-02-12			4.0	360	A
52-12-02			10.0	700	A	57-02-27			4.0	310	A
52-12-17			10.0	100	A	57-03-18			4.0	250	A
53-01-06			10.0	200	A	57-04-08			4.0	150	A
53-02-03			10.0	100	A	57-04-22			1470	240	A
53-02-16			10.0	200	A	57-04-29			1450	900	A
53-03-03			24	300	A	57-05-06			1200	70	A
53-03-16			154	600	A	57-05-13			2240	260	A
53-04-02			11	200	A	57-05-16			4780	150	A
53-04-20			27	200	A	57-05-20			8840	230	A
53-04-28			24	300	A	57-05-31			3920	130	A
53-05-14			123	300	A	57-06-19			2760	90	A
53-06-01			20	400	A	57-07-03			8540	60	A
53-06-15			18	300	A	57-07-16			1170	150	A
53-06-29			24	100	A	57-07-29			315	1290	A
53-07-07			19	200	A	57-08-14			31	60	A
53-07-17			717	510	A	57-09-06			8.0	120	A
53-08-05			13	160	A	57-10-07			142	80	A
53-08-17			7.0	130	A	57-10-28			443	90	A
53-09-01			7.0	190	A	57-11-13			236	160	A
53-10-01			7.0	20	A	57-12-03			184	50	A
53-10-14			5.0	70	A	57-12-20			145	100	A
53-11-02			5.0	90	A	58-02-05			120	70	A
53-11-16			3.0	90	A	58-04-01			792	210	A
53-12-02			1.0	110	A	58-04-28			322	30	A
54-01-05			1.0	80	A	58-05-20			318	40	A
54-01-18			1.0	70	A	58-06-09			51	60	A
54-02-16			3.0	100	A	58-06-24			587	110	A
54-03-01			8.0	80	A	58-06-26			2520	280	A
54-03-15			2.0	70	A	58-07-01			2980	1490	A
54-04-05			40	110	A	58-07-23			284	150	A
54-04-19			10.0	50	A	58-10-21			13	90	A
54-04-27			16	80	A	58-11-12			4.0	80	A
54-05-11			162	160	A	58-12-02			62	100	A
54-05-24			892	290	A	58-12-16			52	100	A
54-05-26			1460	170	A	59-01-07			54	90	A
54-06-03			396	130	A	59-02-05			93	110	A
54-06-15			129	140	A	59-03-24			197	100	A
54-06-29			6.0	160	A	59-04-14			428	730	A
54-07-12			5.0	160	A	59-05-06			383	280	A
54-07-30			19	130	A	59-05-20			393	70	A
54-09-20			97	180	A	59-06-08			196	250	A
54-10-05			15	150	A	59-06-24			126	210	A
54-10-25			1.0	210	A	59-07-28			12	390	A
55-01-04			2.0	170	A	59-08-19			41	200	A
55-01-17			1.0	180	A	59-10-03			5050	130	A
55-02-01			1.0	260	A	59-10-08			3660	120	A
55-02-14			1.0	220	A	59-11-04			337	100	A
55-03-07			1.0	190	A	60-01-14			415	90	A
55-03-21			1.0	270	A	60-03-24			821	60	A
55-04-04			2.0	420	A	60-04-13			362	150	A
55-04-18			1.0	230	A	60-05-11			219	60	A
55-05-02			1.0	730	A	60-06-07			1090	70	A
55-05-27			124	370	A	60-06-27			137	70	A
55-06-07			800	190	A	60-07-14			387	140	A
55-06-20			4670	320	A	60-08-30			2670	80	A
55-07-06			780	420	A	60-09-23			92	70	A
55-07-11			238	140	A	60-10-03			107	110	A
55-07-21			196	210	A	60-10-31			561	190	A
55-08-01			4.0	70	A	61-04-03			784	610	A
55-08-11			5.0	90	A	61-05-01			132	170	A
55-08-22			5.0	180	A	61-08-04			52	140	A
55-08-31			4.0	160	A	61-10-02			428	100	A
55-09-13			21	80	A	61-11-03			1040	210	A
55-10-06			1410	170	A	61-12-19			308	100	A
55-11-09			5.0	110	A	62-02-01			708	60	A
55-11-22			2.0	220	A	62-03-01			348	100	A
55-12-07			1.0	280	A	62-07-03			168	150	A
56-01-04			1.0	250	A	62-08-16			45	180	A
56-01-19			1.0	250	A	62-10-11			143	100	A
56-02-01			2.0	200	A	63-05-09			66	220	A
56-02-13			39	90	A	63-06-24			4550	790	A

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

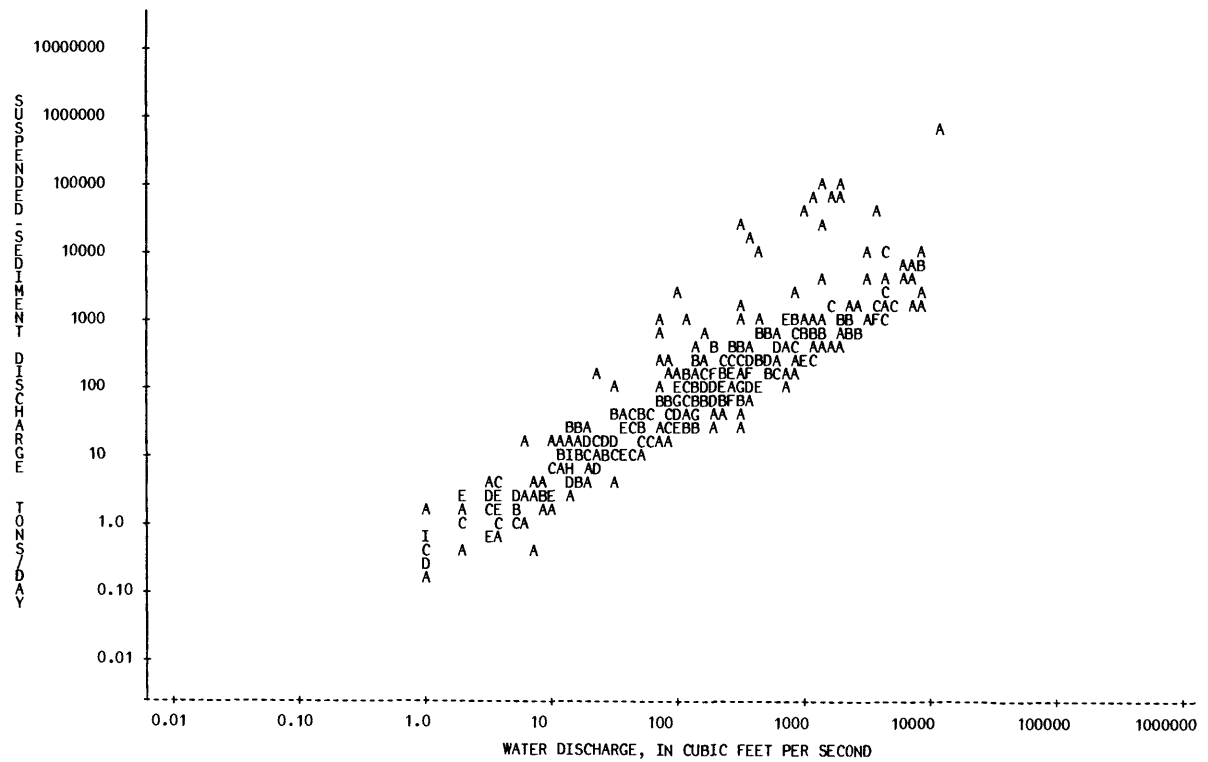
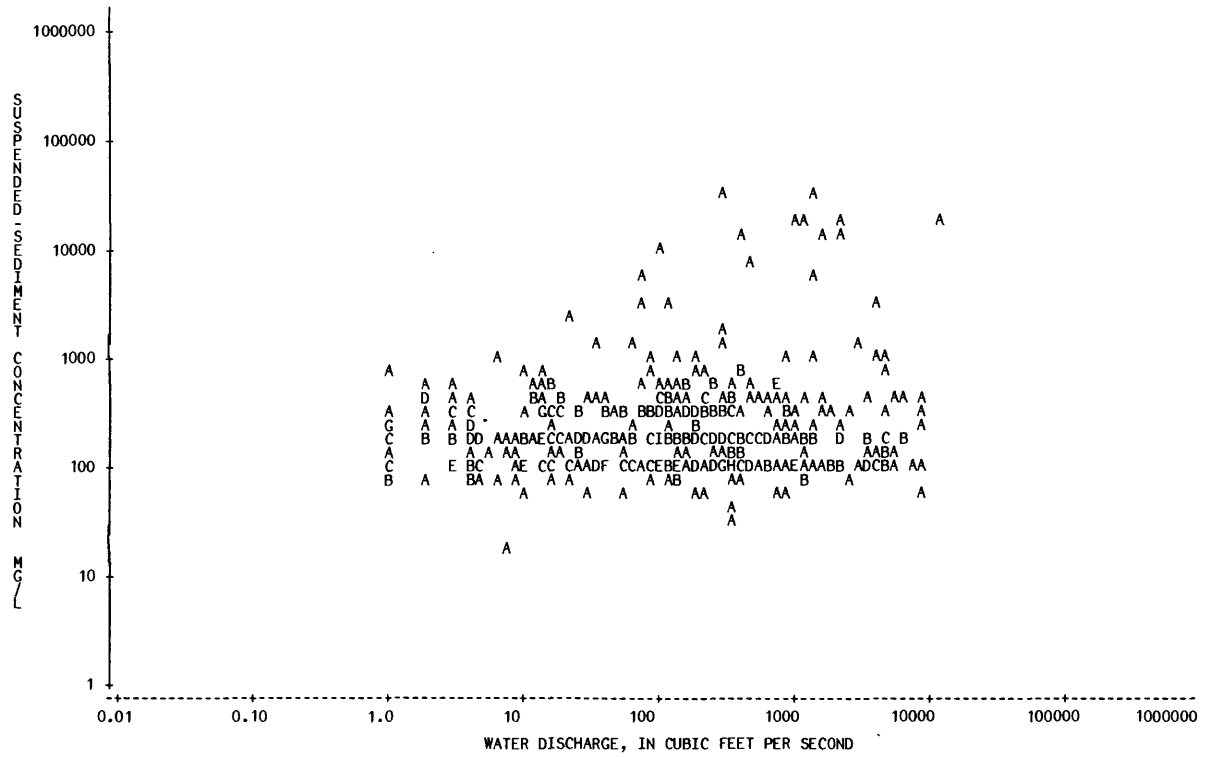
07150500 SALT FORK ARKANSAS RIVER NEAR JET, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-06-26			4580	1000	A 12400						
65-06-15			3490	110	A 1040						
65-07-06			660	170	A 303						
65-09-27			915	210	A 519						
69-05-09			1600	110	A 475						
69-09-10			1040	100	A 281						
73-04-10			4920	120	A 1590						
73-05-02			4300	1060	A 12300						
73-10-03			2250	190	A 1150						
73-10-24			1760	320	A 1520						
74-03-13			2100	190	A 1080						
74-04-03			863	1090	A 2540						
78-08-17	1237		17	220	A 10						
78-10-06	1054		16	550	A 24						
78-11-03	1034	5.3		120	A 1.7						
79-08-24	1032	26		130	A 9.1						
79-10-11	1051	27		130	A 9.5						
79-11-16	1242	582		110	A 173						
79-12-19	1050	180		100	A 49						
80-02-22	1024	3.7		110	A 1.1						
80-03-27	1517	355		130	A 125						
80-04-23	0902	325		80	A 70						
80-05-22	1402	1050		100	A 284						
80-06-24	1953	3540		170	A 1620						
80-07-31	1000	22		200	A 12						
80-09-05	1300	22		110	A 6.5						

\*\*\*\*\*  
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A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07150500 SALT FORK ARKANSAS RIVER NEAR JET, OKLA.



## ARKANSAS RIVER BASIN

07151000 SALT FORK ARKANSAS RIVER AT TONKAWA, OKLA.

LOCATION.--Lat 36°40'13", long 97°18'33", in NW 1/4 SE 1/4 sec.4, T.25 N., R.1 W., Kay County, Hydrologic Unit 11060004, near right bank on downstream side of pier of bridge on U.S. Highway 77 in Tonkawa, 4 mi (6 km) downstream from Thompson Creek, 7.8 mi (12.6 km) upstream from Chikaskia River, and at mile 33.8 (54.4 km).

DRAINAGE AREA.--4,528 mi<sup>2</sup> (11,728 km<sup>2</sup>), of which 8 mi<sup>2</sup> (20.7 km<sup>2</sup>) is probably noncontributing.

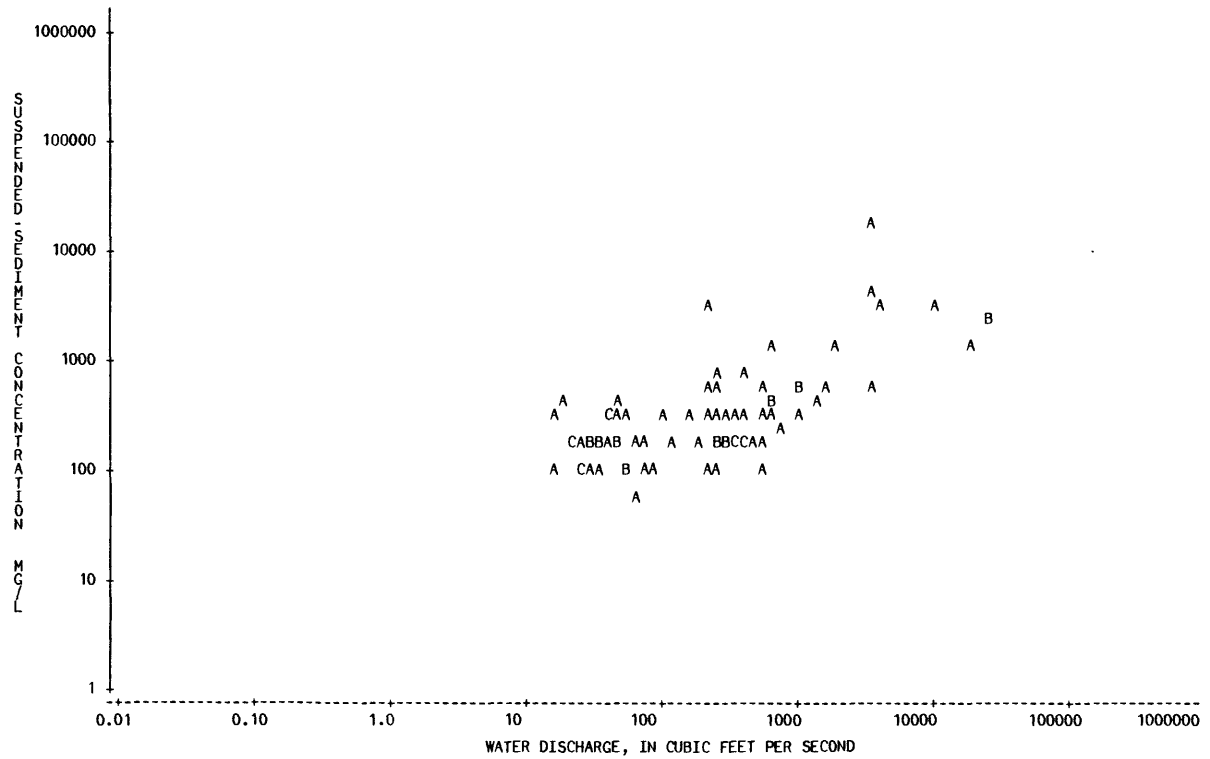
PERIOD OF RECORD.--Water years 1943-45, 1960-61, 1965.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-25			50	400	A 54	44-11-29			403	800	A 870
43-06-29			624	400	A 674	44-12-20			522	300	A 423
43-07-07			60	200	A 32	44-12-28			336	300	A 272
43-07-13			56	300	A 45	45-01-04			310	300	A 251
43-07-22			64	60	A 10	45-01-10			262	100	A 71
43-07-28			58	100	A 16	45-01-17			244	300	A 198
43-08-14			37	300	A 30	45-01-24			614	400	A 663
43-08-28			17	300	A 14	45-01-30			490	200	A 265
43-09-06			35	200	A 19	45-02-09			387	200	A 209
43-09-17			18	400	A 19	45-02-16			302	200	A 163
43-09-27			21	200	A 11	45-02-19			262	200	A 141
43-10-01			28	200	A 15	45-02-27			302	200	A 163
43-10-08			21	200	A 11	45-03-05			320	200	A 173
43-10-14			15	100	A 4.0	45-03-12			266	200	A 144
43-10-28			72	200	A 39	45-03-23			997	500	A 1350
43-11-01			30	200	A 16	45-04-05			362	200	A 195
43-11-10			29	100	A 7.8	45-05-11			1410	400	A 1520
43-11-23			25	100	A 6.7	45-05-16			1010	300	A 818
43-11-30			21	200	A 11	45-05-22			367	200	A 198
43-12-07			27	100	A 7.3	45-05-28			594	300	A 481
43-12-13			108	300	A 87	45-06-04			403	300	A 326
44-01-05			50	200	A 27	45-06-18			526	200	A 284
44-01-13			38	300	A 31	45-06-26			624	1500	A 2530
44-01-21			38	200	A 21	45-07-02			1646	500	A 2220
44-01-27			225	2800	A 1700	45-09-10			38	300	A 31
44-02-05			25	200	A 13	59-10-03			25400	2390	A 164000
44-02-12			26	100	A 7.0	59-10-04			24700	2570	A 171000
44-03-01			48	200	A 26	61-05-07	1210		3650	16000	A 158000
44-03-09			50	300	A 40	64-11-18	1000		20000	1510	81500
44-03-18			740	230	A 460						
44-04-12			4100	3000	A 33200						
44-04-21			1064	500	A 1440						
44-04-25			9460	2800	A 71500						
44-05-02			3530	600	A 5720						
44-06-06			585	100	A 158						
44-06-14			530	600	A 859						
44-07-17			54	100	A 15						
44-07-31			250	500	A 337						
44-08-09			73	100	A 20						
44-08-16			33	100	A 8.9						
44-08-22			206	300	A 167						
44-08-28			254	700	A 480						
44-09-05			387	200	A 209						
44-09-12			209	100	A 56						
44-09-19			80	100	A 22						
44-09-25			34	200	A 18						
44-10-11			1720	1400	A 6500						
44-10-17			413	200	A 223						
44-10-24			193	200	A 104						
44-10-31			113	200	A 61						
44-11-08			3420	4000	A 36900						
44-11-15			223	500	A 301						
44-11-22			148	300	A 120						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07151000 SALT FORK ARKANSAS RIVER AT TONKAWA, OKLA.



## ARKANSAS RIVER BASIN

07152000 CHIKASKIA RIVER NEAR BLACKWELL, OKLA.

LOCATION.--Lat 36°48'31", long 97°16'39", in NE 1/4 NW 1/4 sec.23, T.27 N., R.1 W., Kay County, Hydrologic Unit 11060005, near right bank on downstream side of pier of St. Louis-San Francisco Railway Co. bridge at northeast edge of Blackwell, 0.2 mi (0.3 km) downstream from Bitter Creek, and at mile 28.2 (45.4 km).

DRAINAGE AREA.--1,859 mi<sup>2</sup> (4,815 km<sup>2</sup>).

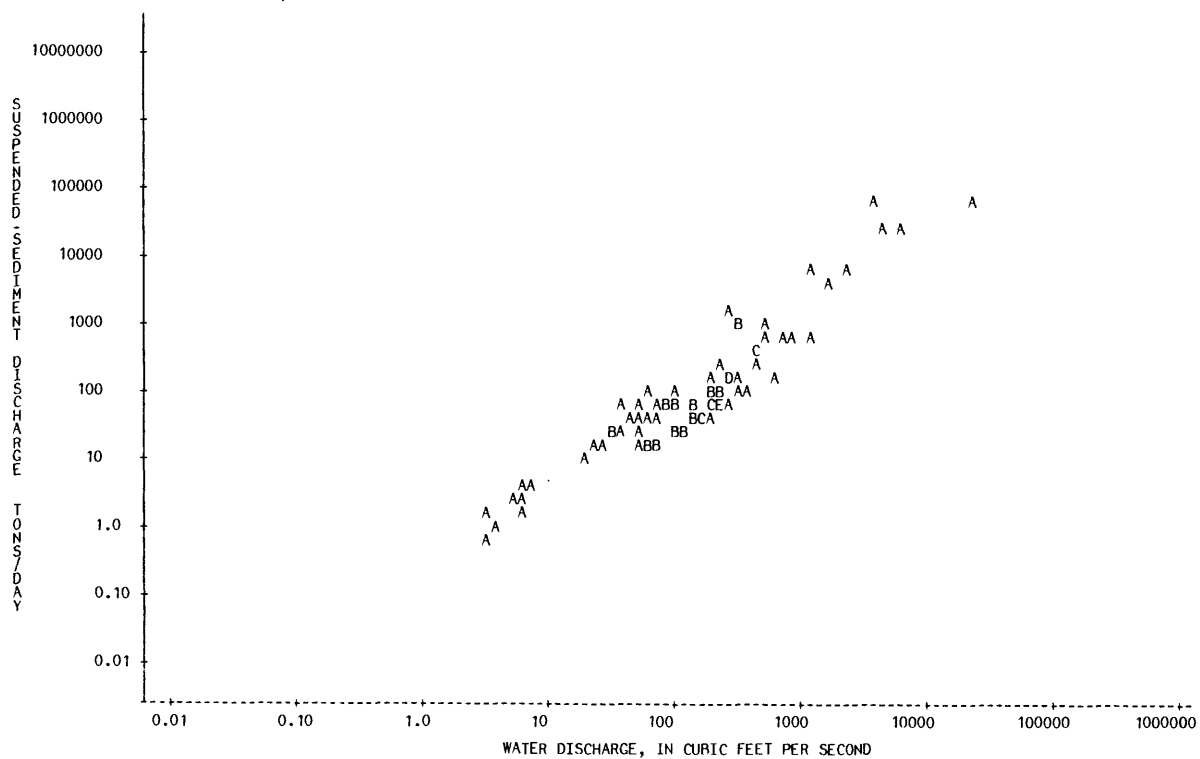
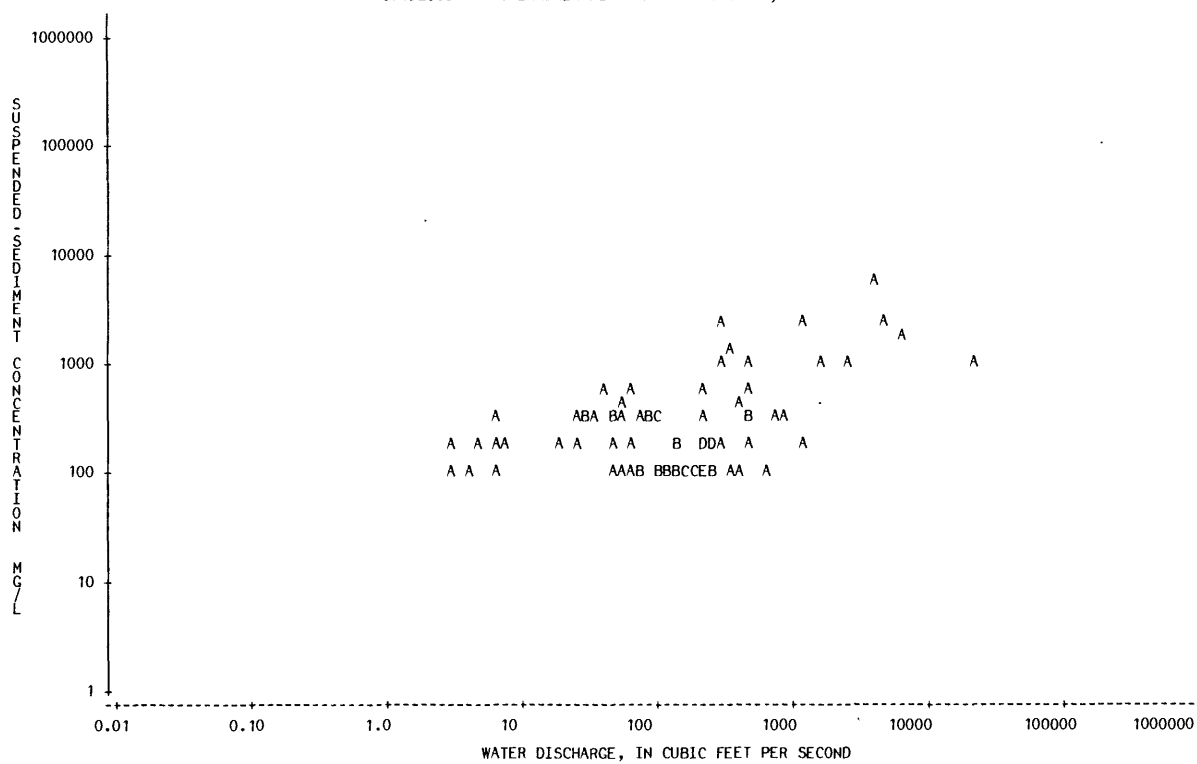
PERIOD OF RECORD.--Water years 1938, 1943-45, 1965.

REMARKS.--Some regulation at low flow by Lake Blackwell. Small diversion made from reservoir for municipal supply.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-02			1100	200	A 594	44-10-17			167	100	A 45
43-06-25			90	300	A 73	44-10-24			130	100	A 35
43-06-30			31	300	A 25	44-10-31			111	100	A 30
43-07-07			6.0	300	A 4.9	44-11-08			720	300	A 583
43-07-13			31	300	A 25	44-11-15			144	200	A 78
43-07-22			60	600	A 97	44-11-22			134	100	A 36
43-07-28			6.0	100	A 1.6	44-11-29			197	100	A 53
43-08-06			90	300	A 73	44-12-20			319	100	A 86
43-08-11			48	300	A 39	44-12-28			224	100	A 60
43-08-28			45	300	A 36	45-01-04			201	100	A 54
43-09-06			100	300	A 81	45-01-10			201	200	A 109
43-09-17			3.0	100	A 0.81	45-01-17			204	300	A 165
43-09-27			6.0	200	A 3.2	45-01-24			412	400	A 445
43-10-01			7.0	200	A 3.8	45-01-30			271	200	A 146
43-10-08			5.0	200	A 2.7	45-02-09			250	200	A 135
43-10-14			4.0	100	A 1.1	45-02-16			212	200	A 114
43-10-27			58	100	A 16	45-02-19			201	200	A 109
43-11-01			49	200	A 26	45-02-27			250	200	A 135
43-11-16			27	200	A 15	45-03-08			217	100	A 59
43-11-23			18	200	A 9.7	45-03-12			200	100	A 54
43-11-30			24	300	A 19	45-03-23			494	500	A 667
43-12-21			64	100	A 17	45-04-05			232	500	A 313
44-01-05			69	100	A 19	45-05-11			1520	1100	A 4510
44-01-13			50	100	A 13	45-05-16			460	300	A 373
44-01-21			153	100	A 41	45-05-22			295	200	A 159
44-01-27			258	200	A 139	45-05-28			228	100	A 62
44-02-05			68	200	A 37	45-06-04			78	300	A 63
44-02-17			112	100	A 30	45-06-18			319	1200	A 1030
44-03-01			100	100	A 27	45-06-26			449	200	A 242
44-03-17			1100	2200	A 6530	45-07-02			164	100	A 44
44-03-28			220	200	A 119	45-07-16			245	100	A 66
44-04-08			140	200	A 76	45-08-13			40	600	A 65
44-04-12			5980	1900	A 30700	45-09-10			3.0	200	A 1.6
44-04-22			3800	5200	A 53400	64-11-18	1230	22800	1150		70800
44-04-26			4400	2400	A 28500						
44-05-06			908	300	A 735						
44-05-10			476	300	A 386						
44-05-17			280	2500	A 1890						
44-05-24			230	100	A 62						
44-06-03			380	100	A 103						
44-06-06			190	100	A 51						
44-06-20			590	100	A 159						
44-07-12			105	300	A 85						
44-07-31			51	400	A 55						
44-08-02			100	100	A 27						
44-08-09			500	900	A 1210						
44-08-22			72	100	A 19						
44-08-29			315	1000	A 850						
44-09-05			2420	900	A 5880						
44-09-12			100	300	A 81						
44-09-19			58	300	A 47						
44-09-25			35	300	A 28						
44-10-11			268	100	A 72						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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07152000 CHIKASKIA RIVER NEAR BLACKWELL, OKLA.



## ARKANSAS RIVER BASIN

07152500 ARKANSAS RIVER AT RALSTON, OKLA.

LOCATION.--Lat 36°30'09", long 96°43'22", in NW 1/4 sec.1, T.23 N., R.5 E., Osage County, Hydrologic Unit 11060006, near left bank on downstream side of pier of bridge on State Highway 18 at Ralston, 2 mi (3.2 km) downstream from Salt Creek, 2 mi (3.2 km) upstream from Grayhorse Creek, and at mile 594.0 (955.7 km).

DRAINAGE AREA.--54,465 mi<sup>2</sup> (141,064 km<sup>2</sup>), of which 7,615 mi<sup>2</sup> (19,723 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-75, 1977-80.

REMARKS.--Flow regulated since April 1976 by Kaw Lake 59.7 mi (96.1 km) upstream. Some regulation by Great Salt Plains Lake since 1941. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-09-07			566	400	A 611	43-05-24			14000	1200	A 45400
40-03-21			564	100	A 152	43-06-26			11100	2300	A 68900
40-04-22			3190	1400	A 12100	43-06-30			3170	700	A 5990
40-04-29			6450	5100	A 88800	43-07-08			1760	100	A 475
40-05-21			13600	4700	A 173000	43-07-15			1320	400	A 1430
40-05-24			8800	2600	A 61800	43-07-23			6520	1600	A 28200
40-05-28			3350	2500	A 22600	43-07-30			1720	300	A 1390
40-06-05			1490	300	A 12 10	43-08-07			1260	300	A 1020
40-06-11			6700	4100	A 74200	43-08-12			1460	500	A 1970
40-08-17			829	500	A 1120	43-09-07			965	400	A 1040
40-09-04			16900	3400	A 155000	43-09-18			935	500	A 1260
40-09-07			9680	3200	A 83600	43-09-27			667	200	A 360
40-10-03			680	300	A 551	43-10-01			875	300	A 709
40-12-04			1460	700	A 2760	43-10-08			716	100	A 193
41-01-07			1320	400	A 1430	43-10-28			1000	300	A 810
41-02-04			5230	1300	A 18400	43-11-03			1280	800	A 2760
41-04-17			40100	6800	A 736000	43-11-11			818	200	A 442
41-04-18			20100	4500	A 244000	43-11-24			655	100	A 177
41-04-24			5840	1000	A 15800	43-12-01			680	300	A 551
41-05-05			4100	400	A 4430	43-12-08			725	100	A 196
41-05-08			10700	1600	A 46200	44-01-05			725	100	A 196
41-06-08			2730	600	A 4420	44-01-13			1160	600	A 1880
41-06-11			50200	3900	A 529000	44-01-22			875	100	A 236
41-06-12			41500	3900	A 437000	44-01-27			1580	800	A 3410
41-06-16			10500	2400	A 68000	44-02-05			1290	400	A 1390
41-07-02			11200	2500	A 75600	44-03-02			1190	1200	A 3860
41-08-12			1010	400	A 1090	44-03-18			17300	6900	A 322000
41-09-15			2120	500	A 2860	44-03-24			34400	4400	A 409000
41-10-05			13350	2200	A 79300	44-03-29			5910	900	A 14400
41-10-29			26600	2200	A 158000	44-04-08			2700	800	A 5830
41-11-14			5450	900	A 13200	44-04-13	0001		62600	4000	A 676000
42-01-17			2810	600	A 4550	44-04-13	0002		56100	2400	A 364000
42-02-10			2400	500	A 3240	44-04-21			14100	2200	A 83800
42-03-11			2750	200	A 1490	44-04-25			175000	4400	A 2080000
42-04-01			2740	1100	A 8140	44-04-26			123000	3200	A 1060000
42-04-05			15100	3900	A 159000	44-04-27			90900	2600	A 638000
42-04-09			34100	4400	A 405000	44-04-29			52100	2200	A 309000
42-04-21			42800	3600	A 416000	44-05-03			47800	2400	A 310000
42-04-28			39500	2500	A 267000	44-05-05			34100	2300	A 212000
42-04-30			44500	3200	A 384000	44-05-10			11600	1400	A 43800
42-05-01			25300	2100	A 143000	44-05-11			17500	1500	A 70900
42-05-08			21300	3000	A 173000	44-05-17			8590	600	A 13900
42-06-03			3800	800	A 6210	44-05-19			7710	1300	A 27100
42-06-16			4820	1000	A 13000	44-05-24			5300	500	A 7160
42-06-23			83200	2200	A 494000	44-06-02			8590	2400	A 55700
42-06-24			93300	2100	A 529000	44-06-03			8390	700	A 15900
42-06-25			45600	1800	A 222000	44-06-05			7840	1600	A 33900
42-06-26			33300	1900	A 171000	44-06-14			9680	2100	A 54900
42-07-02			17100	1600	A 73900	44-06-15			9370	1200	A 30400
42-07-16			7330	1400	A 27700	44-06-20			4580	1500	A 18500
42-08-30			4690	2900	A 36700	44-07-06			2380	300	A 1930
42-09-10			17700	1900	A 90800	44-07-13			9580	2200	A 56900
43-05-21			90900	2600	A 638000	44-07-21			2810	300	A 2280

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07152500 ARKANSAS RIVER AT RALSTON, OKLA.--CONTINUED

83

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-07-26	0001		2790	500	A 3770	45-04-26			24400	2000	A 132000
44-07-26	0002		2730	600	A 4420	45-04-27			19400	1500	A 78600
44-08-05			1920	1100	A 5700	45-04-28			26000	2300	A 161000
44-08-09			5700	2000	A 30800	45-04-30			34000	2000	A 184000
44-08-16			1990	700	A 3760	45-05-01			28800	3300	A 257000
44-08-17			2160	700	A 4080	45-05-04			15900	700	A 30100
44-08-22			2180	600	A 3530	45-05-10			11900	700	A 22500
44-08-30			9650	2600	A 67700	45-05-14			9480	500	A 12800
44-09-05			5750	1600	A 24800	45-05-15			7410	500	A 10000
44-09-07			5560	1100	A 16500	45-05-22			4800	700	A 9070
44-09-13			2160	300	A 1750	45-05-28			4070	200	A 2200
44-09-20			1510	100	A 408	45-06-04			3350	400	A 3620
44-09-21			1480	200	A 799	45-06-06			3110	400	A 3360
44-09-26			1190	100	A 321	45-06-13			2990	100	A 807
44-09-30			24400	3000	A 198000	45-06-18			3270	400	A 3530
44-10-02			6780	1000	A 18300	45-06-21			7470	4300	A 86700
44-10-03			10100	1700	A 46400	45-06-23			12100	2600	A 84900
44-10-04			36800	4300	A 427000	45-06-26			3410	700	A 6440
44-10-05			35600	3400	A 327000	45-06-27			4840	1500	A 19600
44-10-06			23600	2200	A 140000	45-06-29			29000	2400	A 188000
44-10-07			17800	1600	A 76900	45-06-30			21400	2800	A 162000
44-10-09			8770	900	A 21300	45-07-02			27500	2900	A 215000
44-10-11			5530	1300	A 19400	45-07-03	0001		17100	2600	A 120000
44-10-12			5810	400	A 6270	45-07-03	0002		15000	2500	A 101000
44-10-18			3220	500	A 4350	45-07-11			4760	1200	A 15400
44-10-19			2880	100	A 778	45-07-12			9250	1400	A 35000
44-10-24			2300	100	A 621	45-07-17			6380	1100	A 18900
44-10-31			1850	100	A 500	45-07-19			3940	300	A 3190
44-11-07			2800	500	A 3780	45-07-24			3670	500	A 4950
44-11-10			6630	500	A 8950	45-07-30			5470	700	A 10300
44-11-14			2390	300	A 1940	45-08-02			2930	500	A 3960
44-11-16			2030	300	A 1640	45-08-07			1630	400	A 1760
44-11-21			1760	200	A 950	45-08-14			1220	500	A 1650
44-11-28			3700	1200	A 12000	45-08-27			1440	300	A 1170
44-12-05			20200	3100	A 169000	45-09-04			930	200	A 502
44-12-06			60600	5100	A 834000	45-09-10			757	100	A 204
44-12-07	0001		79400	3100	A 665000	45-09-17			666	400	A 719
44-12-07	0002		76200	2700	A 555000	45-09-25			4210	2200	A 25000
44-12-08			60400	2400	A 391000	45-09-26	0001		20700	6600	A 369000
44-12-09			36500	2000	A 197000	45-09-26	0002		22200	6000	A 360000
44-12-10			19700	1500	A 79800	45-09-27			20800	3400	A 191000
44-12-11			12700	1600	A 54900	45-10-02			108700	1300	A 382000
44-12-12			10300	1000	A 27800	45-10-03			74500	1000	A 201000
44-12-19			6240	500	A 8420	45-10-04			39100	1400	A 148000
44-12-27			3740	300	A 3030	45-10-08			9810	500	A 13200
45-01-03			3270	300	A 2650	45-10-23			3910	300	A 3170
45-01-09			2970	100	A 802	45-10-29			3160	200	A 1710
45-01-16			2680	400	A 2890	45-11-05			2700	100	A 729
45-01-23			3050	300	A 2470	45-11-16			2310	200	A 1250
45-01-29			3250	300	A 2630	45-11-19			2150	200	A 1160
45-02-06			2910	100	A 786	45-11-27			1980	100	A 535
45-02-08			2970	100	A 802	45-12-03			1900	300	A 1540
45-02-15			2780	200	A 1500	45-12-10			1880	200	A 1020
45-02-27			2870	500	A 3870	45-12-17			1660	400	A 1790
45-03-06			3800	400	A 4100	45-12-31			1800	500	A 2430
45-03-08			4320	1100	A 12800	46-01-07			2710	300	A 2200
45-03-12			3450	300	A 2790	46-01-09			9470	1600	A 40900
45-03-15			5450	1300	A 19100	46-01-14			5110	600	A 8280
45-03-19			8280	1700	A 38000	46-01-21			2960	100	A 799
45-03-20			7980	1200	A 25900	46-01-28			2390	200	A 1290
45-03-21			8430	1500	A 34100	46-02-04			2110	100	A 570
45-03-22			14500	3900	A 153000	46-02-18			2220	200	A 1200
45-03-23	0001		10400	2800	A 78600	46-02-19			4840	600	A 7840
45-03-23	0002		9710	2800	A 73400	46-02-27			2970	200	A 1600
45-03-24			25200	5700	A 388000	46-03-04			2340	100	A 632
45-03-25			27500	3900	A 290000	46-03-11			3270	200	A 1770
45-03-26			24400	4400	A 290000	46-03-18			6390	1400	A 24200
45-03-27	0001		17200	3300	A 153000	46-03-19			5490	800	A 11900
45-03-27	0002		14100	2800	A 107000	46-03-25			4950	800	A 10700
45-03-28			8350	1800	A 40600	46-04-04			2550	400	A 2750
45-03-29			9880	2000	A 53400	46-04-08			2230	200	A 1200
45-03-30			16700	3100	A 140000	46-04-15			1890	100	A 510
45-03-31			11400	2400	A 73900	46-04-19			4440	800	A 9590
45-04-04			6110	700	A 11500	46-04-22			2850	300	A 2310
45-04-05			8700	2000	A 47000	46-04-29			3010	800	A 6500
45-04-12			37000	5100	A 509000	46-04-30			3100	500	A 4190
45-04-13			44800	3800	A 460000	46-05-08			1790	100	A 483
45-04-14			26700	2500	A 180000	46-05-16			2230	500	A 3010
45-04-15			26800	2700	A 195000	46-05-23			3480	800	A 7520
45-04-16			75000	4400	A 891000	46-05-29			1840	300	A 1490
45-04-17			110200	3400	A 1010000	46-06-06			1900	300	A 1540
45-04-19			120000	3000	A 972000	46-06-18			917	400	A 990
45-04-20	0001		76700	1900	A 393000	46-06-21			927	100	A 250
45-04-20	0002		67200	2000	A 363000	46-06-24			2500	600	A 4050
45-04-21			29600	5900	A 472000	46-07-08			1160	100	A 313
45-04-23			16600	1200	A 53800	46-07-15			671	300	A 544
45-04-24			14700	1000	A 39700	46-07-22			593	200	A 320
45-04-25			25700	2400	A 167000	46-07-30			388	100	A 105

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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07152500 ARKANSAS RIVER AT RALSTON, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)
*****											
46-08-05			382	100	A 103	47-12-21			1040	100	A 281
46-08-13			323	100	A 87	47-12-29			1010	200	A 545
46-08-19			268	100	A 72	48-01-01			1280	100	A 346
46-08-27			507	800	A 1100	48-01-04			2390	200	A 1290
46-09-03			549	100	A 148	48-01-11			1290	100	A 348
46-09-09			343	100	A 93	48-01-18			967	200	A 522
46-09-17			1030	300	A 834	48-02-08			850	300	A 688
46-09-24			655	500	A 884	48-02-15			800	300	A 648
46-09-30			436	300	A 353	48-02-22			2240	500	A 3020
46-10-08			368	100	A 99	48-02-29			1640	500	A 2210
46-10-17			4300	2800	A 32500	48-03-02			13800	4700	A 175000
46-10-22			1890	1100	A 5610	48-03-03			9550	2700	A 69600
46-10-28			1440	800	A 3110	48-03-04			14600	2900	A 114000
46-11-05			2640	1500	A 10700	48-03-07			8910	1300	A 31300
46-11-07			1860	500	A 2510	48-03-08			7100	700	A 13400
46-11-13			4670	1300	A 16400	48-03-14			2480	500	A 3350
46-11-25			1880	300	A 1520	48-03-21			7400	1700	A 34000
46-12-04			1342	300	A 1090	48-03-22			16900	4700	A 214000
46-12-15			1460	200	A 788	48-03-23			12800	3000	A 104000
46-12-17			4040	1600	A 17500	48-03-25			8570	1500	A 34700
46-12-27			1780	900	A 4330	48-03-28			6200	2700	A 45200
47-01-02			600	400	A 648	48-03-29			4930	900	A 12000
47-01-15			1610	200	A 869	48-04-12			2100	400	A 2270
47-01-21			1770	500	A 2390	48-04-18			1860	100	A 502
47-01-29			1520	400	A 1640	48-04-25			6690	2400	A 43400
47-02-07			1190	400	A 1290	48-04-26			5280	2000	A 28500
47-02-13			1020	200	A 551	48-05-11			21300	6200	A 357000
47-02-20			1160	400	A 1250	48-05-12			13300	2900	A 104000
47-03-05			942	100	A 254	48-06-21			2890	700	A 5460
47-03-11			1100	500	A 1490	48-06-24			18300	3600	A 178000
47-03-17			18200	3100	A 152000	48-06-28			32300	3000	A 262000
47-03-18			10000	1000	A 27000	48-06-30			48600	2500	A 328000
47-03-19			6770	1300	A 23800	48-07-01			55700	2500	A 376000
47-03-25			3520	600	A 5700	48-07-07			16600	1300	A 58300
47-04-04			2130	400	A 2300	48-07-12			21700	2200	A 129000
47-04-08			8340	2600	A 58500	48-07-13			24300	2700	A 177000
47-04-11			7270	1000	A 19600	48-07-16			44300	3600	A 431000
47-04-12			29800	5900	A 475000	48-07-17			59400	2500	A 401000
47-04-14			83700	2700	A 610000	48-07-19			55700	1600	A 241000
47-04-16			110000	1500	A 445000	48-07-23			34700	1400	A 131000
47-04-17			101500	2200	A 603000	48-07-24			38900	1800	A 189000
47-04-18			46600	1600	A 201000	48-07-26			41500	1300	A 146000
47-04-22			12800	1100	A 38000	48-07-29			13300	1100	A 39500
47-04-23			10900	400	A 11800	48-08-02			7500	500	A 10100
47-04-24			10100	600	A 16400	48-08-09	1500		9770	2300	A 60700
47-04-28			15600	1400	A 59000	48-08-09	1800		9800	1700	A 45000
47-04-30			11000	500	A 14900	48-08-16			52500	3100	A 439000
47-05-01			8660	400	A 9350	48-08-23			11600	300	A 9400
47-05-06			4650	400	A 5020	48-09-19			2460	100	A 664
47-05-14			7890	800	A 17000	48-10-03			2080	200	A 1120
47-05-15			9910	1000	A 26800	48-11-07			4510	400	A 4870
47-05-16			18000	1600	A 77800	48-12-05			3260	200	A 1760
47-05-18			34300	1900	A 176000	48-12-12			2190	100	A 591
47-05-19			19300	1000	A 52100	48-12-19			1920	100	A 518
47-05-21			18700	1600	A 80800	49-01-02			1830	100	A 494
47-05-25			38300	4100	A 424000	49-01-09			2680	300	A 2170
47-05-27			33100	1800	A 161000	49-01-16			6060	800	A 13100
47-06-02			20600	2200	A 122000	49-01-18			31600	3100	A 264000
47-06-03			10500	1600	A 45400	49-01-21			8350	900	A 20300
47-06-09			16100	2000	A 86900	49-01-24			29400	4200	A 333000
47-06-18			3630	400	A 3920	49-02-14			64600	16500	A 2880000
47-06-25			9670	900	A 23500	49-02-21			32100	6300	A 546000
47-06-30			17400	2100	A 98700	49-03-01			47000	3800	A 482000
47-07-01			12700	1100	A 37700	49-03-04			15150	1100	A 45000
47-07-02			9060	800	A 19600	49-03-18			5390	300	A 4370
47-07-08			8880	1500	A 36000	49-03-20			5170	200	A 2790
47-07-09			7990	1200	A 25900	49-03-27			5630	700	A 10600
47-07-11			6410	900	A 15600	49-03-31			6980	800	A 15100
47-07-15			4060	1100	A 12100	49-04-10			5100	200	A 2750
47-07-21			4040	1500	A 16400	49-04-17			5210	300	A 4220
47-07-30			3270	1500	A 13200	49-04-18			4920	300	A 3990
47-08-04			1980	300	A 1600	49-04-24			3890	100	A 1050
47-08-11			1350	100	A 365	49-05-02			8560	1000	A 23100
47-08-25			1250	200	A 675	49-05-11			9470	900	A 23000
47-09-15			584	100	A 158	49-05-19			43900	2900	A 344000
47-09-22			702	200	A 379	49-05-20			52100	2700	A 380000
47-09-25			660	500	A 891	49-05-22			55000	2000	A 297000
47-10-03			480	200	A 259	49-05-23			49300	2800	A 373000
47-10-08			480	400	A 518	49-05-27			41800	2400	A 271000
47-10-13			435	100	A 117	49-05-31			20200	1200	A 65400
47-10-21			441	100	A 119	49-06-14			23100	1300	A 81100
47-10-27			523	400	A 565	49-06-17			25700	900	A 62500
47-11-04			603	100	A 163	49-06-28			7940	700	A 15000
47-11-13			462	100	A 125	49-07-14			8000	900	A 19400
47-11-16			510	100	A 138	49-07-21			4750	300	A 3850
47-11-22			666	100	A 180	49-07-24			3950	200	A 2130
47-11-30			617	100	A 167	49-07-26			4600	400	A 4970
47-12-07			1300	200	A 702	49-07-31			3620	700	A 6840
47-12-14			1270	200	A 686	49-08-01			10300	1600	A 44500

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

07152500 ARKANSAS RIVER AT RALSTON, OKLA.--CONTINUED

85

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-08-02			8170	1400	A 30900	51-02-27			3310	200	A 1790
49-08-07			3220	200	A 1740	51-03-13			2400	200	A 1300
49-08-10			2870	200	A 1550	51-03-27			2020	100	A 545
49-08-14			3320	200	A 1790	51-04-10			6080	1100	A 18100
49-08-21			2470	100	A 667	51-04-24			2340	200	A 1260
49-08-30			1720	100	A 464	51-05-03			53400	3500	A 505000
49-09-04			3840	1700	A 17600	51-05-04			43000	3400	A 395000
49-09-13			13200	1700	A 60600	51-05-08			7430	800	A 16000
49-09-14			18800	3300	A 168000	51-05-18			30300	3900	A 319000
49-09-16			9220	1100	A 27400	51-05-19			63100	4000	A 681000
49-09-25			5560	600	A 9010	51-05-20			101000	1700	A 464000
49-09-29			3090	200	A 1670	51-05-21			94200	1200	A 305000
49-10-02			2380	200	A 1290	51-05-23			71900	2800	A 544000
49-10-09			1920	100	A 518	51-05-24			95300	1300	A 335000
49-10-11			2040	100	A 551	51-05-25			75400	1300	A 265000
49-10-16			3260	300	A 2640	51-05-29			27400	1900	A 141000
49-10-25			5550	1000	A 15000	51-06-06			9970	500	A 13500
49-10-30			2980	300	A 2410	51-06-19			17900	1500	A 72500
49-11-06			2230	200	A 1200	51-06-26			81500	2600	A 572000
49-11-07			2360	100	A 637	51-06-27			90000	1500	A 365000
49-11-13			2120	200	A 1140	51-07-02			104000	2700	A 758000
49-11-20			1940	200	A 1050	51-07-03			133000	2600	A 934000
49-11-21			2030	100	A 548	51-07-04			105000	1600	A 454000
49-11-27			1850	200	A 999	51-07-19			38800	1700	A 178000
49-12-04			1780	100	A 481	51-07-31			10100	600	A 16400
49-12-06			1890	100	A 510	51-08-14			9190	1000	A 24800
49-12-18			1700	200	A 918	51-08-28			4470	400	A 4830
49-12-20			1820	100	A 491	51-09-11			23400	2100	A 133000
49-12-25			1830	200	A 988	51-09-25			25600	3100	A 214000
50-01-05			2460	300	A 1990	51-10-10			9900	1600	A 42800
50-01-08			1820	200	A 983	51-10-23			4340	200	A 2340
50-01-10			1880	200	A 1020	51-11-08			4920	400	A 5310
50-01-15			2100	200	A 1130	51-11-20			5390	300	A 4370
50-01-18			2110	400	A 2280	51-12-05			4820	200	A 2600
50-01-22			2060	100	A 556	51-12-18			3740	100	A 1010
50-01-29			1760	200	A 950	52-01-23			4350	100	A 1170
50-02-01			1160	100	A 313	52-02-05			3510	100	A 948
50-02-05			1620	200	A 875	52-02-20			2830	200	A 1530
50-02-15			8080	100	A 2180	52-03-06			4440	200	A 2400
50-02-19			2330	100	A 629	52-03-11			23300	2900	A 182000
50-03-01			1920	200	A 1040	52-03-12			23690	2400	A 154000
50-03-15			1510	100	A 408	52-03-18			9290	800	A 20100
50-03-28			1520	100	A 410	52-04-03			3910	100	A 1060
50-04-23			1160	100	A 313	52-04-16			4830	400	A 5220
50-04-26			1080	100	A 292	52-04-24			20800	2400	A 135000
50-05-08			1300	300	A 1050	52-04-29			9280	1000	A 25100
50-05-10			16900	2400	A 110000	52-05-15			4390	300	A 3560
50-05-14			4000	600	A 6480	52-05-27			4810	1000	A 13000
50-05-16			2250	400	A 2430	52-06-11			4940	800	A 10700
50-05-21			2190	200	A 1180	52-06-24			1890	200	A 1020
50-05-28			4850	800	A 10500	52-07-25			925	100	A 250
50-05-31			1680	200	A 907	52-08-07			812	100	A 219
50-06-05			22500	4500	A 273000	52-08-19			1190	500	A 1610
50-06-11			4170	400	A 4500	52-09-08			695	100	A 188
50-06-18			2230	200	A 1200	52-09-24			549	100	A 148
50-06-20			1710	300	A 1390	52-10-08			269	100	A 73
50-07-02			2160	200	A 1170	52-11-18			616	100	A 166
50-07-05			1520	200	A 821	52-12-04			644	100	A 174
50-07-10			8940	7100	A 171000	52-12-17			854	100	A 231
50-07-16			3640	600	A 5900	52-12-31			888	200	A 480
50-07-18			76200	4000	A 823000	53-01-14			1020	200	A 551
50-07-19			53800	1300	A 189000	53-01-28			1180	200	A 637
50-07-20			47600	1800	A 231000	53-02-10			1040	400	A 1120
50-07-25			10600	1000	A 28600	53-02-25			1120	100	A 302
50-08-01			54200	2900	A 424000	53-03-11			1730	200	A 934
50-08-02			62000	2200	A 368000	53-03-23			1500	300	A 1220
50-08-04			84600	2000	A 457000	53-04-09			1810	400	A 1950
50-08-07			39600	1600	A 171000	53-04-22			1170	100	A 316
50-08-10			36700	1800	A 178000	53-05-07			1220	300	A 988
50-08-16			12100	1100	A 35900	53-05-19			2140	600	A 3470
50-08-21			13910	1600	A 60100	53-06-01			11700	2200	A 69500
50-08-24			12900	1200	A 41800	53-06-03			2350	600	A 3810
50-08-27			8240	400	A 8900	53-06-17			772	100	A 208
50-08-29			13400	1800	A 65100	53-07-02			496	900	A 1210
50-09-10			5830	200	A 3150	53-07-13			2400	2900	A 18800
50-09-12			4880	500	A 6590	53-07-20			3640	1470	A 14400
50-09-17			5420	200	A 2930	53-07-30			1110	90	A 270
50-09-19			7700	700	A 14600	53-08-18			1540	1090	A 4530
50-09-20			6480	800	A 14000	53-09-08			563	110	A 167
50-09-26			4140	700	A 7820	53-10-06			183	40	A 20
50-10-12			5390	1400	A 20400	53-11-03			50	50	A 74
50-10-25			2380	300	A 1930	53-11-23			1550	450	A 1880
50-11-08			2110	200	A 1140	53-12-09			1120	1050	A 3180
50-11-20			1940	100	A 524	53-12-21			621	100	A 168
50-12-19			2080	100	A 562	54-01-05			839	130	A 294
51-01-03			1850	300	A 1500	54-02-02			620	80	A 134
51-01-16			1840	400	A 1990	54-03-16			623	70	A 118
51-01-30			1350	200	A 729	54-04-13			536	100	A 145
51-02-12			1820	100	A 491	54-05-03			3980	1650	A 17700

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## ARKANSAS RIVER BASIN

07152500 ARKANSAS RIVER AT RALSTON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
54-05-13			1200	250	A 810	60-01-05			3420	540	A 4990
54-05-27			5480	2690	A 39800	60-01-13			3100	480	A 4020
55-04-05			398	40	A 43	60-02-01			4480	410	A 4960
55-04-19			340	40	A 37	60-02-20			5140	4020	A 55800
55-05-04			408	130	A 143	60-03-07			3400	290	A 2660
55-05-09			7640	1760	A 36300	60-03-16			16100	2250	A 97800
55-05-10			7160	2350	A 45400	60-04-05			9900	1810	A 48400
55-05-12			5670	820	A 12600	60-04-19			7050	2160	A 41100
55-05-13			2860	590	A 4560	60-05-03			6400	1750	A 30200
55-05-23			7540	1590	A 32400	60-05-19			5170	1870	A 26100
55-05-28			30200	5480	A 447000	60-06-01			13500	4960	A 181000
55-05-30			16500	1980	A 88200	60-06-14			11800	1600	A 51000
55-06-10			4860	970	A 12700	60-07-05			8170	2320	A 51200
55-06-21			24200	2930	A 191000	60-07-19			4710	950	A 12100
55-07-06			2720	260	A 1910	60-08-17			2370	1860	A 11900
55-08-05			1010	240	A 654	60-08-25			2110	240	A 1370
55-10-03			35900	6490	A 629000	60-08-29			35700	3880	A 374000
55-10-06			43300	2560	A 299000	60-09-08			3510	610	A 5780
55-10-10			7300	1150	A 22700	60-09-20			2130	870	A 5000
55-10-17			2390	170	A 1100	60-10-03			2290	90	A 556
56-05-01			518	50	A 70	60-10-25			3180	700	A 6010
56-06-04			316	50	A 43	60-11-02			20500	3310	A 183000
56-07-02			392	70	A 74	60-12-05			1780	120	A 577
56-08-21			94	50	A 13	61-01-03			2020	110	A 600
56-11-15			129	50	A 17	61-02-01			1820	530	A 2600
56-11-27			101	30	A 8.2	61-03-01			2340	470	A 2970
56-12-04			87	70	A 16	61-04-03			8300	1230	A 27600
56-12-10			179	140	A 68	61-05-01			6260	3540	A 59800
56-12-17			124	50	A 17	61-05-07			12700	5010	A 172000
57-01-03			179	50	A 24	61-05-08			161000	1310	A 569000
57-01-09			214	30	A 17	61-05-15			11000	820	A 24400
57-01-21			160	40	A 17	61-06-01			4820	17200	A 224000
57-02-05			188	190	A 96	61-06-15			6500	2930	A 51400
57-02-12			232	210	A 132	61-07-17			5960	3920	A 63100
57-02-21			243	60	A 39	61-08-01			4520	340	A 4150
57-02-27			256	180	A 124	61-08-15			18800	3100	A 157000
57-03-05			354	60	A 57	61-09-06			3580	770	A 7440
57-03-11			304	30	A 25	61-09-21			9240	1760	A 43900
57-04-02			1110	200	A 599	61-10-03			5840	390	A 6150
57-04-05			15100	5690	A 232000	61-10-11			71700	9380	A 1820000
57-04-10			3040	1280	A 10500	61-10-17			11000	1810	A 53800
57-04-23			23500	4940	A 313000	61-11-04			100000	4600	A 1240000
57-05-07			5010	1620	A 21900	61-11-06			32200	2630	A 229000
57-05-24			34500	1170	A 109000	61-11-14			7680	4370	A 90600
57-06-07			16300	4230	A 186000	62-01-30			22800	2700	A 166000
57-07-22			4540	190	A 2330	62-02-05			10700	1290	A 37300
57-08-07			3320	640	A 5740	62-02-14			4880	200	A 2640
57-08-16			1930	270	A 1410	62-03-06			3660	4340	A 42900
57-09-09			1140	90	A 277	62-03-20			3080	120	A 998
57-09-18			7400	2370	A 47400	62-04-18			2400	80	A 518
57-10-01			3240	2530	A 22100	62-05-16			1590	120	A 515
57-10-21			2110	140	A 798	62-06-04			24300	3970	A 260000
57-11-05			2400	1500	A 9720	62-07-16			5410	2500	A 36500
57-12-17			1600	80	A 346	62-08-02			6200	2450	A 41000
58-01-16			1820	40	A 197	62-09-04			1840	500	A 2480
58-03-04			3100	1470	A 12300	62-09-18			13300	5440	A 195000
58-03-19			8170	1680	A 37100	62-10-02			4240	760	A 8700
58-04-01			29500	2240	A 178000	62-10-16			2850	350	A 2690
58-04-09			9580	1700	A 44000	62-11-05			1640	80	A 354
58-05-20			4800	410	A 5310	62-12-05			2910	570	A 4480
58-06-10			4580	2010	A 24900	62-12-19			1780	90	A 433
58-07-07			55600	2540	A 381000	63-02-04			1690	700	A 3190
58-09-19			21200	4510	A 258000	63-02-13			2180	220	A 1290
58-10-20			2090	3430	A 19400	63-03-05			2000	360	A 1940
58-11-04			1520	240	A 985	63-03-19			2590	180	A 1260
58-11-19			1600	110	A 475	63-04-02			1660	200	A 896
59-01-13			1530	70	A 289	63-04-16			1200	90	A 292
59-02-04			1130	80	A 244	63-05-02			1410	390	A 1480
59-02-17			2260	170	A 1040	63-05-21			665	130	A 233
59-03-02			1730	70	A 327	63-06-04			2540	9230	A 63300
59-03-16			2220	920	A 5510	63-06-18			1240	170	A 569
59-04-02			3900	930	A 9790	63-07-01			4350	2660	A 31200
59-04-15			3350	530	A 4790	63-07-15			8130	2120	A 46500
59-05-10			10400	4170	A 117000	63-08-06			1270	250	A 857
59-05-19			4620	1380	A 17200	63-09-11			8090	3480	A 76000
59-05-20			7690	2890	A 60000	63-09-24			2410	1470	A 9570
59-06-02			5890	660	A 10500	63-10-08			1060	450	A 1290
59-06-09			2780	2820	A 21200	63-11-04			1270	220	A 754
59-06-15			1910	1050	A 5410	64-01-03			1160	210	A 658
59-07-02			1720	310	A 1440	64-04-13			1550	1260	A 5270
59-07-20			32300	1860	A 162000	64-05-04			2700	3810	A 27800
59-07-24			30100	3290	A 267000	64-05-13			4290	1200	A 13900
59-08-05			2660	240	A 1720	64-06-05			2780	3790	A 28400
59-09-02			1460	1920	A 7570	64-06-16			1580	170	A 725
59-09-26			30600	5040	A 416000	64-07-02			999	110	A 297
59-10-14			23800	2030	A 130000	64-09-02			8840	2430	A 58000
59-11-03			5560	4750	A 71300	64-09-16			1650	880	A 3920
59-12-15			2320	230	A 1440	64-10-28			26000	3980	A 279000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

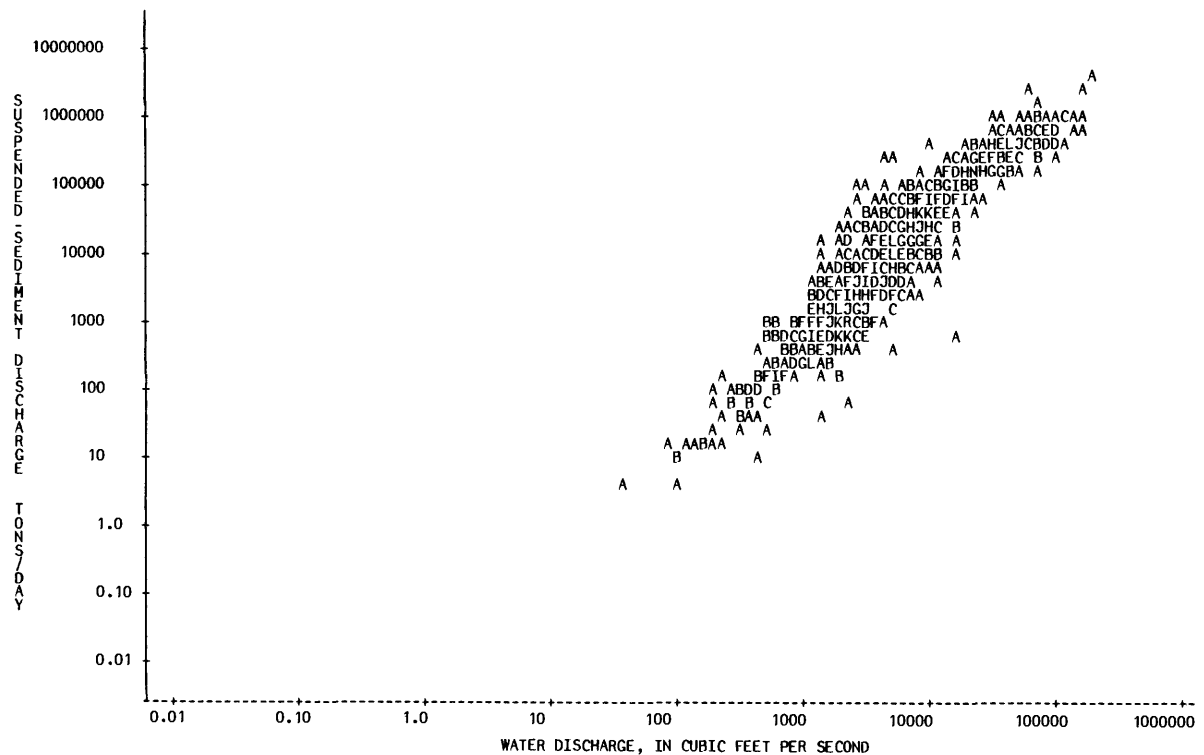
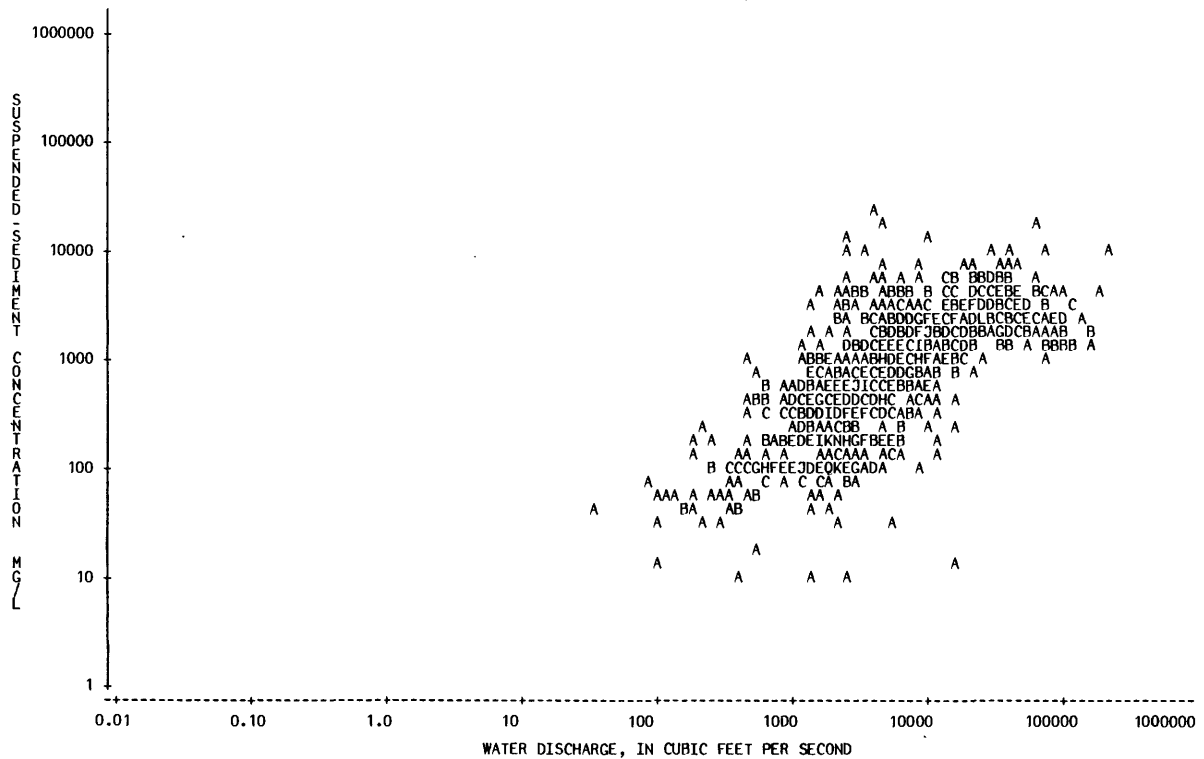
07152500 ARKANSAS RIVER AT RALSTON, OKLA.--CONTINUED

87

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-11-06			33600	3930	A 357000	73-03-07			40500	1960	A 214000
64-11-08			149000	1620	A 652000	73-03-11			83000	1470	A 329000
64-11-19			154000	2070	A 861000	73-04-18			21200	700	A 40100
64-11-25			10100	12300	A 335000	73-05-23			5370	1210	A 17500
65-01-14			2380	2740	A 17600	73-07-11			1550	320	A 1340
65-02-01			2100	360	A 2040	73-09-12			1380	280	A 1040
65-03-17			3280	10200	A 90300	73-10-03			42600	5370	A 618000
65-04-08			12600	160	A 5440	73-10-13			202000	9130	A 4980000
65-06-02			4450	7730	A 92900	73-10-15			12900	2630	A 91600
65-06-08			50100	7270	A 983000	73-10-19			34300	2190	A 203000
65-06-15			31500	10200	A 868000	73-11-25			15500	250	A 10500
65-07-02			18800	1090	A 55300	73-11-29			7400	820	A 16400
65-07-29			3690	650	A 6480	73-12-18			6400	250	A 4320
65-09-02			1860	410	A 2060	74-01-29			7050	350	A 6660
65-09-15			4330	950	A 11100	74-02-21			5500	610	A 9060
65-10-15			2440	10	A 66	74-03-12			86200	4300	A 1000000
65-11-08			2200	2420	A 14400	74-04-03			5010	220	A 2980
66-01-05			2470	5750	A 38300	74-04-15			6040	280	A 4570
66-02-17			4140	23800	A 266000	74-04-24			41700	3050	A 343000
66-03-01			2930	4190	A 33100	74-06-07			23700	3350	A 214000
66-03-16			2490	1170	A 7870	74-07-17			1400	780	A 2950
66-03-31			1790	110	A 532	74-08-14			2250	150	A 911
66-06-17			1920	1050	A 5440	74-11-07			76700	3760	A 779000
66-07-01			1670	840	A 3790	75-01-07			7800	370	A 7790
66-09-14			2310	2470	A 15400	75-01-30			3080	240	A 2000
67-06-24			15400	5490	A 228000	75-02-26			9100	5220	A 128000
67-07-02			24200	2680	A 175000	75-04-29			4160	2240	A 25200
67-07-19			8220	2670	A 59300	75-05-23			16200	690	A 30200
67-08-02			4000	5140	A 55500	75-06-19			46400	3860	A 484000
67-09-08			5120	3510	A 48500	75-08-13			1500	3720	A 15100
67-09-19			4330	520	A 6080	77-01-05			1410	100	A 381
67-10-02			2390	3200	A 20600	77-05-05			2250	450	A 2730
67-10-13			7390	1400	A 27900	77-06-09			8850	280	A 6690
68-02-15			1170	70	A 221	77-07-06			10570	250	A 7130
68-02-28			1260	100	A 340	77-08-03			1060	90	A 258
68-05-01			2500	400	A 2700	77-09-07			18800	1030	A 52300
68-05-15			8410	1710	A 38800	77-10-05	1400		3750	110	A 1110
68-05-26			36300	7250	A 711000	77-11-09	1215		4280	600	A 6930
68-06-19			16500	2170	A 96700	77-12-07	1530		1600	60	A 259
68-07-31			4970	3890	A 52200	78-01-10	1430		1350	63	A 230
68-08-20			45010	3990	A 485000	78-02-03	1000		1350	38	A 139
68-10-01			1340	430	A 1560	78-03-03	1200		11580	131	A 4100
68-10-15			2360	1070	A 6820	78-03-09	1215		5010	130	A 1760
69-02-05			2425	610	A 3990	78-03-20			5080	33	A 453
69-02-25			6450	3020	A 52600	78-04-06	1230		6350	1380	A 23700
69-04-30			39200	10300	A 1090000	78-04-19			3100	80	A 670
69-05-15			10100	4290	A 117000	78-05-11	0900		5752	138	A 2140
69-05-28			20300	1580	A 86600	78-05-19			5920	2140	A 34200
69-06-17			10500	450	A 12800	78-06-07	1240		9070	480	A 11800
69-06-26			52700	3390	A 482000	78-06-22	1600		6410	228	A 3950
69-09-04			3990	2160	A 23300	78-07-19	1500		831	71	A 159
69-09-25			8060	960	A 20900	78-08-10	1430		418	39	A 44
69-10-17			3520	1550	A 14700	78-09-19	1600		36	45	A 4.4
69-11-20			1560	90	A 379	78-10-04			1250	250	A 844
69-12-10			2530	70	A 478	78-10-23	1645		156	44	A 19
70-01-30			2660	120	A 862	78-11-03			6950	1130	A 21200
70-02-19			2040	4920	A 27100	78-11-14	1345		421	94	A 107
70-03-12			1430	1050	A 4050	78-12-27	1030		356	87	A 84
70-04-02			14200	3350	A 128000	79-02-08	1240		630	106	A 180
70-04-03			46600	3460	A 435000	79-03-07	1400		12800	922	A 31900
70-04-20			96500	2610	A 680000	79-04-17	1600		5670	188	A 2880
70-05-15			4750	6030	A 77300	79-05-22	1340		6670	197	A 3550
70-06-12			2320	150	A 940	79-06-19	1330		6640	184	A 3300
70-06-16			15500	2310	A 96700	79-07-10	1000		3040	369	A 3030
70-07-23			1120	80	A 242	79-08-21	1430		556	18	A 27
70-10-02			2120	340	A 1950	79-09-13	1600		1690	160	A 730
70-10-22			1400	660	A 2490	79-09-25	1320		630	73	A 124
71-02-25			1509	380	A 1550	79-10-04	1015		455	122	A 150
71-03-19			3350	3760	A 34000	79-10-11	1417		422	10	A 11
71-04-16			1160	250	A 783	79-11-07	1348		15000	880	A 35600
71-05-13			1460	1120	A 4420	79-11-19	1500		6780	121	A 2220
71-06-09			7400	2340	A 46800	79-11-23	1350		24600	2200	A 146000
71-07-29			1580	450	A 1920	79-12-12	1230		3090	104	A 868
71-08-19			1340	520	A 1880	79-12-13	1648		2880	250	A 1940
71-09-29			1850	1730	A 8640	80-01-09	1355		2260	60	A 366
71-10-20			1580	370	A 1580	80-01-16	1045		2040	196	A 1080
71-11-10			3050	380	A 3130	80-02-14	0945		2630	167	A 1190
71-12-02			3700	410	A 4100	80-03-07	1100		5140	117	A 1620
72-02-15			1420	10	A 38	80-03-12	1250		2070	30	A 168
72-03-29			1020	280	A 771	80-04-09	1300		16300	410	A 18000
72-05-10			3530	310	A 2950	80-04-10	1300		16900	13	A 593
72-06-01			1310	180	A 637	80-05-06	1300		6580	1220	A 21700
72-07-12			2620	13500	A 95500	80-05-07	1310		5090	120	A 1650
72-07-21			6790	1310	A 24000	80-06-04	1350		3620	120	A 1170
72-08-02			1400	3380	A 12800	80-07-15	1130		1170	427	A 1350
72-09-13			3200	910	A 7860	80-08-19	1330		5020	1110	A 15000
73-01-17			5610	400	A 6060	80-09-04	1153		492	60	A 80
73-02-05			22800	1710	A 105000	80-09-23	1400		99	14	A 3.7

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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07152500 ARKANSAS RIVER AT RALSTON, OKLA.



## ARKANSAS RIVER BASIN

07153000 BLACK BEAR CREEK AT PAWNEE, OKLA.

LOCATION.--Lat 36°20'37", long 96°47'57", on east line of SE 1/4 NE 1/4 sec.31, T.22 N., R.5 E., Pawnee County, Hydrologic Unit 11060006, on downstream side of left pier of bridge on State Highway 18 in north Pawnee, 300 ft (91.4 m) downstream from Skedee Creek, and at mile 23.4 (37.7 km).

DRAINAGE AREA.--576 mi<sup>2</sup> (1,492 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-50, 1952-53, 1955-64, 1969, 1980.

REMARKS.--Initial upstream floodwater-retarding structure was completed in May 1962. As of October 1979, 223 mi<sup>2</sup> (577 km<sup>2</sup>) of the drainage area above the station was controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-08-21			5.0	200	A 2.7	46-04-22			24	200	A 13
44-08-28			4.0	200	A 2.2	46-05-08			168	100	A 45
44-09-06			188	200	A 102	46-05-23			31	100	A 8.4
44-09-20			2.0	100	A 0.54	46-07-08			13	200	A 7.0
44-09-28			1030	4300	A 12000	46-09-03			788	4100	A 8720
44-10-11			1060	6300	A 18000	47-03-19			9.0	200	A 4.9
44-11-03			830	2900	A 6500	47-04-17			6140	1400	A 23200
44-11-11			65	700	A 123	47-04-28			183	900	A 445
44-11-22			13	100	A 3.5	47-05-14			561	1300	A 1970
44-11-30			22	400	A 24	47-05-17			4960	1300	A 17400
44-12-07			6450	1400	A 24400	47-05-21			1760	3500	A 16600
44-12-13			47	300	A 38	47-07-02			199	600	A 322
44-12-19			34	800	A 73	47-12-04			14	200	A 7.6
44-12-29			27	300	A 22	48-04-26			2060	5700	A 31700
45-01-09			21	100	A 5.7	48-05-12			1170	2100	A 6630
45-01-24			135	300	A 109	48-07-12			202	700	A 382
45-02-08			19	100	A 5.1	48-08-08			3510	2200	A 20800
45-03-01			43	200	A 23	49-03-04			53	200	A 29
45-03-20			96	100	A 26	49-03-31			33	100	A 8.9
45-03-25			2580	6900	A 48100	49-05-02			2250	3200	A 19400
45-04-13	0001		5420	1700	A 24900	49-05-19			3700	2000	A 20000
45-04-13	0002		4970	2300	A 30900	49-05-27			4190	1100	A 12400
45-04-17			8720	2400	A 56500	49-07-14			137	400	A 148
45-04-27			152	400	A 164	49-09-14			21	300	A 17
45-05-09			215	1000	A 580	49-10-26			76	100	A 21
45-06-21			3180	300	A 2580	50-07-10			1220	5300	A 17500
45-06-25			139	500	A 188	50-07-19			750	2100	A 4250
45-06-29			3470	1300	A 12200	50-07-20			1990	3200	A 17200
45-06-30			2200	3200	A 19000	52-03-11			2570	3800	A 26400
45-07-13			167	500	A 225	52-03-12			1785	1400	A 6750
45-07-24			28	200	A 15	52-03-18			1000	1300	A 3510
45-08-27			9.0	100	A 2.4	52-04-24			452	1800	A 2200
45-09-11			4.0	200	A 2.2	53-07-13			2530	2100	A 14300
45-09-27			2220	2300	A 13800	53-07-14			2510	1400	A 9490
45-09-29			12600	1100	A 37400	55-05-09			2010	5630	A 30600
45-09-30			17100	800	A 36900	55-05-10			2700	3480	A 25400
45-10-01			11100	700	A 21000	55-05-11			4660	2120	A 26700
45-10-02			8400	700	A 15900	55-05-12			3900	1480	A 15600
45-10-03			2610	1000	A 7050	55-05-13			562	1730	A 2630
45-10-10			75	200	A 40	55-05-24			878	2420	A 5740
45-10-23			36	200	A 19	55-05-26			3250	2430	A 21300
45-11-01			33	200	A 18	55-05-27			3700	1880	A 18800
45-11-05			27	200	A 15	55-06-21			419	2200	A 2490
45-11-15			30	100	A 8.1	55-10-03			1680	7390	A 33500
45-12-27			21	500	A 28	57-04-04			804	5890	A 12800
46-01-09			2160	3300	A 19200	57-04-18			3340	4580	A 41300
46-01-17			47	100	A 13	57-04-19			3850	4510	A 46900
46-01-29			26	300	A 21	57-04-22			2990	2590	A 20900
46-02-12			22	500	A 30	57-04-23			5010	1900	A 25700
46-02-27			57	400	A 62	57-04-24			3370	2860	A 26000
46-03-11			47	900	A 114	57-05-27			6340	1260	A 21600
46-03-25			64	700	A 121	58-06-26			2100	3000	A 17000
46-04-08			41	200	A 22	58-09-19			117	1430	A 452

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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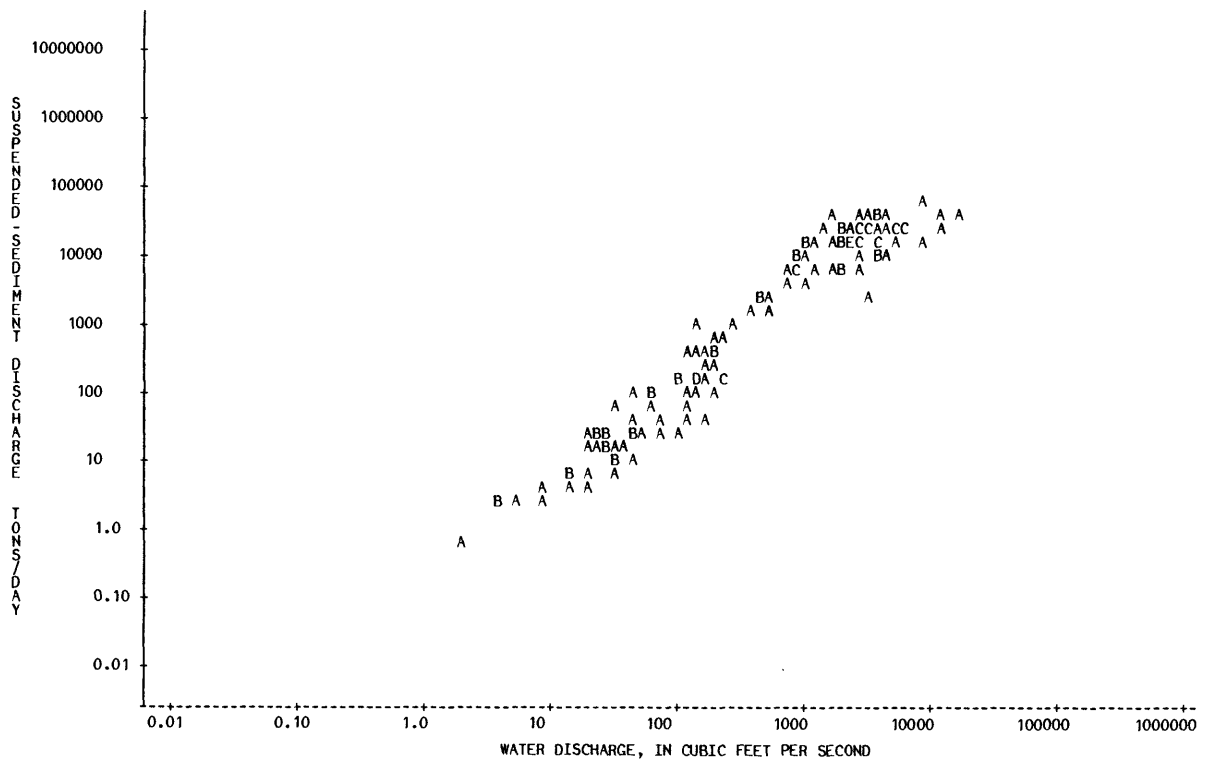
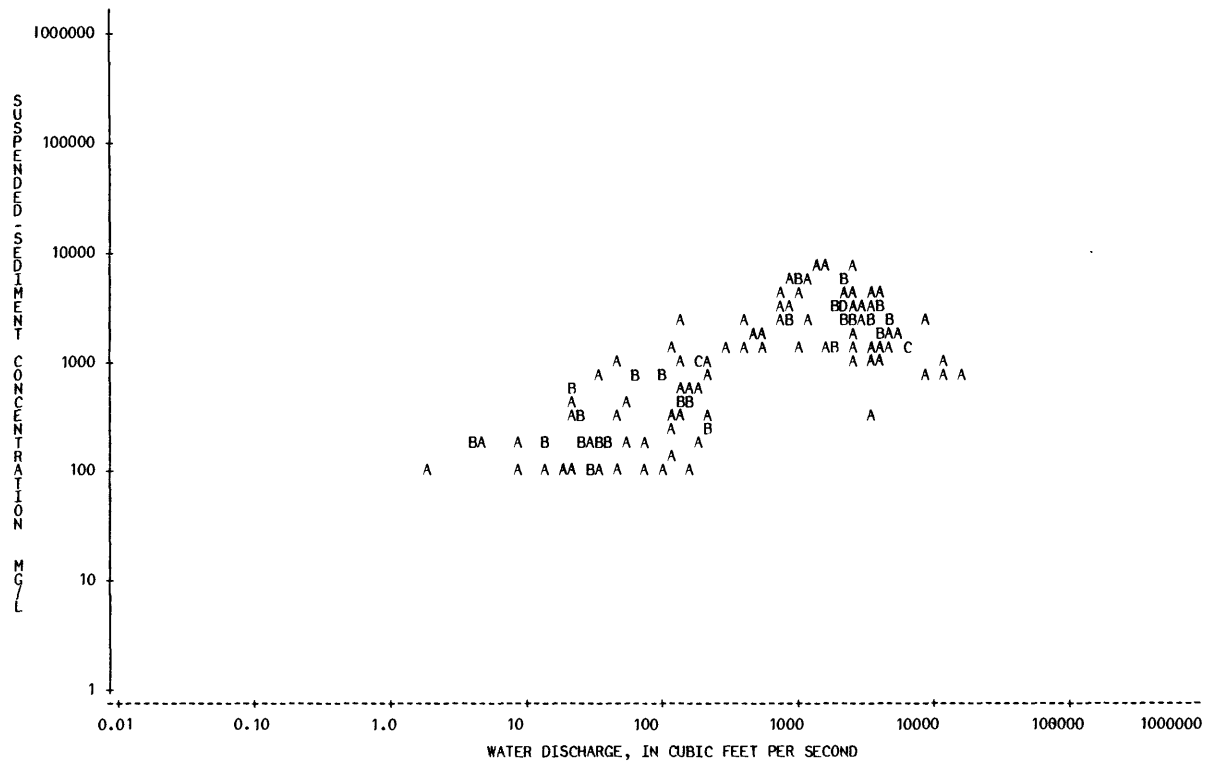
## ARKANSAS RIVER BASIN

07153000 BLACK BEAR CREEK AT PAWNEE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-07-22			4210	3540	A 40200						
59-07-28			1590	1470	A 6310						
59-08-17			121	120	A 39						
59-09-25			3890	3310	A 34800						
59-10-07			3680	880	A 8740						
59-10-14			223	340	A 205						
60-04-19			119	210	A 67						
60-05-19			808	2630	A 5740						
60-06-08			2670	1880	A 13600						
60-07-21			121	310	A 101						
60-08-26			2270	2670	A 16400						
61-07-17			1960	1400	A 7410						
61-08-15			212	230	A 132						
61-11-06			179	1080	A 522						
61-12-20			151	410	A 167						
62-08-01			131	370	A 131						
63-04-01			273	1260	A 929						
63-07-12			1320	6670	A 23800						
63-07-15			2660	2100	A 15100						
63-08-14			684	3140	A 5800						
63-09-05			2730	3080	A 22700						
63-09-10			97	770	A 202						
63-10-22			1080	6380	A 18600						
64-05-04			99	660	A 176						
64-05-13			405	1350	A 1480						
64-08-17			136	2370	A 870						
64-09-02			133	1050	A 377						
69-09-17			2290	4490	A 27800						
69-09-26			174	980	A 460						
80-06-04	1826		215	230	A 134						

\*\*\*\*\*  
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07153000 BLACK BEAR CREEK AT PAWNEE, OKLA.



## ARKANSAS RIVER BASIN

07155000 CIMARRON RIVER ABOVE UTE CREEK NEAR BOISE CITY, OKLA.

LOCATION.--Lat 36°55', long 102°36', in SE 1/4 sec.10, T.5 N., R.4 E., Cimarron County, Hydrologic Unit 11040002, 1,000 ft (304.8 m) downstream from Kohler's dam, 1 mi (1.6 km) upstream from Cold Springs Creek, 5.5 mi (8.8 km) upstream from Ute Creek, 14 mi (22.6 km) northwest of Boise City, and at mile 560.0 (901.0).

DRAINAGE AREA.--1,955 mi<sup>2</sup> (5,063 km<sup>2</sup>), of which 76 mi<sup>2</sup> (197 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-48, 1950.

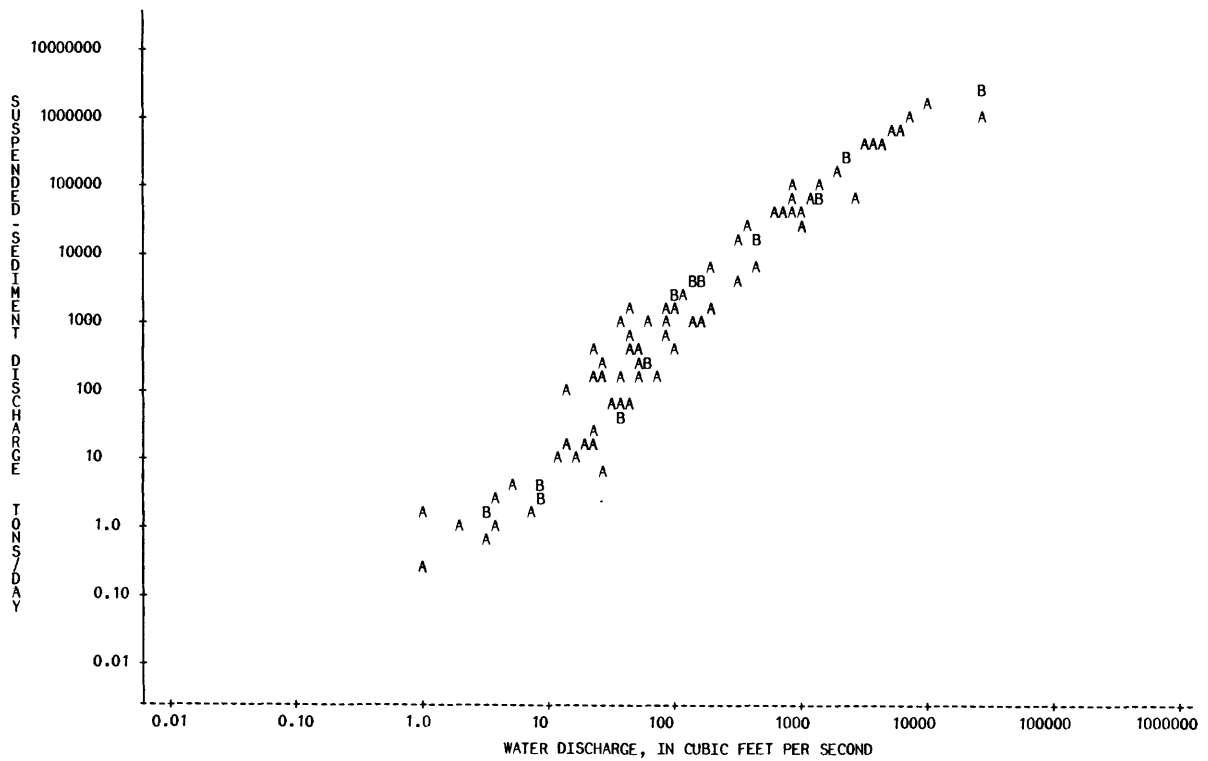
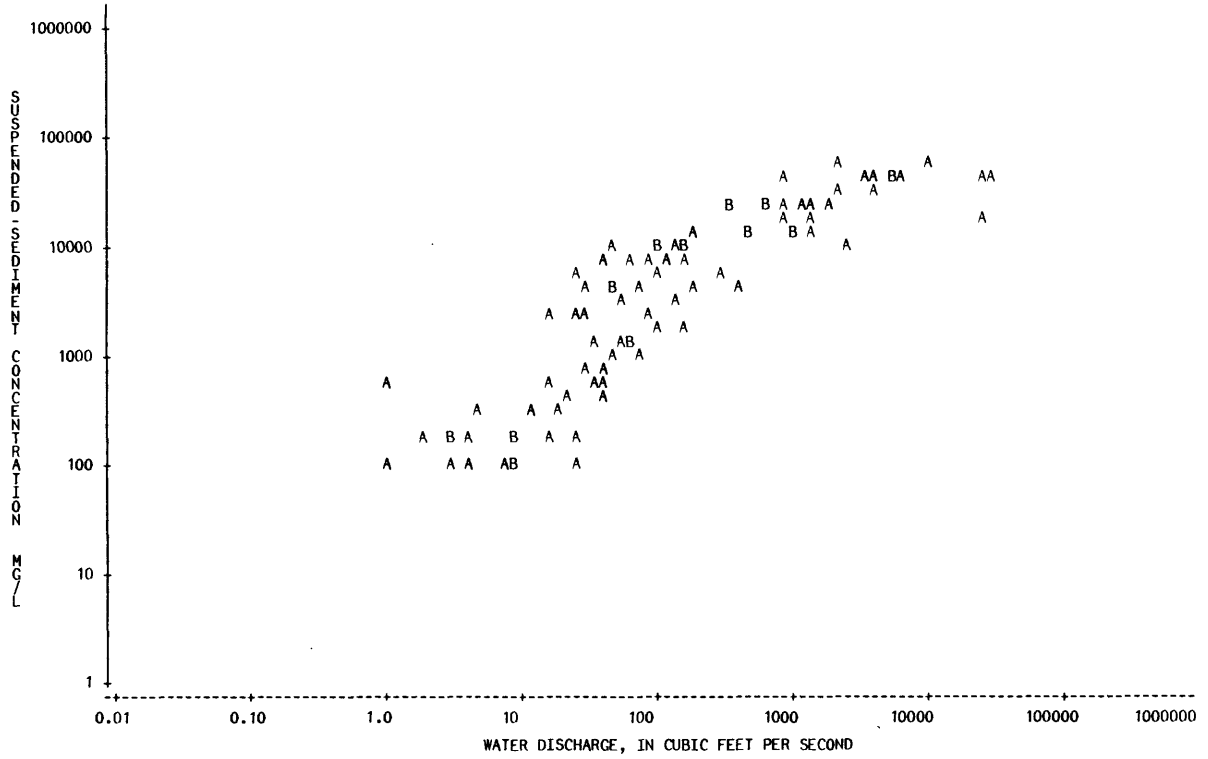
REMARKS.--Upstream diversions for irrigation.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-09			895	37700	A 91100	42-05-07			304	5700	A 4680
38-06-20			54	3000	A 437	42-07-13			100	1600	A 432
38-07-21			846	18800	A 42900	42-07-20			135	3200	A 1170
38-07-28			672	22000	A 39900	42-08-16			634	21100	A 36100
38-07-29			980	11900	A 31500	42-08-26			28	4200	A 318
38-08-04			1.0	600	A 1.6	42-09-02			3200	41800	A 361000
38-08-05			1.0	100	A 0.27	42-09-30			24	200	A 13
38-08-13			163	9200	A 4050	42-10-13			39	400	A 42
38-08-20			12	300	A 9.7	43-08-06			843	25800	A 58700
38-09-01			64	7300	A 1260	43-08-22			79	4000	A 853
38-09-02			105	11200	A 3180	44-04-20			60	1400	A 227
38-09-03			1184	24700	A 79000	44-04-30			187	4000	A 2020
38-09-04			25790	17600	A 1230000	44-05-06			55	1400	A 208
38-09-22			25	100	A 6.7	44-05-15			28	2200	A 166
38-09-29			23	400	A 25	44-06-08			90	2300	A 559
38-10-09			431	4900	A 5700	44-06-10			39	500	A 53
38-10-10			1451	13800	A 54100	44-06-16			16	200	A 8.6
38-10-29			9.0	100	A 2.4	44-07-05			8.0	200	A 4.3
38-11-02			8.0	200	A 4.3	44-07-12			3.0	200	A 1.6
38-12-13			3.0	200	A 1.6	44-07-18			4.0	200	A 2.2
38-12-28			7.0	100	A 1.9	44-07-25			36	1400	A 136
39-01-04			3.0	100	A 0.81	44-08-05			2.0	200	A 1.1
39-01-13			18	300	A 15	44-08-07			45	4800	A 583
39-01-23			15	500	A 20	44-08-23			24	6500	A 421
39-02-01			4.0	100	A 1.1	45-07-29			38	8600	A 882
39-02-14			9.0	100	A 2.4	45-08-16			75	900	A 182
40-05-27			47	10600	A 1350	45-09-03			24	2300	A 149
40-06-12			85	7500	A 1720	45-10-15			30	800	A 65
40-07-30			361	22400	A 21800	46-08-30			48	1000	A 130
40-08-06			15	2400	A 97	47-05-14			35	500	A 47
40-08-20			44	4100	A 487	48-06-03			99	9600	A 2570
40-09-04			953	14400	A 37100	48-06-22			137	9000	A 3330
40-10-04			96	6100	A 1580	48-08-05			324	23100	A 20200
41-04-14			5.0	300	A 4.1	48-08-08			1960	24700	A 131000
41-04-28			150	8700	A 3520	48-09-09			154	9400	A 3910
41-05-02			27400	43100	A 3190000	50-06-19			4130	34000	A 379000
41-05-13			64	1200	A 207	50-06-22			186	13800	A 6930
41-05-23			27000	38900	A 2840000						
41-05-24			2310	35400	A 221000						
41-05-27			162	1900	A 831						
41-06-02			2170	53200	A 312000						
41-06-17			1420	26300	A 101000						
41-06-27			444	15500	A 18600						
41-07-04			5690	49000	A 753000						
41-07-25			2520	11100	A 75500						
41-07-28			121	7800	A 2550						
41-08-20			6770	45700	A 835000						
41-08-21			1300	20300	A 71300						
41-09-21			5450	48400	A 712000						
41-09-23			10000	51900	A 1400000						
42-01-28			41	700	A 77						
42-04-24			3960	44500	A 476000						
42-05-01			471	14700	A 18700						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07155000 CIMARRON RIVER ABOVE UTE CREEK NEAR BOISE CITY, OKLA.



## ARKANSAS RIVER BASIN

07156750 CIMARRON RIVER NEAR LIBERAL, KANS.

LOCATION.--Lat 37°09', long 100°45', in sec.25, T.33 S., R.32 W., Seward County, Hydrologic Unit 11040006, at bridge on U.S. Highway 54, 13 mi (20.9 km) northeast of Liberal, and at mile 400.00 (643.6 km).

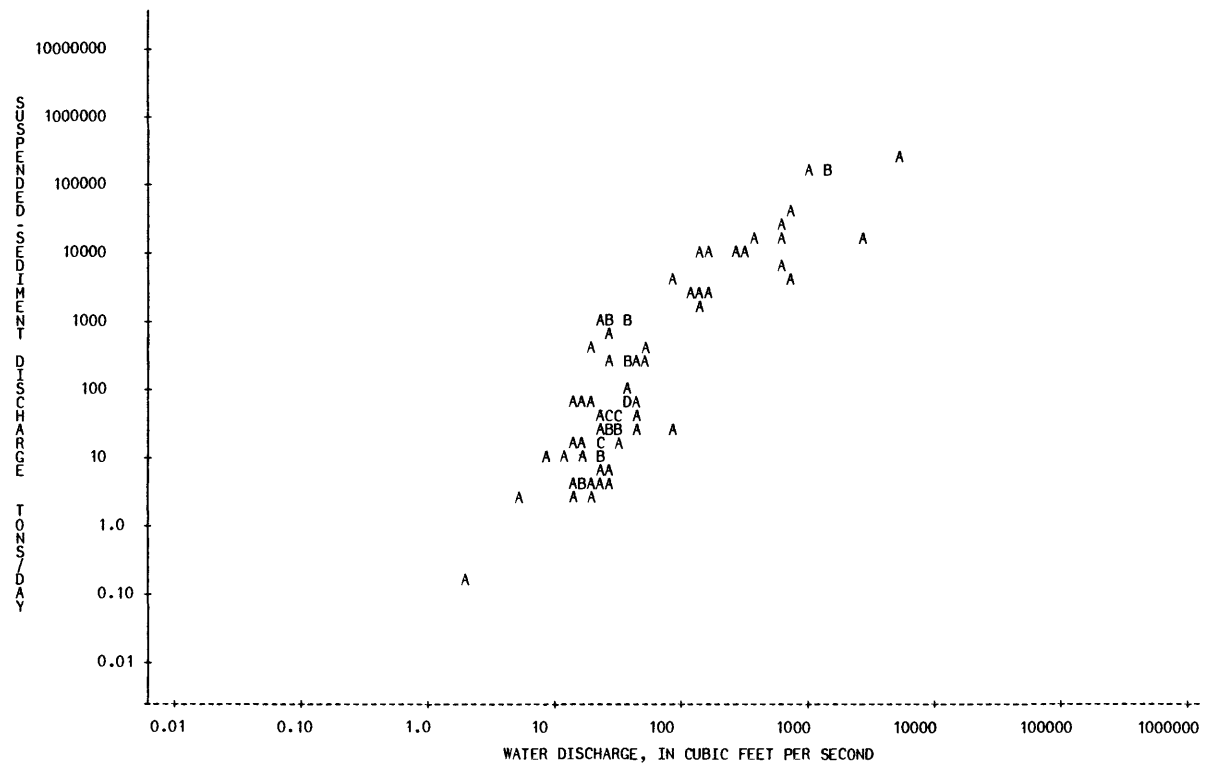
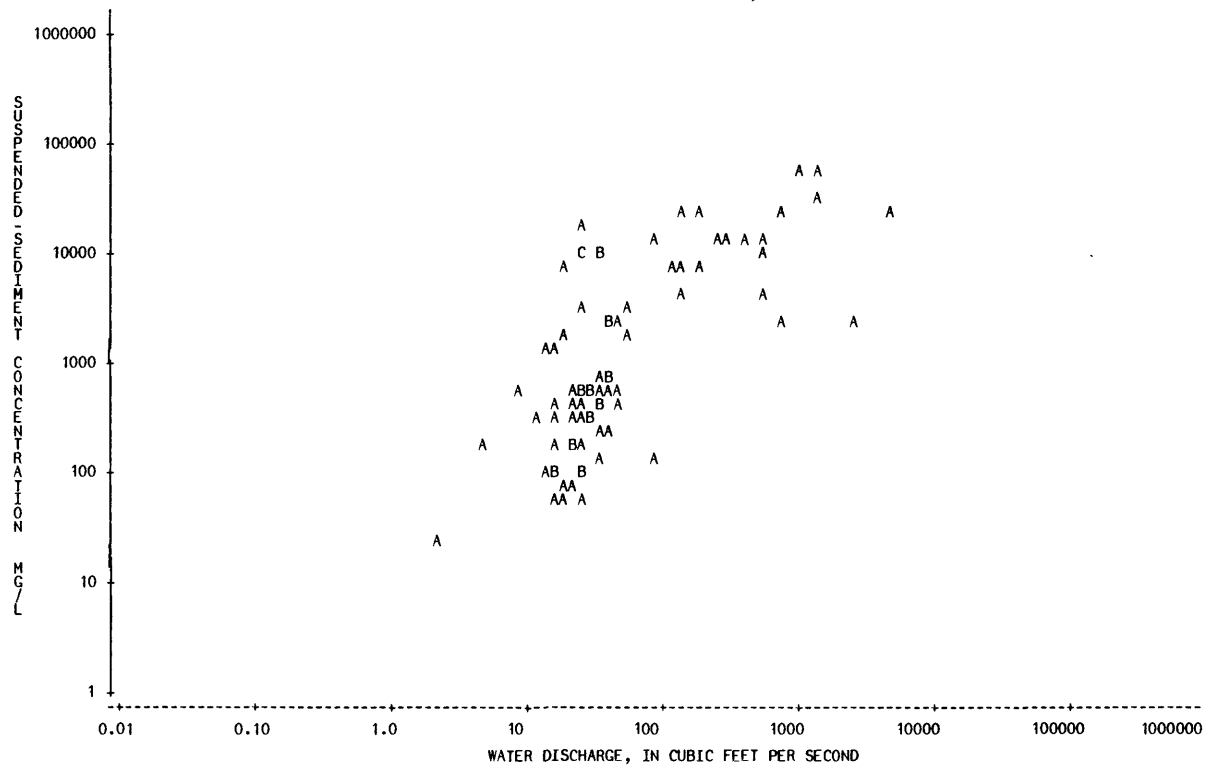
DRAINAGE AREA.--8,254 mi<sup>2</sup> (13,281 km<sup>2</sup>), of which 4,147 mi<sup>2</sup> (6,672 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-43, 1961, 1963-65, 1967-68, 1970-71, 1975.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		
38-08-30			20	7600	A 410	63-04-16			1425	85	*	136	31
38-09-21			46	2600	A 323	63-05-12			0100	300	*	12000	9720
38-09-28			30	500	A 40	63-06-19			1705	46	*	378	47
38-10-11			1440	35500	A 138000	64-04-21			1335	16	*	95	4.1
38-10-21			27	400	A 29	64-06-24			1000	19	*	60	3.1
38-10-25			27	500	A 36	64-08-20			1245	15	*	54	2.2
38-11-10			24	200	A 13	64-10-28			0955	23	*	74	4.6
38-11-16			30	300	A 24	65-03-16			1605	27	*	60	4.4
38-11-30			33	400	A 36	65-05-25			1645	33	*	244	22
38-12-14			17	100	A 4.6	65-07-27			1520	41	*	267	30
38-12-29			32	400	A 35	65-08-17			1325	35	*	564	53
39-01-05			22	600	A 36	65-08-23			5000	*		22600	305000
39-08-02			17	1500	A 69	65-09-21			1715	725	*	23600	46200
39-08-08			24	18300	A 1190	67-03-29			1610	32	*	155	13
39-08-15			37	2300	A 230	67-06-17			0800	580	*	14200	22200
40-05-01			16	200	A 8.6	67-06-17			0830	2700	*	2410	17600
40-05-08			390	14800	A 15600	67-07-10			0940	265	*	15500	11100
40-05-19			40	2200	A 238	67-07-12			1600	580	*	4860	7610
40-06-18			14	1500	A 57	67-08-16			1300	29	*	314	25
40-06-21			18	1600	A 78	67-10-04			0930	2.1	*	23	0.13
40-07-24			5.0	200	A 2.7	68-04-09			1200	25	*	104	7.0
40-09-26			9.0	500	A 12	68-06-20			0500	580	*	10300	16100
40-10-08			25	10300	A 695	68-08-02			1400	35	*	10700	1010
41-01-07			23	300	A 19	70-08-22			0500	27	*	11300	824
41-02-27			37	800	A 80	71-08-22			0500	27	*	11300	824
41-03-06			24	300	A 19	74-11-14			1200	19		69	3.5
41-03-20			23	*	200	75-09-18			1050	17		346	16
41-04-01			22	200	A 12								
41-04-18			25	3200	A 216								
41-05-05			1000	55500	A 150000								
41-06-28			1290	54000	A 188000								
41-06-30			133	25600	A 9190								
41-07-10			82	15300	A 3390								
41-07-31			120	7500	A 2430								
41-08-15			13	100	A 3.5								
41-09-19			11	300	A 8.9								
41-10-11			52	1800	A 253								
41-11-25			36	700	A 68								
41-12-26			15	400	A 16								
42-01-28			40	800	A 86								
42-02-26			44	500	A 59								
42-03-30			29	600	A 47								
42-05-11			172	6700	A 3110								
42-06-18			130	4100	A 1440								
42-06-24			745	2500	A 5030								
42-07-16			35	8800	A 832								
42-07-28			22	400	A 24								
42-08-17			140	7900	A 2990								
42-09-03			26	500	A 35								
42-10-13			37	600	A 60								
42-10-29			54	3100	A 452								
61-06-07	1430		175	*	26800	12700							
62-10-16	1235		24	*	114	7.4							

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07157000 CIMARRON RIVER NEAR MOCANE, OKLA.

LOCATION.--Lat 36°58'31", long 100°18'49", on west line of NW 1/4 sec.24, T.6 N., R.25 E., Beaver County, Hydrologic Unit 11040006, at county road bridge 6.5 mi (10.4 km) northeast Mocane, 13 mi (21 km) upstream from Crooked Creek, and at mile 364.1 (585.8 km).

DRAINAGE AREA.--8,670 mi<sup>2</sup> (22,455 km<sup>2</sup>), of which 4,365 mi<sup>2</sup> (11,305 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1942-48, 1964-66, 1977-78.

REMARKS.--Upstream diversion for irrigation. Suspended-sediment and bed-material particle-size data available.

DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-08-24	44	2100	A	249	44-09-07	37	200	A	20
42-08-26	46	2100	A	261	44-09-10	20	300	A	16
42-09-04	66	1500	A	267	44-09-12	29	300	A	23
42-09-30	22	700	A	42	44-09-14	27	300	A	22
42-10-14	181	4900	A	2390	44-09-16	26	200	A	14
42-11-02	55	200	A	30	44-09-18	30	200	A	16
42-11-16	51	1000	A	138	44-09-22	20	700	A	38
42-12-07	52	1800	A	253	44-09-24	26	300	A	21
43-01-30	107	1200	A	347	44-09-26	29	300	A	23
43-02-23	40	400	A	43	44-09-29	52	400	A	56
43-04-01	32	500	A	43	44-09-30	47	500	A	63
43-04-09	127	2300	A	789	44-10-06	63	1800	A	306
43-04-16	38	300	A	31	44-10-09	41	800	A	89
43-04-28	35	500	A	47	44-10-11	73	500	A	99
43-05-10	86	1300	A	302	44-10-13	44	500	A	59
43-08-05	485	8000	A	10500	44-10-16	48	500	A	65
43-10-06	35	200	A	19	44-10-25	42	400	A	45
43-10-27	46	400	A	50	44-11-03	41	600	A	66
43-11-11	46	800	A	99	44-11-06	43	400	A	46
43-11-17	51	600	A	83	44-11-08	65	2100	A	369
44-01-31	74	1600	A	320	44-11-13	41	1000	A	111
44-02-07	66	700	A	125	44-11-17	46	500	A	62
44-02-14	93	200	A	50	44-11-25	98	1400	A	370
44-02-21	64	1800	A	311	44-11-26	60	3000	A	486
44-03-03	70	200	A	38	44-11-27	54	2100	A	306
44-03-08	58	900	A	141	44-11-28	65	1800	A	316
44-03-13	52	900	A	126	44-11-29	50	2700	A	364
44-03-24	55	600	A	89	44-12-21	66	2400	A	428
44-04-01	70	2000	A	378	45-01-11	66	900	A	160
44-04-19	136	2100	A	771	45-01-25	102	2500	A	688
44-05-01	1110	13100	A	39300	45-02-08	57	900	A	139
44-05-29	907	17800	A	43600	45-03-06	44	900	A	107
44-06-01	778	19300	A	40500	45-03-23	38	1300	A	133
44-06-02	304	14500	A	11900	45-04-11	27	500	A	36
44-06-05	82	7500	A	1660	45-05-02	43	600	A	70
44-06-07	45	3500	A	425	45-05-22	29	100	A	7.8
44-06-09	48	1700	A	220	45-06-05	63	6300	A	1070
44-06-12	71	3900	A	748	45-06-20	28	2500	A	189
44-06-14	72	6700	A	1300	45-07-03	63	1500	A	255
44-06-19	20	600	A	32	45-07-07	79	1500	A	320
44-06-21	18	300	A	15	45-08-04	9.0	300	A	7.3
44-07-10	70	500	A	94	45-08-31	25	3200	A	216
44-07-12	36	500	A	49	45-10-03	47	1000	A	127
44-07-14	34	500	A	46	45-11-09	42	500	A	57
44-07-17	21	200	A	11	46-02-08	53	1000	A	143
44-07-19	33	400	A	36	47-01-15	119	300	A	96
44-07-21	73	800	A	158	47-05-16	138	1300	A	484
44-07-28	28	300	A	23	47-05-19	140	3400	A	1290
44-08-09	11	200	A	5.9	48-02-20	68	900	A	165
44-08-21	22	200	A	12	48-02-27	1040	5900	A	16600
44-08-25	81	1000	A	219	48-03-19	110	1200	A	356
44-08-31	36	1000	A	97	48-06-24	245	28700	A	19000
44-09-06	42	200	A	23	48-06-28	469	8200	A	10400

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

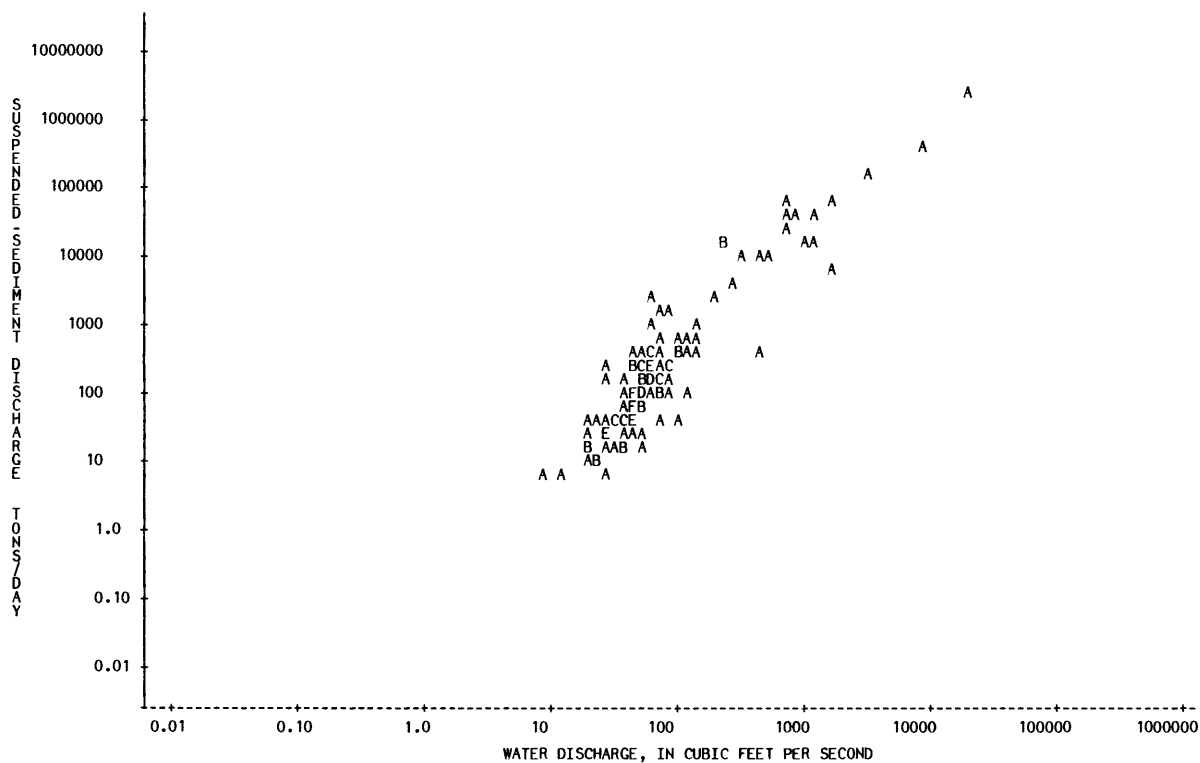
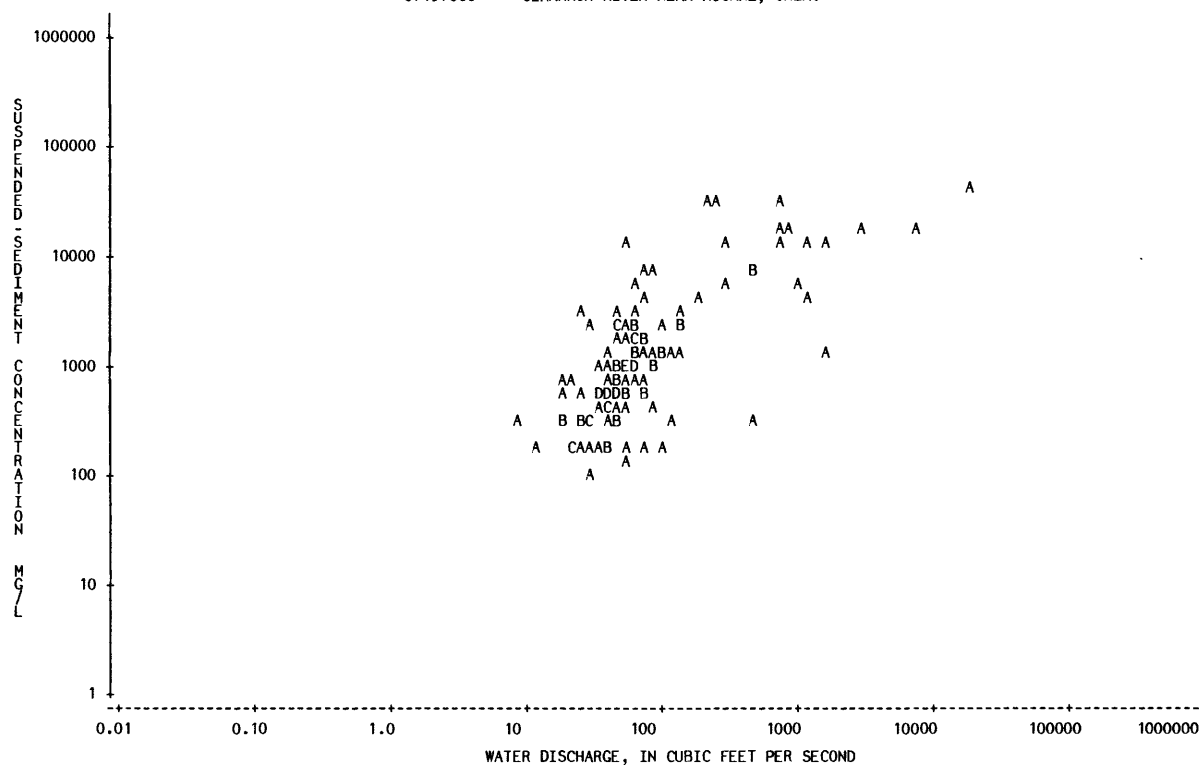
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-08-09			776	15300	A 32100						
48-08-14			1650	11900	A 53000						
64-04-21	1020		52	*	125						
64-06-10	0530		1240	*	3970						
64-06-23	1800		23	*	182						
64-10-27	1450		45	*	312						
65-03-16	1430		84	*	465						
65-05-13	2030		1640	*	1550						
65-05-25	1345		450	*	353						
65-06-20	0900		3090	*	17300						
65-06-20	1020		7900	*	19700						
65-06-20	1145		19000	*	42600						
65-07-27	1115		68	*	883						
65-08-17	1110		62	*	1020						
65-09-21	1300		765	*	31600						
66-03-16	1310		80	*	880						
66-07-26	1420		230	*	32600						
77-04-13			44		300						
77-05-12			45		720						
77-06-15			52		850						
77-08-03			58		14900						
77-09-01			288		6450						
77-10-12	1215		39		500						

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07157000 CIMARRON RIVER NEAR MOCANE, OKLA.



## ARKANSAS RIVER BASIN

07157500 CROOKED CREEK NEAR NYE, KANS.

LOCATION.--Lat 37°02'02", long 100°11'55", in SE 1/4 NW 1/4 sec.1, T.35 S., R.27 W., Meade County, Hydrologic Unit 11040007, on right bank at downstream side of county road bridge, 11.5 mi (18.5 km) west of Englewood, and at mile 14.0 (22.5 km).

DRAINAGE AREA.--1,157 mi<sup>2</sup> (2,997 km<sup>2</sup>), of which 344 mi<sup>2</sup> (891 km<sup>2</sup>) is probably noncontributing.

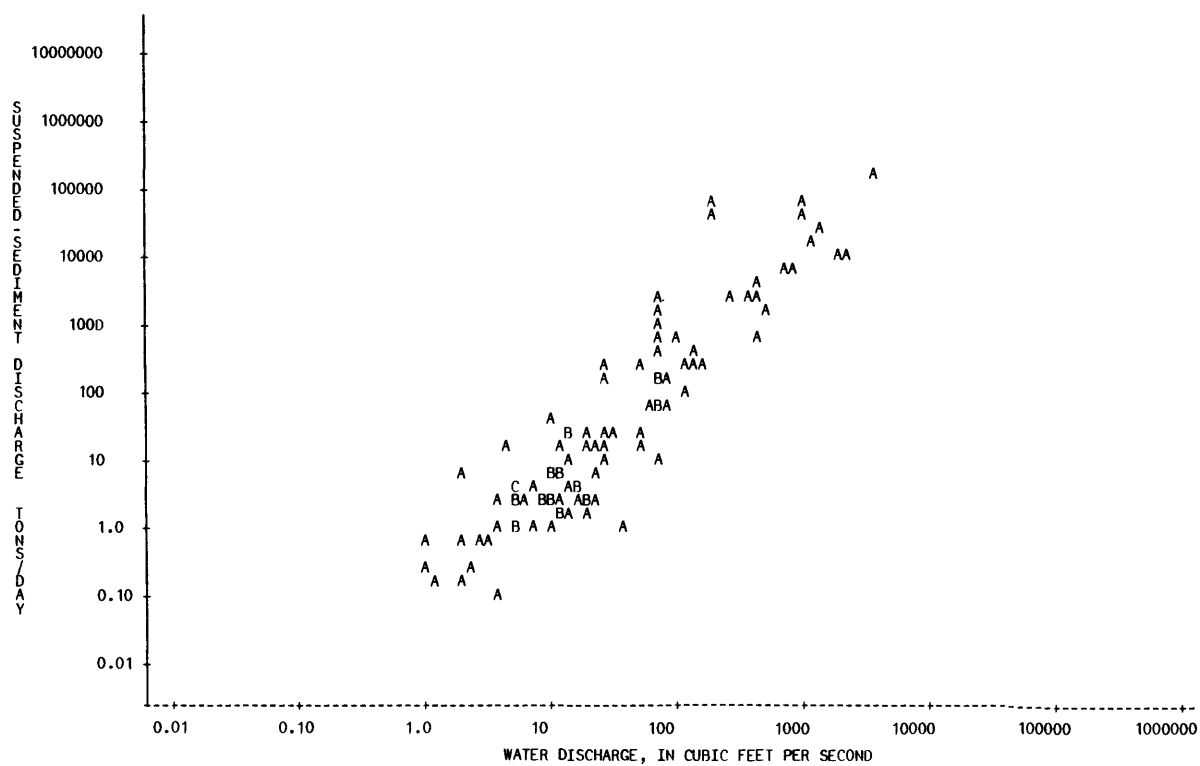
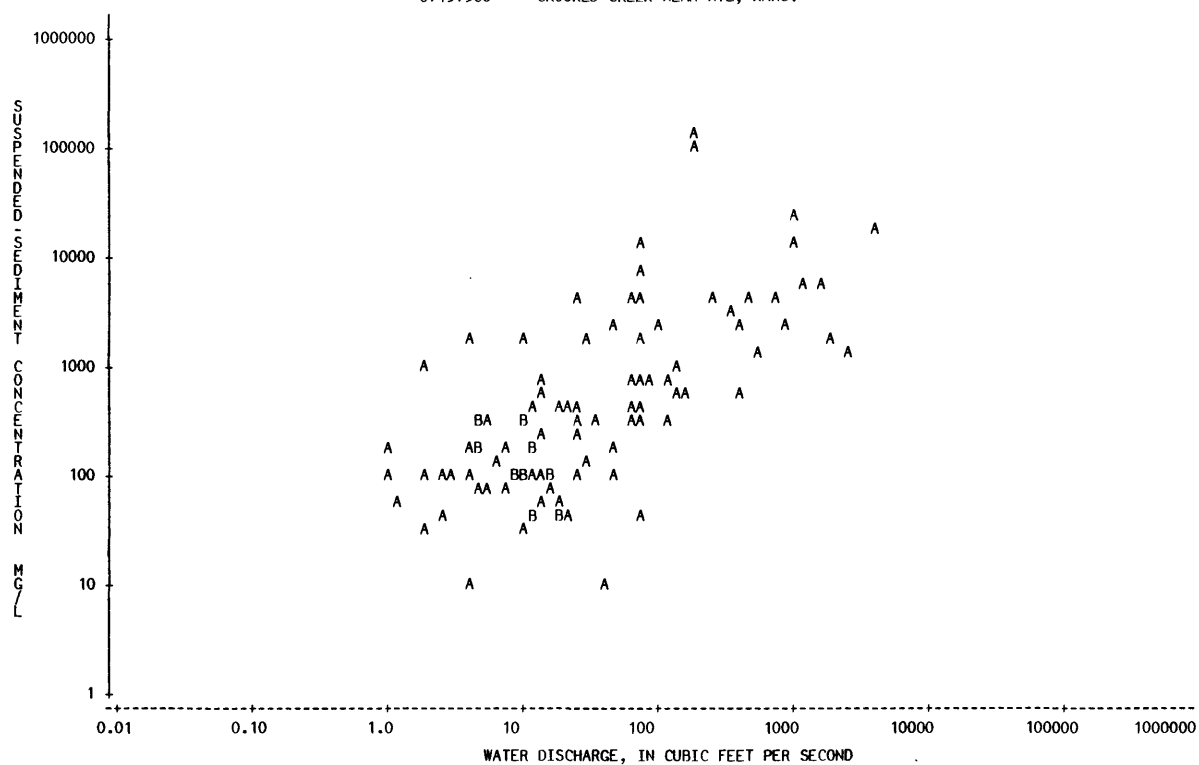
PERIOD OF RECORD.--Water years 1944-45, 1947-48, 1962-65, 1967-68, 1971, 1973, 1975-80.

REMARKS.--Extensive upstream diversion for irrigation. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-06-02			146	600	A 237	65-06-10	0500		70	*	15000 2840
44-06-07			110	300	A 89	65-07-27	1025		2.5	*	98 0.66
44-06-09			75	400	A 81	65-08-16	0330		70	*	7540 1430
44-06-13			48	100	A 13	65-08-17	1030		29	*	1880 147
44-06-19			18	400	A 19	65-08-19	0800		70	*	1830 346
44-07-17			4.0	100	A 1.1	65-09-21	1200		48	*	2410 312
44-07-28			5.0	200	A 2.7	67-06-09	1900		255	*	4050 2790
44-08-03			21	400	A 23	67-10-03	1145		7.4	*	174 3.5
44-08-07			32	300	A 26	70-10-22	1200		11	*	34 0.99
44-08-11			14	800	A 30	71-05-19	1710		10	*	1820 51
44-08-21			1.0	200	A 0.54	71-10-04	1040		5.1	*	357 4.9
44-08-25			5.0	300	A 4.1	71-11-17	1710		943	*	13100 33400
44-08-30			5.0	200	A 2.7	71-12-13	1700		29	*	117 9.2
44-09-02			1.0	100	A 0.27	73-04-01	1645		2450		1550 10300
44-09-06			4.0	200	A 2.2	73-04-04	1605		1830		1920 9490
44-09-07			3.0	100	A 0.81	73-04-05	1400		860		2720 6320
44-09-14			2.0	100	A 0.54	73-04-06	1905		512		1480 2050
44-09-26			2.0	1000	A 5.4	73-04-10	1425		161		522 227
44-09-29			10.0	100	A 2.7	73-09-11	1930		79		318 68
44-11-17			10.0	300	A 8.1	73-09-12	1200		424		2300 2630
44-11-18			10.0	100	A 2.7	73-09-13	1430		424		518 593
44-11-27			14	100	A 3.8	75-07-10	1510		6.9		66 1.2
44-12-21			16	100	A 4.3	75-08-20	1610		1.1		52 0.15
45-01-26			24	100	A 6.5	75-10-07	1435		38		9 0.92
45-04-11			12	400	A 13	75-11-17	1325		12		48 1.5
45-05-02			25	400	A 27	75-12-04	* 1430		16		103 4.5
45-06-05			13	600	A 21	76-01-07	1330		4.9		68 0.89
45-06-20			12	200	A 6.5	76-02-11	1355		18		44 2.2
45-07-03			24	300	A 19	76-03-24	1220		14		54 2.0
45-08-21			10.0	300	A 8.1	76-05-05	1215		67		421 77
45-08-31			5.0	300	A 4.1	76-06-16	1305		12		94 3.1
47-04-14			1480	6000	A 24000	76-07-20	1225		1.9		32 0.16
47-04-15			1190	5800	A 18600	76-12-07	1100		3.9		9 0.10
47-04-18			353	3200	A 3050	77-02-03	1415		17		71 3.2
48-03-02			67	800	A 145	77-05-12	1550		26		3750 263
48-03-19			81	800	A 175	77-06-23	1315		2.4		42 0.27
48-03-24			70	700	A 132	77-08-19	1955		705		3880 7390
48-06-28			478	3900	A 5030	77-08-20	1350		142		1070 410
48-08-02			108	2500	A 729	77-08-21	1200		59		362 58
62-07-04	0600		4000	*	16400	77-10-17	1600		9.0		110 2.7
62-10-16	1115		6.6	*	155	78-05-18	1300		27		254 19
63-04-16	1250		5.5	*	68	78-09-27	1450		4.2		1580 18
63-06-07	0430		180	*	102000	79-08-02	1225		73		44 8.6
63-06-20	1100		126	*	658	79-11-15	1140		12		48 1.6
63-07-28	0540		195	*	122000	80-02-22	1420		18		38 1.8
64-04-21	0915		20	*	59	80-04-01	1315		50		174 23
64-06-11			68	*	4450						
64-06-15			990	*	27500						
64-06-23	1710		11	*	196						
64-10-27	1355		9.1	*	111						
65-03-16	1345		22	*	39						
65-05-13	1745		70	*	3750						
65-05-25	1215		14	*	238						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07157500 CROOKED CREEK NEAR NYE, KANS.





## ARKANSAS RIVER BASIN

07157580 CIMARRON RIVER NEAR ENGLEWOOD, KANS.

LOCATION.--Lat 36°58'40", long 99°58'32", in SE 1/4 sec.23, T.29 N., R.26 W., Harper County (Oklahoma), Hydrologic Unit 11040008, 4 mi (6.4 km) south of Englewood, Kansas, 4.5 mi (7.2 km) downstream from Horse Creek, and 8 mi (12.8 km) downstream from Crooked Creek.

DRAINAGE AREA.--10,096 mi<sup>2</sup> (26,149 km<sup>2</sup>).

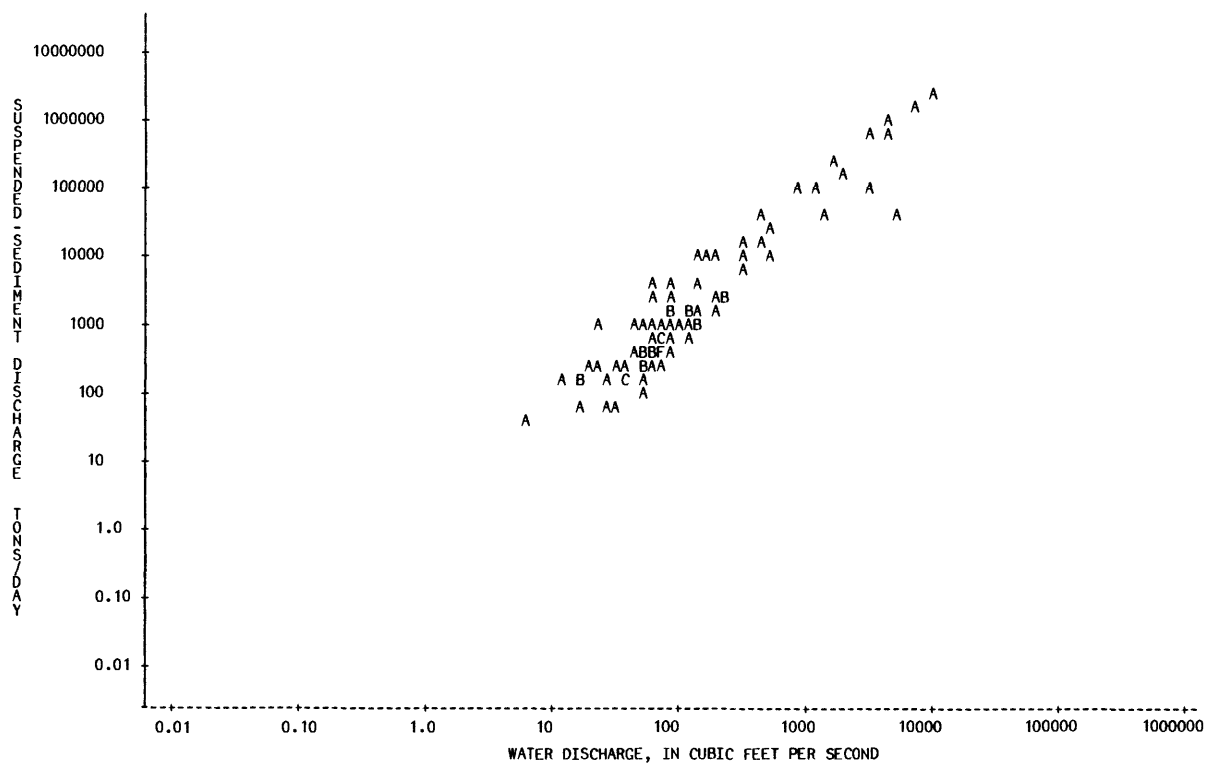
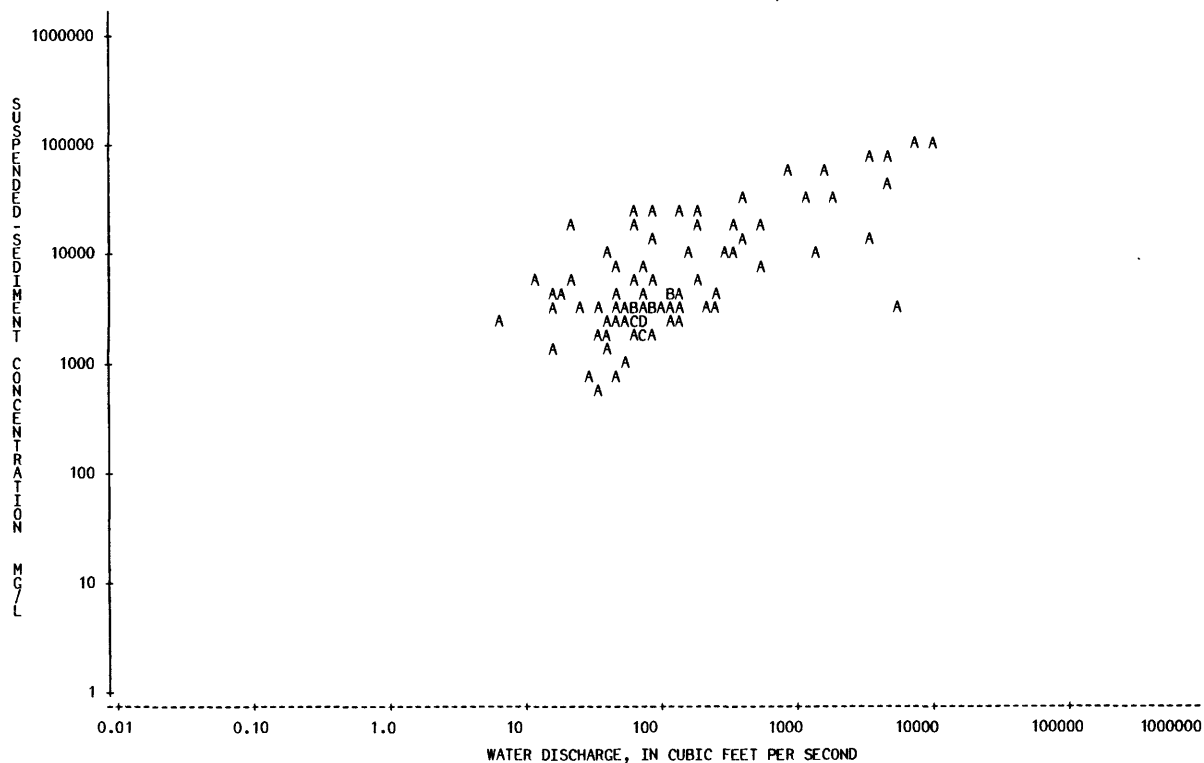
PERIOD OF RECORD.--Water years 1938-42.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-08-23			43	9300	A 1080	41-04-03			61	1600	A 264
38-09-06			6970	90000	A 1690000	41-04-12			33	600	A 53
38-09-12			194	20900	A 10900	41-04-17			71	1700	A 326
38-09-21			56	3400	A 514	41-05-08			430	29400	A 34100
38-09-27			49	2300	A 304	41-05-14			85	6400	A 1470
38-10-11			77	2300	A 478	41-05-22			119	4800	A 1540
38-10-12			1200	33700	A 109000	41-05-25			9880	105000	A 2800000
38-10-26			46	3000	A 373	41-05-26			1630	65000	A 286000
38-11-10			48	3800	A 492	41-06-04			542	16900	A 24700
38-11-16			68	2400	A 441	41-06-09			4430	47700	A 571000
38-11-30			118	4800	A 1530	41-06-19			71	2700	A 518
38-12-14			37	2300	A 230	41-06-25			79	6900	A 1470
38-12-22			188	5800	A 2940	41-07-01			142	24600	A 9430
39-01-05			70	3300	A 624	41-07-06			4590	66900	A 829000
39-01-13			135	4600	A 1680	41-07-23			80	21400	A 4620
39-01-25			87	3500	A 822	41-07-30			340	20400	A 18700
39-02-02			40	1800	A 194	41-08-05			22	5400	A 321
39-02-13			245	3300	A 2180	41-08-28			81	12900	A 2820
39-06-30			311	9600	A 8060	41-09-23			3270	84500	A 746000
39-07-07			62	23600	A 3950	41-10-15			136	2600	A 955
39-07-27			11	5200	A 154	41-10-20			125	3400	A 1150
39-08-02			62	2800	A 469	42-01-27			83	2900	A 650
39-08-15			151	9200	A 3750	42-02-21			210	3600	A 2040
40-03-05			63	2700	A 459	42-05-04			414	12700	A 14200
40-03-12			78	1600	A 337	42-07-15			60	17400	A 2820
40-03-20			39	1500	A 158	42-08-19			321	9800	A 8490
40-03-27			76	4300	A 882	42-08-22			48	8000	A 1040
40-04-10			53	2100	A 301	42-08-25			33	3300	A 294
40-04-16			29	800	A 63	42-08-27			26	2800	A 197
40-05-08			1970	29400	A 156000	42-09-01			16	1500	A 65
40-05-15			5200	3400	A 47700	42-09-03			36	2000	A 194
40-05-18			3440	12800	A 119000	42-09-17			20	4500	A 243
40-05-22			247	4800	A 3200						
40-05-29			111	2500	A 749						
40-06-02			550	7700	A 11400						
40-06-05			70	1600	A 302						
40-06-13			807	50200	A 109000						
40-06-21			17	3200	A 147						
40-07-03			174	17800	A 8360						
40-08-07			6.0	2100	A 34						
40-08-08			1330	10900	A 39100						
40-08-14			23	18700	A 1160						
40-10-18			16	3900	A 168						
40-11-23			61	5100	A 840						
41-01-09			94	3300	A 838						
41-01-14			136	3100	A 1140						
41-01-25			74	2700	A 539						
41-02-06			73	2200	A 434						
41-03-04			62	3100	A 519						
41-03-10			68	2200	A 404						
41-03-14			82	2000	A 443						
41-03-20			55	900	A 134						
41-03-25			49	800	A 106						

\*\*\*\*\*  
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07157580 CIMARRON RIVER NEAR ENGLEWOOD, KANS.



## ARKANSAS RIVER BASIN

07157900 CAVALRY CREEK AT COLDWATER, KANS.

LOCATION.--Lat 37°16'00", long 99°20'40", in NE 1/4 NE 1/4 sec.14, T.32 S., R.19 W., Comanche County, Hydrologic Unit 11040008, at downstream side of county highway bridge, 1.0 mi (1.6 km) west of Coldwater, and at mile 18.3 (29.4 km).

DRAINAGE AREA.--39 mi<sup>2</sup> (101 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1963, 1966, 1968, 1971-80.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-06-23	1115		22	*	1350	80	75-06-23	2115	760	2950	6050
66-09-21	0800		0.36*		52	0.05	75-06-24	1050	117	2100	663
67-10-06	1030		0.53*		42	0.06	75-06-25	0810	24	225	15
67-11-07	0630		0.63*		169	0.29	75-07-10	1010	3.8	6	0.06
67-12-14	0945		0.57*		66	0.10	75-08-20	1250	1.6	85	0.37
68-03-07	0900		0.97*		20	0.05	75-09-11	1050	1.4	5	0.02
68-04-04	1420		0.90*		26	0.06	75-10-07	1050	1.3	1	0.00
68-06-05	1600		0.51*		37	0.05	75-11-11	1330	2.2	3	0.02
68-08-16	2030		298	*	7660	6160	75-12-04	1120	3.1	3	0.02
68-08-16	2230	1420	*		3900	15000	76-01-07	1040	3.2	17	0.15
68-08-17	1500		17	*	1180	54	76-02-11	1010	3.0	15	0.12
68-08-19	1150		2.8	*	36	0.27	76-03-24	0905	2.2	18	0.11
68-09-09	1705		1.2	*	94	0.30	76-05-04	1950	4.7	9	0.11
70-10-12	1350		1.1	*	32	0.10	76-06-15	1520	2.5	28	0.19
70-11-10	1150		1.1	*	12	0.04	76-07-20	0850	1.5	3	0.01
70-12-02	1105		1.2	*	7	0.02	76-09-15	1055	282	32	24
71-01-18	1200		1.1	*	13	0.04	76-10-06	1525	1.4	5	0.02
71-02-09	1135		1.3	*	18	0.06	76-11-02	1000	1.5	1	0.00
71-03-12	1220		2.8	*	22	0.17	76-12-08	1010	1.2	1	0.00
71-04-07	1055		1.5	*	33	0.13	77-01-06	0950	2.0	8	0.04
71-05-13	1100		1.2	*	4	0.01	77-06-23	1635	1.00	3400	9.2
71-06-17	1140		0.86*		58	0.13	78-05-26	1230	865	3150	7360
71-07-07	1125		0.46*		54	0.07	79-08-02	0925	1.8	14	0.07
71-08-10	1035		1.5	*	39	0.16	79-09-06	1330	0.85	5	0.01
71-09-03	0925		0.66*		26	0.05	79-10-10	1800	0.87	5	0.01
71-10-02	1055		0.78*		3	0.01	80-02-22	1230	1.8	8	0.04
71-10-18	1340		52	*	1610	226	80-04-01	1635	2.3	9	0.06
71-11-05	1145		3.0	*	21	0.17					
71-11-17	1315		386	*	1270	1320					
71-12-06	1115		2.3	*	5	0.03					
72-01-06	1025		1.7	*	3	0.01					
72-02-04	1045		1.6	*	6	0.03					
72-03-07	1125		1.5	*	9	0.04					
72-04-06	1130		1.5	*	8	0.03					
72-05-04	0940		1.6	*	6	0.03					
72-06-08	1010		0.97*		40	0.10					
72-07-10	1000		0.99*		110	0.29					
72-08-02	0930		0.78*		16	0.03					
72-09-01	0725		1.5	*	20	0.08					
72-10-03	1045		0.76	*	4	0.01					
73-04-02	0855		4.5	*	148	1.8					
73-09-12	1700		249	*	7120	4790					
73-10-10	1950		119	*	3070	986					
73-10-11	1700		321	*	2950	2560					
74-04-11	1510		2.9	*	5	0.04					
75-02-26	1410		3.3	*	8	0.07					
75-03-18	1405		3.0	*	10	0.08					
75-05-08	0940		2.2	*	4	0.02					
75-05-13	1350		2.9	*	12	0.09					
75-06-05	1510		3.3	*	247	2.2					
75-06-07	0240		6.4	*	48	0.83					
75-06-07	1040		3.9	*	26	0.27					
75-06-23	1700	1180			3400	10800					

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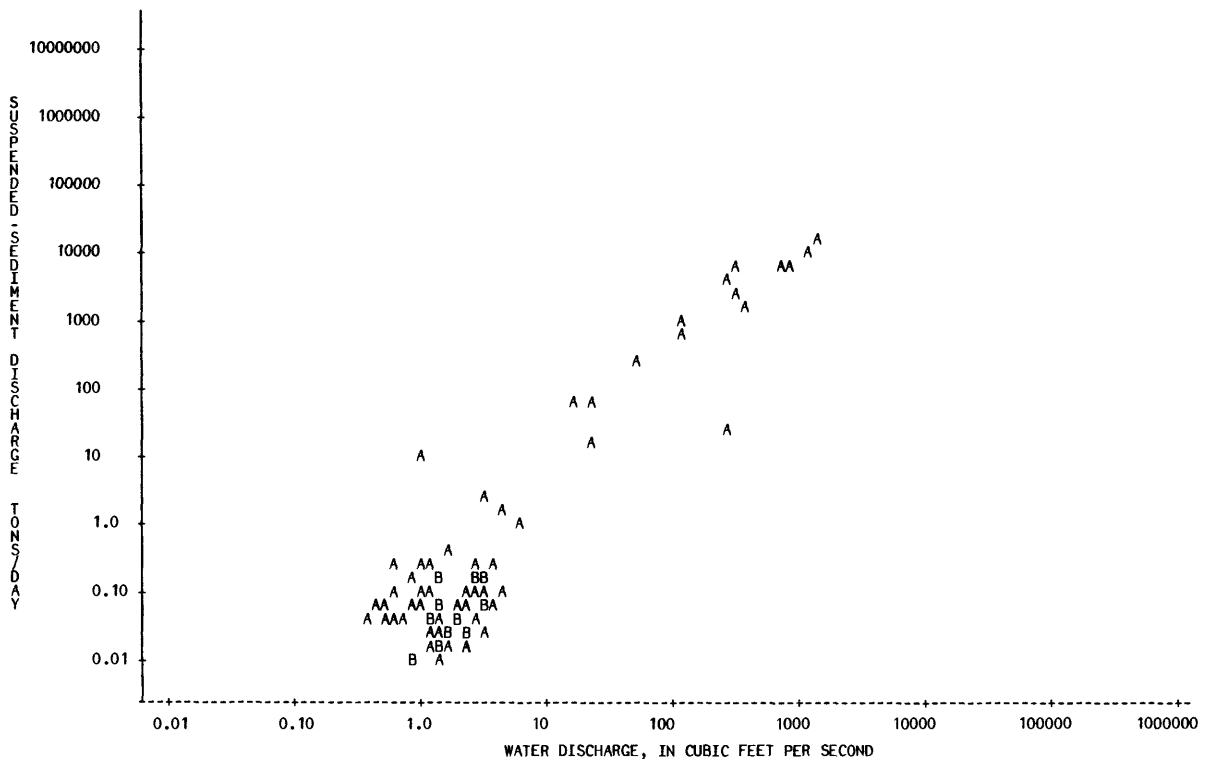
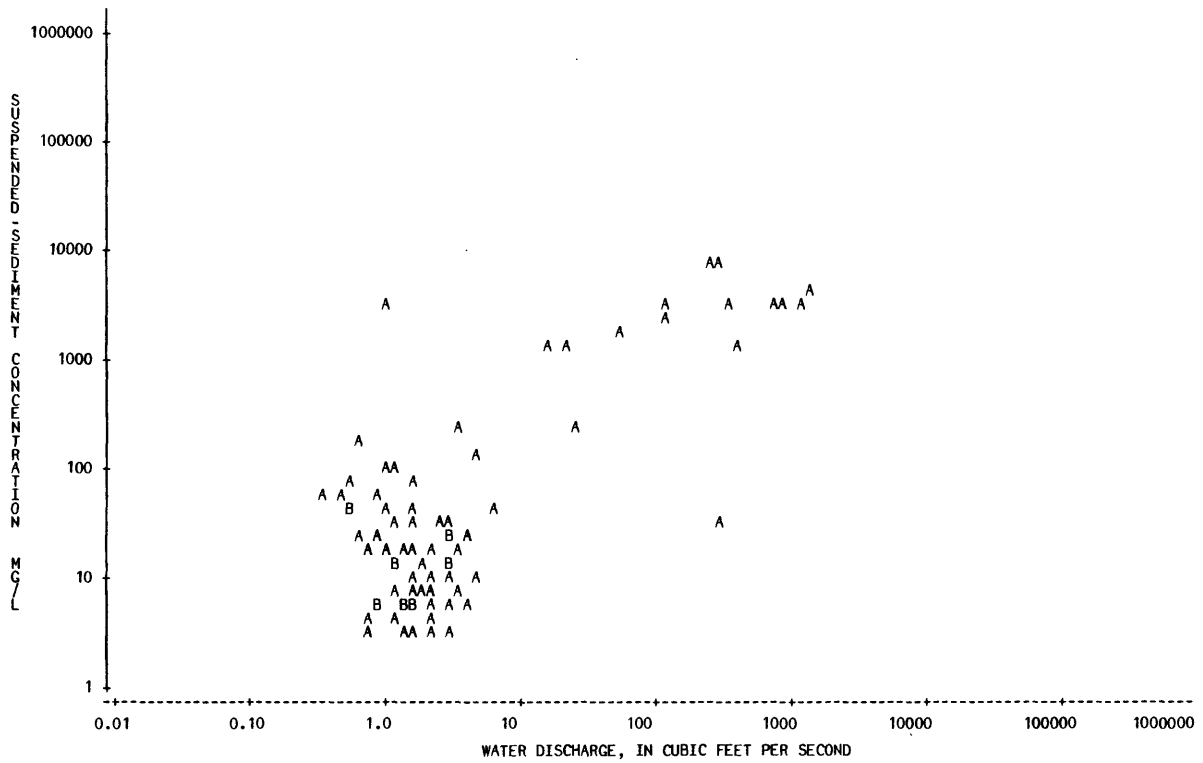
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

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## 07157900 CAVALRY CREEK AT COLDWATER, KANS.



## ARKANSAS RIVER BASIN

07157950 CIMARRON RIVER NEAR BUFFALO, OKLA.

LOCATION.--Lat 36°51'07", long 99°18'54", in SE 1/4 NE 1/4 sec.2, T.27 N., R.20 W., Harper County, Hydrologic Unit 11050001, near left bank on downstream side of pier of U.S. Highway 64, 0.5 mi (0.8 km) downstream from Keno Creek, 17.0 mi (27.4 km) northeast of Buffalo, and at mile 289.1 (465.2 km).

DRAINAGE AREA.--12,004 mi<sup>2</sup> (31,090 km<sup>2</sup>), of which 4,813 mi<sup>2</sup> (12,466 km<sup>2</sup>) is probably noncontributing.

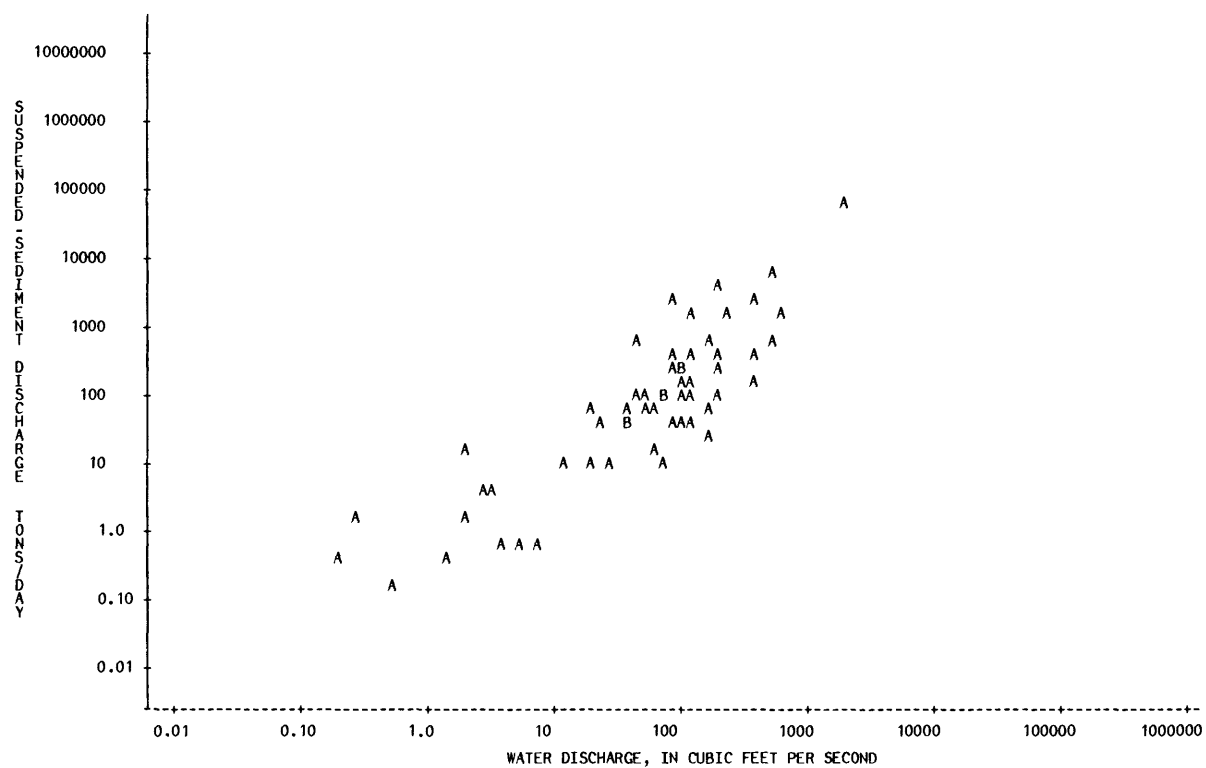
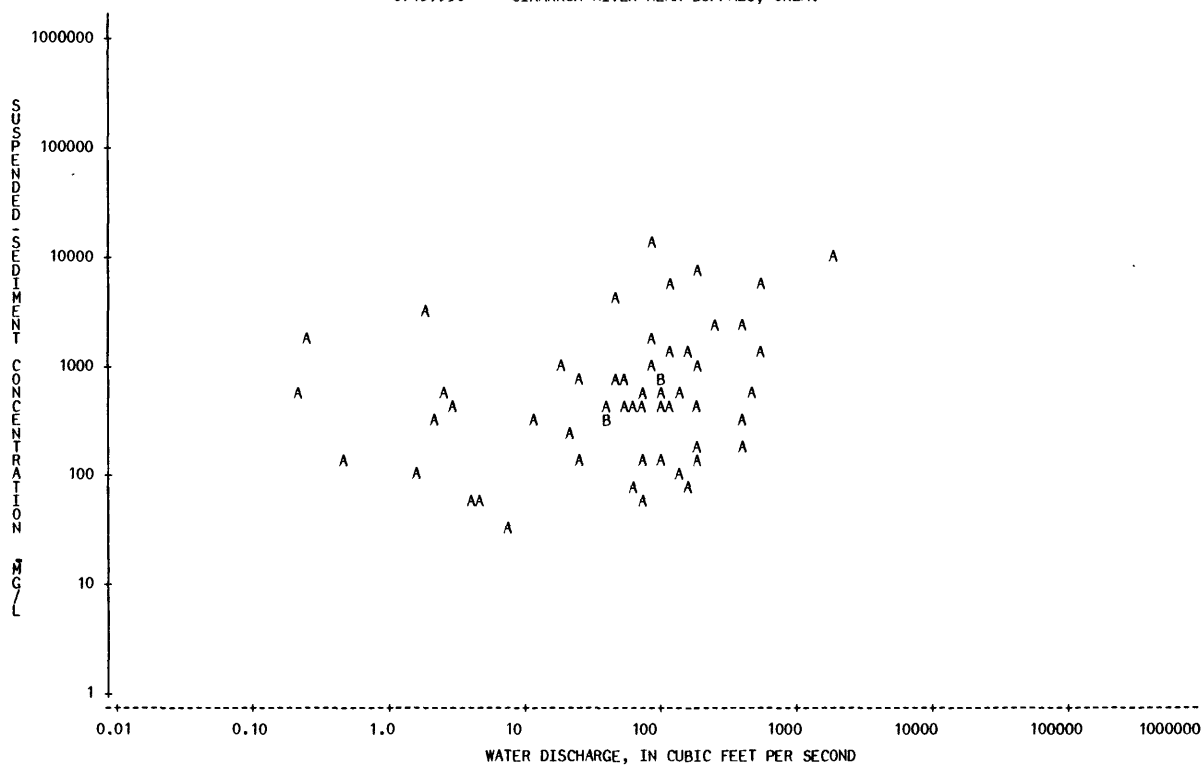
PERIOD OF RECORD.--Water years 1975-80.

REMARKS.--Extensive upstream diversions for irrigation. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-01-23	1600		128	96	33	80-04-02	1040		497	518	695
75-03-06	1130		158	74	32	80-05-06	1700		190	182	93
75-04-02	1300		173	149	70	80-06-10	1415		63	82	14
75-05-14	0930		392	316	334	80-07-01	1230		7.7	28	0.58
75-06-11	1100		392	167	177						
75-07-09	0800		78	55	12						
75-08-05	1400		112	5890	1780						
75-09-04	1030		2.1	353	2.0						
76-01-20	1200		108	579	169						
76-02-10	1500		108	421	123						
76-11-23	0900		37	352	35						
76-12-28	0900		53	725	104						
77-01-26	1300		127	521	179						
77-02-23	0930		108	847	247						
77-03-23	0910		12	349	11						
77-04-26	1505		87	12800	3010						
77-05-25	0750		515	4950	6880						
77-06-21	1300		0.50	132	0.18						
77-07-28	1520		1.5	102	0.41						
77-08-16	1430		77	537	112						
77-09-13	0900		47	4680	594						
77-10-13	0930		2.6	522	3.7						
77-11-02	1000		3.0	446	3.6						
77-12-21	1200		40	492	53						
78-03-29	1200		123	375	125						
78-04-19	1545		21	218	12						
78-05-02	1500		1800	10900	A 53000						
78-05-25	1000		372	2160	2170						
78-07-12	1215		79	154	33						
78-10-05	1552		0.27	1810	A 1.3						
78-11-07	1320		4.0	50	A 0.54						
78-11-29	0930		44	687	82						
78-12-19	1600		167	1320	595						
79-01-22	1550		92	884	220						
79-02-21	1430		585	1180	1860						
79-03-20	0900		235	2110	1340						
79-04-04	1238		78	430	A 91						
79-04-10	1615		82	1950	432						
79-04-27	1306		39	310	A 33						
79-05-15	1530		111	1390	417						
79-06-05	1320		180	450	A 219						
79-06-27	1600		19	1070	55						
79-07-17	1530		188	8380	4250						
79-08-07	1530		64	430	74						
79-08-24	1131		5.0	60	A 0.81						
79-09-11	1400		2.0	3020	16						
79-10-02	1315		0.21*	594	0.34						
79-11-06	1330		24	697	45						
79-12-05	1030		105	776	220						
80-01-08	1400		53	377	54						
80-02-06	1630		184	898	446						
80-02-11	1410		27	153	11						
80-03-04	1500		102	144	40						

\*\*\*\*\*  
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07157950 CIMARRON RIVER NEAR BUFFALO, OKLA.



## ARKANSAS RIVER BASIN

07158000 CIMARRON RIVER NEAR WAYNOKA, OKLA.

LOCATION.--Lat 36°31'02", long 98°52'45", in NW 1/4 NE 1/4 sec.35, T.24 N., R.16 W., Woods County, Hydrologic Unit 11050001, near left bank on downstream side of bridge on U.S. Highway 281, 4 mi (6 km) south of Waynoka, and at mile 247.0 (397.4 km).

DRAINAGE AREA.--13,334 mi<sup>2</sup> (34,535 km<sup>2</sup>), of which 4,830 mi<sup>2</sup> (12,510 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--1938-52, 1961, 1963.

REMARKS.--Extensive upstream diversions for irrigation.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-21			310	2500	A 2090	40-07-02			9650	23300	A 607000
38-05-24			7881	12200	A 260000	40-08-09			7610	19200	A 395000
38-06-11			144	1300	A 505	40-08-16			277	6400	A 4790
38-06-20			18520	27000	A 1350000	40-08-23			110	700	A 208
38-07-09			57	1100	A 169	40-11-28			360	9800	A 9530
38-07-22			2209	19200	A 115000	40-12-31			91	1300	A 319
38-08-02			43	900	A 104	41-01-20			93	2200	A 552
38-08-10			8.0	800	A 17	41-01-28			80	1300	A 281
38-08-20			2076	35200	A 197000	41-02-11			113	900	A 275
38-08-27			38	800	A 82	41-02-28			265	2300	A 1650
38-09-01			10.0	100	A 2.7	41-03-11			148	2000	A 799
38-09-07			10150	61900	A 1700000	41-03-19			92	1100	A 273
38-09-13			42	18900	A 2140	41-03-27			154	800	A 333
38-09-19			92	6000	A 1490	41-05-05			11800	67800	A 2160000
38-09-26			41	1400	A 155	41-05-24			10400	29200	A 820000
38-10-03			18	1100	A 53	41-05-26			7140	55600	A 1070000
38-10-24			14	1700	A 64	41-08-25			477	17500	A 22500
38-11-01			10.0	1200	A 32	41-09-03			37	12000	A 1200
38-11-08			19	1100	A 56	41-09-17			110	10700	A 3180
38-11-14			24	900	A 58	41-09-25			8680	64400	A 1510000
38-12-01			14	1000	A 38	41-10-10			235	4500	A 2860
38-12-20			49	1400	A 185	41-10-17			410	3300	A 3650
38-12-28			46	1600	A 199	41-10-22			12900	19900	A 693000
39-01-04			27	1000	A 73	41-11-04			803	2200	A 4770
39-01-11			254	5800	A 3980	41-11-14			325	1000	A 877
39-01-20			87	100	A 23	41-12-02			229	700	A 433
39-01-30			135	2600	A 948	42-01-20			292	1300	A 1020
39-02-06			48	100	A 13	42-05-06			601	9100	A 14800
39-02-16			89	4000	A 961	42-06-12			1170	16100	A 50900
39-02-23			39	100	A 11	42-06-17			237	5900	A 3780
39-03-02			90	2200	A 535	42-06-29			441	2100	A 2500
39-07-01			2730	18500	A 136000	42-08-11			1110	7000	A 21000
39-07-10			127	3300	A 1130	42-08-20			250	20000	A 13500
39-08-18			207	3900	A 2180	42-10-03			26400	27200	A 1940000
40-02-09			351	30900	A 29300	42-10-04			1730	8900	A 41600
40-02-28			80	3200	A 691	42-10-14			45	500	A 61
40-03-06			27	800	A 58	42-10-27			449	8300	A 10100
40-03-14			30	1100	A 89	43-03-15			122	1500	A 494
40-03-19			27	800	A 58	43-04-11			700	10600	A 20000
40-04-10			73	9500	A 1870	43-05-10			873	7300	A 17200
40-04-17			39	300	A 32	43-05-25			98	300	A 79
40-04-24			35	1500	A 142	43-06-07			1060	10500	A 30100
40-04-30			40	400	A 43	43-06-10			293	3000	A 2370
40-05-06			528	33000	A 47000	43-06-16			41	5100	A 565
40-05-10			1110	25800	A 77300	43-06-21			5800	18800	A 294000
40-05-14			146	5600	A 2210	43-06-24			92	500	A 124
40-05-19			18900	38100	A 1940000	43-07-06			1.0	700	A 1.9
40-05-23			799	3500	A 7550	43-07-12			1.0	600	A 1.6
40-05-31			318	2400	A 2060	43-07-18			8260	20800	A 464000
40-06-03			424	4900	A 5610	43-07-19			244	1200	A 791
40-06-10			5150	19100	A 266000	43-12-30			44	400	A 48
40-06-14			292	1600	A 1260	44-01-03			78	1300	A 274
40-06-18			160	18900	A 8160	44-01-11			24	500	A 32

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07158000 CIMARRON RIVER NEAR WAYNOKA, OKLA.--CONTINUED

SUSPENDED SEDIMENT					SUSPENDED SEDIMENT							
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
44-02-01			221	1100	A	46-03-05			60	500	A	81
44-02-08			84	600	A	46-03-11			96	700	A	181
44-02-15			35	400	A	46-04-01			66	300	A	53
44-02-25			73	800	A	46-04-17			732	5000	A	9880
44-03-06			110	700	A	46-05-31			115	600	A	186
44-03-15			1850	13900	A	46-06-05			177	11100	A	5300
44-03-23			129	1000	A	46-07-10			44	700	A	83
44-03-30			52	500	A	46-08-27			35	900	A	85
44-04-04			89	400	A	46-09-04			36	800	A	78
44-04-11			2960	10500	A	46-10-01			161	4900	A	2130
44-04-14			896	5000	A	46-10-07			4480	21200	A	256000
44-04-17			218	3400	A	46-11-25			120	800	A	259
44-04-23			2800	9000	A	46-12-19			105	400	A	113
44-04-25			1810	5600	A	47-01-14			418	1000	A	1130
44-05-01			4750	19800	A	47-01-28			116	400	A	125
44-05-09			929	5400	A	47-04-01			83	300	A	67
44-05-16			677	1900	A	47-04-17			1760	3100	A	14700
44-05-22			94	600	A	47-05-05			205	900	A	498
44-05-29			3530	8900	A	47-05-13			829	2700	A	6040
44-06-06			368	5700	A	47-05-17			1820	5200	A	25600
44-06-12			109	1100	A	47-06-02			292	600	A	473
44-06-20			22	300	A	47-06-09			111	500	A	150
44-06-29		1.0		200	A	47-06-23			220	1100	A	653
44-07-03			35	1300	A	47-07-02			32	400	A	35
44-07-10			9310	40000	A	47-07-18			33	500	A	45
44-07-20			2380	12400	A	47-07-23			23	300	A	19
44-07-26			1060	3900	A	47-12-05			145	700	A	274
44-07-31			111	400	A	48-01-05			66	500	A	89
44-08-09		2.0		100	A	48-01-13			55	500	A	74
44-08-21			37	400	A	48-02-18			189	600	A	306
44-09-12		1.0		300	A	48-02-26			230	500	A	310
44-09-18		1.0		200	A	48-03-18			691	900	A	1680
44-09-27			48	400	A	48-04-01			130	400	A	140
44-10-07			80	600	A	48-04-28			74	200	A	40
44-10-11			34	200	A	48-06-16		6.0		600	A	9.7
44-10-16			14	500	A	48-06-22			136	2300	A	845
44-10-31		7.0		400	A	48-06-29		3430		10700	A	99100
44-11-06			64	600	A	48-07-12			85	300	A	69
44-11-14			33	3000	A	48-08-11			1710	4600	A	21200
44-11-20			30	400	A	48-08-19			398	1500	A	1610
44-11-30			80	1000	A	48-09-09			442	3600	A	4300
44-12-05			730	5000	A	48-11-09			66	800	A	143
44-12-12			123	600	A	48-11-24			154	900	A	374
44-12-18			111	1400	A	48-12-03			176	700	A	333
44-12-27			51	1000	A	49-01-06			63	300	A	51
44-12-30			89	1100	A	49-01-31			157	300	A	127
45-01-03			114	1100	A	49-02-09			3230	5200	A	45300
45-01-09			104	600	A	49-02-16			433	1000	A	1170
45-01-17			88	500	A	49-03-04			532	800	A	1150
45-01-25			191	700	A	49-03-23			199	300	A	161
45-01-31			174	600	A	49-03-28			332	700	A	627
45-02-06			321	1700	A	49-04-07			234	300	A	190
45-02-12			105	400	A	49-04-27			5840	22900	A	361000
45-02-19			90	500	A	49-04-28			7730	14000	A	292000
45-02-27			285	900	A	49-05-03			562	1700	A	2580
45-03-05			168	300	A	49-05-12			408	800	A	881
45-03-06			121	800	A	49-05-25			2660	3700	A	26600
45-03-12			98	1000	A	49-06-02			417	1100	A	1240
45-03-15			1700	13600	A	49-06-20			733	1100	A	2180
45-03-21			246	1400	A	49-06-29			287	700	A	542
45-03-30			38	800	A	49-07-07			111	100	A	30
45-04-06			58	700	A	49-07-20			418	1300	A	1470
45-04-11			68	200	A	49-08-02			489	600	A	792
45-04-16			780	6700	A	49-09-19			342	600	A	554
45-04-18			70	200	A	49-10-11			5510	8200	A	122000
45-04-24			109	500	A	49-10-18			677	2700	A	4940
45-04-26			583	1100	A	49-11-02			213	600	A	345
45-06-01			738	4400	A	49-11-15			137	300	A	111
45-06-04			155	500	A	50-01-10			193	500	A	261
45-06-11			1010	8000	A	50-02-03			90	400	A	97
45-06-12			1260	13800	A	50-02-23			164	600	A	266
45-06-14			167	700	A	50-03-16			116	400	A	125
45-06-19			68	1200	A	50-03-27			89	600	A	144
45-06-27			8690	20600	A	50-05-09			143	700	A	270
45-06-30			411	2500	A	50-05-23			59	400	A	64
45-07-03			237	1300	A	50-06-14			46	400	A	50
45-07-13			137	1000	A	50-07-12			217	2800	A	1640
45-07-19			65	600	A	50-07-19			7000	11700	A	221000
45-07-31			66	3300	A	50-07-26			2500	5100	A	34400
45-08-16			1160	9500	A	50-07-29			23400	9500	A	600000
45-08-20			52	500	A	50-07-30			9090	4800	A	118000
45-08-30			53	9800	A	50-08-03			4740	8100	A	104000
45-09-28			6010	16400	A	50-08-23			623	2400	A	4040
45-10-01			407	2100	A	50-09-14			680	200	A	367
45-10-15			64	1300	A	50-10-18			136	7400	A	2720
46-01-14			90	800	A	50-10-24			135	400	A	146
46-01-22			107	1100	A	50-12-14			362	1800	A	1760
46-02-18			367	1700	A	50-12-20			196	300	A	159
46-02-26			126	600	A	51-01-04			200	500	A	270

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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ARKANSAS RIVER BASIN

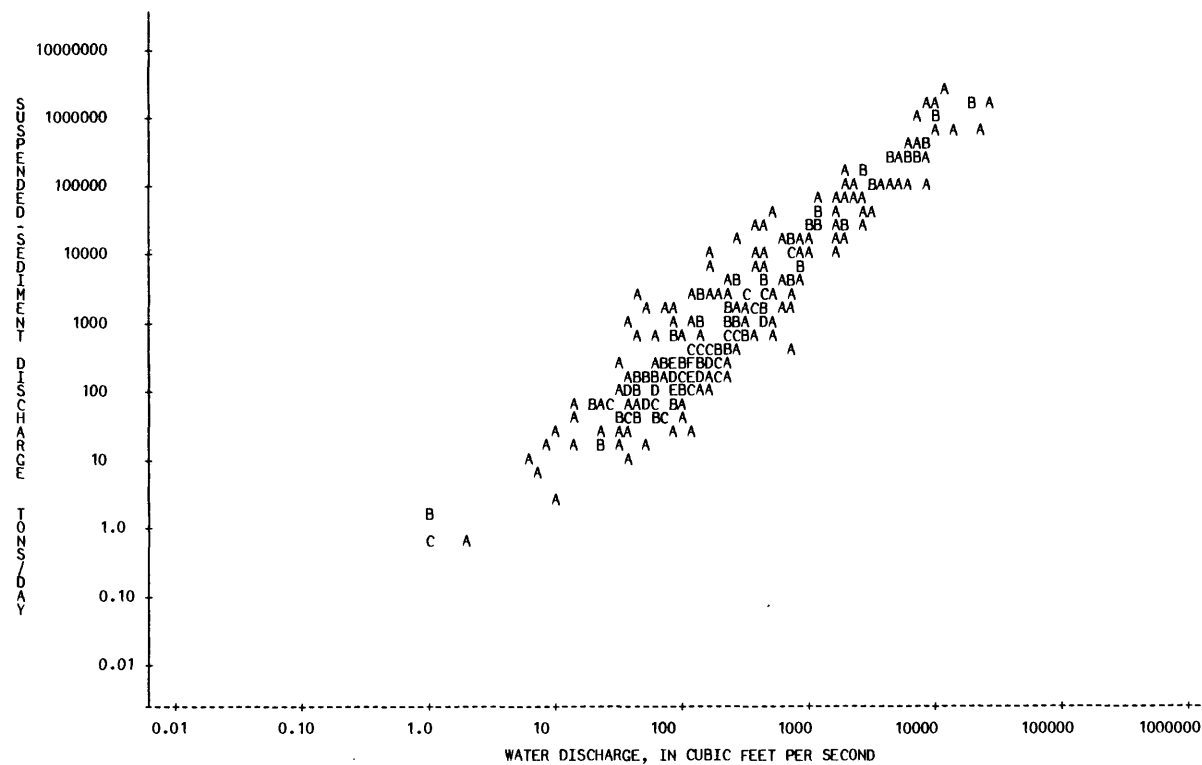
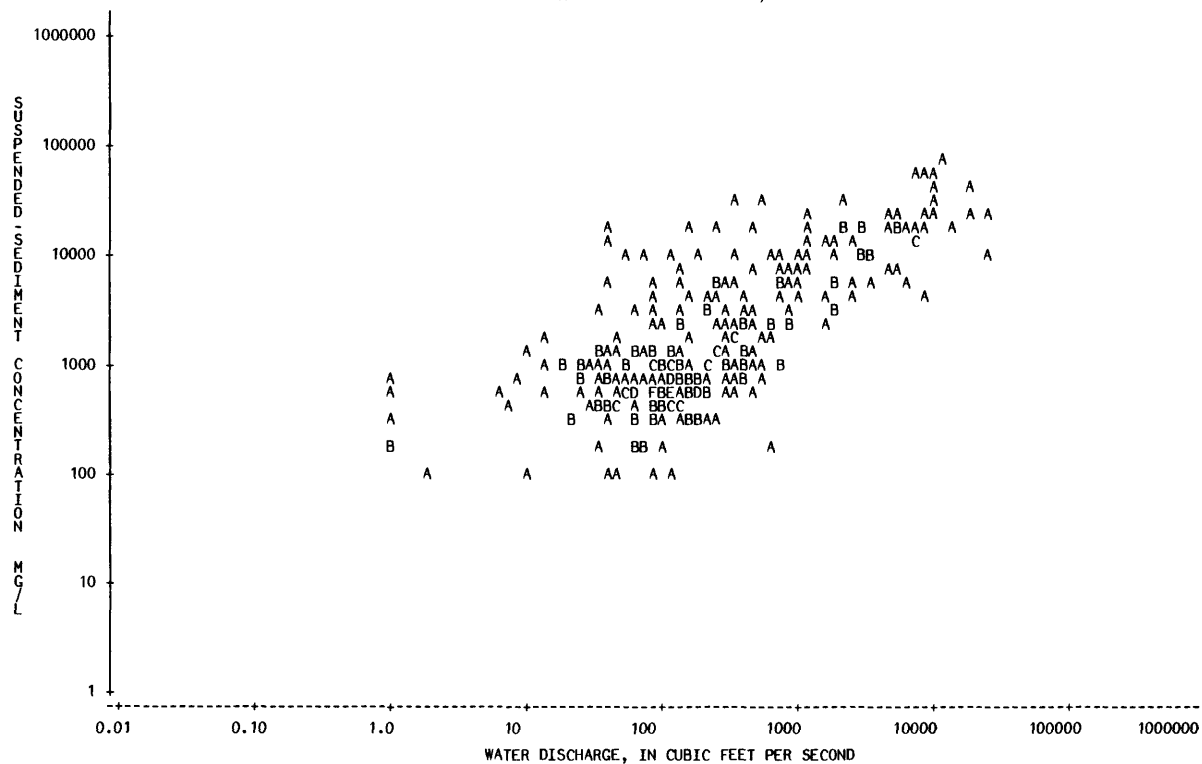
07158000 CIMARRON RIVER NEAR WAYNOKA, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
51-01-17			210	300	A 170						
51-01-31			63	200	A 34						
51-02-07			129	400	A 139						
51-02-20			458	1200	A 1480						
51-03-01			388	700	A 733						
51-04-16			279	900	A 678						
51-06-21			6640	6500	A 117000						
51-07-06			1900	2800	A 14400						
51-09-14			1610	2500	A 10900						
51-12-27			94	200	A 51						
60-12-29			135	500	A 182						
63-06-09	0001		2800	19100	A 144000						
63-06-09	0002		2040	16000	A 88100						

\*\*\*\*\*  
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07158000 CIMARRON RIVER NEAR WAYNOKA, OKLA.



## ARKANSAS RIVER BASIN

07159750 COTTONWOOD CREEK AT SEWARD, OKLA.

LOCATION.--Lat 35°47'43", long 97°29'32", in SW 1/4 sec.2, T.15 N., R.3 W., Logan County, Hydrologic Unit 11050002, on downstream right bank, 0.3 mi (0.5 km) west of Seward, 7.7 mi (12.4 km) southwest of Guthrie, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--316 mi<sup>2</sup> (818 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

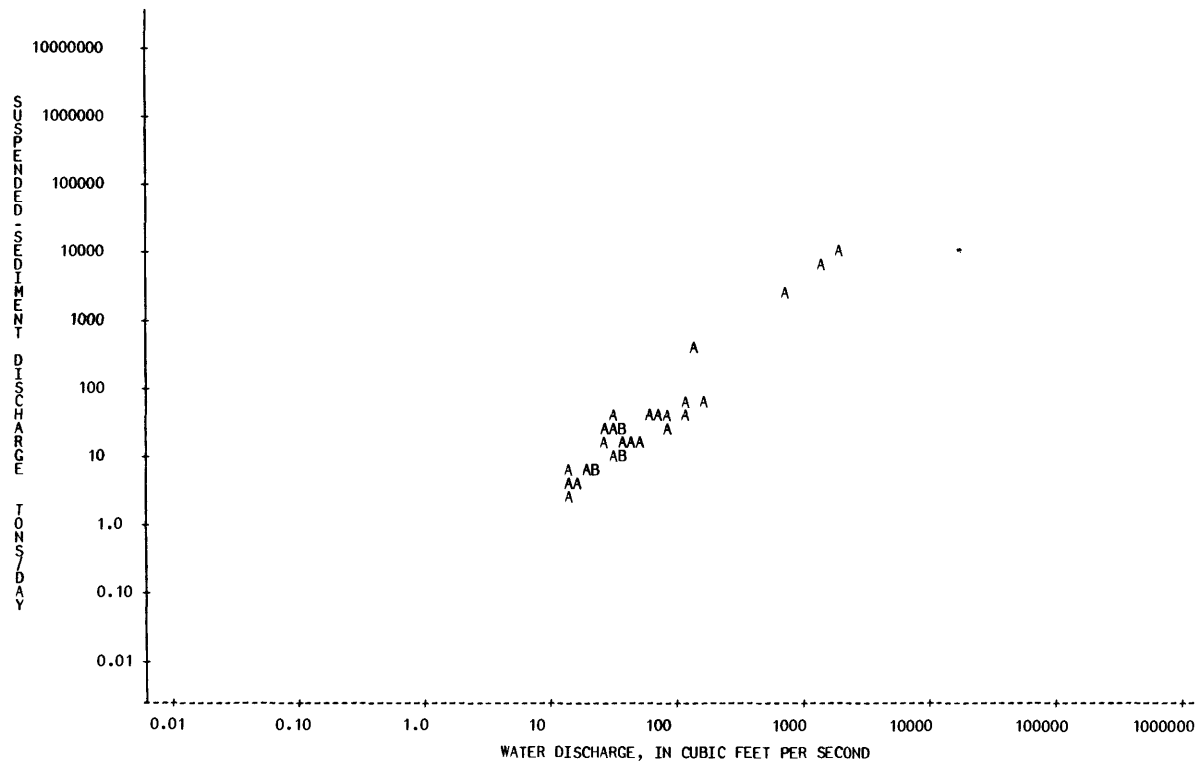
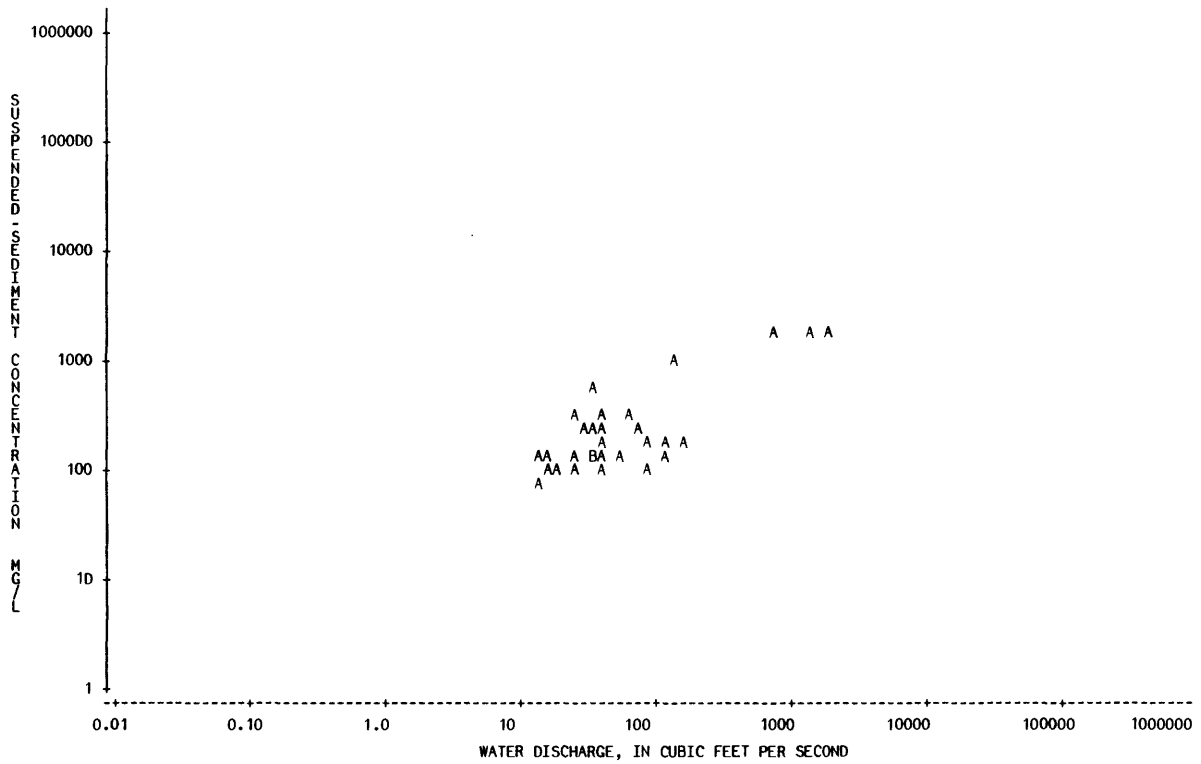
REMARKS.--Initial upstream floodwater-retarding structure was completed in January 1965. The remaining construction was completed in 1973 with 56 mi<sup>2</sup> (145 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-16		1501	24	93	6.0						
79-01-18		1321	114	131	40						
79-02-05		1645	34	247	23						
79-02-21		1340	42	155	18						
79-03-12		1555	29	251	20						
79-03-27		1530	64	294	51						
79-04-09		1525	39	279	29						
79-04-11		1715	1430	2040	7880						
79-05-01		1600	38	195	20						
79-05-08		1320	169	173	79						
79-06-13		1045	90	202	49						
79-07-02		1231	71	208	40						
79-08-06		1120	27	308	22						
79-08-06		1530	36	127	12						
79-09-10		1355	37	274	27						
79-10-10		1250	24	123	8.0						
79-11-07		1145	14	67	2.5						
79-11-21		1220	140	975	369						
79-12-05		1145	19	108	5.5						
80-01-11		1100	15	140	5.7						
80-02-07		1050	32	142	12						
80-04-08		1415	39	101	11						
80-05-01		1430	33	564	50						
80-05-02		1245	743	1560	3130						
80-05-09		0925	82	107	24						
80-05-16		1100	1900	2020	10400						
80-06-11		1545	120	172	56						
80-07-03		1300	53	130	19						
80-08-11		1200	17	91	4.2						
80-09-10		1115	14	136	5.1						

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07159750 COTTONWOOD CREEK AT SEWARD, OKLA.



## ARKANSAS RIVER BASIN

07160000 CIMARRON RIVER NEAR GUTHRIE, OKLA.

LOCATION.--Lat 35°55'10", long 97°25'35", in NE 1/4 SE 1/4 sec.29, T.17 N., R.2 W., Logan County, Hydrologic Unit 11050002, on left bank 125 ft (38.1 m) upstream from the Atchison, Topeka, and Santa Fe Railway Co. bridge, 1.2 mi (1.9 km) downstream from Cottonwood Creek, 2.5 mi (4.0 km) north of Guthrie, 6.5 mi (10.5 km) upstream from Skeleton Creek, and at mile 121.8 (196.0 km).

DRAINAGE AREA.--16,892 mi<sup>2</sup> (43,750 km<sup>2</sup>) of which 4,926 mi<sup>2</sup> (12,758 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1931, 1938-76.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-10-15			1980	19800	A 106000	31-06-10			1440	4500	A 17500
30-10-16			2160	16800	A 98000	31-06-18			1980	8200	A 43800
30-10-17			2520	26400	A 180000	31-06-23			590	1000	A 1590
30-10-21			590	16700	A 26600	31-06-25			405	1200	A 1310
30-10-24			450	5800	A 7050	31-07-01			215	900	A 522
30-10-29			215	3000	A 1740	31-07-10			500	1200	A 1620
30-11-01			130	2500	A 877	31-07-15			260	1500	A 1050
30-11-04			130	1800	A 632	31-07-25			520	700	A 983
30-11-07			130	1500	A 526	31-07-31			130	800	A 281
30-11-12			105	1300	A 369	31-08-05			350	1200	A 1130
30-11-14			105	1400	A 397	31-08-11			185	900	A 450
30-11-18			160	1600	A 691	31-08-20			130	700	A 246
30-11-20			880	8800	A 20900	31-08-28			130	1400	A 491
30-11-22			2880	9200	A 71500	31-08-31			75	1300	A 263
30-11-25			730	6600	A 13000	31-09-08			185	800	A 400
30-11-28			405	2000	A 2190	38-06-14			580	1200	A 1880
30-12-02			310	1700	A 1420	38-07-12			265	2000	A 1430
30-12-05			590	1600	A 2550	39-09-01			39	600	A 63
30-12-12			260	1500	A 1050	39-09-07			11	600	A 18
30-12-19			215	1600	A 929	39-09-15			3.0	300	A 2.4
30-12-26			185	2100	A 1050	40-02-26			210	1900	A 1080
31-01-03			215	2400	A 1390	40-03-05			87	1200	A 282
31-01-07			185	1800	A 899	40-03-12			51	300	A 41
31-01-10			215	1800	A 1040	40-03-20			26	400	A 28
31-01-14			260	1600	A 1120	40-04-12			3270	15100	A 133000
31-01-17			215	1800	A 1040	40-04-13			569	4800	A 7370
31-01-20			185	2000	A 999	40-04-15			181	1300	A 635
31-01-23			185	1800	A 899	40-04-19			116	500	A 157
31-01-27			185	1300	A 649	40-05-01			326	3200	A 2820
31-02-03			160	1400	A 605	40-05-07			50	100	A 13
31-02-11			185	1000	A 499	40-05-14			344	8000	A 7430
31-02-19			185	1400	A 699	40-05-20			7590	41300	A 846000
31-02-27			215	1300	A 755	40-05-21			1760	25700	A 122000
31-03-03			260	1900	A 1330	40-05-24			1120	8700	A 26300
31-03-06			260	2300	A 1610	40-05-27			409	2900	A 3200
31-03-12			215	1700	A 987	40-05-28			344	2000	A 1860
31-03-18			185	2000	A 999	40-06-04			204	1300	A 716
31-03-28			520	2500	A 3510	40-06-10			360	2700	A 2620
31-04-01			1680	3300	A 15000	40-06-12			3020	20200	A 165000
31-04-03			1320	2700	A 9620	40-06-13			1650	14400	A 64200
31-04-08			800	3100	A 6700	40-06-18			954	4500	A 11600
31-04-10			660	2000	A 3560	40-06-21			237	15500	A 9920
31-04-15			405	1500	A 1640	40-06-24			133	5900	A 2120
31-04-18			4080	10900	A 120000	40-07-04			3970	12900	A 138000
31-04-19			3840	10400	A 108000	40-07-05			2220	12900	A 77300
31-04-22			4320	7000	A 81600	40-07-09			344	2400	A 2230
31-04-26			6130	8500	A 141000	40-07-24			68	300	A 55
31-04-28			1800	5600	A 27200	40-08-06			266	3900	A 2800
31-05-14			730	1600	A 3150	40-08-10	0001		1080	4200	A 12200
31-05-23			1200	1500	A 4860	40-08-10	0002		3900	27500	A 290000
31-05-26			800	2400	A 5180	40-08-11			2030	22100	A 121000
31-05-29			450	2200	A 2670	40-08-12			1470	16000	A 63500
31-06-06			880	1900	A 4510	40-08-16			583	3700	A 5820

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07160000 CIMARRON RIVER NEAR GUTHRIE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-08-18			1690	20500	A 93500	42-05-04			2000	9000	A 48600
40-08-20			1620	10000	A 43700	42-05-09			1150	4700	A 14600
40-08-26			139	800	A 300	42-05-25			649	800	A 1400
40-09-03			325	2600	A 2280	42-06-08			7260	4000	A 78400
40-09-05			2700	6200	A 45200	42-06-10			3380	6800	A 62100
40-09-06			2270	4200	A 25700	42-06-11			2150	4000	A 23200
40-09-27			138	700	A 261	42-06-15			1090	5500	A 16200
40-10-02			50	300	A 40	42-06-29			635	1600	A 2740
40-10-17			41	8200	A 908	42-07-10			348	1700	A 1600
40-10-26			1620	6000	A 26200	42-07-14			259	100	A 70
40-10-27			3780	11600	A 118000	42-08-03			113	1000	A 305
40-10-28			1940	11600	A 60800	42-08-17			766	2400	A 4960
40-10-30			579	5200	A 8130	42-08-27			3700	8200	A 81900
40-12-03			276	2500	A 1860	42-09-01			257	200	A 139
40-12-10			108	700	A 204	42-09-11			942	20100	A 51100
40-12-23			134	700	A 253	42-09-20			4380	8300	A 98200
40-12-30			220	1900	A 1130	42-09-24			329	1100	A 977
41-01-06			116	600	A 188	42-10-05			2680	18700	A 135000
41-01-22			212	1500	A 859	43-02-09			342	400	A 369
41-02-03			184	900	A 447	43-05-12			3580	2800	A 27100
41-02-11			217	1700	A 996	43-05-15			701	300	A 568
41-02-26			192	800	A 415	43-05-18			9750	5700	A 150000
41-03-06			228	1100	A 677	43-05-27			1580	500	A 2130
41-03-19			159	900	A 386	43-06-05			642	600	A 1040
41-04-07			139	700	A 263	43-07-10			105	600	A 170
41-04-15			3680	14200	A 141000	43-08-05			43	1100	A 128
41-04-16	0001		2360	7300	A 46500	43-09-04			14	100	A 3.8
41-04-16	0002		18900	22100	A 1130000	43-10-25			1690	4300	A 19600
41-04-17			10200	15400	A 424000	43-11-02			71	200	A 38
41-04-20			3600	6500	A 63200	43-12-30			92	300	A 75
41-04-23			894	2400	A 5790	44-01-14			112	200	A 60
41-05-06			13300	29100	A 1040000	44-03-16			2300	8600	A 53400
41-05-07			5790	32600	A 510000	44-03-23			3140	800	A 6780
41-05-10			2580	18400	A 128000	44-05-01			2240	2700	A 16300
41-05-21			3460	6100	A 57000	44-05-10			1310	3300	A 11700
41-05-22			6650	13800	A 248000	44-05-18			1450	3900	A 15300
41-05-24			13400	9600	A 347000	44-06-03			1410	3600	A 13700
41-05-25			4990	5900	A 79500	44-06-13			11100	12700	A 381000
41-05-27			6500	17600	A 309000	44-06-14			11200	6000	A 181000
41-05-28			4710	33200	A 422000	44-07-06			194	400	A 210
41-05-31			1340	25400	A 91900	44-07-15			793	1200	A 2570
41-06-09			2600	9200	A 64600	44-07-25			625	2800	A 4720
41-06-10			27300	19400	A 1430000	44-07-31			599	2000	A 3230
41-06-12			9830	18000	A 478000	44-08-03			252	2800	A 1910
41-06-13			3300	15800	A 141000	44-08-14			91	200	A 49
41-06-16			1460	10300	A 40600	44-08-28			68	300	A 55
41-06-17			1030	8400	A 23400	44-09-06			199	500	A 269
41-07-01			379	800	A 819	44-09-22			19	400	A 21
41-07-08			292	5600	A 4420	44-10-04			4230	12100	A 138000
41-07-15			358	16600	A 16000	44-10-06			1650	5800	A 25800
41-08-01			565	13600	A 20700	44-10-10			779	2200	A 4630
41-08-06			292	3900	A 3070	44-10-18			119	500	A 161
41-08-11			151	800	A 326	44-11-01			58	100	A 16
41-08-26			102	700	A 193	44-11-10			564	2300	A 3500
41-09-08			703	3700	A 7020	44-12-07			3090	4800	A 40000
41-09-11			407	1700	A 1870	45-01-01			178	700	A 336
41-09-23			325	6200	A 5440	45-01-17			163	400	A 176
41-09-26			11300	91100	A 2780000	45-01-26			349	600	A 565
41-09-27			2750	63000	A 468000	45-03-05			426	300	A 345
41-10-07			837	7400	A 16700	45-03-21			424	1600	A 1830
41-10-13			428	3000	A 3470	45-03-28			376	700	A 711
41-10-16			12300	11300	A 375000	45-04-12			9500	4800	A 123000
41-10-17			5150	7800	A 108000	45-04-15			10500	10800	A 306000
41-10-20			1000	2100	A 5670	45-04-19			2730	3600	A 26500
41-10-23			38900	11600	A 1220000	45-04-21			926	800	A 2000
41-10-24			32400	14600	A 1280000	45-04-24			1020	700	A 1930
41-10-25			15300	9700	A 401000	45-05-11			578	300	A 468
41-10-27			9150	6200	A 153000	45-05-14			3020	1900	A 15500
41-10-31			4720	4600	A 58600	45-05-16			670	300	A 543
41-11-04			2660	2200	A 15800	45-06-07			329	300	A 266
41-11-11			937	900	A 2280	45-06-12			4090	2400	A 26500
41-11-15			734	600	A 1190	45-06-14			568	800	A 1230
41-12-05			519	500	A 701	45-06-19			352	600	A 570
42-01-21			587	700	A 1110	45-06-22			3840	3200	A 33200
42-03-11			397	900	A 965	45-06-23			2110	1900	A 10800
42-03-17			1570	4600	A 19500	45-06-25			518	1900	A 2660
42-03-27			357	700	A 675	45-06-29			5000	11600	A 157000
42-04-13			1750	1400	A 6620	45-06-30			5460	7700	A 114000
42-04-15			1250	1000	A 3380	45-07-03			946	900	A 2300
42-04-18			1250	1100	A 3710	45-07-11			9980	5200	A 140000
42-04-19			29000	13500	A 1060000	45-07-13			1550	2000	A 8370
42-04-20			22300	5400	A 325000	45-07-18			623	400	A 673
42-04-21			7620	3900	A 80200	45-08-03			110	100	A 30
42-04-22			6180	4300	A 71700	45-08-23			239	800	A 516
42-04-23			24100	64300	A 4180000	45-09-05			56	100	A 15
42-04-24			9260	50700	A 1270000	45-09-28			1260	2200	A 7480
42-04-25			27700	21700	A 1620000	45-10-03			1940	1800	A 9430
42-04-28			10400	9000	A 253000	46-01-18			224	100	A 60
42-04-30			4810	12200	A 158000	46-07-05			534	2000	A 2880

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

07160000 CIMARRON RIVER NEAR GUTHRIE, OKLA.--CONTINUED

115

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-08-26			352	2100	A 2000	51-02-21			1400	3600	A 13600
46-09-03			1120	6700	A 20300	51-02-27			458	500	A 618
46-09-06			454	6900	A 8460	51-04-02			459	300	A 372
46-10-10			2880	9300	A 72300	51-04-13			504	900	A 1220
46-10-14			2310	11000	A 68600	51-04-23			348	500	A 470
46-10-16			1140	6800	A 20900	51-05-18			34200	5000	A 462000
46-10-18			714	4400	A 8480	51-05-19			39100	14200	A 1500000
46-10-22			822	4000	A 8880	51-05-21			12800	10600	A 366000
46-11-06			1340	3700	A 13400	51-05-23			12120	9800	A 321000
46-11-15			406	2000	A 2190	51-05-25			11000	9200	A 273000
47-03-21			577	700	A 1090	51-05-28			8160	9800	A 216000
47-03-25			322	700	A 609	51-06-02			1630	2400	A 10600
47-04-07			1240	4600	A 15400	51-06-07			1160	1100	A 3450
47-04-10			2230	5300	A 31900	51-06-12			5420	4900	A 71700
47-04-13			22700	21000	A 1290000	51-06-21			2100	3000	A 17000
47-04-15			19000	9000	A 462000	51-06-25			18800	9400	A 477000
47-04-17			5960	4800	A 77200	51-06-26			13600	7500	A 275000
47-04-22			1520	1600	A 6570	51-06-29			2510	2400	A 16300
47-04-29			1680	1600	A 7260	51-07-01			26400	17200	A 1230000
47-05-14			6410	1100	A 19000	51-09-13			2670	11500	A 82900
47-05-16			25000	7700	A 520000	52-03-07			388	300	A 314
47-05-17			21600	4600	A 268000	52-03-17			573	900	A 1390
47-05-19			3670	2300	A 22800	52-03-24			390	200	A 211
47-05-22			6580	6200	A 110000	52-04-02			311	100	A 84
47-05-26			5870	5800	A 91900	52-04-24			3440	4900	A 45500
47-07-08			291	300	A 236	52-05-01			705	800	A 1520
48-02-25			403	1400	A 1520	52-05-09			627	600	A 1020
48-03-02			3900	6500	A 68400	52-05-19			722	2300	A 4480
48-06-23			29500	8800	A 701000	52-06-04			299	500	A 404
48-06-24			13100	4700	A 166000	53-03-04			339	500	A 458
48-06-29			21600	7300	A 426000	53-03-05			359	300	A 291
48-07-08			652	500	A 880	53-04-06			968	3300	A 8620
48-07-13			383	300	A 310	53-07-14			2350	10200	A 64700
48-07-21			1340	3300	A 11900	53-07-15			2560	10700	A 74000
48-08-18			3460	4900	A 45800	53-07-17			1110	6650	A 19900
48-11-02			5710	13100	A 202000	53-07-21			3500	4510	A 42600
48-11-08			360	1000	A 972	53-07-22			788	1180	A 2510
49-02-09			6690	4900	A 88500	53-07-24			2640	5940	A 42300
49-05-05			895	1000	A 2420	53-07-27			506	1230	A 1680
49-05-08			14500	10700	A 419000	53-07-30			430	7610	A 8840
49-05-09			4680	7000	A 88500	53-08-05			1810	6190	A 30300
49-05-12			1450	1600	A 6260	53-08-26			836	18000	A 40600
49-05-17			18700	11400	A 576000	53-11-20			6220	6960	A 117000
49-05-18			27100	10300	A 754000	53-11-23			316	1400	A 1190
49-05-19			28300	11000	A 841000	53-12-04			2270	5560	A 34100
49-05-20			50400	4500	A 612000	54-05-01			4500	18500	A 225000
49-05-21			18600	5100	A 256000	54-05-05			909	10500	A 25800
49-05-23			12700	3500	A 120000	54-05-26			10800	10000	A 292000
49-05-27			4410	1500	A 17900	54-05-27			4960	5570	A 74600
49-06-10			12100	8200	A 268000	54-05-28			2310	5130	A 32000
49-06-17			4030	3200	A 34800	54-05-29			1740	7630	A 35800
49-06-30			940	600	A 1520	54-06-01			930	1260	A 3160
49-07-22			673	500	A 909	54-06-03			468	640	A 809
49-08-02			1070	1100	A 3180	54-06-17			744	1760	A 3540
49-09-07			2710	6300	A 46100	55-04-19			489	45300	A 59800
49-09-08			1660	2400	A 10800	55-04-20			446	32200	A 38800
49-09-09			2460	5000	A 33200	55-05-09			211	3230	A 1840
49-09-17			3270	7500	A 66200	55-05-10			5460	11800	A 174000
49-11-07			322	200	A 174	55-05-11			2080	7140	A 40100
50-01-17			404	300	A 327	55-05-12			8870	11400	A 273000
50-05-09			5790	7500	A 117000	55-05-13			4350	5470	A 64200
50-05-11			3210	2200	A 19100	55-05-16			479	840	A 1090
50-05-17			443	2500	A 2990	55-05-20			28700	9290	A 720000
50-05-18			371	2500	A 2500	55-05-21			36700	6450	A 639000
50-05-26			475	1200	A 1540	55-05-22			19800	16600	A 887000
50-05-29			1120	500	A 1510	55-05-24			12200	16600	A 547000
50-06-02			329	3900	A 3460	55-05-25			6220	27100	A 455000
50-06-05			1820	3800	A 18700	55-05-27			24100	18800	A 1220000
50-06-11			2240	3900	A 23600	55-07-01			878	1140	A 2700
50-06-12			2760	7300	A 54400	55-07-06			4290	7350	A 85100
50-07-13			485	400	A 524	55-07-11			456	600	A 739
50-07-14			642	1600	A 2770	55-10-03			18500	11100	A 554000
50-07-20			6450	13300	A 232000	55-10-04			28500	7080	A 545000
50-07-26			21800	15000	A 883000	55-10-12			539	200	A 291
50-07-27			4600	8600	A 107000	55-10-17			274	260	A 192
50-07-28			3490	6100	A 57500	56-05-29			469	340	A 431
50-07-29			3000	14300	A 116000	56-07-24			527	8700	A 12400
50-07-30			41200	6500	A 723000	57-03-29			491	6460	A 8560
50-07-31			12500	5700	A 192000	57-04-05			1820	10100	A 49600
50-08-02			31200	6000	A 505000	57-04-21			10800	12200	A 356000
50-08-04			8580	100	A 2320	57-04-22			9620	9300	A 242000
50-08-07			4080	4300	A 47400	57-04-24			15100	8080	A 329000
50-08-15			1590	2500	A 10700	57-04-25			6140	7870	A 130000
50-08-21			844	500	A 1140	57-04-29			1130	3680	A 11200
50-09-11			833	1300	A 2920	57-05-03			25600	14000	A 968000
50-09-25			740	800	A 1600	57-05-08			2170	3510	A 20600
50-10-02			539	800	A 1160	57-05-14			4540	9470	A 116000
50-10-12			469	100	A 127	57-05-17			136000	7160	A 2630000
50-10-26			250	600	A 405	57-05-18			67900	8470	A 1550000

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

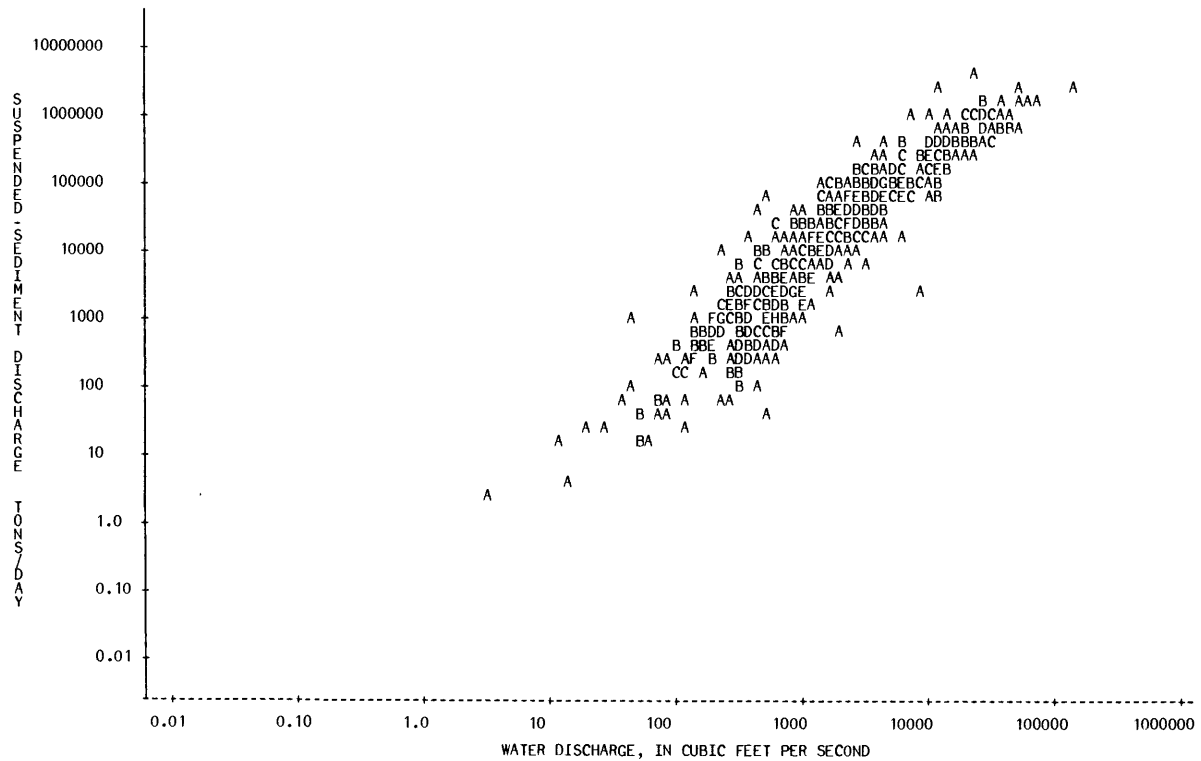
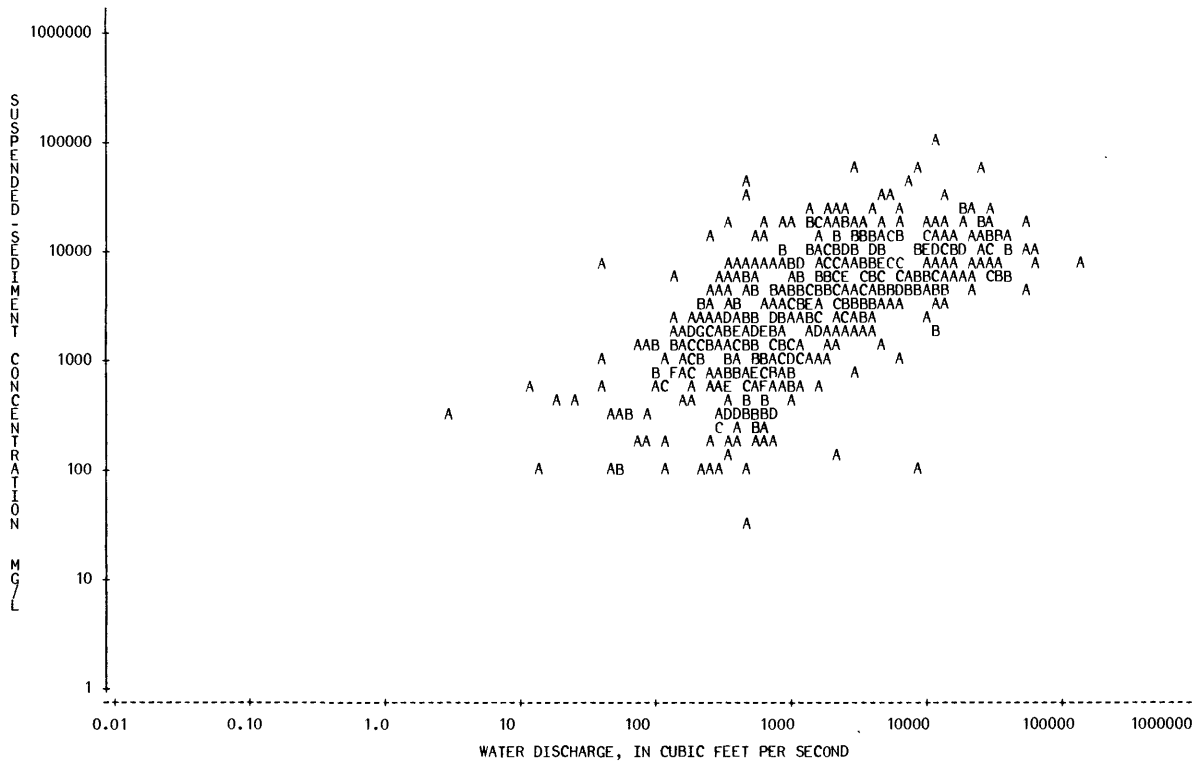
07160000 CIMARRON RIVER NEAR GUTHRIE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-05-19			15400	6370	A 265000	69-03-24			4390	4510	A 53500
57-05-20			8900	3950	A 94900	69-04-28			8210	4940	A 110000
57-05-22			14500	4410	A 173000	69-05-07			10700	2650	A 76600
57-06-05			6390	5430	A 93700	69-05-09			12100	2960	A 96700
57-06-11			40700	10400	A 1140000	69-05-16			1680	1560	A 7080
57-06-17			2700	2820	A 20600	69-09-17			542	1710	A 2500
57-06-24			51600	11300	A 1570000	69-09-22			970	2870	A 7520
57-07-16			699	310	A 585	70-04-19			16000	12300	A 531000
57-09-16			9590	9400	A 243000	70-04-19	0001		16000	9790	A 423000
57-09-24			1380	8870	A 33000	70-04-21			4290	6160	A 71400
57-11-13			551	790	A 1180	71-09-27			1330	2330	A 8370
59-03-09			320	120	A 104	71-11-04			817	1190	A 2630
59-04-02			343	530	A 491	71-11-29			712	1500	A 2880
59-04-21			611	740	A 1220	73-02-06			1000	1520	A 4100
59-05-09			1920	4910	A 25500	73-03-10			13600	18500	A 679000
59-05-12			1910	6930	A 35700	73-03-12			13000	13000	A 456000
59-07-29			991	8570	A 22900	73-03-20			1564	940	A 3970
59-08-19			613	13200	A 21800	73-03-31			35600	7410	A 712000
59-09-24			19300	21300	A 1110000	73-04-02			12000	2030	A 65800
59-09-28			4470	3620	A 43700	73-04-16			5780	4760	A 74300
59-10-03			64700	9390	A 1640000	73-05-01			2100	140	A 794
59-11-09			563	270	A 410	73-06-06			5790	3370	A 52700
59-12-21			1070	690	A 1990	73-07-16			2500	3880	A 26200
60-01-11			640	290	A 501	73-10-01			3320	1800	A 16100
60-03-25			1070	540	A 1560	73-10-12			42400	4970	A 569000
60-03-31			7000	5770	A 109000	73-10-16			3990	1900	A 20500
60-04-12			599	190	A 307	73-11-27			1280	1060	A 3660
60-05-06			2280	12400	A 76300	74-01-29			590	500	A 796
60-05-10			935	1550	A 3910	74-03-11			29500	5370	A 428000
60-06-09			11700	11200	A 354000	74-04-02			668	370	A 667
60-07-13			914	1010	A 2490	74-04-23			2460	2380	A 15800
60-08-23			936	3040	A 7680	74-06-11			2150	1270	A 7370
60-08-26			10100	12100	A 330000	74-09-05			3110	2820	A 23700
60-09-12			1010	900	A 2450	75-02-28			3790	11100	A 114000
60-09-28			720	2810	A 5460	75-04-25			735	170	A 337
60-11-02			11400	1930	A 59400	75-05-14			11700	4700	A 148000
61-03-24			1100	3460	A 10300	76-05-15			8770	4100	A 97100
61-04-03			3420	2850	A 26300	76-05-27			6700	3150	A 57000
61-06-23			615	210	A 349						
61-09-05			408	220	A 242						
61-09-14			29500	12200	A 972000						
61-10-04			492	30	A 40						
61-11-07			1850	1030	A 5140						
61-11-27			718	330	A 640						
61-12-22			727	350	A 687						
62-01-17			469	370	A 469						
62-06-10			28000	5550	A 420000						
62-06-25			583	230	A 362						
62-08-01			2600	3200	A 22500						
63-06-05			378	1950	A 1990						
63-06-24			32600	12400	A 1090000						
63-06-25			14500	6500	A 254000						
63-06-28			2530	1690	A 11500						
63-07-01			943	490	A 1250						
63-07-07			995	5160	A 13900						
63-07-17			764	1020	A 2100						
63-09-12			2320	7690	A 48200						
63-09-18			2060	3570	A 19900						
63-09-25			304	260	A 213						
63-10-24			585	1870	A 2950						
64-02-19			306	210	A 174						
64-05-12			10400	6890	A 193000						
64-05-20			327	280	A 247						
64-08-20			475	4020	A 5160						
64-11-18			12600	5630	A 192000						
64-11-27			551	350	A 521						
65-06-10			701	2370	A 4490						
65-06-17			1120	5430	A 16400						
65-06-23			1400	3370	A 12700						
65-06-24			5200	14500	A 204000						
65-07-08			1480	7340	A 29300						
65-07-14			409	5590	A 6170						
65-08-30			1370	20500	A 75800						
65-09-21			53400	15900	A 2290000						
65-09-23			6000	4110	A 66600						
65-10-25			1520	20400	A 83700						
65-11-04			464	2000	A 2510						
66-01-07			293	800	A 633						
66-03-15			337	330	A 300						
66-08-15			678	1120	A 2050						
67-06-13			2800	2630	A 19900						
67-06-26			11320	4680	A 143000						
67-07-21			659	7580	A 13500						
67-09-06			2220	9360	A 56100						
68-05-08			2600	5040	A 35400						
68-05-17			647	510	A 891						
68-06-17			4400	6590	A 78300						
68-08-21			1490	17800	A 71600						
68-10-19			3090	11900	A 99300						

\*\*\*\*\*  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07160000 CIMARRON RIVER NEAR GUTHRIE, OKLA.



## ARKANSAS RIVER BASIN

07161000 CIMARRON RIVER AT PERKINS, OKLA.

LOCATION.--Lat 35°57'32", long 97°01'49", in SW 1/4 SW 1/4 sec.7, T.17 N., R.3 E., Payne County, Hydrologic Unit 11050003, near right bank at downstream side of bridge on U.S. Highway 177, 1.0 mi (1.6 km) south of Perkins, 1.5 mi (2.4 km) upstream from Dugout Creek, 4.0 mi (6.4 km) downstream from Wildhorse Creek, and at mile 87.3 (140.5 km).

DRAINAGE AREA.--17,852 mi<sup>2</sup> (46,237 km<sup>2</sup>) of which 4,962 mi<sup>2</sup> (12,758 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)
39-06-29			4370	12700	A 150000	43-10-06			42	100	A 11
39-07-02			1990	6800	A 36500	43-10-15			22	200	A 12
39-07-26			316	1600	A 1370	43-10-23			6320	6300	A 108000
39-08-24			278	3400	A 2550	43-10-26			1100	3800	A 11300
39-09-11			12	400	A 13	43-11-19			54	100	A 15
39-09-21			10.0	400	A 11	43-11-29			58	200	A 31
40-03-06			102	1900	A 523	43-12-16			149	600	A 241
40-04-11			2930	12900	A 102000	43-12-23			143	300	A 116
40-05-21			2470	32400	A 216000	44-01-04			173	300	A 140
40-06-12			2190	9000	A 53200	44-01-10			168	400	A 181
40-06-21			350	8500	A 8030	44-01-18			215	500	A 290
40-07-03			5710	10500	A 162000	44-01-27			317	1400	A 1200
40-07-05			3030	11400	A 93300	44-02-01			777	3500	A 7340
40-08-19			2430	16300	A 107000	44-02-10			334	700	A 631
40-09-05			2890	8400	A 65500	44-02-17			204	200	A 110
41-04-25			2690	2200	A 16000	44-03-16			1330	6500	A 23300
41-05-05			9790	6100	A 161000	44-03-17			2400	7400	A 48000
41-05-06			27900	11800	A 889000	44-03-23			8050	9400	A 204000
41-05-07			11400	24200	A 745000	44-03-27			588	800	A 1270
41-05-09			5640	20100	A 306000	44-04-04			602	800	A 1300
41-05-21			5790	9000	A 141000	44-04-10			49700	14100	A 1890000
41-05-22			18400	10900	A 542000	44-04-11			53000	9900	A 1420000
41-08-26			249	2200	A 1480	44-04-14			3350	8300	A 75100
41-09-26			3450	73800	A 687000	44-04-20			3120	5400	A 45500
42-04-17			13500	9700	A 354000	44-04-23			24100	29300	A 1910000
42-04-19			25500	7300	A 503000	44-05-03			6230	11400	A 192000
42-04-23			30500	55100	A 4540000	44-05-08			2240	11000	A 66500
42-05-01			4530	11500	A 141000	44-05-24			492	700	A 930
42-06-08	0001		10600	9100	A 260000	44-05-28			1590	3800	A 16300
42-06-08	0002		10200	8200	A 226000	44-05-31			877	700	A 1660
42-06-16			1230	2800	A 9300	44-06-02			2120	6400	A 36600
42-06-24			5360	4000	A 57900	44-06-08			805	3700	A 8040
42-07-03			2030	7000	A 38400	44-06-13			10000	10900	A 294000
42-09-18			307	2800	A 2320	44-06-22			350	500	A 472
42-10-24			830	1400	A 3140	44-06-29			230	200	A 124
42-11-13			289	500	A 390	44-07-04			464	500	A 626
43-01-05			960	600	A 1560	44-07-10			396	1000	A 1070
43-02-16			258	200	A 139	44-07-12			4800	8300	A 108000
43-04-21			255	400	A 275	44-07-17			570	1500	A 2310
43-05-10			5980	6200	A 100000	44-07-24			1630	600	A 2640
43-05-20			46500	6400	A 804000	44-07-26			626	2200	A 3720
43-05-21			16600	4000	A 179000	44-07-27			4100	16500	A 183000
43-05-26			1880	600	A 3050	44-07-31			832	2500	A 5620
43-06-02			1270	1100	A 3770	44-08-11			112	300	A 91
43-06-10			1000	600	A 1620	44-08-14			177	200	A 96
43-06-19			436	300	A 353	44-08-17			162	200	A 87
43-07-01			257	200	A 139	44-08-21			229	600	A 371
43-07-17			992	2100	A 5620	44-08-28			97	100	A 26
43-07-26			228	400	A 246	44-09-05			129	400	A 139
43-08-06			84	200	A 45	44-09-12			83	200	A 45
43-08-19			40	200	A 22	44-09-27			37	200	A 20
43-09-01			25	100	A 6.7	44-09-30	0001		6010	8000	A 130000
43-09-11			23	100	A 6.2	44-09-30	0002		5420	6800	A 99500

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USOA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07161000 CIMARRON RIVER AT PERKINS, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-10-01			2810	4200	A 31900	46-04-02			669	3200	A 5780
44-10-07			1550	3400	A 14200	46-04-09			273	300	A 221
44-10-12			568	1000	A 1530	46-04-16			208	200	A 112
44-10-19			168	200	A 91	46-04-25			338	400	A 365
44-10-20			140	400	A 151	46-05-02			1280	2200	A 7600
44-10-25			110	100	A 30	46-05-09			342	200	A 185
44-11-01			85	400	A 92	46-05-15			322	300	A 261
44-11-09			1260	3900	A 13300	46-05-27			144	500	A 194
44-11-16			202	500	A 273	46-06-03			965	4900	A 12800
44-11-22			152	100	A 41	46-06-11			217	2100	A 1230
44-11-30			241	300	A 195	46-06-25			308	7400	A 6150
44-12-06			10300	6400	A 178000	46-07-01			8460	8900	A 203000
44-12-07			8000	4000	A 86400	46-07-02			4780	8200	A 106000
44-12-08			3320	2700	A 24200	46-08-27			2410	5300	A 34500
44-12-16			441	500	A 595	46-08-28			1400	3700	A 14000
44-12-20			337	400	A 364	46-09-23			994	9500	A 25500
44-12-29			281	300	A 228	46-10-10			2800	12400	A 93700
45-01-05			230	200	A 124	46-10-15			2250	11300	A 68600
45-01-10			234	200	A 126	46-11-05			1940	5500	A 28800
45-01-17			206	200	A 111	47-02-19			107	400	A 116
45-01-25			349	100	A 94	47-04-04			1080	2000	A 5830
45-01-31			366	200	A 198	47-04-14			43900	9500	A 1130000
45-02-07			284	100	A 77	47-04-17			12100	7800	A 255000
45-02-07	0001		316	100	A 85	47-05-01			1850	1800	A 8990
45-03-03			557	500	A 752	47-05-13			15800	13200	A 563000
45-03-08			418	500	A 564	47-05-16			30300	8600	A 704000
45-03-14			607	300	A 492	47-05-20			9400	5600	A 142000
45-03-17			308	200	A 166	47-05-29			2270	2400	A 14700
45-03-22			481	1600	A 2080	47-06-04			1190	1300	A 4180
45-03-24			10700	24400	A 705000	47-06-10			890	1600	A 3840
45-03-25			7750	17200	A 360000	47-06-25			464	500	A 626
45-03-27			1790	17100	A 82600	48-02-19			207	300	A 168
45-03-31			2260	5600	A 34200	48-03-04			3250	5600	A 49100
45-04-04			396	500	A 535	48-03-18			1060	1200	A 3430
45-04-05			871	600	A 1410	48-05-04			221	300	A 179
45-04-11			293	300	A 237	48-06-23			22900	9300	A 575000
45-04-12	0001		24700	21800	A 1450000	48-06-24			34000	7500	A 689000
45-04-12	0002		22800	12200	A 751000	48-06-29			27800	12700	A 953000
45-04-16			32600	12700	A 1120000	48-07-15			507	300	A 411
45-04-17			22000	6000	A 356000	48-07-29			597	500	A 806
45-04-19			4590	4900	A 60700	48-08-12			3900	5300	A 55800
45-04-27			3720	3100	A 31100	48-08-17			7340	8200	A 163000
45-05-10			656	300	A 531	48-08-26			429	500	A 579
45-05-14			5470	4700	A 69400	49-02-07			11800	7300	A 233000
45-05-16			1170	1000	A 3160	49-02-10			6900	4400	A 82000
45-05-31			231	500	A 312	49-03-07			1030	600	A 1670
45-06-08			402	300	A 326	49-03-21			698	500	A 942
45-06-11			2730	4900	A 36100	49-04-08			823	600	A 1330
45-06-14			1510	1400	A 5710	49-04-15			473	400	A 511
45-06-20			424	400	A 458	49-05-04			1360	2500	A 9180
45-06-21			12200	10000	A 329000	49-05-08			10100	9500	A 259000
45-06-23			5310	2900	A 41600	49-05-19			39400	11700	A 1240000
45-06-27			5710	5800	A 89400	49-05-24			21800	7800	A 459000
45-06-29			7860	6500	A 138000	49-06-03			4330	1700	A 19900
45-07-02			2410	3200	A 20800	49-06-08			5520	15200	A 227000
45-07-07			6090	5900	A 97000	49-06-15			20600	6900	A 384000
45-07-09			6800	3700	A 67900	49-07-06			4400	9500	A 113000
45-07-11			11200	8100	A 245000	49-07-20			1040	1100	A 3090
45-07-13			3540	1900	A 18200	49-07-27			510	500	A 688
45-07-18			908	700	A 1720	49-08-09			476	400	A 514
45-08-08			136	100	A 37	49-08-30			158	100	A 43
45-09-05			98	200	A 53	49-09-06			855	1300	A 3000
45-09-13			71	100	A 19	49-09-13			1000	1800	A 4860
45-09-19			47	100	A 13	49-09-27			365	300	A 296
45-09-27			4310	5500	A 64000	49-10-11			175	200	A 94
45-10-02			8340	3700	A 83300	49-10-18			1640	4800	A 21300
45-10-15			414	300	A 335	49-10-25			1470	1500	A 5950
45-10-24			326	400	A 352	49-11-07			368	400	A 397
45-10-29			257	500	A 347	49-11-21			221	100	A 60
45-11-05			207	100	A 56	49-12-05			224	100	A 60
45-11-19			190	100	A 51	49-12-14			249	200	A 134
45-11-27			186	100	A 50	50-01-06			190	700	A 359
45-12-05			183	300	A 148	50-01-17			431	200	A 233
45-12-12			148	400	A 160	50-02-25			103	100	A 28
45-12-29			206	600	A 334	50-02-28			457	2700	A 3330
46-01-03			190	500	A 256	50-05-10			7400	8400	A 168000
46-01-10			470	300	A 381	50-05-17			680	2400	A 4410
46-01-17			307	400	A 332	50-05-31			738	2900	A 5780
46-01-23			301	300	A 244	50-06-06			2000	3200	A 17300
46-01-29			238	400	A 257	50-06-20			195	200	A 105
46-02-06			197	300	A 160	50-07-06			371	400	A 401
46-02-15			248	300	A 201	50-07-21			10500	10600	A 301000
46-02-20			3510	2700	A 25600	50-07-30			45500	11600	A 1430000
46-02-26			644	1200	A 2090	50-07-31			37400	2600	A 263000
46-03-07			421	300	A 341	50-08-09			3530	7100	A 67700
46-03-12			292	200	A 158	50-08-16			1720	2200	A 10200
46-03-20			313	200	A 169	50-08-30			2950	3200	A 25500
46-03-26			252	200	A 136	50-09-13			831	1200	A 2690

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07161000 CIMARRON RIVER AT PERKINS, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
50-09-27			712	700	A 1350	58-07-11			2890	5660	A 44200
50-10-11			612	4300	A 7110	58-09-18			2060	3190	A 17700
50-10-26			287	400	A 310	59-04-21			830	710	A 1590
50-11-08			275	400	A 297	59-05-10			3040	6040	A 49600
50-11-21			264	200	A 143	59-05-12			2240	5470	A 33100
50-12-19			399	200	A 215	59-09-04			707	3110	A 5940
51-01-17			305	200	A 165	59-09-25			42100	17800	A 2020000
51-02-02			113	200	A 61	59-09-28			7450	4390	A 88300
51-02-12			300	100	A 81	60-02-08			6620	6340	A 113000
51-02-21			1610	2000	A 8690	60-02-19			1600	590	A 2550
51-03-14			507	600	A 821	60-03-15			2840	1340	A 10300
51-04-10			1290	2500	A 8710	60-04-18			2550	5280	A 36400
51-05-19			45200	10500	A 1280000	60-05-06			2600	2930	A 20600
51-05-20			48700	14100	A 1850000	60-05-31			12100	8070	A 264000
51-05-21			16500	11400	A 508000	60-06-08			12800	8430	A 291000
51-05-24			14200	9000	A 345000	60-06-10			6810	6400	A 118000
51-05-29			9940	9500	A 255000	60-06-15			3880	6140	A 64300
51-06-06			3060	6400	A 52900	60-07-12			2540	5800	A 39800
51-06-20			2860	2100	A 16200	60-08-23			1960	6590	A 34900
51-07-02			33100	14500	A 1300000	60-11-02			1800	2010	A 9770
51-07-20			1240	700	A 2340	61-03-22			2220	3140	A 18800
51-08-01			815	1400	A 3080	61-04-17			843	440	A 1000
51-08-15			581	400	A 627	61-05-07			8450	8620	A 197000
51-08-29			176	600	A 285	61-05-09			3950	3240	A 34600
51-09-10			1710	3800	A 17500	61-06-09			10200	4250	A 117000
51-09-26			398	700	A 752	61-06-14			2140	1830	A 10600
51-10-09			254	400	A 274	61-06-22			844	420	A 957
51-11-08			491	700	A 928	61-08-24			2260	3290	A 20100
51-11-19			374	300	A 303	61-09-14			52600	13300	A 1890000
51-12-04			427	200	A 231	61-10-10			16200	9210	A 403000
51-12-17			204	100	A 55	61-11-20			2070	1320	A 7380
52-01-08			460	200	A 248	62-01-29			1600	580	A 2510
52-01-22			375	200	A 202	62-02-06			1110	510	A 1530
52-02-06			355	100	A 96	62-06-09			31100	10600	A 890000
52-02-19			394	100	A 106	62-06-12			7530	3220	A 65500
52-03-05			591	200	A 319	62-06-19			956	460	A 1190
52-03-10			2690	3600	A 26100	62-06-27			3970	13800	A 148000
52-03-12			1610	3600	A 15600	62-07-31			4020	6600	A 71600
52-03-19			784	700	A 1480	62-11-29			922	670	A 1670
52-04-02			371	100	A 100	63-06-19			893	1870	A 4510
52-04-17			472	300	A 382	63-06-24			38800	13600	A 1420000
52-04-22			710	500	A 958	63-06-25			26200	13500	A 955000
52-05-14			613	300	A 497	63-06-26			10300	8160	A 227000
52-05-28			1550	2300	A 9630	63-06-28			4540	2940	A 36000
53-04-07			807	1200	A 2610	63-07-02			1180	480	A 1530
53-07-21			5380	7230	A 105000	63-07-16			3440	3170	A 29400
53-07-22			2750	3210	A 23800	63-07-17			1720	2080	A 9660
53-12-21			156	470	A 198	63-09-06			1920	4590	A 23800
54-05-03			2950	7280	A 58000	63-09-10			1280	1740	A 6010
54-05-26			8850	7850	A 188000	63-09-18			8700	5850	A 137000
54-05-27			9600	7110	A 184000	63-10-22			1860	2100	A 10500
54-05-28			4950	3970	A 53100	64-05-12			17300	8290	A 387000
54-06-03			730	940	A 1850	65-06-17			1140	1740	A 5360
54-06-14			252	740	A 503	65-08-27			1170	3970	A 12500
55-05-10			7600	6440	A 132000	65-08-31			1270	16200	A 55500
55-05-13			8960	7890	A 191000	65-09-22			50400	8300	A 1130000
55-05-16			1060	2810	A 8040	65-09-24			5420	5840	A 85500
55-05-20			20800	5010	A 281000	65-10-26			1920	35700	A 185000
55-05-21			47000	7640	A 970000	65-11-05			500	4140	A 5590
55-05-22			34000	5440	A 499000	66-01-06			404	1200	A 1310
55-05-23			17900	10700	A 517000	66-02-18			432	4150	A 4840
55-05-24			12900	12600	A 439000	66-03-10			333	790	A 710
55-05-25			10800	16600	A 484000	67-06-15			1390	1710	A 6420
55-05-26			7700	19800	A 412000	67-06-27			7860	5030	A 107000
55-05-27			33500	6870	A 621000	67-06-30			1320	3240	A 11500
55-05-28			16400	4260	A 189000	67-09-11			704	1110	A 2110
55-05-30			3930	3960	A 42000	68-04-05			3470	3650	A 34200
55-06-09			1760	4750	A 22600	68-04-17			1210	2850	A 9310
55-06-14			823	580	A 1290	68-05-17			1380	1980	A 7380
55-06-20			29700	4640	A 372000	68-05-27			4710	1610	A 20500
55-06-22			11300	4770	A 146000	68-06-18			5080	2850	A 39100
55-07-05			1120	700	A 2120	68-08-22			1610	22700	A 98700
55-10-05			46000	6580	A 817000	68-09-04			1420	5490	A 21000
55-10-06			16000	4320	A 187000	69-03-28			1600	1390	A 6000
55-10-10			1100	720	A 2140	69-04-28			11400	5720	A 176000
57-04-04			692	2080	A 3890	69-04-29			7070	2820	A 53800
57-04-22			15800	11100	A 474000	69-05-07			19900	6200	A 333000
57-04-23			14800	9700	A 388000	69-05-09			17600	4290	A 204000
57-04-25			10600	6150	A 176000	69-09-29			623	5040	A 8480
57-04-30			1320	3720	A 13300	70-04-03			2300	1730	A 10700
57-05-03			26500	10500	A 751000	70-04-21			6700	4710	A 85200
57-05-07			4110	4720	A 52400	71-06-14	0001		4550	4080	A 50100
57-05-13			4310	8070	A 93900	71-06-14	0002		4650	2970	A 37300
57-05-21			88800	6480	A 1550000	71-09-28			1940	2450	A 12800
57-05-22			22200	5710	A 342000	71-11-30			750	1210	A 2450
57-05-27			13200	4660	A 166000	71-12-20			830	580	A 1300
57-06-18			13200	7010	A 250000	72-05-16			1800	3380	A 16400
57-09-16			14200	14100	A 541000	72-06-23			1620	17000	A 74400
58-06-24			3750	5560	A 56300	72-09-12			2470	3900	A 26000

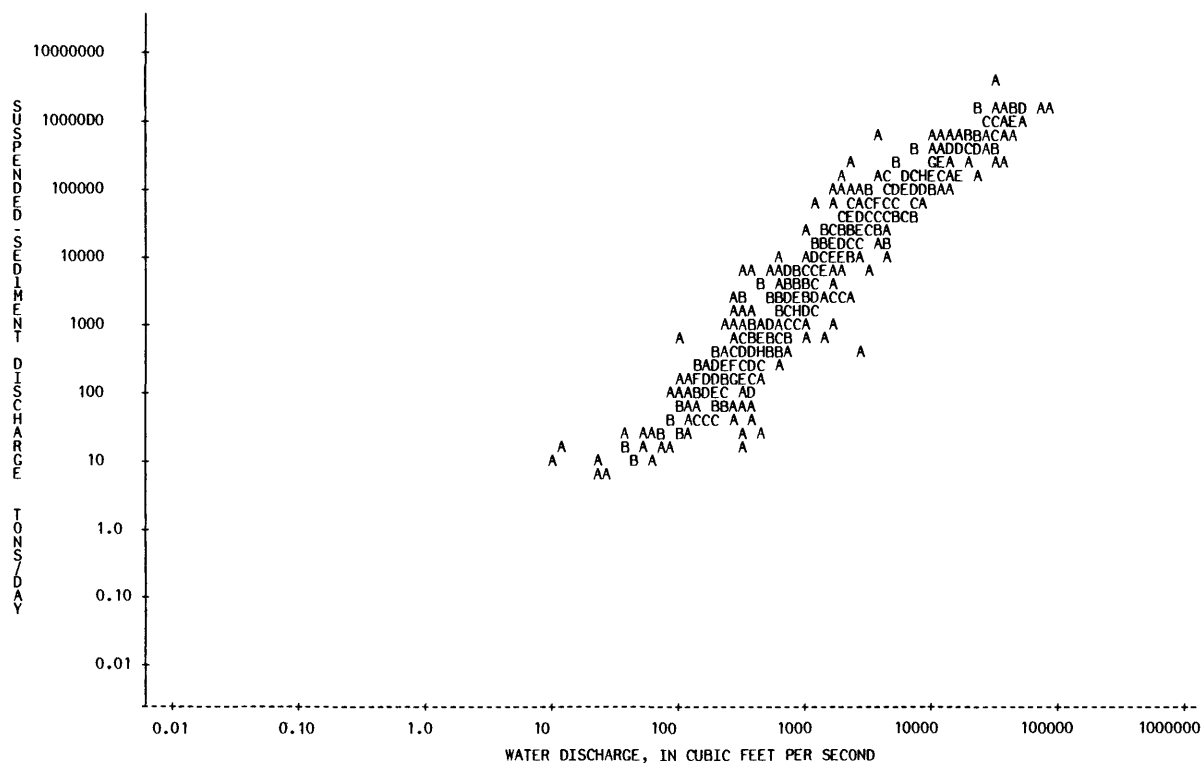
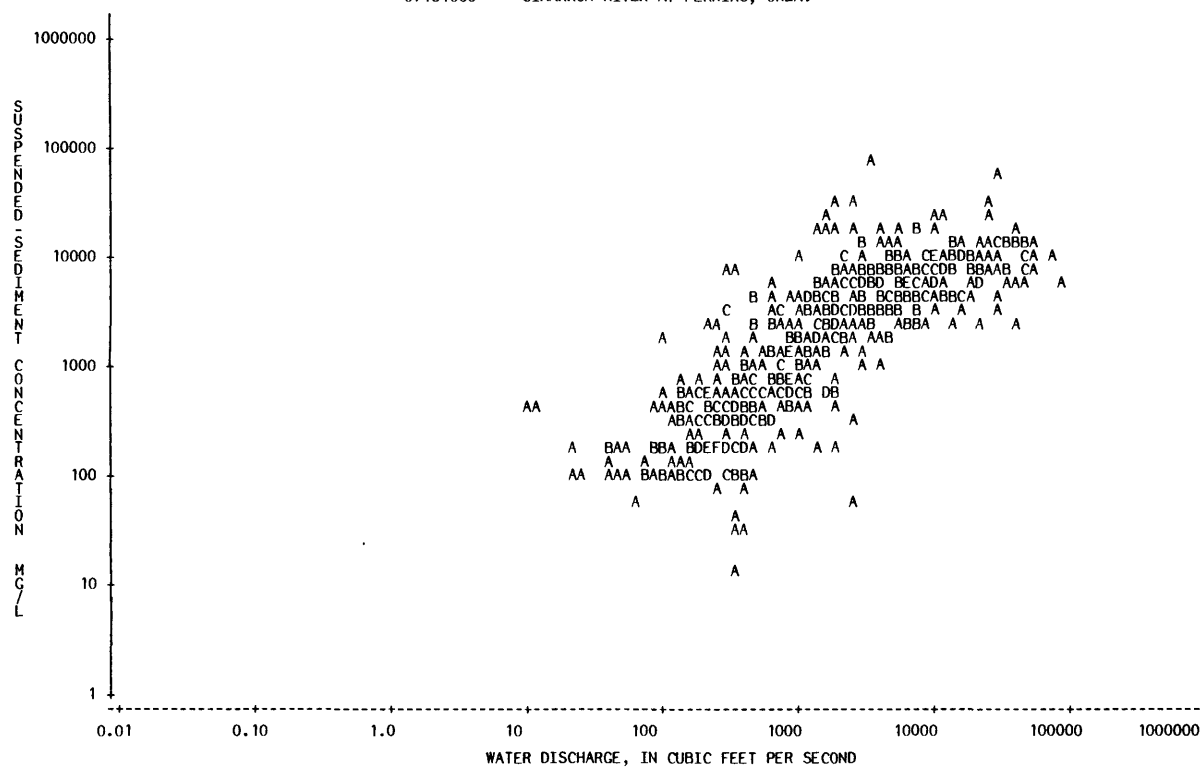
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07161000 CIMARRON RIVER AT PERKINS, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-01-19			1400	1850	A 6990	80-05-16	1615	37900	6500	A 665000	
73-02-09			910	730	A 1790	80-05-18	1250	16900	3330	A 152000	
73-03-09			3670	5690	A 56400	80-05-31	1440	22000	2300	A 137000	
73-03-10			30100	11900	A 967000	80-06-19	1600	22400	5720	346000	
73-03-14			9970	3330	A 89600	80-07-14	1545	412	28	31	
73-04-02			13600	2440	A 89600	80-08-20	0930	75	108	22	
73-04-20			5910	2760	A 44000	80-09-24	0915	65	64	11	
73-05-04			6990	2370	A 44700						
73-05-17			1090	650	A 1910						
73-07-16			1850	2900	A 14500						
73-09-14			1780	3100	A 14900						
73-10-05			1970	1670	A 8880						
73-10-14			12800	3940	A 136000						
73-10-16			5850	2610	A 41200						
73-10-30			760	210	A 431						
73-11-30			1480	560	A 2240						
74-01-31			721	400	A 779						
74-02-26			1780	750	A 3600						
74-03-12			30000	2960	A 240000						
74-03-14			8850	2610	A 62400						
74-05-03			19800	7380	A 395000						
74-06-03			2710	3360	A 24600						
74-08-30			8110	9300	A 204000						
74-10-30	1030		7670	2260	46800						
74-11-03			68700	9210	A 1710000						
74-11-05			47000	8540	A 1080000						
74-11-20	1200		2460	359	2380						
74-12-17	1200		1860	500	2510						
75-01-21	1000		1330	163	585						
75-03-12	1030		4120	1110	12300						
75-04-09	1430		1870	438	2210						
75-05-06	0900		2640	62	442						
75-08-12	1000		974	252	663						
75-09-11	0700		374	75	76						
75-12-16	1400		347	38	36						
76-01-16	1100		329	28	25						
76-05-03	1500		1550	2400	10000						
76-05-07			1560	5000	A 21100						
76-05-13			8940	4770	A 115000						
76-05-28			12400	3690	A 124000						
76-07-09	1200		294	208	165						
76-08-24	1030		40	134	14						
76-09-22	1200		112	155	47						
76-10-19	1100		81	88	19						
76-11-22	1330		106	191	55						
76-12-20	1230		126	405	138						
77-01-27	0900		197	258	137						
77-02-23	1200		186	101	51						
77-03-29	1200		142	351	135						
77-04-27	1000		383	962	995						
77-06-07			1260	1290	A 4390						
77-06-21	1215		347	174	163						
77-07-29	1015		142	132	51						
77-08-26	1200		1160	4400	13800						
77-09-28	1300		222	362	217						
77-10-11	1445		134	548	198						
77-11-08	1115		151	150	61						
77-12-29	1045		179	555	268						
78-01-10	1000		150	229	93						
78-02-03	1545		160	366	158						
78-03-03	1130		509	320	440						
78-04-13	0945		381	231	238						
78-05-11	1630		486	2390	3140						
78-06-08	1110		5880	2480	A 39400						
78-06-23	0900		4090	2040	22500						
78-07-20	1300		186	166	83						
78-08-11	1100		163	103	45						
78-09-19	1120		143	114	44						
78-10-23	1215		49	167	22						
78-11-09	1030		78	152	32						
78-12-26	1430		97	568	149						
79-02-08	0830		433	923	1080						
79-03-08	1000		667	1470	2650						
79-04-17	1020		667	360	648						
79-05-22	0950		977	749	1980						
79-06-19	0930		480	747	968						
79-07-10	1500		730	1140	2250						
79-08-19	1238		262	70	A 50						
79-08-21	1000		259	1060	741						
79-09-25	0845		204	441	243						
79-10-04	1330		129	759	264						
79-11-19	1000		297	930	746						
79-12-13	1200		312	3240	2730						
80-01-16	1445		266	1240	891						
80-02-25	1045		456	107	132						
80-03-10	1200		341	15	14						
80-04-08	1400		977	880	2320						
80-05-01	1630		2950	900	A 7170						
80-05-07	0930		1720	187	868						

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07161000 CIMARRON RIVER AT PERKINS, OKLA.



## ARKANSAS RIVER BASIN

07164000 CIMARRON RIVER AT MANNFORD, OKLA.

LOCATION.--Lat 36°09', long 96°23', in SW 1/4 NW 1/4 sec.5, T.19 N., R.9 E., Creek County, Hydrologic Unit 1105D003, at county highway bridge 0.5 mi (0.8 km) north of Mannford, 1.5 mi (2.4 km) downstream from House Creek, and at mile 17.7 (28.5 km).

DRAINAGE AREA.--18,849 mi<sup>2</sup> (48,819 km<sup>2</sup>), of which 4,926 mi<sup>2</sup> (12,758 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-50.

REMARKS.--Station inundated by Keystone Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-06-30			6630	18100	A 324000	43-07-01			473	200	A 255
39-07-01			4020	10500	A 114000	43-07-05			302	400	A 326
39-07-03			4210	6400	A 72700	43-07-12			242	500	A 327
39-08-11			321	700	A 607	43-07-17			1030	1400	A 3890
39-08-25			960	7900	A 20500	43-07-20			563	800	A 1220
39-09-11			28	900	A 68	43-07-26	0001		476	1100	A 1410
39-09-21			18	1000	A 49	43-07-26	0002		463	800	A 1000
40-03-06			140	800	A 302	43-08-05			159	100	A 43
40-05-22			2180	35500	A 209000	43-08-19			111	1000	A 300
40-06-12			756	4300	A 8780	43-09-01			76	100	A 21
40-06-13			1500	5300	A 21500	43-09-07			81	100	A 22
40-07-04			7470	17800	A 359000	43-09-18			64	100	A 17
40-09-05			3580	3000	A 29000	43-09-21			108	100	A 29
40-09-07			3370	4900	A 44600	43-09-27			66	400	A 71
41-04-25			1920	1700	A 8810	43-09-29			168	800	A 363
41-05-06			24000	9800	A 635000	43-10-01			1310	1200	A 4240
41-05-06	0001		18900	7900	A 403000	43-10-06			134	100	A 36
41-05-09			6950	23500	A 441000	43-10-08			126	100	A 34
41-05-21			5220	8200	A 116000	43-10-15			79	200	A 43
41-05-23			15300	11500	A 475000	43-10-23			10900	5200	A 153000
41-06-13			8390	9300	A 211000	43-10-26			4160	7900	A 88700
41-08-21			226	300	A 183	43-10-27			2160	5900	A 34400
41-11-17			15100	10700	A 436000	43-11-03			213	300	A 173
41-10-25			43400	12800	A 1500000	43-11-08			149	300	A 121
42-04-11			17600	6200	A 295000	43-11-18			118	100	A 32
42-04-17			26600	10500	A 754000	43-11-19			117	200	A 63
42-04-21			50600	6600	A 902000	43-11-22			111	100	A 30
42-05-01			5610	8400	A 127000	43-11-29			104	200	A 56
42-06-09			11200	9800	A 296000	43-12-01			108	300	A 87
42-06-13			4860	4900	A 64300	43-12-06			138	100	A 37
42-06-24			48500	5300	A 694000	43-12-10			398	300	A 322
42-08-29			3310	2200	A 19700	43-12-15			547	500	A 738
42-09-11			1620	1200	A 5250	43-12-16			299	900	A 727
42-09-23			2610	4900	A 34500	43-12-20			439	800	A 948
42-10-23			1570	3100	A 13100	43-12-23			248	300	A 201
42-11-13			628	400	A 678	44-01-04			269	700	A 508
43-01-04			1070	400	A 1160	44-01-05			214	300	A 173
43-02-15			376	200	A 203	44-01-10			187	400	A 202
43-03-27			2000	1200	A 6480	44-01-14			184	400	A 199
43-04-21			539	1100	A 1600	44-01-18			336	300	A 272
43-05-10			27900	7900	A 595000	44-01-24			356	200	A 192
43-05-11			13000	6700	A 235000	44-01-26			344	100	A 93
43-05-12			11200	7900	A 239000	44-02-02			831	1100	A 2470
43-05-13			4350	3800	A 44600	44-02-05			607	1800	A 2950
43-05-20			51200	6300	A 871000	44-02-10			419	400	A 453
43-05-21			45200	6500	A 793000	44-02-17			292	300	A 237
43-05-26			2620	1100	A 7780	44-03-02			371	100	A 100
43-06-01			2640	1700	A 12100	44-03-15			5730	8200	A 127000
43-06-10			1140	500	A 1540	44-03-16			3670	4000	A 39600
43-06-18			752	300	A 609	44-03-23			10200	12300	A 339000
43-06-21			549	300	A 445	44-03-24			5590	7800	A 118000
43-06-26			865	300	A 701	44-03-25			2910	4500	A 35400
43-06-28			1080	200	A 583	44-03-27			1010	2500	A 6820

\*\*\*\*\*  
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ARKANSAS RIVER BASIN  
 07164000 CIMARRON RIVER AT MANNFORD, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-04-04			1230	1400	A 4650	45-03-16			2630	3900	A 27700
44-04-11			46800	12500	A 1580000	45-03-19			1960	1600	A 8470
44-04-14			3900	12000	A 126000	45-03-23			729	1900	A 3740
44-04-20			3090	6400	A 53400	45-03-25	0001		6240	10100	A 170000
44-04-24			17500	24400	A 1150000	45-03-25	0002		7580	5000	A 102000
44-05-01			4390	6200	A 73500	45-03-26			8120	9400	A 206000
44-05-03			13500	9300	A 339000	45-03-27			4930	9300	A 124000
44-05-11			1920	4100	A 21300	45-03-28			2640	5600	A 39900
44-05-18			900	1400	A 3400	45-04-02			1580	2700	A 11500
44-05-20			10200	10300	A 284000	45-04-05			782	800	A 1690
44-05-23			1200	1700	A 5510	45-04-10			467	500	A 630
44-06-02			2520	3100	A 21100	45-04-12	0001		482	300	A 390
44-06-05			1580	3900	A 16600	45-04-12	0002		28900	14200	A 1110000
44-06-10			1510	4300	A 17500	45-04-13			17400	9800	A 460000
44-06-13			5920	8400	A 134000	45-04-14			8250	6700	A 149000
44-06-14			16300	8500	A 374000	45-04-15	0001		13300	6800	A 244000
44-06-16			5330	5300	A 76300	45-04-15	0002		10700	6200	A 179000
44-06-21			1220	1400	A 4610	45-04-16			29900	8500	A 686000
44-06-23			651	600	A 1050	45-04-17	0001		36600	10300	A 1020000
44-07-01			456	300	A 369	45-04-17	0002		32600	7200	A 634000
44-07-06			602	200	A 325	45-04-20			4370	3400	A 40100
44-07-11			2720	2800	A 20600	45-04-21			3480	2500	A 23500
44-07-13			5670	7350	A 113000	45-04-23			2440	1400	A 9220
44-07-20			806	700	A 1520	45-04-24			2660	1900	A 13600
44-07-25			2300	1000	A 6210	45-04-25			2870	1400	A 10800
44-07-27			1090	3700	A 10900	45-04-28			3370	1800	A 16400
44-07-28	0001		1640	3100	A 13700	45-04-28	0001		3440	1700	A 15800
44-07-28	0002		3480	5800	A 54500	45-05-01			3560	2300	A 22100
44-08-02			846	2000	A 4570	45-05-04	0001		1610	800	A 3480
44-08-04			533	800	A 1150	45-05-04	0002		1560	800	A 3370
44-08-08			297	300	A 241	45-05-10			896	500	A 1210
44-08-11			216	200	A 117	45-05-11			1050	600	A 1700
44-08-15			131	400	A 141	45-05-14	0001		1350	700	A 2550
44-08-19			209	400	A 226	45-05-14	0002		2620	1600	A 11300
44-08-21			141	100	A 38	45-05-15	0001		5750	4700	A 73000
44-08-28			234	200	A 126	45-05-15	0002		5610	5000	A 75700
44-09-05			348	200	A 188	45-05-16			2620	2500	A 17700
44-09-06			287	100	A 77	45-05-22			653	300	A 529
44-09-11			278	200	A 150	45-05-24			610	200	A 329
44-09-15			128	200	A 69	45-05-28			509	300	A 412
44-09-20			82	200	A 44	45-05-31			444	200	A 240
44-09-23			70	400	A 76	45-06-04			283	400	A 306
44-09-25			61	300	A 49	45-06-06			348	200	A 188
44-10-02			2820	5300	A 40400	45-06-11	0001		6830	8000	A 148000
44-10-03			2130	3100	A 17800	45-06-11	0002		9440	6900	A 176000
44-10-04			1730	2300	A 10700	45-06-12			5110	4300	A 59300
44-10-05			2300	3000	A 18600	45-06-13			5460	8300	A 122000
44-10-06			4480	10800	A 131000	45-06-14			4530	5900	A 72200
44-10-07			3290	8000	A 71100	45-06-18			1160	1900	A 5950
44-10-09			1070	2900	A 8380	45-06-21			1170	800	A 2530
44-10-12			946	900	A 2300	45-06-22	0001		10900	7700	A 227000
44-10-18	0001		321	300	A 260	45-06-22	0002		9780	8000	A 211000
44-10-18	0002		323	400	A 349	45-06-26			2400	3000	A 19400
44-10-23			196	200	A 106	45-06-29			6410	4200	A 72700
44-10-26			177	400	A 191	45-06-30			9140	5200	A 128000
44-10-31			141	300	A 114	45-07-01			10100	8500	A 232000
44-11-03			137	200	A 74	45-07-03	0001		3910	3500	A 36900
44-11-07	0001		1890	5000	A 25500	45-07-03	0002		3400	3700	A 34000
44-11-07	0002		3030	4200	A 34400	45-07-07			4030	4800	A 52200
44-11-11			1180	2800	A 8920	45-07-09			10200	6500	A 179000
44-11-14			623	900	A 1510	45-07-10			7540	4500	A 91600
44-11-21			280	500	A 378	45-07-11			8390	4400	A 99700
44-11-22			246	400	A 266	45-07-12			10800	7000	A 204000
44-11-28			292	300	A 237	45-07-14			4090	3100	A 34200
44-11-30			478	1300	A 1680	45-07-16			1740	1300	A 6110
44-12-05			4530	5900	A 72200	45-07-20			1120	400	A 1210
44-12-06			7530	8200	A 167000	45-08-07			287	200	A 155
44-12-07			9420	8100	A 206000	45-08-11			212	100	A 57
44-12-08			5360	5000	A 72400	45-08-14			188	100	A 51
44-12-09			3160	3200	A 27300	45-08-17			222	300	A 180
44-12-12			1120	1500	A 4540	45-08-27			302	400	A 326
44-12-19			602	700	A 1140	45-09-04			158	100	A 43
44-12-27			432	500	A 583	45-09-05			142	100	A 38
44-12-29			402	400	A 434	45-09-10			121	100	A 33
45-01-04			391	500	A 528	45-09-11			118	100	A 32
45-01-08			385	300	A 312	45-09-17			118	300	A 96
45-01-09			363	200	A 196	45-09-24			660	400	A 713
45-01-16			260	400	A 281	45-09-25	0001		10000	7300	A 197000
45-01-23			342	400	A 369	45-09-25	0002		12500	9100	A 307000
45-01-26			392	300	A 318	45-09-26			4392	4200	A 49800
45-01-29			464	200	A 251	45-09-27			2550	2000	A 13800
45-02-07			388	500	A 524	45-09-30			61400	5400	A 895000
45-02-08			380	100	A 103	45-10-01			22400	5700	A 345000
45-02-15			353	200	A 191	45-10-02			16000	7600	A 328000
45-03-02			1860	900	A 4520	45-10-03			6450	3400	A 59200
45-03-04			1140	500	A 1540	45-10-04			4150	2600	A 29100
45-03-08			698	500	A 942	45-10-08			1470	1000	A 3970
45-03-12			790	600	A 1280	45-10-12			919	400	A 993
45-03-15			11200	10600	A 321000	45-10-23			460	300	A 373

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



ARKANSAS RIVER BASIN

07164000 CIMARRON RIVER AT MANNFORD, OKLA.--CONTINUED

125

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-10-29			450	200	A 243	47-04-14	0001		39400	15000	A 1600000
45-10-30			476	200	A 257	47-04-14	0002		41000	7700	A 852000
45-11-05			413	100	A 112	47-04-15			51000	8400	A 1160000
45-11-15			412	100	A 111	47-04-17			12500	7300	A 246000
45-11-16			390	100	A 105	47-04-18			8440	5400	A 123000
45-11-19			395	200	A 213	47-04-21			3340	3300	A 29800
45-11-27			400	100	A 108	47-04-25			11400	5900	A 182000
45-12-03			385	100	A 104	47-04-28			7690	4400	A 91400
45-12-10			385	100	A 104	47-04-30			3280	2800	A 24800
45-12-17			385	400	A 416	47-05-06			1150	900	A 2790
45-12-28			366	400	A 395	47-05-12			1900	1400	A 7180
45-12-31			290	300	A 235	47-05-14			13400	7400	A 268000
46-01-05			2940	1500	A 11900	47-05-15			6800	4900	A 90000
46-01-07			666	500	A 899	47-05-16			44800	9800	A 1190000
46-01-09			4850	2900	A 38000	47-05-17			37300	11600	A 1170000
46-01-14			692	700	A 1310	47-05-18			17000	7300	A 335000
46-01-18			494	500	A 667	47-05-19			9340	5300	A 134000
46-01-21			477	500	A 644	47-05-20			5800	3300	A 51700
46-01-28			374	500	A 505	47-05-21			13300	5500	A 198000
46-01-29			397	500	A 536	47-05-23			7600	5200	A 107000
46-02-04			341	400	A 368	47-05-26			3550	2400	A 23000
46-02-11			298	200	A 161	47-06-03			1910	1900	A 9800
46-02-18			609	600	A 987	47-06-18			376	400	A 406
46-02-19			4310	2500	A 29100	47-06-24			2050	1700	A 9410
46-02-28			726	800	A 1570	47-06-25			910	1300	A 3190
46-03-05			475	300	A 385	47-06-30			406	500	A 548
46-03-11			430	300	A 348	47-07-07			2680	2900	A 21000
46-03-18			2190	1300	A 7690	47-07-11			470	400	A 508
46-03-19			890	1100	A 2640	47-07-21			295	400	A 319
46-03-25			425	200	A 229	47-08-07			163	200	A 88
46-04-04			1010	2100	A 5730	47-08-21			78	200	A 42
46-04-08			600	600	A 972	47-09-02			85	200	A 46
46-04-15			381	400	A 411	47-09-22			158	200	A 85
46-04-22			295	300	A 239	47-09-29			54	500	A 73
46-04-29			1870	2900	A 14600	47-10-22			64	300	A 52
46-05-03			2800	3500	A 26500	47-11-03			61	200	A 33
46-05-08			3170	3400	A 29100	47-11-13			55	100	A 15
46-05-16			426	400	A 460	47-11-17			97	200	A 52
46-05-23			483	400	A 522	47-11-28			53	200	A 29
46-05-29			445	200	A 240	47-12-04			82	400	A 89
46-05-31			1570	2200	A 9330	47-12-08			1010	4300	A 11700
46-06-06			666	1900	A 3420	47-12-19			173	300	A 140
46-06-13			290	200	A 157	47-12-26			138	300	A 112
46-06-18			175	100	A 47	48-01-02			113	300	A 92
46-07-01			14500	12800	A 501000	48-01-08			162	200	A 87
46-07-02			6500	6100	A 107000	48-01-22			138	400	A 149
46-07-03			5100	4900	A 67500	48-01-26			93	400	A 100
46-07-09			565	1300	A 1980	48-02-02			146	300	A 118
46-07-16			280	500	A 378	48-02-11			155	300	A 126
46-07-23			130	400	A 140	48-02-19			165	400	A 178
46-07-29			96	400	A 104	48-02-26			688	500	A 929
46-08-05			76	400	A 82	48-03-02			3880	6200	A 65000
46-08-12			41	800	A 89	48-03-04			3750	7900	A 80000
46-08-19			25	600	A 40	48-03-05			3060	7000	A 57800
46-08-26			87	300	A 70	48-03-12			400	2800	A 3020
46-08-30			946	2600	A 6640	48-03-19			1320	1200	A 4280
46-09-03			880	1500	A 3560	48-03-22			3370	3900	A 35500
46-09-16			247	400	A 267	48-03-23			2060	3600	A 20000
46-09-23			279	700	A 527	48-04-02			486	500	A 656
46-10-01			74	300	A 60	48-04-12			244	100	A 66
46-10-07			64	300	A 52	48-04-19			158	200	A 85
46-10-11			2000	16000	A 86400	48-04-26			1910	2600	A 13400
46-10-16			1780	8500	A 40900	48-04-28			3210	5300	A 45900
46-10-21			784	4100	A 8680	48-04-29			1330	3200	A 11500
46-10-29			364	1100	A 1080	48-05-03			451	400	A 487
46-11-07			2990	4900	A 39600	48-05-14			707	400	A 764
46-11-12			1270	4500	A 15400	48-05-19			272	300	A 220
46-11-22			433	800	A 935	48-05-24			532	400	A 575
46-12-04			265	500	A 358	48-06-01			918	1200	A 2970
46-12-09			247	300	A 200	48-06-07			182	100	A 49
46-12-16			289	400	A 312	48-06-15			72	200	A 39
46-12-23			314	800	A 678	48-06-22	0001		13300	7100	A 255000
47-01-08			198	300	A 160	48-06-22	0002		23100	7700	A 480000
47-01-13			267	400	A 288	48-06-23			42900	7700	A 892000
47-01-20			277	300	A 224	48-06-24			27800	10500	A 788000
47-01-27			299	300	A 242	48-06-25			10200	10100	A 278000
47-02-03			225	300	A 182	48-06-28			11300	5000	A 153000
47-02-14			145	300	A 117	48-06-29			15300	6000	A 248000
47-02-19			152	400	A 164	48-06-30			10100	8400	A 229000
47-02-24			139	300	A 113	48-07-06			2090	1800	A 10200
47-03-04			159	400	A 172	48-07-12			2960	1900	A 15200
47-03-18			1620	6200	A 27100	48-07-15			3200	2000	A 17300
47-03-28			444	800	A 959	48-07-19			2140	1100	A 6360
47-04-01			400	500	A 540	48-07-21			3860	4700	A 49000
47-04-08			7990	13600	A 293000	48-07-27			1910	2700	A 13900
47-04-09			4770	7200	A 92700	48-08-06			593	400	A 640
47-04-10			10290	8300	A 231000	48-08-09			1370	1000	A 3700
47-04-11			5420	7600	A 111000	48-08-16			7760	7300	A 153000
47-04-12			2880	5600	A 43500	48-08-17			6050	8700	A 142000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

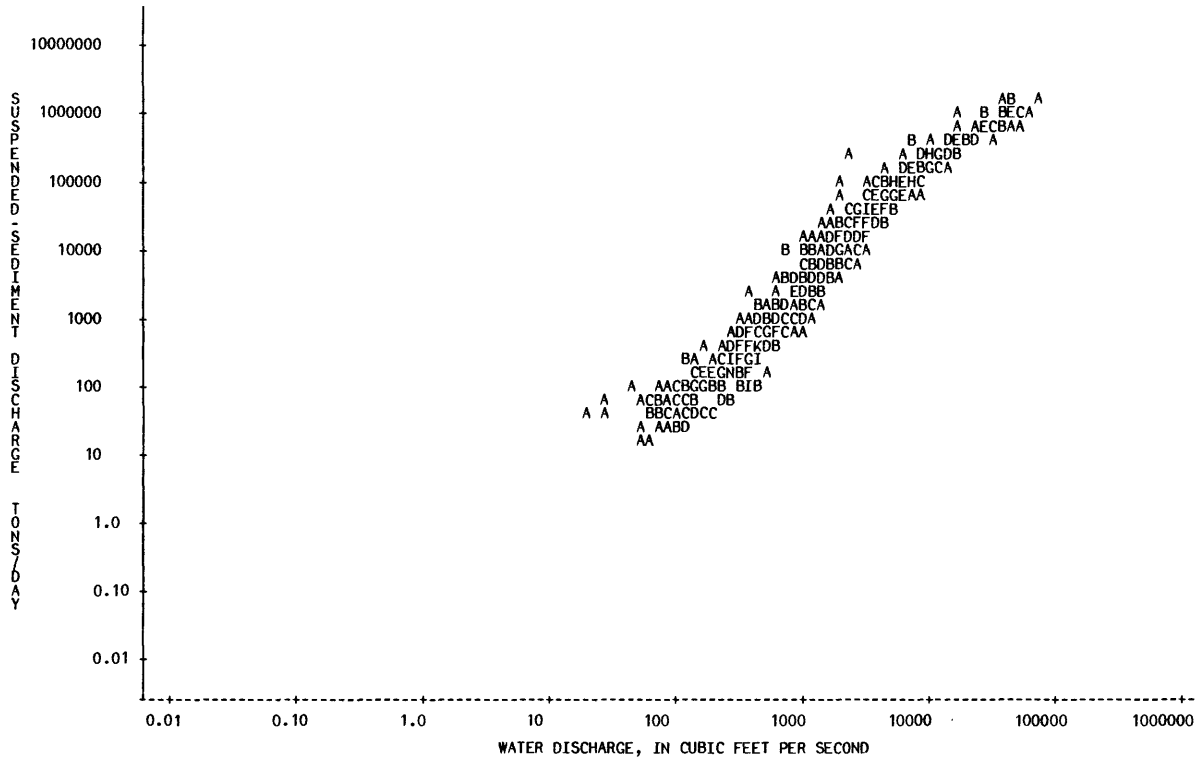
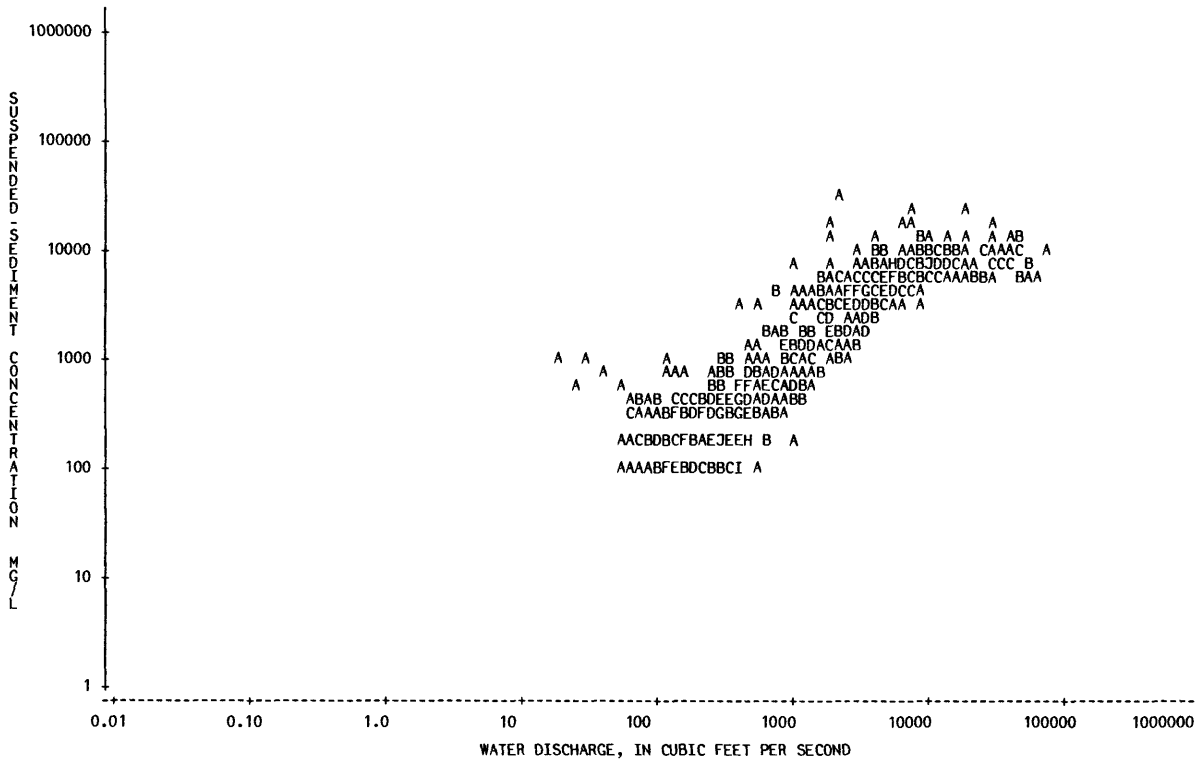
## ARKANSAS RIVER BASIN

07164000 CIMARRON RIVER AT MANNFORD, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-08-18			6510	7700	A 135000	50-01-10			355	100	A 96
48-08-23			1350	1800	A 6560	50-01-18			466	200	A 252
48-08-30			600	500	A 810	50-01-27			230	100	A 62
48-09-07			334	400	A 361	50-01-31			278	200	A 150
48-09-21			399	200	A 215	50-02-10			291	200	A 157
48-09-27			406	200	A 219	50-02-16			446	200	A 241
48-10-07			130	200	A 70	50-02-24			345	100	A 93
48-10-11			95	100	A 26	50-03-01			878	1200	A 2840
48-10-21			102	200	A 55	50-03-10			253	200	A 137
48-10-28			93	200	A 50	50-03-15			263	200	A 142
48-11-01			115	100	A 31	50-03-24			188	200	A 102
48-11-05			3120	10000	A 84200	50-03-29			185	100	A 50
48-11-10			584	2800	A 4420	50-04-07			355	700	A 671
48-11-18			249	300	A 202	50-04-13			140	300	A 113
48-11-26			179	300	A 145	50-04-20			160	200	A 86
48-12-03			1690	3000	A 13700	50-04-27			119	200	A 64
48-12-15			338	900	A 821	50-05-05			128	100	A 35
48-12-29			216	300	A 175	50-05-09			126	700	A 238
49-01-03			229	400	A 247	50-05-10			7750	8900	A 186000
49-01-11			186	300	A 151	50-05-11			10800	6800	A 198000
49-01-19			2400	3100	A 20100	50-05-12			4800	4100	A 53100
49-01-20			1800	15000	A 72900	50-05-19			930	600	A 1510
49-02-03			1200	400	A 1300	50-05-22			982	1000	A 2650
49-02-07			11100	8100	A 243000	50-05-26			4100	4600	A 50900
49-02-11			5650	4800	A 73200	50-06-02			810	2000	A 4370
49-02-17			3590	3800	A 36800	50-06-05			2290	6200	A 38300
49-02-21			1970	1800	A 9570	50-06-09			1680	2500	A 11300
49-02-28			1340	500	A 1810	50-06-13			2460	3900	A 25900
49-03-03			3440	4100	A 38100	50-06-21			313	900	A 761
49-03-07			1330	900	A 3230	50-06-30			157	200	A 85
49-03-14			1070	900	A 2600	50-07-06			411	300	A 333
49-03-23			689	300	A 558	50-07-10			9200	6800	A 169000
49-03-30			952	500	A 1290	50-07-11			4150	5400	A 60500
49-04-01			5130	6100	A 84500	50-07-19			1460	1400	A 5520
49-04-04			2620	4800	A 34000	50-07-20			5690	6500	A 99900
49-04-14			938	500	A 1270	50-07-21			25500	10100	A 695000
49-04-21			400	100	A 108	50-07-24			6990	5600	A 106000
49-04-28			535	100	A 144	50-07-25			4330	3900	A 45600
49-05-05			1870	3600	A 18200	50-07-27			14700	11500	A 456000
49-05-09			8100	12300	A 269000	50-07-28			5370	8100	A 117000
49-05-10			5740	6500	A 101000	50-08-01			23400	5400	A 341000
49-05-11			4560	6000	A 73900	50-08-02			36100	6700	A 653000
49-05-12			2850	4800	A 36900	50-08-03			33500	8600	A 778000
49-05-18			28000	16400	A 1240000	50-08-04			17700	12000	A 573000
49-05-19			78100	9000	A 1900000	50-08-07			4910	3200	A 42400
49-05-20	0001		46700	8900	A 1120000	50-08-10			3670	4000	A 39600
49-05-20	0002		47100	9400	A 1200000	50-08-15			1820	2700	A 13300
49-05-22			29100	6600	A 519000	50-08-24			1010	400	A 1090
49-05-23			29900	5600	A 452000	50-08-31			2670	3800	A 27400
49-05-24			38800	7500	A 786000	50-09-08			4010	11300	A 122000
49-05-25			24200	5800	A 379000	50-09-13			1260	1400	A 4760
49-05-27			6660	5600	A 101000	50-09-20			3380	2800	A 25600
49-05-31			8680	3100	A 72700	50-09-27			1060	1400	A 4010
49-06-03			20900	6300	A 356000						
49-06-09			6800	4200	A 77100						
49-06-14			6870	7000	A 130000						
49-06-15			4600	5300	A 65800						
49-06-16			10700	7300	A 211000						
49-06-17			7560	4300	A 87800						
49-06-20			3120	3100	A 26100						
49-06-28			1840	2000	A 9940						
49-07-08			3030	4700	A 38500						
49-07-15			2820	2200	A 16800						
49-07-18			3190	1900	A 16400						
49-07-22			1080	800	A 2330						
49-07-29			593	400	A 640						
49-08-01			3670	5500	A 54500						
49-08-02			2470	4600	A 30700						
49-08-12			500	500	A 675						
49-08-15			499	300	A 404						
49-08-31			221	100	A 60						
49-09-06			1290	1500	A 5220						
49-09-15			2310	4300	A 26800						
49-09-16			2990	4500	A 36300						
49-09-23			709	700	A 1340						
49-09-28			424	300	A 343						
49-10-07			274	200	A 148						
49-10-12			250	200	A 135						
49-10-19			2180	5900	A 34700						
49-10-26			1330	1700	A 6100						
49-11-04			489	400	A 528						
49-11-09			413	400	A 446						
49-11-17			304	100	A 82						
49-11-22			280	200	A 151						
49-12-02			261	100	A 70						
49-12-06			270	200	A 146						
49-12-16			278	200	A 150						
49-12-20			298	200	A 161						
50-01-04			378	300	A 306						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07164000 CIMARRON RIVER AT MANNFORD, OKLA.



## ARKANSAS RIVER BASIN

07164200 KEYSTONE LAKE NEAR SAND SPRINGS, OKLA.

LOCATION.--Lat 36°09'05", long 96°15'05", in SW 1/4 SE 1/4 sec.4, T.19 N., R.10 E., Tulsa County, Hydrologic Unit 11110101, on Arkansas River, 8.5 mi (13.7 km) west of Sand Springs, and at mile 538.8 (866.9 km).

DRAINAGE AREA.--74,506 mi<sup>2</sup> (192,971 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1963-67.

REMARKS.--Flow completely regulated since September 1964 by Keystone Lake. Suspended-sediment samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-03-02			2000	240	A 1300	64-11-19			28500	720	A 55400
63-03-08			2800	100	A 756	64-11-20			57800	1080	A 169000
63-03-15			4800	390	A 5050	64-11-21			78400	1080	A 229000
63-03-22			3600	180	A 1750	64-11-22			58500	840	A 133000
63-04-02			5100	730	A 10100	64-11-23			36500	700	A 69000
63-04-05			3200	200	A 1730	64-11-24			19400	730	A 38200
63-04-19			2250	150	A 911	64-11-25			26200	500	A 35400
63-04-26			3200	260	A 2250	64-11-28			24200	820	A 53600
63-05-10			1800	1140	A 5540	64-11-30			24200	180	A 11800
63-05-18			1800	100	A 486	64-12-01			24200	170	A 11100
63-05-25			2300	140	A 869	65-01-05			10900	50	A 1470
63-05-31			5950	490	A 7870	65-01-06			9400	40	A 1020
63-06-14			2500	300	A 2030	65-01-11			3880	100	A 1050
63-06-24			5000	970	A 13100	65-01-18			3180	90	A 773
63-06-25			18000	7610	A 370000	65-01-25			404	80	A 87
63-06-26			32000	3340	A 289000	65-02-01			395	90	A 96
63-07-24			6600	750	A 13400	65-02-08			404	80	A 87
63-07-26			5000	990	A 13400	65-02-15			395	80	A 85
63-08-02			3200	2750	A 23800	65-02-24			1080	60	A 175
63-08-14			1000	360	A 972	65-03-01			1080	70	A 204
63-08-17			800	380	A 821	65-03-08			1060	80	A 229
63-09-04			2200	730	A 4340	65-03-16			1120	60	A 181
63-09-13			9400	1500	A 38100	65-03-22			4900	80	A 1060
63-09-20			2200	2830	A 16800	65-03-29			2040	60	A 330
63-10-07			2000	200	A 1080	65-04-02			1220	40	A 132
63-10-11			800	290	A 626	65-04-09			23500	110	A 6980
63-10-18			600	180	A 292	65-04-12			8160	60	A 1320
63-10-24			7960	4980	A 107000	65-04-19			4740	40	A 512
63-11-01			3070	770	A 6380	65-04-26			3770	40	A 407
63-11-08			1540	270	A 1120	65-05-03			2450	40	A 265
63-11-15			1190	130	A 418	65-05-11			7120	100	A 1920
63-11-26			1930	240	A 1250	65-05-17			11900	70	A 2250
63-12-02			1390	120	A 450	65-05-24			4690	60	A 760
63-12-06			1250	150	A 506	65-06-01			8170	40	A 882
63-12-27			932	570	A 1430	65-06-07			12400	10	A 335
64-01-03			1370	370	A 1370	65-06-08			35700	10	A 964
64-01-10			1540	210	A 873	65-06-10			46800	50	A 6320
64-01-21			1420	210	A 805	65-06-14			40100	110	A 11900
64-01-30			1590	80	A 343	65-06-15			34900	60	A 5650
64-02-07			2010	200	A 1090	65-06-28			14200	10	A 383
64-02-20			1420	390	A 1500	65-06-29			19600	10	A 529
64-03-12			1630	60	A 264	65-07-01			24900	10	A 672
64-03-26			1250	150	A 506	65-07-09			18900	10	A 510
64-04-06			5170	2810	A 39200	65-07-12			15800	10	A 427
64-04-29			1610	440	A 1910	65-07-13			10900	10	A 294
64-05-13			24700	2910	A 194000	65-07-14			10700	10	A 289
64-10-29			644	390	A 678	65-07-15			10700	10	A 289
64-10-30			484	950	A 1240	65-07-26			3570	40	A 386
64-11-06			16700	130	A 5860	65-08-02			3210	10	A 87
64-11-07			17400	120	A 5640	65-08-09			2510	10	A 68
64-11-08			16800	410	A 18600	65-08-16			7500	10	A 203
64-11-16			7030	160	A 3040	65-09-07			6860	10	A 185
64-11-18			21500	340	A 19700	65-09-13			7500	10	A 203

\*\*\*\*\*  
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ARKANSAS RIVER BASIN

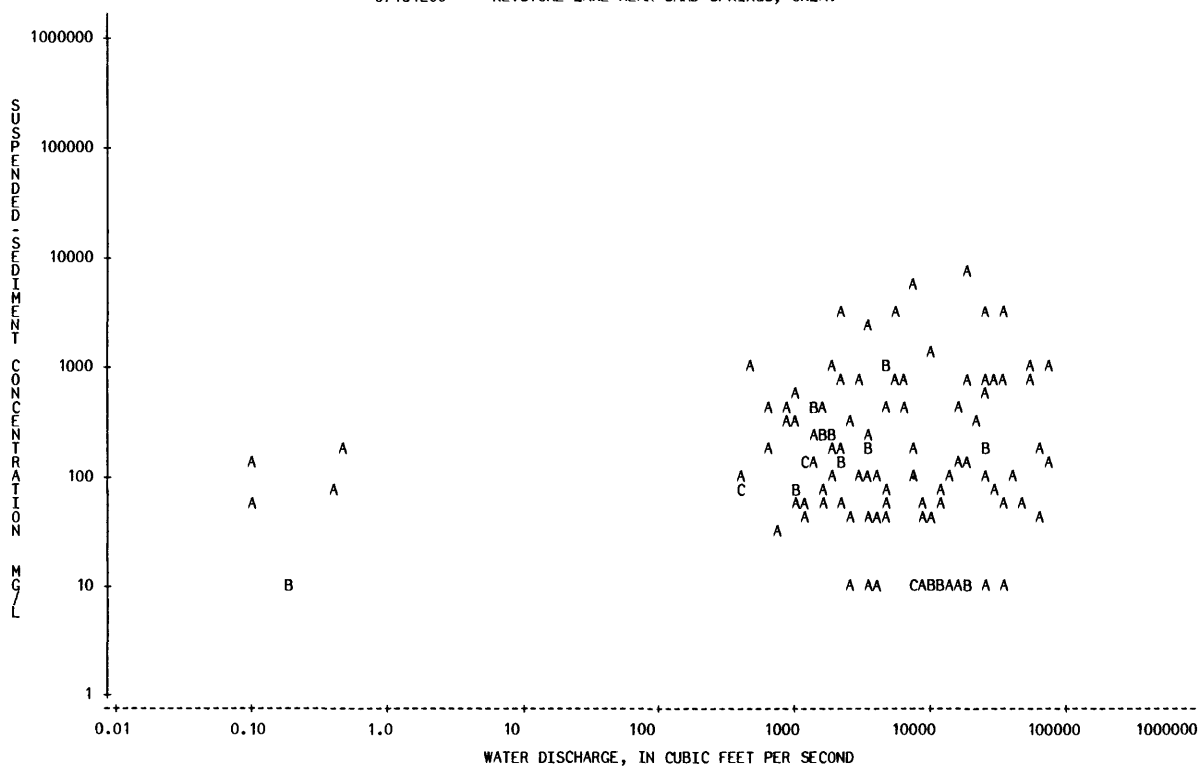
07164200 KEYSTONE LAKE NEAR SAND SPRINGS, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-09-20			4310	10	A 116						
65-09-22			65000	40	A 7020						
65-09-23			74100	120	A 24000						
65-09-24			64800	180	A 31500						
65-09-27			31200	80	A 6740						
65-09-28			12700	100	A 3430						
65-09-30			9050	10	A 244						
65-10-01			0.50	170	A 0.23						
65-10-04			0.40	70	A 0.08						
65-10-18			0.20	10	A 0.01						
65-10-25			0.20	10	A 0.01						
65-11-01			0.10	60	A 0.02						
65-11-29			0.10	150	A 0.04						
66-12-08			692	30	A 56						

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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07164400 ARKANSAS RIVER AT SAND SPRINGS BRIDGE NEAR TULSA, OKLA.

LOCATION.--Lat 36°07'22", long 96°07'23", in NW 1/4 SW 1/4 sec.14, T.19 N., R.11 E., Tulsa County, Hydrologic Unit 11110101, at bridge on State Highway 97 in Sand Springs, 5.1 mi (8.2 km) downstream from Keystone Dam, and 10 mi (16.1 km) upstream from gaging station at Tulsa.

DRAINAGE AREA.--74,615 mi<sup>2</sup> (193,253 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) is probably noncontributing.

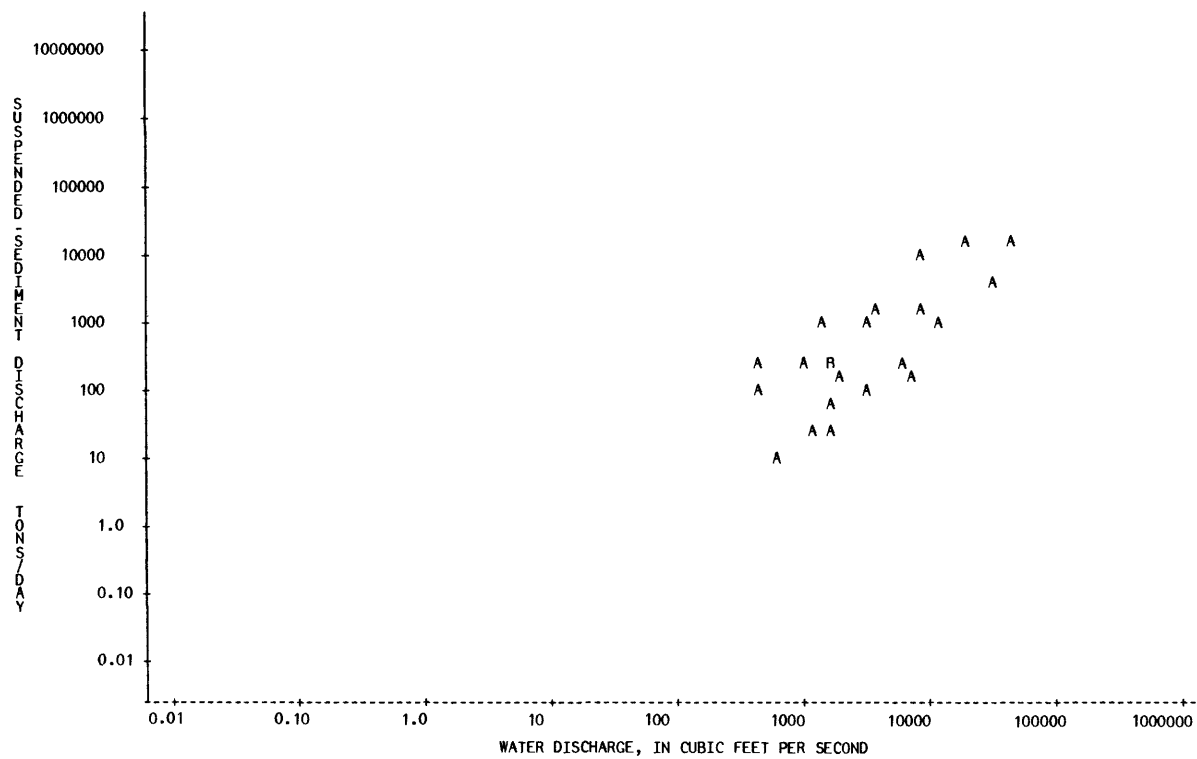
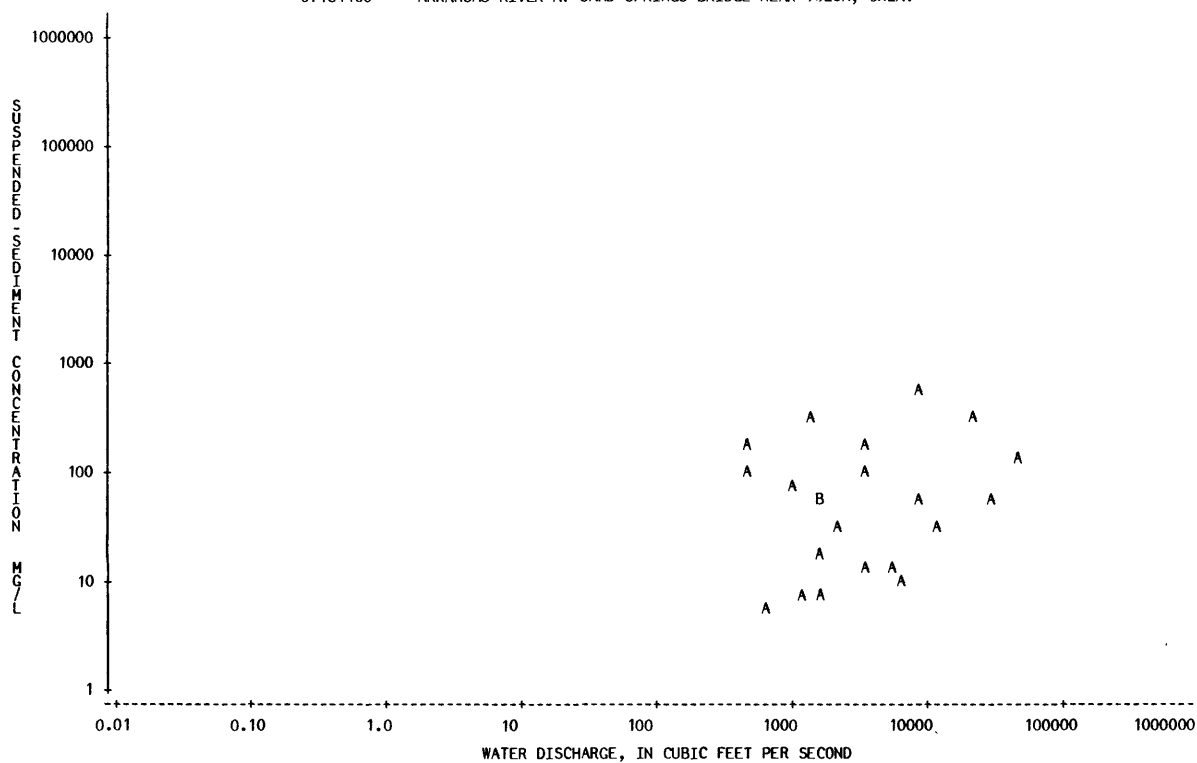
PERIOD OF RECORD.--Water years 1975-77.

REMARKS.--Flow completely regulated by Keystone Lake since September 1964. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-01-29	1100		3300	*	12	107					
75-02-25	1400		21000	*	351	19900					
75-04-09	0900		8880	*	62	1490					
75-05-20	1300		29500	*	55	4380					
75-06-17	1400		45000	*	131	15900					
75-07-16	0800		11500	*	29	900					
75-08-12	1500		5820	*	15	236					
75-08-26	1600		457	*	169	209					
75-10-21	1300		3270	*	116	1020					
75-11-04	1215		1600	*	16	69					
76-02-10	1230		2070	*	30	168					
76-03-10	0945		1100	*	7	21					
76-04-14	1000		3470	*	168	1570					
76-05-10	1200		8210	*	551	12200					
76-06-08	1030		6750	*	9	164					
76-09-08	1100		1610	*	7	30					
76-10-26	1300		628	*	6	10					
76-11-09	1211		1620	*	53	232					
76-12-14	1100		1620	*	55	241					
77-01-25	1100		1300	*	315	1110					
77-02-08	1130		969	*	80	209					
77-03-08	1145		459	*	100	124					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07164400 ARKANSAS RIVER AT SAND SPRINGS BRIDGE NEAR TULSA, OKLA.





## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.

LOCATION.--Lat 36°08'37", long 96°00'13", in NW 1/4 sec.11, T.19 N., R.12 E., Tulsa County, Hydrologic Unit 11110101, near left bank on downstream side of pier of 11th Street bridge on U.S. Highway 66 in Tulsa, 10.1 mi (16.3 km) upstream from Polecat Creek, 15.1 mi (24.3 km) downstream from Keystone Dam, and at mile 523.7 (842.6 km).

DRAINAGE AREA.--74,615 mi<sup>2</sup> (193,253 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1931, 1939-80.

REMARKS.--Except for 109 mi<sup>2</sup> (282 km<sup>2</sup>) intervening area, flow completely regulated by Keystone Lake since September 1964. Prior to September 1964, minor regulation by John Martin Reservoir and Great Salt Plains Lake. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-10-18			2220	11300	A 67700	31-06-05			2650	1200	A 8590
30-10-20			3650	12300	A 121000	31-06-09			2900	1800	A 14100
30-10-25			3650	13100	A 129000	31-06-13			4350	3000	A 35200
30-10-30			760	1700	A 3490	31-06-15			46800	7300	A 922000
30-11-02			1300	1300	A 4560	31-06-16			27500	3400	A 252000
30-11-05			1110	900	A 2700	31-06-18			20600	2900	A 161000
30-11-08			930	800	A 2010	31-06-20			14400	2500	A 97200
30-11-11			930	900	A 2260	31-06-23			4700	900	A 11400
30-11-15			930	600	A 1510	31-06-27			2040	600	A 3300
30-11-18			760	800	A 1640	31-06-30			2040	300	A 1650
30-11-21			1300	1200	A 4210	31-07-08			1110	1500	A 4500
30-11-24			5760	7000	A 109000	31-07-17			600	600	A 972
30-11-25			6480	6000	A 105000	31-07-25			1300	400	A 1400
30-11-29			2400	2100	A 13600	31-07-31			760	400	A 821
30-12-03			2040	1100	A 6060	31-08-05			3650	1800	A 17700
30-12-06			2650	1200	A 8590	31-08-14			600	400	A 648
30-12-12			2220	800	A 4800	31-08-21			240	400	A 259
30-12-19			1500	1000	A 4050	31-08-26			120	700	A 227
30-12-26			1300	900	A 3160	31-09-08			480	600	A 778
31-01-03			1100	700	A 2080	39-08-12			1200	200	A 648
31-01-06			1100	800	A 2380	39-08-21			5850	2800	A 44200
31-01-09			930	700	A 1760	39-09-07			786	100	A 212
31-01-13			930	600	A 1510	40-03-05			950	200	A 513
31-01-16			930	700	A 1760	40-03-13			950	300	A 769
31-01-20			930	600	A 1510	40-04-12			5860	11200	A 177000
31-01-23			930	700	A 1760	40-04-22			8440	8200	A 187000
31-01-27			930	700	A 1760	40-05-06			2940	800	A 6350
31-02-03			760	600	A 1230	40-05-23			12700	7700	A 264000
31-02-11			760	1000	A 2050	40-06-14			8120	3700	A 81100
31-02-19			930	700	A 1760	40-07-01			2090	700	A 3950
31-02-27			930	700	A 1760	40-07-08			10300	5300	A 147000
31-03-04			930	700	A 1760	41-04-17			37300	6900	A 695000
31-03-07			930	700	A 1760	41-04-24			7660	1800	A 37200
31-03-12			930	600	A 1510	41-04-25			7670	900	A 18600
31-03-17			600	700	A 1130	41-05-08			32400	7200	A 630000
31-03-20			480	700	A 907	41-05-24			21300	6000	A 345000
31-03-28			1860	1200	A 6030	41-06-12			68400	5100	A 942000
31-03-31			1680	1000	A 4540	41-09-09			11700	2500	A 79000
31-04-04			4000	1500	A 16200	41-11-24			14300	2000	A 77200
31-04-11			3150	1200	A 10200	42-04-18			36200	8200	A 801000
31-04-14			2900	1100	A 8610	42-04-27			73300	7600	A 1500000
31-04-18			7200	5900	A 115000	42-05-05			19900	3400	A 183000
31-04-19			8160	5700	A 126000	42-06-09			16300	6500	A 286000
31-04-21			5400	6300	A 91900	42-06-11			24500	4000	A 265000
31-04-23			5050	4200	A 57300	42-06-17			7740	1500	A 31300
31-04-28			4350	1100	A 12900	42-06-23			98600	3400	A 905000
31-05-06			3650	1100	A 10800	42-06-24			136900	5100	A 1890000
31-05-11			8160	2800	A 61700	42-06-25			119600	3200	A 1030000
31-05-18			2650	800	A 5720	42-07-02			23100	1800	A 112000
31-05-22			3400	3600	A 33000	42-09-05			4510	700	A 8520
31-05-25			3400	700	A 6430	42-09-10			18300	2700	A 133000
31-05-29			3150	600	A 5100	42-10-07			18300	6100	A 301000
31-06-02			2900	1100	A 8610	42-10-22			18600	2700	A 136000

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-11-03			5720	4700	A 72600	44-05-16			10900	1100	A 32400
42-11-16			3970	2000	A 21400	44-05-21			18100	4900	A 239000
42-11-27			3100	600	A 5020	44-05-22			9890	1100	A 29400
43-01-08			8190	800	A 17700	44-05-26			7500	1000	A 20300
43-02-13			4430	500	A 5980	44-05-27			8980	700	A 17000
43-04-16			4560	300	A 3690	44-06-05			10600	1400	A 40100
43-05-12			25300	4100	A 280000	44-06-12			20800	5000	A 281000
43-05-15			8720	1600	A 37700	44-06-13			28200	4800	A 365000
43-05-17			43500	8100	A 951000	44-06-14			31800	5700	A 489000
43-05-18			92600	7200	A 1800000	44-06-17			12300	2300	A 76400
43-05-22			112000	4300	A 1300000	44-06-21			8330	1800	A 40500
43-05-23			67100	2500	A 453000	44-06-27			11500	2200	A 68300
43-05-25			20100	1400	A 76000	44-06-30			4970	500	A 6710
43-05-27			22200	2300	A 138000	44-07-05			3460	300	A 2800
43-06-09			7420	800	A 16000	44-07-14			12600	2600	A 88500
43-06-19			4190	500	A 5660	44-07-21			4140	400	A 4470
43-06-21			4030	300	A 3260	44-07-24			3800	500	A 5130
43-06-26			15000	3500	A 142000	44-07-27			4410	2800	A 33300
43-07-02			3790	500	A 5120	44-08-01			4600	2000	A 24800
43-07-03			3440	300	A 2790	44-08-05			3510	1000	A 9480
43-07-10			2350	200	A 1270	44-08-10			5000	1400	A 18900
43-07-23			8770	1600	A 37900	44-08-17			2730	300	A 2210
43-07-30			2610	200	A 1410	44-08-18			2550	400	A 2750
43-08-06			1930	100	A 521	44-08-23			3290	800	A 7110
43-08-07			1740	100	A 470	44-08-26			2740	300	A 2220
43-08-09			1740	100	A 470	44-08-30			8550	2800	A 64600
43-08-16			1420	200	A 767	44-09-02			8990	2700	A 65500
43-08-17			1310	400	A 1410	44-09-06			6590	1600	A 28500
43-08-24			992	100	A 268	44-09-13			3160	500	A 4270
43-08-28			899	200	A 485	44-09-16			2450	400	A 2650
43-08-30			838	100	A 226	44-09-20			1980	100	A 535
43-09-06			960	200	A 518	44-09-25			1640	100	A 443
43-09-08			994	100	A 268	44-09-26			1520	100	A 410
43-09-13			1110	200	A 599	44-09-30			34800	8200	A 770000
43-09-20			1080	700	A 2040	44-10-03			11600	2200	A 68900
43-09-30			4610	1600	A 19900	44-10-04			14400	2000	A 77800
43-10-04			1560	300	A 1260	44-10-05			36800	4700	A 467000
43-10-11			907	200	A 490	44-10-07			30200	3400	A 277000
43-10-19			749	100	A 202	44-10-09			14900	1600	A 64400
43-10-24			19500	6000	A 316000	44-10-10			11300	900	A 27500
43-10-25			8150	3700	A 81400	44-10-16			5330	600	A 8630
43-10-27			4500	3900	A 47400	44-10-25			2750	100	A 743
43-11-01			2470	1100	A 7340	44-10-26			2620	100	A 707
43-11-08			1380	400	A 1490	44-11-04			3100	300	A 2510
43-11-15			1090	100	A 294	44-11-09			7470	2000	A 40300
43-11-22			1030	100	A 278	44-11-13			5220	1000	A 14100
43-11-23			1090	100	A 294	44-11-20			2350	200	A 1270
43-11-29			868	300	A 703	44-11-25			2210	500	A 2980
43-12-03			812	100	A 219	44-11-28			2410	300	A 1950
43-12-07			920	100	A 248	44-12-04			3210	400	A 3470
43-12-13			2220	500	A 3000	44-12-05			15200	3600	A 148000
43-12-20			1460	200	A 788	44-12-06			58300	5500	A 866000
43-12-21			1450	200	A 783	44-12-07			82300	4800	A 1070000
43-12-27			1440	200	A 778	44-12-08			80600	3800	A 827000
44-01-03			1070	200	A 578	44-12-09			57000	3000	A 462000
44-01-10			900	200	A 486	44-12-10			35000	2200	A 208000
44-01-14			768	100	A 207	44-12-12			12400	1800	A 60300
44-01-17			1460	500	A 1970	44-12-16			7740	700	A 14600
44-01-24			1780	200	A 961	44-12-18			6860	400	A 7410
44-01-25			1620	200	A 875	44-12-23			6280	500	A 8480
44-01-31			2800	500	A 3780	44-12-26			5260	300	A 4260
44-02-05			2730	700	A 5160	45-01-01			4350	200	A 2350
44-02-07			2160	500	A 2920	45-01-09			3600	100	A 972
44-02-14			1740	200	A 940	45-01-11			3590	200	A 1940
44-02-16			1580	200	A 853	45-01-17			3280	400	A 3540
44-02-21			1480	200	A 799	45-01-18			3290	300	A 2660
44-03-06			1680	100	A 454	45-01-25			4060	300	A 3290
44-03-13			1940	300	A 1570	45-02-02			3870	300	A 3130
44-03-17			6500	2400	A 42100	45-02-03			4110	200	A 2220
44-03-20			16900	5600	A 256000	45-02-10			3370	100	A 910
44-03-21			25900	2700	A 189000	45-02-17			3460	100	A 934
44-03-24			45600	6300	A 776000	45-03-03			7080	800	A 15300
44-03-26			30000	4200	A 340000	45-03-10			4620	300	A 3740
44-03-27			15600	2400	A 101000	45-03-13			3930	400	A 4240
44-03-28			11400	2000	A 61600	45-03-14			3510	700	A 6630
44-04-03			5110	600	A 8280	45-03-15			17900	4700	A 227000
44-04-05			5300	300	A 4290	45-03-16			14600	4600	A 181000
44-04-12			104700	7600	A 2150000	45-03-17			6980	2100	A 39600
44-04-13			83100	4400	A 987000	45-03-19			11200	2000	A 60500
44-04-15			47600	3500	A 450000	45-03-20			11100	1900	A 56900
44-04-17			21100	2700	A 154000	45-03-21			10100	2100	A 57300
44-04-24			72300	10800	A 2110000	45-03-22			9630	1700	A 44200
44-04-26			171000	4700	A 2170000	45-03-23			15900	2900	A 124000
44-04-27			124000	4300	A 1440000	45-03-24			12600	3000	A 102000
44-04-29			61800	2400	A 400000	45-03-25			27800	4800	A 360000
44-05-04			56600	4100	A 627000	45-03-26			42200	5800	A 661000
44-05-08			33600	3000	A 272000	45-03-27			33200	5100	A 457000
44-05-09			26900	3100	A 225000	45-03-28			20900	4200	A 237000
44-05-15			11600	900	A 28200	45-03-29			13400	2700	A 97700

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-03-31			20000	2400	A 130000	46-03-08			5400	900	A 13100
45-04-02			12700	2200	A 75400	46-03-15			4480	200	A 2420
45-04-03			8460	1400	A 32000	46-03-18			7770	600	A 12600
45-04-11			4780	500	A 6450	46-03-19			8520	800	A 18400
45-04-13			64300	8000	A 1390000	46-03-29			9440	1600	A 40800
45-04-14			58800	4600	A 730000	46-04-05			3560	700	A 6730
45-04-15			46600	3500	A 440000	46-04-12			2390	200	A 1290
45-04-16			44700	3700	A 447000	46-04-19			6350	1100	A 18900
45-04-17			124200	5800	A 1940000	46-04-26			3900	400	A 4210
45-04-18			139000	5000	A 1880000	46-04-29			8700	2100	A 49300
45-04-19			135000	4800	A 1750000	46-05-10			4440	900	A 10800
45-04-20			126900	5000	A 1710000	46-05-17			3780	900	A 9190
45-04-21			63500	2200	A 377000	46-05-31			5250	1000	A 14200
45-04-23			25700	1500	A 104000	46-06-14			1660	100	A 448
45-04-24			21200	1300	A 74400	46-06-17			1350	300	A 1090
45-04-25			20900	1000	A 56400	46-06-21			1120	300	A 907
45-04-26			32200	1900	A 165000	46-06-25			1430	200	A 772
45-04-27			26900	1600	A 116000	46-07-01			13100	4400	A 156000
45-04-28			25700	1300	A 90200	46-07-02			11200	6700	A 203000
45-04-30			36100	2200	A 214000	46-07-13			1200	100	A 324
45-05-01			35000	2100	A 198000	46-07-19			823	200	A 444
45-05-04			20300	1000	A 54800	46-07-26			672	200	A 363
45-05-08			14100	900	A 34300	46-08-02			445	100	A 120
45-05-12			17500	1200	A 56700	46-08-08			375	100	A 101
45-05-16			12700	1600	A 54900	46-08-16			298	100	A 80
45-05-19			7770	500	A 10500	46-08-23			286	100	A 77
45-05-26			5260	300	A 4260	46-08-27			490	300	A 397
45-05-30			5000	200	A 2700	46-09-06			2630	2500	A 17800
45-06-02			4080	400	A 4410	46-09-13			690	300	A 559
45-06-09			3760	200	A 2030	46-09-20			1140	300	A 923
45-06-11			10400	2000	A 56200	46-09-27			1100	600	A 1780
45-06-12			12600	3600	A 122000	46-10-04			645	100	A 174
45-06-13			9570	2600	A 67200	46-10-16			2220	6000	A 36000
45-06-14			10600	3000	A 85900	46-10-25			2700	1900	A 13900
45-06-16			5410	1200	A 17500	46-11-01			1680	700	A 3180
45-06-22			18600	3900	A 196000	46-11-08			5250	2700	A 38300
45-06-25			14800	2400	A 95900	46-11-22			2650	600	A 4290
45-06-29			15500	3700	A 155000	46-11-27			2180	400	A 2350
45-07-02			66400	5400	A 968000	46-12-02			1820	300	A 1470
45-07-04			18100	3200	A 156000	46-12-13			1920	300	A 1560
45-07-07			8200	900	A 19900	46-12-23			2790	500	A 3770
45-07-09			14500	3000	A 117000	47-01-13			2350	400	A 2540
45-07-10			16500	4200	A 187000	47-01-20			2490	400	A 2690
45-07-11			13800	2100	A 78200	47-02-12			1270	300	A 1030
45-07-17			7560	800	A 16300	47-02-21			1440	300	A 1170
45-07-21			5120	500	A 6910	47-02-28			1350	400	A 1460
45-07-23			5550	900	A 13500	47-03-17			26200	6100	A 432000
45-07-28			3590	300	A 2910	47-03-18			20800	4500	A 253000
45-07-31			4400	800	A 9500	47-03-28			3530	400	A 3810
45-08-04			3200	300	A 2590	47-04-07			4830	1700	A 22200
45-08-06			2670	700	A 5050	47-04-09			14000	5900	A 223000
45-08-11			1920	500	A 2590	47-04-10			21580	5400	A 315000
45-08-14			1680	300	A 1360	47-04-11			13220	5900	A 211000
45-08-17			1740	400	A 1880	47-04-12			7710	4500	A 93700
45-08-22			2540	400	A 2740	47-04-14			88300	9100	A 2170000
45-08-23			2830	200	A 1530	47-04-15			13400	7200	A 260000
45-08-29			1610	200	A 869	47-04-16			150000	6700	A 2710000
45-09-15			948	100	A 256	47-04-18			103900	2500	A 701000
45-09-18			896	100	A 242	47-04-22			18100	1300	A 63500
45-09-25			21000	5900	A 335000	47-04-24			11300	900	A 27500
45-09-28			55200	4400	A 656000	47-04-25			26500	3300	A 236000
45-09-29			75700	4400	A 899000	47-04-28			29400	2500	A 198000
45-10-01			154000	2900	A 1210000	47-04-29			21900	1900	A 112000
45-10-03			132000	2800	A 998000	47-05-05			8200	400	A 8860
45-10-04			80900	1700	A 371000	47-05-13			8640	900	A 21000
45-10-05			35600	1700	A 163000	47-05-15			18900	4200	A 214000
45-10-09			12100	600	A 19600	47-05-16			64300	6200	A 1080000
45-10-16			5900	300	A 4780	47-05-17			69000	5100	A 950000
45-10-22			4880	300	A 3950	47-05-18			66200	4600	A 822000
45-10-29			4450	300	A 3600	47-05-19			42800	2900	A 335000
45-11-01			3300	100	A 891	47-05-22			31600	2600	A 222000
45-11-16			2630	100	A 710	47-05-23			51500	3700	A 514000
45-11-30			2430	100	A 656	47-05-26			25400	1700	A 117000
45-12-03			2360	200	A 1270	47-05-28			38400	2200	A 228000
45-12-06			2350	200	A 1270	47-06-17			6120	600	A 9910
45-12-13			2330	200	A 1260	47-06-23			15600	3100	A 131000
45-12-20			1700	300	A 1380	47-07-11			7810	900	A 19000
45-12-26			1530	200	A 826	47-07-14			5490	400	A 5930
46-01-03			2840	200	A 1530	47-07-25			4390	900	A 10700
46-01-08			3640	200	A 1970	47-07-31			4110	600	A 6660
46-01-10			16300	1900	A 83600	47-08-08			2320	300	A 1880
46-01-11			11300	1700	A 51900	47-08-25			1310	200	A 707
46-01-15			6500	600	A 10500	47-09-12			1200	300	A 972
46-01-21			4000	100	A 1080	47-09-15			834	200	A 450
46-01-22			3930	100	A 1060	47-09-26			892	300	A 723
46-02-01			2700	100	A 729	47-10-02			592	200	A 320
46-02-08			2480	100	A 670	47-10-06			560	200	A 302
46-02-20			7640	1300	A 26800	47-10-17			536	200	A 289
46-03-01			3890	300	A 3150	47-10-24			555	300	A 450

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-11-06			663	400	A 716	49-04-18			6400	400	A 6910
47-11-10			610	500	A 823	49-04-25			4950	100	A 1340
47-11-18			672	100	A 181	49-05-02			17000	2200	A 101000
47-11-24			750	100	A 202	49-05-05			18300	2100	A 104000
47-11-28			726	200	A 392	49-05-06			13200	1800	A 64200
47-12-11			3310	700	A 6260	49-05-09			10300	1100	A 30600
47-12-15			1800	400	A 1940	49-05-10			15500	2500	A 105000
47-12-26			1190	300	A 964	49-05-11			14500	3200	A 125000
48-01-02			1050	200	A 567	49-05-12			13200	2600	A 92700
48-01-05			1110	200	A 599	49-05-13			12200	1600	A 52700
48-01-15			1320	200	A 713	49-05-16			20700	800	A 44700
48-01-19			1010	200	A 545	49-05-21			116100	4400	A 1380000
48-02-02			780	200	A 421	49-05-22			86000	6600	A 1530000
48-02-16			1020	100	A 275	49-05-24			81500	4500	A 990000
48-03-01			2530	200	A 1370	49-05-25			65700	4500	A 798000
48-03-03			16300	5400	A 238000	49-05-28			44200	2200	A 263000
48-03-05			16300	3500	A 154000	49-05-31			32300	1600	A 140000
48-03-08			10500	2100	A 59500	49-06-03			24200	1400	A 91500
48-03-24			15300	3800	A 157000	49-06-10			34900	1800	A 170000
48-03-29			7540	1200	A 24400	49-06-14			35200	2400	A 228000
48-04-08			3180	300	A 2580	49-06-16			35600	4500	A 433000
48-04-12			2630	100	A 710	49-06-20			25200	2200	A 150000
48-04-19			1960	300	A 1590	49-06-24			24200	1100	A 71900
48-04-28			9840	4400	A 117000	49-06-30			9700	400	A 10500
48-04-30			4630	1700	A 21300	49-07-08			9040	1100	A 26800
48-05-03			2840	300	A 2300	49-07-11			10100	1200	A 32700
48-05-13			13400	3700	A 134000	49-07-19			10000	1300	A 35100
48-05-21			1620	200	A 875	49-07-25			5050	300	A 4090
48-05-27			3340	900	A 8120	49-08-05			6680	900	A 16200
48-06-03			2420	400	A 2610	49-08-12			4130	200	A 2230
48-06-10			1240	200	A 670	49-08-19			4570	400	A 4940
48-06-15			949	200	A 512	49-09-09			19400	3600	A 189000
48-06-22			26800	6100	A 441000	49-09-12			14500	2600	A 102000
48-06-23			63600	5000	A 859000	49-09-15			20100	3000	A 163000
48-06-26			36300	4300	A 421000	49-09-16			16300	2100	A 92400
48-06-28			30700	3400	A 282000	49-09-23			8080	1000	A 21800
48-06-30			60400	5900	A 962000	49-09-30			3970	300	A 3220
48-07-06			21600	1500	A 87500	49-10-07			3230	100	A 872
48-07-12			25100	3000	A 203000	49-10-13			2380	100	A 643
48-07-15			34500	3200	A 298000	49-10-21			6100	2100	A 34600
48-07-19			71000	2400	A 460000	49-10-27			6030	900	A 14700
48-07-26			44800	1700	A 206000	49-11-04			3200	200	A 1730
48-07-27			43300	1700	A 199000	49-11-09			2780	200	A 1500
48-07-30			14300	900	A 34700	49-11-17			2390	200	A 1290
48-08-02			11000	1200	A 35600	49-11-23			2140	200	A 1160
48-08-09			12300	1400	A 46500	49-12-02			2100	100	A 567
48-08-13			15700	4200	A 178000	49-12-08			1950	100	A 527
48-08-16			47700	3800	A 489000	49-12-16			2120	300	A 1720
48-08-17			63500	3300	A 566000	49-12-21			2210	100	A 597
48-08-19			31800	2500	A 215000	50-01-06			3010	300	A 2440
48-08-23			15500	1100	A 46000	50-01-09			2450	100	A 662
48-08-31			6930	300	A 5610	50-01-19			2860	100	A 772
48-09-07			4280	100	A 1160	50-01-27			2360	100	A 637
48-09-20			2940	200	A 1590	50-02-03			1860	200	A 1000
48-09-27			2730	100	A 737	50-02-10			2220	100	A 599
48-10-04			2310	200	A 1250	50-02-16			2660	100	A 718
48-10-11			1640	100	A 443	50-02-24			2520	100	A 680
48-10-22			1470	100	A 397	50-03-02			3020	600	A 4890
48-11-04			19300	6400	A 334000	50-03-10			2120	100	A 572
48-11-05			20700	5900	A 330000	50-03-16			1990	200	A 1070
48-11-08			6790	1800	A 33000	50-03-24			2020	100	A 545
48-11-26			2320	100	A 626	50-03-30			1830	100	A 494
48-12-03			8380	1700	A 38500	50-04-07			2190	1400	A 8280
48-12-15			3090	100	A 834	50-04-20			1340	100	A 362
48-12-28			2230	300	A 1810	50-04-28			1320	100	A 356
49-01-20			24500	1700	A 112000	50-05-05			1640	200	A 886
49-01-21			17600	1200	A 57000	50-05-11			28900	6200	A 484000
49-01-24			21700	2200	A 129000	50-05-12			20100	4000	A 217000
49-01-25			39900	3900	A 420000	50-05-19			3420	400	A 3690
49-02-08			27400	4300	A 318000	50-05-26			10700	1400	A 40400
49-02-11			44800	3200	A 387000	50-06-02			3680	1100	A 10900
49-02-14			61600	3300	A 549000	50-06-07			18700	3500	A 177000
49-02-17			34300	3100	A 287000	50-06-13			5750	600	A 9320
49-02-18			31900	1600	A 138000	50-06-23			2540	300	A 2060
49-02-24			21200	1200	A 68700	50-06-30			1620	100	A 437
49-02-25			19500	1700	A 89500	50-07-07			1800	100	A 486
49-03-02			43200	5400	A 630000	50-07-11			16300	5000	A 220000
49-03-03			29900	2900	A 234000	50-07-19			74900	4600	A 930000
49-03-07			14500	700	A 27400	50-07-20			49500	3000	A 401000
49-03-08			12700	600	A 20600	50-07-21			54800	3100	A 459000
49-03-09			11800	400	A 12700	50-07-24			23100	4000	A 249000
49-03-10			2120	100	A 572	50-07-27			26000	3200	A 225000
49-03-14			10400	400	A 11200	50-07-28			16100	4100	A 178000
49-03-17			7740	300	A 6270	50-08-01			66200	5700	A 1020000
49-03-23			7130	300	A 5780	50-08-02			98800	4900	A 1310000
49-03-24			2020	100	A 545	50-08-03			94000	4100	A 1040000
49-04-01			8700	700	A 16400	50-08-04			97000	4200	A 1100000
49-04-04			14200	3500	A 134000	50-08-05			97600	2900	A 764000
49-04-11			7920	400	A 8550	50-08-08			41600	2300	A 258000

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

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07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
50-08-11			34100	2000	A 184000	52-04-01			5400	100	A 1460
50-08-17			15300	1800	A 74400	52-04-15			5550	300	A 4500
50-08-21			16800	2400	A 109000	52-04-23			13000	900	A 31600
50-08-24			15200	6300	A 259000	52-04-25			28200	2500	A 190000
50-08-28			9260	600	A 15000	52-04-28			17700	1200	A 57300
50-08-31			11100	1300	A 39000	52-05-09			8300	300	A 6720
50-09-07			14400	2400	A 93300	52-05-13			530	200	A 286
50-09-14			6910	600	A 11200	52-05-23			7100	600	A 11500
50-09-20			9970	1000	A 26900	52-05-26			8590	1300	A 30200
50-09-28			5340	500	A 7210	52-06-05			8570	600	A 13900
50-10-06			4540	500	A 6130	52-06-09			19900	1900	A 102000
50-10-13			7140	1800	A 34700	52-06-20			2670	200	A 1440
50-10-20			3640	400	A 3930	52-06-23			2510	200	A 1360
50-10-27			3080	200	A 1660	52-07-03			1820	100	A 491
50-11-10			2510	200	A 1360	52-07-22			1500	100	A 405
50-11-22			2220	200	A 1200	52-08-01			880	100	A 238
50-12-01			2160	100	A 583	52-08-05			1210	100	A 327
50-12-22			2570	100	A 694	52-08-20			1590	100	A 429
50-12-29			2260	100	A 610	52-08-29			1140	100	A 308
51-01-02			2050	400	A 2210	52-09-04			864	100	A 233
51-01-12			2290	200	A 1240	52-09-12			674	100	A 182
51-01-19			2340	200	A 1260	52-09-22			526	200	A 284
51-01-21			2350	200	A 1270	52-09-25			528	200	A 285
51-01-26			2320	100	A 626	52-10-03			410	100	A 111
51-02-23			6220	1800	A 30200	52-10-09			359	300	A 291
51-03-02			3960	300	A 3210	52-10-16			340	100	A 92
51-03-09			3460	200	A 1870	52-10-31			434	100	A 117
51-03-15			3370	200	A 1820	52-11-03			424	100	A 114
51-03-23			2820	100	A 761	52-11-20			580	100	A 157
51-03-29			2610	100	A 705	52-12-02			933	100	A 252
51-04-06			4000	300	A 3240	52-12-16			878	100	A 237
51-04-13			5670	600	A 9190	52-12-30			1090	200	A 589
51-04-20			4370	200	A 2360	53-01-13			1030	200	A 556
51-04-25			3460	200	A 1870	53-01-26			1170	100	A 316
51-05-03			54400	6600	A 969000	53-02-05			1160	100	A 313
51-05-04			51500	3900	A 542000	53-02-11			1170	100	A 316
51-05-11			11400	1800	A 55400	53-03-10			2460	200	A 1330
51-05-18			8520	800	A 18400	53-03-24			1940	100	A 524
51-05-19			82400	7800	A 1740000	53-04-02			1430	100	A 386
51-05-20			110000	6900	A 2050000	53-04-06			9920	2000	A 53600
51-05-21			136000	6900	A 2530000	53-04-17			1760	100	A 475
51-05-22			96100	4300	A 1120000	53-04-20			2070	100	A 559
51-05-23			74200	6800	A 1360000	53-05-01			1320	200	A 713
51-05-24			98900	4900	A 1310000	53-05-08			1180	100	A 319
51-05-25			106000	7900	A 2260000	53-05-14			7070	2000	A 38200
51-05-28			41100	3300	A 366000	53-05-20			3740	600	A 6060
51-05-31			32900	2400	A 213000	53-05-28			1920	200	A 1040
51-06-04			16000	1100	A 47500	53-06-02			15200	2700	A 111000
51-06-07			15500	1500	A 62800	53-06-04			3710	900	A 9020
51-06-11			44400	2300	A 276000	53-06-10			3300	500	A 4460
51-06-14			30100	2400	A 195000	53-06-18			1030	100	A 278
51-06-18			24100	1500	A 97600	53-06-26			1170	100	A 316
51-06-21			22300	2400	A 145000	53-07-02			770	100	A 208
51-06-25			59900	4500	A 728000	53-07-10			1420	800	A 3070
51-06-28			94100	2900	A 737000	53-07-14			7770	1000	A 21000
51-07-02			113500	4000	A 1230000	53-07-24			7280	1120	A 22000
51-07-03			125000	5500	A 1860000	53-07-30			2280	200	A 1230
51-07-05			114000	2000	A 616000	53-08-04			1250	80	A 270
51-07-10			35600	1500	A 144000	53-08-12			2250	850	A 5160
51-07-15			94400	2600	A 663000	53-08-19			1810	750	A 3670
51-07-18			91700	1300	A 322000	53-08-28			1090	350	A 1030
51-07-23			21600	1100	A 64200	53-09-01			951	3340	A 8580
51-07-26			30100	1500	A 122000	53-09-11			770	250	A 520
51-08-03			11400	700	A 21500	53-09-15			481	140	A 182
51-08-17			8590	400	A 9280	53-09-29			322	140	A 122
51-08-30			5360	300	A 4340	53-10-09			300	110	A 89
51-09-07			4740	400	A 5120	53-10-14			366	110	A 109
51-09-13			24700	2200	A 147000	53-10-28			1350	2630	A 9590
51-09-27			27000	4000	A 292000	53-11-02			1210	190	A 621
51-10-05			6720	300	A 5440	53-11-18			512	110	A 152
51-10-11			11200	1100	A 33300	53-11-25			2390	630	A 4070
51-10-19			5590	300	A 4530	53-12-03			1190	210	A 675
51-10-25			5160	500	A 6970	53-12-16			1060	210	A 601
51-11-09			6860	200	A 3700	53-12-28			888	200	A 480
51-11-16			10600	500	A 14300	54-01-19			700	100	A 189
51-11-21			7400	300	A 5990	54-01-28			664	100	A 179
51-11-30			7990	500	A 10800	54-02-16			810	290	A 634
51-12-06			5440	100	A 1470	54-02-18			797	100	A 215
51-12-12			5040	200	A 2720	54-02-26			1010	110	A 300
51-12-19			4590	200	A 2480	54-03-04			787	60	A 127
51-12-28			3650	100	A 986	54-03-15			758	70	A 143
52-02-01			3620	100	A 977	54-03-25			999	200	A 539
52-02-07			3680	100	A 994	54-04-02			1250	100	A 338
52-02-25			4540	200	A 2450	54-04-08			804	50	A 109
52-02-29			4520	100	A 1220	54-04-12			738	60	A 120
52-03-07			6240	200	A 3370	54-04-26			798	60	A 129
52-03-13			29700	4000	A 321000	54-05-02			13000	4710	A 165000
52-03-17			10700	700	A 20200	54-05-04			9990	3560	A 96000
52-03-28			5950	200	A 3210	54-05-05			7190	2200	A 42700

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## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
54-05-10			3730	530	A 5340	55-11-02			1100	70	A 208
54-05-21			1420	160	A 613	55-11-08			1060	50	A 143
54-05-28			11900	7080	A 227000	55-11-15			907	50	A 122
54-06-02			7390	1770	A 35300	55-11-25			786	50	A 106
54-06-08			3050	310	A 2550	55-12-02			721	50	A 97
54-06-18			2010	640	A 3470	55-12-09			672	50	A 91
54-06-23			1950	200	A 1050	55-12-19			626	70	A 118
54-07-02			1030	100	A 278	55-12-28			650	40	A 70
54-07-07			578	70	A 109	56-01-03			803	60	A 130
54-07-15			352	40	A 38	56-01-11			730	60	A 118
54-07-22			266	60	A 43	56-01-20			402	90	A 98
54-07-29			191	60	A 31	56-01-30			667	100	A 180
54-08-04			214	70	A 40	56-02-14			1470	230	A 913
54-08-11			247	80	A 53	56-03-05			910	110	A 270
54-08-18			158	70	A 30	56-03-08			780	80	A 168
54-08-25			169	60	A 27	56-03-19			640	80	A 138
54-09-01			170	60	A 28	56-03-26			914	200	A 494
54-09-07			258	110	A 77	56-04-02			984	110	A 292
54-09-14			137	70	A 26	56-04-18			682	60	A 110
54-09-21			88	90	A 21	56-04-30			589	60	A 95
54-09-29			81	120	A 26	56-05-17			1040	90	A 253
54-10-04			96	110	A 29	56-05-25			642	100	A 173
54-10-11			84	70	A 16	56-06-08			1040	100	A 281
54-10-20			343	70	A 65	56-06-15			936	90	A 227
54-11-01			596	80	A 129	56-06-22			409	60	A 66
54-11-10			237	80	A 51	56-07-05			769	50	A 104
54-11-16			191	90	A 46	56-07-19			710	40	A 77
54-11-24			195	50	A 26	56-07-30			857	70	A 162
54-11-30			172	60	A 28	56-08-10			327	50	A 44
54-12-07			173	50	A 23	56-08-17			150	80	A 32
54-12-14			279	30	A 23	56-08-27			96	50	A 13
54-12-22			210	70	A 40	56-09-06			124	220	A 74
55-01-06			376	40	A 41	56-09-14			80	90	A 19
55-01-13			353	50	A 48	56-09-24			67	90	A 16
55-01-20			382	60	A 62	56-10-01			67	60	A 11
55-01-25			382	60	A 62	56-10-08			33	170	A 15
55-02-01			358	40	A 39	56-10-19			294	80	A 64
55-02-07			500	50	A 67	56-10-25			165	50	A 22
55-02-15			445	50	A 60	56-11-02			152	80	A 33
55-02-23			629	70	A 119	56-11-05			343	60	A 56
55-03-01			504	70	A 95	56-11-15			228	130	A 80
55-03-09			446	100	A 120	56-11-23			178	110	A 53
55-03-16			1070	370	A 1070	56-11-30			138	50	A 19
55-03-23			1090	460	A 1350	56-12-06			142	100	A 38
55-03-30			500	60	A 81	56-12-17			176	150	A 71
55-04-04			503	90	A 122	56-12-27			242	50	A 33
55-04-12			606	70	A 115	57-01-04			276	130	A 97
55-04-18			440	40	A 48	57-01-14			180	100	A 49
55-04-25			635	12000	A 20600	57-01-29			163	150	A 66
55-05-05			450	70	A 85	57-02-07			239	100	A 65
55-05-11			12600	3930	A 134000	57-02-15			301	50	A 41
55-05-12			23100	5380	A 336000	57-02-27			363	30	A 29
55-05-13			20000	3650	A 197000	57-03-11			375	50	A 51
55-05-21			44800	4180	A 506000	57-03-20			335	50	A 45
55-05-22			50000	4510	A 609000	57-03-27			437	40	A 47
55-05-23			43000	4820	A 560000	57-04-02			4410	110	A 1310
55-05-25			20600	7950	A 442000	57-04-03			3750	680	A 6890
55-05-27			148000	9820	A 3920000	57-04-06			14300	3510	A 136000
55-05-28			46900	10600	A 1340000	57-04-08			9280	2640	A 66100
55-05-29			54300	5980	A 877000	57-04-11			4990	710	A 9570
55-06-01			14200	2570	A 98500	57-04-15			3200	670	A 5790
55-06-10			9140	1700	A 42000	57-04-20			17100	5470	A 253000
55-06-13			6900	1480	A 27600	57-04-22			32300	7370	A 643000
55-06-20			37100	6270	A 628000	57-04-24			49000	6020	A 796000
55-06-21			53600	6160	A 891000	57-04-25			50200	2570	A 348000
55-06-23			32800	2410	A 213000	57-04-26			41500	2800	A 314000
55-06-27			13700	2190	A 81000	57-04-29			13000	1410	A 49500
55-06-30			8420	1900	A 43200	57-05-03			12200	1390	A 45800
55-07-08			4780	270	A 3480	57-05-06			22500	1470	A 89300
55-07-13			3480	530	A 4980	57-05-07			17000	2440	A 112000
55-07-21			1980	210	A 1120	57-05-08			11700	1000	A 31600
55-07-26			2050	80	A 443	57-05-10			12900	1210	A 42100
55-08-04			1080	50	A 146	57-05-14			19600	2430	A 129000
55-08-09			1220	150	A 494	57-05-17			99800	7830	A 2110000
55-08-17			1040	90	A 253	57-05-18			180000	6910	A 3360000
55-08-26			579	90	A 141	57-05-19	0001		216000	5190	A 3030000
55-09-01			663	100	A 179	57-05-20			127000	4410	A 1510000
55-09-07			400	70	A 76	57-05-21			232000	4740	A 2970000
55-09-15			534	50	A 72	57-05-22			198000	3740	A 2000000
55-09-23			420	30	A 34	57-05-23			73100	3480	A 687000
55-10-03			4800	1720	A 22300	57-05-25			116000	5420	A 1700000
55-10-04			37300	6020	A 606000	57-05-31			28600	1610	A 124000
55-10-05			94600	3910	A 999000	57-06-05			42900	3290	A 381000
55-10-06			95500	3000	A 774000	57-06-11			55400	4650	A 696000
55-10-07			65500	6710	A 1190000	57-06-13			90600	4160	A 1020000
55-10-09			20000	2030	A 110000	57-06-19			67100	2340	A 424000
55-10-12			8330	540	A 12100	57-06-25			124000	6670	A 2230000
55-10-19			3990	150	A 1620	57-06-26			127000	4240	A 1450000
55-10-25			2720	170	A 1250	57-06-27			95800	2870	A 742000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

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DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-07-02		116000	3620	A 1130000	59-06-30		4070	980	A 10800
57-07-09		27100	1240	A 90700	59-07-10		3140	320	A 2710
57-07-17		11600	450	A 14100	59-07-21		34200	2140	A 198000
57-07-25		9840	610	A 16200	59-07-24		32100	2820	A 244000
57-07-31		5830	300	A 4720	59-07-25		32200	3160	A 275000
57-08-09		4210	370	A 4210	59-07-28		28200	6820	A 519000
57-08-19		2910	130	A 1020	59-08-03		4900	270	A 3570
57-08-30		2200	110	A 653	59-08-19		5940	830	A 13300
57-09-11		2010	80	A 434	59-08-26		3150	990	A 8420
57-09-16		22900	6350	A 393000	59-09-03		2250	200	A 1220
57-09-19		12900	3430	A 119000	59-09-10		1890	140	A 714
57-09-26		10600	1950	A 55800	59-09-23		2250	230	A 1400
57-10-04		4470	370	A 4470	59-09-25		52700	190	A 27000
57-10-14		2610	150	A 1060	59-09-28		53500	5390	A 779000
57-10-24		3280	310	A 2750	59-10-01		24300	2550	A 167000
57-11-01		3880	270	A 2830	59-10-03		210000	6410	A 3630000
57-11-12		3180	170	A 1460	59-10-04		235000	7000	A 4440000
57-11-20		3280	200	A 1770	59-10-05		237000	7420	A 4750000
57-12-03		3870	110	A 1150	59-10-06		240000	6060	A 3930000
57-12-09		3030	130	A 1060	59-10-07		180000	3840	A 1870000
57-12-30		2660	50	A 359	59-10-08		105000	3190	A 904000
58-02-06		3030	70	A 573	59-10-09		54800	2330	A 345000
58-02-20		2010	90	A 488	59-10-10		33700	2450	A 223000
58-03-06		3870	100	A 1040	59-10-12		22200	1880	A 113000
58-03-12		20600	3450	A 192000	59-10-15		43700	2050	A 242000
58-03-20		11200	410	A 12400	59-10-19		18500	1490	A 74400
58-03-25		16000	1000	A 43200	59-10-26		8880	550	A 13200
58-03-26		31800	3480	A 299000	59-11-05		9320	680	A 17100
58-03-28		19800	1930	A 103000	59-11-09		6560	260	A 4610
58-04-01		25600	2120	A 147000	59-11-19		5020	710	A 9620
58-04-02		28300	2550	A 195000	59-11-30		4130	180	A 2010
58-04-04		20000	1760	A 95000	59-12-09		3650	120	A 1180
58-04-07		20000	2220	A 120000	59-12-17		4370	810	A 9560
58-04-10		10800	750	A 21900	59-12-28		4930	910	A 12100
58-04-21		7480	520	A 10500	60-01-07		4740	590	A 7550
58-04-30		5160	620	A 8640	60-01-15		5670	310	A 4750
58-05-09		10300	960	A 26700	60-01-25		4620	320	A 3990
58-05-14		6930	470	A 8790	60-02-02		5980	270	A 4360
58-05-23		5370	290	A 4200	60-02-09		22000	2090	A 124000
58-06-18		4020	620	A 6730	60-03-09		6810	340	A 6250
58-06-24		17400	4350	A 204000	60-03-15		13400	880	A 31800
58-06-26		22400	4560	A 276000	60-03-21		14000	680	A 25700
58-06-27		33500	6490	A 587000	60-03-24		20000	1760	A 95000
58-06-30		16500	1510	A 67300	60-04-01		20300	1930	A 106000
58-07-07		54700	4760	A 703000	60-04-06		14600	960	A 37800
58-07-09		44000	2610	A 310000	60-04-11		8540	630	A 14500
58-07-11		25500	1040	A 71600	60-04-19		13900	1530	A 57400
58-07-15		19800	1920	A 103000	60-04-29		11000	1570	A 46600
58-07-18		11400	1360	A 41900	60-05-07		16100	3740	A 163000
58-07-21		25600	2560	A 177000	60-05-09		28000	3900	A 295000
58-08-04		18600	1700	A 85400	60-05-10		22000	2380	A 141000
58-08-11		9240	520	A 13000	60-05-13		10900	880	A 25900
58-08-26		4970	390	A 5230	60-05-31		40300	3460	A 376000
58-09-02		4110	690	A 7660	60-06-03		18200	2470	A 121000
58-09-10		4130	300	A 3350	60-06-09		23000	3850	A 239000
58-09-22		13800	1910	A 71200	60-06-22		6490	1630	A 28600
58-10-03		5020	550	A 7450	60-07-01		5060	740	A 10100
58-10-10		3280	360	A 3190	60-07-08		26600	7280	A 523000
58-10-20		2280	320	A 1970	60-07-18		7780	2030	A 42600
58-11-10		1550	90	A 377	60-08-18		3890	660	A 6930
58-11-20		1640	300	A 1330	60-08-24		6130	1050	A 17400
58-12-02		1880	60	A 305	60-08-29		51300	5880	A 814000
58-12-24		2040	60	A 330	60-09-01		24900	2420	A 163000
59-01-02		2130	110	A 633	60-09-12		4510	200	A 2440
59-01-07		957	150	A 388	60-09-26		3370	710	A 6460
59-01-16		1810	160	A 782	60-10-10		2380	220	A 1410
59-01-26		2080	130	A 730	60-10-19		8070	2090	A 45500
59-02-04		1770	170	A 812	60-10-24		7930	3540	A 75800
59-02-09		1610	120	A 522	60-10-31		22600	4700	A 287000
59-02-18		2470	250	A 1670	60-11-02		18000	3910	A 190000
59-02-27		1980	90	A 481	60-11-03		23300	3800	A 239000
59-03-12		1980	60	A 321	60-11-07		6920	570	A 10600
59-03-23		2160	130	A 758	60-11-15		3640	190	A 1870
59-04-03		5340	1210	A 17400	60-11-23		3010	110	A 894
59-04-09		3350	230	A 2080	60-12-01		2930	60	A 475
59-04-14		6440	830	A 14400	60-12-19		4860	330	A 4330
59-04-15		5570	810	A 12200	60-12-28		2930	130	A 1030
59-04-20		5450	450	A 6620	61-01-09		2660	80	A 575
59-04-29		3280	300	A 2660	61-01-24		1880	1140	A 5790
59-05-08		2840	240	A 1840	61-02-01		3100	250	A 2090
59-05-11		17000	2790	A 128000	61-02-08		2500	430	A 2900
59-05-13		14000	2790	A 105000	61-02-14		2430	60	A 394
59-05-19		8010	1610	A 34800	61-02-24		6340	1180	A 20200
59-05-21		6620	700	A 12500	61-03-02		3180	210	A 1800
59-05-22		18100	2850	A 139000	61-03-09		3420	1290	A 11900
59-05-28		10400	1240	A 34800	61-03-16		2090	160	A 903
59-06-01		12100	2320	A 75800	61-03-24		6960	1150	A 21600
59-06-09		4330	370	A 4330	61-04-03		9400	1260	A 32000
59-06-22		1980	540	A 2890	61-04-06		10300	1600	A 44500

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-04-14			14400	1540	A 59900	62-12-06			4770	520	A 6700
61-04-19			6660	410	A 7370	62-12-18			2440	160	A 1050
61-04-24			4400	200	A 2380	63-01-04			2460	70	A 465
61-04-26			5400	390	A 5690	63-01-11			4010	180	A 1950
61-05-03			25600	4980	A 344000	63-01-15			1830	80	A 395
61-05-04			16200	2980	A 130000	63-01-17			2250	150	A 911
61-05-07			58600	5530	A 875000	63-01-28			1170	150	A 474
61-05-08			147000	4130	A 1640000	63-02-04			2020	120	A 654
61-05-09			164000	2260	A 1000000	63-02-07			3000	100	A 810
61-05-10			131000	5070	A 1790000	63-02-13			3290	130	A 1150
61-05-11			52100	2250	A 317000	63-02-14			3630	450	A 4410
61-05-12			36100	2220	A 216000	63-02-21			2800	160	A 1210
61-05-22			13900	2170	A 81400	63-03-04			2940	250	A 1980
61-05-23			29400	2060	A 164000	63-03-13			4820	240	A 3120
61-05-24			36000	3200	A 311000	63-03-22			3370	110	A 1000
61-05-31			8020	250	A 5410	63-04-01			5920	950	A 15200
61-06-05			31100	6030	A 506000	63-04-08			2540	110	A 754
61-06-13			10900	1260	A 37100	63-04-19			2110	90	A 513
61-06-15			27500	4460	A 331000	63-04-29			5450	540	A 7950
61-06-22			6690	590	A 10700	63-05-03			2110	160	A 912
61-06-30			4000	290	A 3130	63-05-16			1260	150	A 510
61-07-16			17300	2380	A 111000	63-05-24			1230	150	A 498
61-07-20			6720	820	A 14900	63-05-31			5460	750	A 11100
61-07-25			33000	4790	A 427000	63-06-12			2930	720	A 5700
61-07-26			41900	4080	A 462000	63-06-21			2250	370	A 2250
61-07-31			7470	600	A 12100	63-06-25			29400	10800	A 857000
61-08-09			3790	130	A 1330	63-06-26			27700	4980	A 372000
61-08-16			15800	1850	A 78900	63-06-28			9910	2500	A 66900
61-08-28			11500	3270	A 102000	63-07-05			4850	640	A 8380
61-09-07			5870	340	A 5390	63-07-15			28500	3660	A 282000
61-09-14			125000	7150	A 2410000	63-07-17			20100	2680	A 145000
61-09-15			137000	6200	A 2290000	63-07-22			5820	750	A 11800
61-09-16			86700	4640	A 1090000	63-08-02			7220	2560	A 49900
61-09-17			60100	4540	A 737000	63-08-09			2180	520	A 3060
61-09-18			39200	2190	A 232000	63-08-15			1960	220	A 1160
61-09-20			15700	1080	A 45800	63-08-23			1460	150	A 591
61-09-22			10200	810	A 22300	63-08-30			1640	130	A 576
61-10-03			9220	1430	A 35600	63-09-06			2720	380	A 2790
61-10-12			88100	6140	A 1460000	63-09-09			16500	2520	A 112000
61-10-13			74100	4650	A 930000	63-09-12			10600	2300	A 65800
61-10-17			19100	2190	A 113000	63-09-19			16800	4250	A 193000
61-10-20			9280	760	A 19000	63-09-23			4180	1000	A 11300
61-10-30			5270	130	A 1850	63-10-04			2400	170	A 1100
61-11-03			51700	3760	A 525000	63-10-11			2070	270	A 1510
61-11-04			112000	5090	A 1540000	63-10-18			1540	120	A 499
61-11-05			106000	4120	A 1180000	63-10-25			9360	3270	A 82600
61-11-06			58400	2610	A 412000	63-10-31			3530	820	A 7820
61-11-09			17700	950	A 45400	63-11-07			1640	180	A 797
61-11-17			22800	1870	A 115000	63-11-15			1190	60	A 193
61-11-18			32700	2810	A 248000	63-11-26			2030	110	A 603
61-11-20			26000	1950	A 137000	63-12-05			1270	30	A 103
61-12-01			7770	190	A 3990	63-12-16			646	50	A 87
61-12-29			7370	240	A 4780	63-12-20			522	80	A 113
62-01-11			2070	50	A 279	63-12-26			792	10	A 21
62-01-29			7370	660	A 13100	63-12-31			1180	40	A 127
62-02-01			22100	2100	A 125000	64-01-08			1430	30	A 116
62-02-07			11600	570	A 17900	64-01-16			802	140	A 303
62-02-21			7780	590	A 12400	64-01-24			1350	80	A 292
62-03-05			4580	120	A 1480	64-01-30			1570	60	A 254
62-03-12			4040	180	A 1960	64-02-07			2010	80	A 434
62-03-26			8720	420	A 9890	64-02-14			1640	80	A 354
62-04-04			3840	60	A 622	64-02-20			1430	110	A 425
62-04-13			4830	450	A 5870	64-02-27			1360	100	A 367
62-04-20			3670	150	A 1490	64-03-09			1650	150	A 668
62-05-02			3980	50	A 537	64-03-17			1070	70	A 202
62-05-14			2230	830	A 5000	64-03-27			1270	30	A 103
62-05-31			5070	2270	A 31100	64-04-03			1060	50	A 143
62-06-03			24000	4800	A 311000	64-04-06			4530	2980	A 36400
62-06-05			31700	3600	A 308000	64-04-08			2900	200	A 1570
62-06-07			38700	3250	A 340000	64-04-09			5860	9000	A 142000
62-06-08			31700	4170	A 357000	64-04-10			5490	1720	A 25500
62-06-10			59500	5020	A 806000	64-04-15			1770	330	A 1580
62-06-12			25200	3810	A 259000	64-04-24			1280	140	A 484
62-06-14			14200	1240	A 47500	64-04-30			1910	4470	A 23100
62-06-18			7100	670	A 12800	64-05-06			3110	1290	A 10800
62-06-26			4010	170	A 1840	64-05-11			11400	2330	A 71700
62-07-10			15800	2510	A 107000	64-05-13			26500	4790	A 343000
62-07-13			12100	1880	A 61400	64-05-14			16600	2420	A 108000
62-07-25			12300	2990	A 99300	64-05-18			3960	680	A 7270
62-08-31			2990	490	A 3960	64-05-28			1380	270	A 1010
62-09-07			3230	460	A 4010	64-06-05			4300	890	A 10300
62-09-17			8360	1080	A 24400	64-06-10			7790	2280	A 48000
62-09-24			9740	2850	A 74900	64-06-23			3870	1200	A 12500
62-09-28			9020	1940	A 47200	64-07-01			1950	290	A 1530
62-10-12			4540	350	A 4290	64-07-09			1740	300	A 1410
62-10-22			4400	340	A 4040	64-07-16			680	170	A 312
62-11-01			2820	120	A 914	64-07-23			536	100	A 145
62-11-09			2470	130	A 867	64-07-30			435	100	A 117
62-11-28			2760	2060	A 15400	64-08-07			361	70	A 68

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

141

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-08-14			291	60	A 47	66-06-09			3560	10	A 96
64-08-20			4520	960	A 11700	66-06-21			2070	20	A 112
64-08-31			12400	2710	A 90700	66-07-07			949	10	A 26
64-09-02			15700	2100	A 89000	66-07-08			685	10	A 18
64-09-10			2040	120	A 661	66-07-18			3240	50	A 437
64-09-12			746	170	A 342	66-07-21			2830	160	A 1220
64-09-14			1810	210	A 1030	66-07-29			1580	70	A 299
64-09-25			2460	160	A 1060	66-08-17			1380	10	A 37
64-10-02			527	90	A 128	66-08-30			2280	60	A 369
64-10-07			453	110	A 135	66-09-16			2370	10	A 64
64-10-15			469	70	A 89	66-09-30			2600	10	A 70
64-10-22			473	50	A 64	66-10-07			2640	10	A 71
64-11-02			377	40	A 41	66-10-21			2300	10	A 62
64-11-06			17100	480	A 22200	66-11-02			1700	90	A 413
64-11-12			5590	250	A 3770	66-11-10			1020	10	A 28
64-11-17			18800	350	A 17800	66-11-18			1150	10	A 31
64-11-18			21500	330	A 19200	66-11-30			1220	80	A 264
64-11-19			29700	1930	A 155000	66-12-06			674	10	A 18
64-11-20			54800	2220	A 328000	66-12-14			874	10	A 24
64-11-21			81600	2160	A 476000	66-12-22			664	80	A 143
64-11-22			58900	1300	A 207000	66-12-29			450	50	A 61
64-11-23			43100	3260	A 379000	67-01-06			338	60	A 55
64-11-24			17800	1160	A 55700	67-01-11			338	10	A 9.1
64-11-27			24200	700	A 45700	67-01-17			602	10	A 16
64-11-30			24200	580	A 37900	67-01-20			660	10	A 18
64-12-03			23800	460	A 29600	67-01-25			643	40	A 69
64-12-08			563	80	A 122	67-02-01			440	170	A 202
64-12-10			2890	90	A 702	67-02-08			372	60	A 60
64-12-14			22700	390	A 23900	67-02-15			477	90	A 116
64-12-23			4650	40	A 502	67-02-23			516	90	A 125
65-03-01			1070	90	A 260	67-03-02			2080	70	A 393
65-03-23			4090	270	A 2980	67-03-09			1340	50	A 181
65-03-29			2040	30	A 165	67-03-10			1360	70	A 257
65-03-30			1780	30	A 144	67-03-22			1450	120	A 470
65-04-07			22900	100	A 6180	67-03-31			1080	50	A 146
65-04-08			23400	110	A 6950	67-04-06			180	100	A 49
65-04-12			8140	80	A 1760	67-04-12			266	180	A 129
65-04-22			6200	90	A 1510	67-04-20			815	660	A 1450
65-04-29			2580	30	A 209	67-05-05			1000	110	A 297
65-05-11			6870	140	A 2600	67-05-26			778	100	A 210
65-06-08			35700	1710	A 165000	67-06-08			732	70	A 138
65-06-09			45300	1870	A 229000	67-06-14			822	70	A 155
65-06-11			39700	230	A 24700	67-06-21			10500	460	A 13000
65-06-14			42400	1810	A 207000	67-06-28			17900	280	A 13500
65-06-17			33200	160	A 14300	67-06-30			24200	130	A 8490
65-06-21			14100	120	A 4570	67-07-07			20100	80	A 4340
65-06-23			14800	180	A 7190	67-07-14			9490	120	A 3070
65-06-29			19600	70	A 3700	67-07-20			11300	390	A 11900
65-07-01			24500	60	A 3970	67-07-27			19100	130	A 6700
65-07-06			15300	90	A 3720	67-08-07			8350	50	A 1130
65-07-09			19000	120	A 6160	67-08-16			7060	150	A 2860
65-07-23			4510	10	A 122	67-08-28			2340	70	A 442
65-07-29			3170	10	A 86	67-09-08			2320	120	A 752
65-08-09			2500	10	A 68	67-09-22			5760	90	A 1400
65-08-17			1700	10	A 46	67-10-06			1230	50	A 166
65-08-25			2490	10	A 67	67-10-12			8680	70	A 1640
65-09-02			5440	10	A 147	67-10-25			4850	100	A 1310
65-09-09			13000	120	A 4210	67-11-08			565	40	A 61
65-09-10			18300	90	A 4450	67-11-21			3030	50	A 409
65-09-13			7500	10	A 203	67-12-08			1040	20	A 56
65-09-14			6010	10	A 162	67-12-20			1090	60	A 177
65-09-16			4800	10	A 130	68-01-05			1960	50	A 265
65-09-22			63500	2410	A 413000	68-01-11			902	70	A 170
65-09-23			70600	860	A 164000	68-02-07			5550	40	A 599
65-09-27			39400	460	A 48900	68-02-14			2620	40	A 283
65-10-05			6590	80	A 1420	68-03-01			1790	40	A 193
65-10-14			910	250	A 614	68-03-14			2520	40	A 272
65-10-20			2530	10	A 68	68-03-26			10900	110	A 3240
65-11-01			2930	30	A 237	68-03-28			5460	150	A 2210
65-11-19			2140	10	A 58	68-04-10			6150	90	A 1490
65-11-26			4050	50	A 547	68-04-16			330	70	A 62
65-12-09			2670	10	A 72	68-04-25			11000	160	A 4750
65-12-15			4350	10	A 117	68-05-03			896	90	A 218
65-12-21			3490	10	A 94	68-05-08			253	80	A 55
66-01-06			1780	10	A 48	68-05-17			13600	310	A 11400
66-01-17			2190	10	A 59	68-05-28			32300	200	A 17400
66-02-04			2530	10	A 68	68-06-07			7410	150	A 3000
66-02-09			2710	340	A 2490	68-06-21			15900	140	A 6010
66-02-16			5930	50	A 801	68-06-27			1700	270	A 1240
66-02-25			6400	210	A 3630	68-07-05			670	90	A 163
66-03-09			2740	70	A 518	68-07-24			508	80	A 110
66-03-17			3120	110	A 927	68-07-25			431	300	A 349
66-03-23			3150	70	A 595	68-08-16			695	90	A 169
66-04-06			1600	140	A 605	68-08-21			14100	90	A 3430
66-04-15			2220	10	A 60	68-09-12			1290	100	A 348
66-04-21			1500	10	A 41	68-09-19			657	90	A 160
66-04-28			2710	10	A 73	68-10-04			650	80	A 140
66-05-09			2390	10	A 65	68-10-18			6760	110	A 2010
66-06-08			1480	40	A 160	68-10-24			13400	50	A 1810

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-10-31			5990	160	A 2590	72-05-11			2430	20	A 131
68-11-15			1160	180	A 564	72-06-08			743	60	A 120
68-11-21			5800	100	A 1570	72-07-07			885	60	A 143
68-12-05			20300	160	A 8770	72-07-21			1020	60	A 165
68-12-26			7910	100	A 2140	72-08-04			1710	30	A 139
69-01-09			1030	60	A 167	72-08-31			971	300	A 787
69-01-24			788	90	A 191	72-09-15			553	30	A 45
69-02-06			1040	40	A 112	72-10-12			1480	10	A 40
69-02-20			1320	210	A 748	72-10-30			612	20	A 33
69-02-27			6870	130	A 2410	72-11-09			990	40	A 107
69-03-13			5020	140	A 1900	72-12-04			2140	40	A 231
69-03-19			592	210	A 336	73-01-03			14000	110	A 4160
69-03-27			20500	220	A 12200	73-01-18			1610	40	A 174
69-04-03			21500	400	A 23200	73-01-30			14200	20	A 767
69-04-10			7020	140	A 2650	73-02-02			20700	40	A 2240
69-04-16			1040	150	A 421	73-03-02			71000	60	A 11500
69-04-23			26300	130	A 9230	73-03-09			25400	140	A 9600
69-04-30			30600	130	A 10700	73-03-12			43000	70	A 8130
69-05-09			31400	140	A 11900	73-03-14			69300	410	A 76700
69-05-21			36300	200	A 19600	73-03-15			82000	1360	A 301000
69-05-26			7860	90	A 1910	73-03-19			68500	690	A 128000
69-06-03			13000	120	A 4210	73-03-22			33700	480	A 43700
69-06-12			1630	200	A 880	73-03-28			31300	2250	A 190000
69-06-18			13700	90	A 3330	73-04-02			55100	450	A 66900
69-06-24			19200	140	A 7260	73-04-19			30900	1710	A 143000
69-06-27			44700	180	A 21700	73-05-10			34800	210	A 19700
69-06-28			40000	250	A 27000	73-06-22			1010	30	A 82
69-07-16			1320	80	A 285	73-07-05			409	20	A 22
69-07-31			830	30	A 67	73-10-02			21700	180	A 10500
69-08-14			889	30	A 72	73-10-12			80500	340	A 73900
69-08-27			510	10	A 14	73-10-12	0001		73500	330	A 65500
69-09-05			891	40	A 96	73-10-15			83800	920	A 208000
69-09-18			13200	50	A 1780	73-10-26			49600	5280	A 707000
69-10-01			985	50	A 133	73-11-09			15100	30	A 1220
69-10-16			1250	80	A 270	73-12-04			7680	20	A 415
69-10-30			6540	60	A 1060	74-03-06			13100	150	A 5310
69-11-14			1010	30	A 82	74-03-21			29100	300	A 23600
69-12-04			1780	50	A 240	74-05-03			13000	30	A 1050
69-12-17			1250	40	A 135	74-06-19			29800	310	A 24900
70-01-09			1630	110	A 484	74-07-18			918	30	A 74
70-01-28			1080	30	A 87	74-08-27			1020	50	A 138
70-02-11			1450	30	A 117	74-09-25			14600	70	A 2760
70-02-25			777	40	A 84	74-10-15			2020	50	A 273
70-03-12			1420	20	A 77	74-11-07			10100	310	A 8450
70-03-25			686	20	A 37	74-11-14			27100	450	A 32900
70-04-08			16100	70	A 3040	74-12-20			7000	240	A 4540
70-04-21			42300	110	A 12600	75-02-10			25600	240	A 16600
70-04-24			37900	270	A 27600	75-03-04			23100	210	A 13100
70-04-27			27900	100	A 7530	75-03-12			23300	140	A 8810
70-05-05			15700	60	A 2540	75-03-21			2390	40	A 258
70-05-20			2440	300	A 1980	75-04-23			8680	30	A 703
70-06-26			14000	110	A 4160	75-05-09			2200	60	A 356
70-07-08			2160	90	A 525	75-05-20			29500	270	A 21500
70-07-24			948	90	A 230	75-06-02			46100	210	A 26100
70-08-05			715	60	A 116	75-07-25			1730	90	A 420
70-08-19			955	40	A 103	75-08-20			826	50	A 112
70-09-04			666	50	A 90	75-09-19			2130	50	A 288
70-09-16			879	30	A 71	75-10-24			792	110	A 235
70-10-15			2240	40	A 242	75-12-19			984	40	A 106
70-10-28			693	90	A 168	76-01-23			989	10	A 27
70-11-19			1670	20	A 90	76-02-25			1220	10	A 33
70-12-02			922	40	A 100	76-04-01			1270	80	A 274
70-12-16			1200	30	A 97	76-05-03			252	50	A 34
70-12-30			688	30	A 56	76-06-29			1130	40	A 122
71-01-13			694	30	A 56	76-08-12			1280	20	A 69
71-01-27			839	50	A 113	76-10-07			202	150	A 82
71-02-11			1030	50	A 139	76-10-29			208	40	A 22
71-03-10			1610	10	A 43	76-12-16			484	200	A 261
71-03-31			1710	40	A 185	77-01-25			536	50	A 72
71-04-21			1180	60	A 191	77-03-11			174	140	A 66
71-05-12			1180	60	A 191	77-04-05	1400		466	34	A 43
71-05-26			2360	620	A 3950	77-04-12			573	50	A 77
71-06-09			7460	50	A 1010	77-05-03	1115		1740	103	A 484
71-06-16			12900	40	A 1390	77-05-13			909	150	A 368
71-07-08			1710	60	A 277	77-06-02			40900	200	A 22100
71-07-21			2330	20	A 126	77-06-07	1140		21000	31	A 1760
71-08-11			755	250	A 510	77-07-12	1130		12800	32	A 1110
71-08-25			811	30	A 66	77-07-25			321	10	A 8.7
71-09-08			1290	100	A 348	77-08-09	1215		867	48	A 112
71-09-22			2410	40	A 260	77-09-06			13900	120	A 4500
71-10-07			1010	50	A 136	77-09-14	1015		14000	81	A 3060
71-11-03			4660	170	A 2140	77-10-14	1420		1330	50	A 180
71-11-19			953	30	A 77	77-10-17	1315		359	393	A 381
71-12-02			880	40	A 95	77-11-15	1030		2490	22	A 148
71-12-28			929	20	A 50	77-12-01	1505		1000	40	A 108
72-01-11			6370	20	A 344	77-12-28	1245		1310	43	A 152
72-03-02			611	60	A 99	78-01-11	1630		1900	36	A 185
72-03-31			597	30	A 48	78-02-01	1400		1040	60	A 168
72-04-28			1540	20	A 83	78-02-01	1415		1310	40	A 141

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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ARKANSAS RIVER BASIN

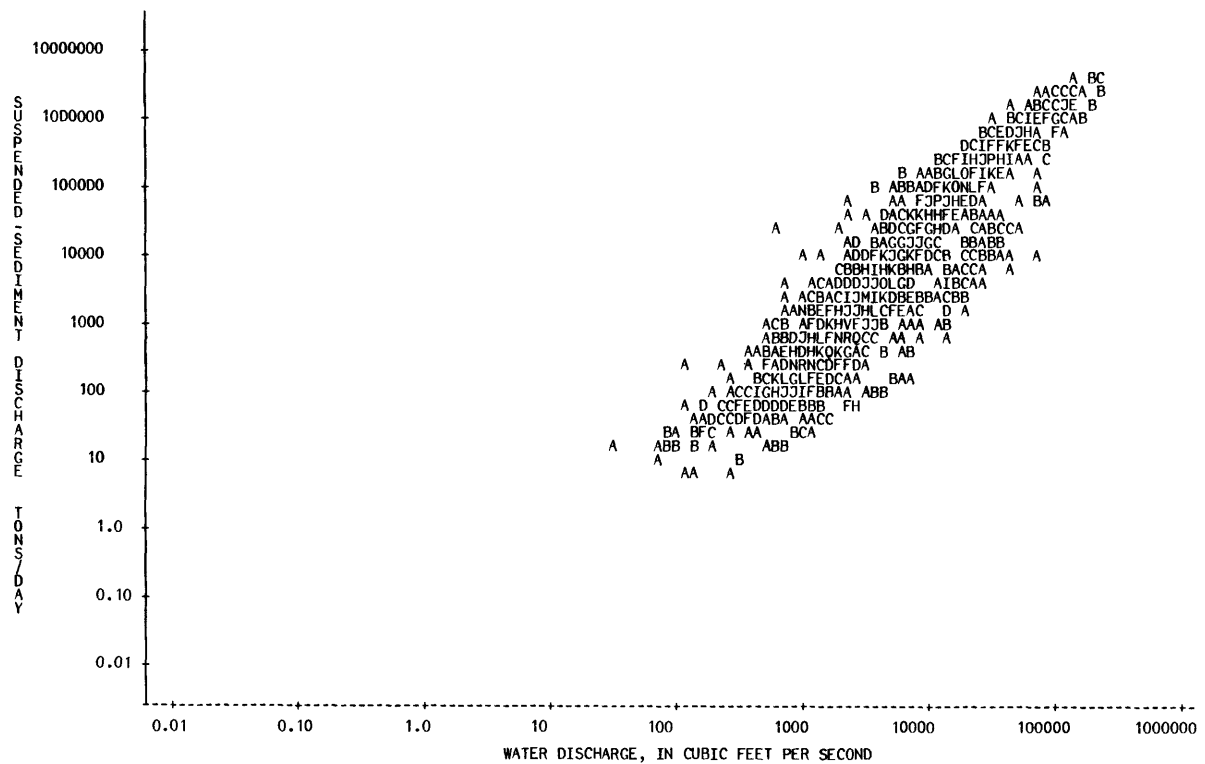
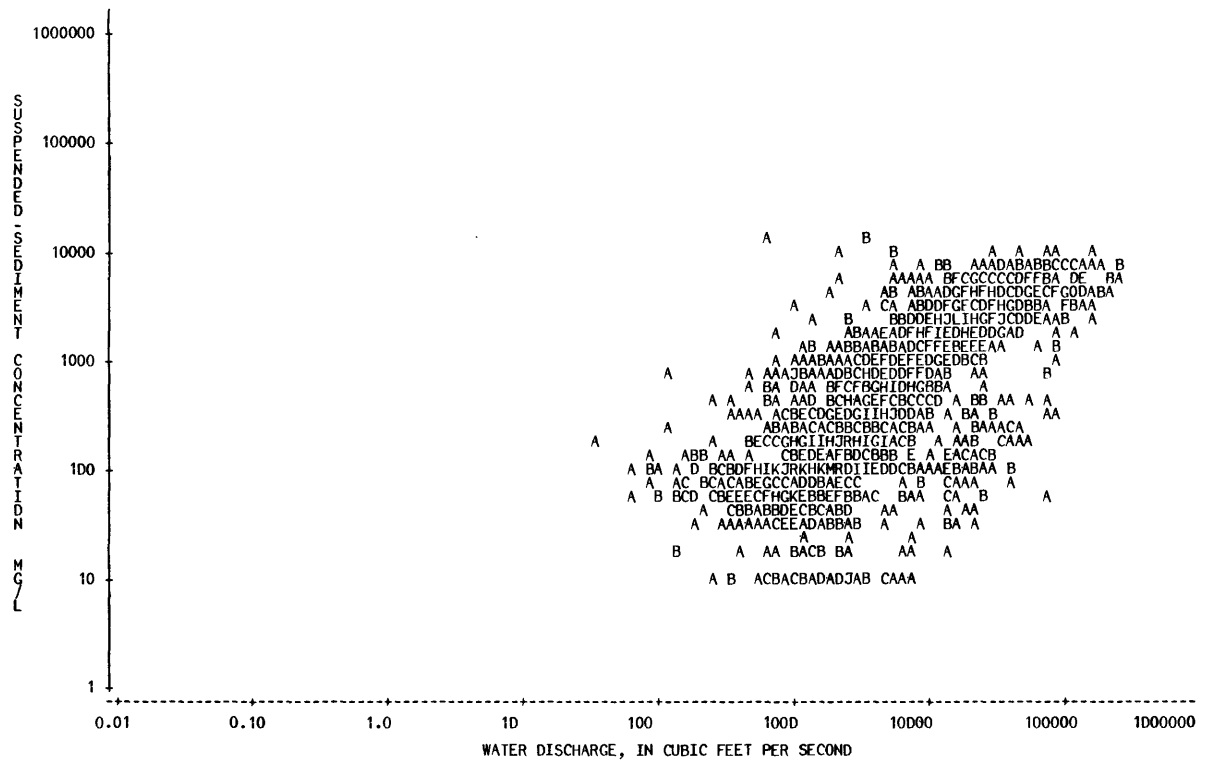
07164500 ARKANSAS RIVER AT TULSA, OKLA.--CONTINUED

143

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-03-02	1200	13600		73	2680
78-03-06	1420	13700		50	A 1850
78-04-11	1600	2920		34	268
78-05-05	1055	1380		20	A 75
78-05-10	1530	8500		104	2390
78-06-15	1030	14500		90	A 3520
78-06-21	1330	10000		254	6860
78-07-17	1415	184		30	A 15
78-07-18	1230	4720		28	357
78-08-09	1430	1210		25	82
78-08-28	1225	143		20	A 7.7
78-09-20	0930	968		33	86
78-09-27	1130	997		100	A 269
78-10-10		127		20	A 6.9
78-10-24	0800	133		54	19
78-11-15	0745	2430		98	643
78-11-28		1150		20	A 62
78-12-27	1700	1900		56	287
79-02-06	1450	341		48	44
79-03-07	0930	10200		331	9120
79-04-18	0930	15900		97	4160
79-05-23	1000	15000		220	8910
79-06-20	0831	2330		168	1060
79-07-11	1200	916		124	307
79-08-22	1200	1000		220	594
79-09-26	0930	2200		67	398
79-10-03	1430	586		114	180
79-11-16	0830	21900		105	6210
79-12-11	1145	9370		104	2630
80-01-15	1330	1250		140	473
80-03-05	1500	7420		22	441
80-04-09	1445	19100		170	A 8770
80-04-11	1100	19400		44	2300
80-04-30	1105	37500		90	A 9110
80-05-07	1510	25100		64	4340
80-07-16	1015	2270		36	221
80-07-23	1045	1290		140	A 488
80-08-21	0930	763		28	58
80-09-08	1125	259		10	A 7.0
80-09-25	1000	105		56	16

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07164500 ARKANSAS RIVER AT TULSA, OKLA.



## ARKANSAS RIVER BASIN

07165500 POLECAT CREEK BELOW HEYBURN LAKE NEAR HEYBURN, OKLA.

LOCATION.--Lat 35°56'42", long 96°17'39", in NW 1/4 NW 1/4 sec.19, T.17 N., R.10 E., Creek County, Hydrologic Unit 11110101, on right bank of outlet channel, 1,100 ft (335 m) downstream from Heyburn Dam, 3.2 mi (5.1 km) upstream from bridge on U.S. Highway 66, 11 mi (17.7 km) southwest of Sapulpa, and at mile 48.4 (77.9 km).

DRAINAGE AREA.--123 mi<sup>2</sup> (319 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-51, 1953-78, 1980.

REMARKS.--Flow regulated since September 1950 by Heyburn Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-02-18			14	100	A 3.8	47-05-13			204	2100	A 1160
44-03-29			44	400	A 48	47-05-16			2420	1700	A 11100
44-04-03			9.0	400	A 9.7	47-06-03			26	600	A 42
44-04-19			4.0	200	A 2.2	47-06-27			21	1600	A 91
44-05-02			892	2300	A 5540	47-07-24			6.0	100	A 1.6
44-05-06			34	600	A 55	47-10-21			1.0	1400	A 3.8
44-05-12			18	700	A 34	47-12-05			4.0	200	A 2.2
44-06-10			5.0	200	A 2.7	48-05-26			109	1600	A 471
44-06-21			8.0	1000	A 22	48-06-03			4.0	1200	A 13
44-09-23			1.0	100	A 0.27	48-06-21			2170	4200	A 24600
44-10-12			1.0	500	A 1.4	48-06-24			372	1400	A 1410
44-11-05			1.0	300	A 0.81	48-07-15			398	3200	A 3440
44-11-13			1.0	400	A 1.1	48-08-04			1.0	400	A 1.1
44-11-24			1.0	400	A 1.1	48-10-14			2.0	300	A 1.6
44-12-13			2.0	300	A 1.6	48-10-29			5.0	400	A 5.4
44-12-29			2.0	200	A 1.1	49-01-23			1200	3200	A 10400
45-01-08			2.0	300	A 1.6	49-02-09			94	600	A 152
45-01-18	0001		2.0	200	A 1.1	49-02-17			53	200	A 29
45-01-26			2.0	200	A 1.1	49-03-09			14	100	A 3.8
45-02-09			2.0	100	A 0.54	49-03-22			57	700	A 108
45-03-03			123	700	A 232	49-05-05			11	200	A 5.9
45-03-15			4420	3100	A 37000	49-05-16			97	1200	A 314
45-04-03			16	300	A 13	49-05-24			600	1800	A 2920
45-04-25			66	500	A 89	49-06-09			154	1800	A 748
45-05-09			11	100	A 3.0	49-06-15			43	900	A 104
45-06-22			51	700	A 96	49-07-15			8.0	500	A 11
45-07-09			3.0	300	A 2.4	49-10-10			126	600	A 204
45-09-25			2020	1800	A 9820	49-10-24			590	1300	A 2070
45-12-12			1.0	300	A 0.81	50-02-13			94	700	A 178
46-01-05			4180	2000	A 22600	50-03-13			8.0	700	A 15
46-01-15			32	100	A 8.6	50-05-17			240	400	A 259
46-02-12			8.0	400	A 8.6	50-07-03			1.0	100	A 0.27
46-02-21			49	300	A 40	50-07-10			455	3800	A 4670
46-03-04			12	100	A 3.2	51-03-12			106	500	A 143
46-03-19			33	200	A 18	51-04-23			17	300	A 14
46-04-23			14	400	A 15	53-04-10			100	300	A 81
46-05-02			664	3600	A 6450	53-04-24			1010	1200	A 3270
46-05-10			78	500	A 105	53-05-12			830	900	A 2020
46-06-05			5.0	200	A 2.7	54-05-01			572	700	A 1080
46-07-01			84	1300	A 295	54-05-03			841	750	A 1700
46-11-04			11	1000	A 30	55-05-24			592	690	A 1100
46-11-06	0001		702	2000	A 3790	55-05-25			403	630	A 686
46-11-06	0002		346	2800	A 2620	55-05-27			187	470	A 237
47-03-13			74	1600	A 320	56-04-16			50	470	A 63
47-03-21			4.0	300	A 3.2	56-04-20			23	70	A 4.3
47-04-04			6.0	300	A 4.9	56-04-21			4.0	50	A 0.54
47-04-08	0001		1845	6700	A 33400	56-06-04			32	200	A 17
47-04-08	0002		1220	5200	A 17100	57-05-03			597	300	A 484
47-04-09			89	2500	A 601	57-05-14			468	420	A 531
47-04-10	0001		4610	4700	A 58500	58-06-26			1700	490	A 2250
47-04-10	0002		4110	4300	A 47700	58-06-27			1610	390	A 1700
47-04-11			159	2500	A 1070	58-06-28			1540	490	A 2040
47-04-28			3470	4200	A 39300	58-07-02			234	240	A 152

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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## ARKANSAS RIVER BASIN

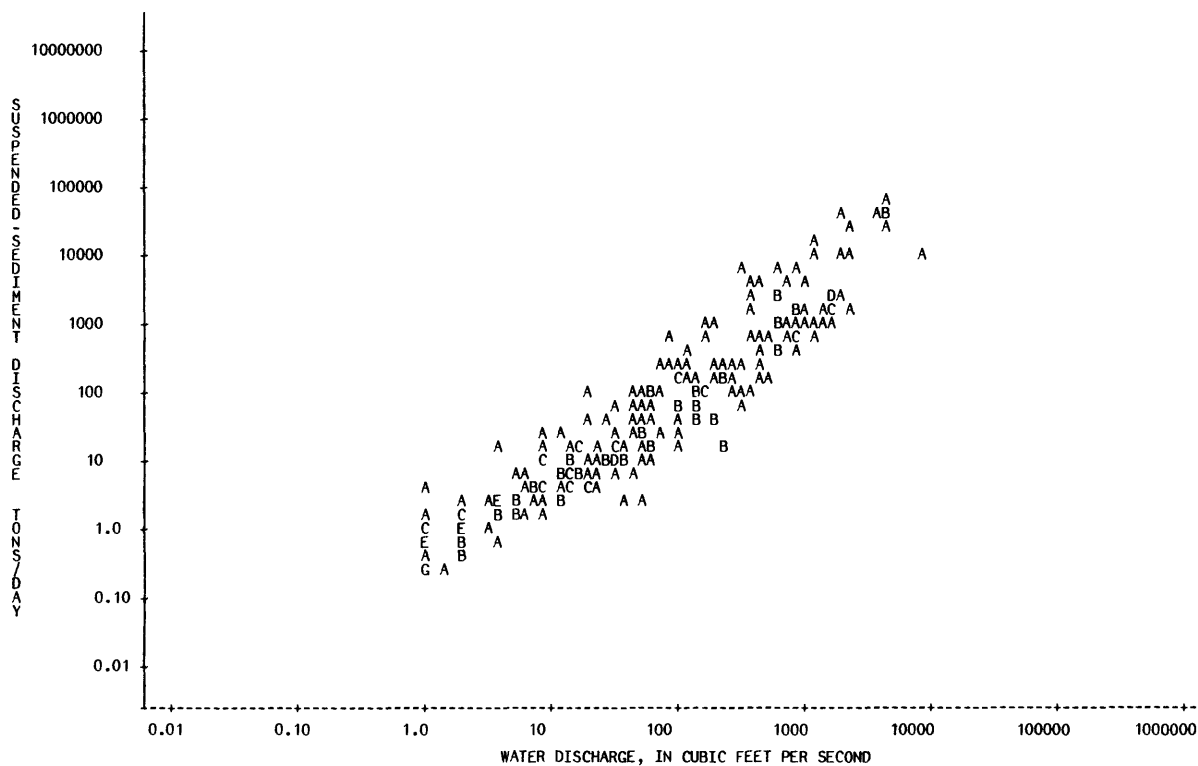
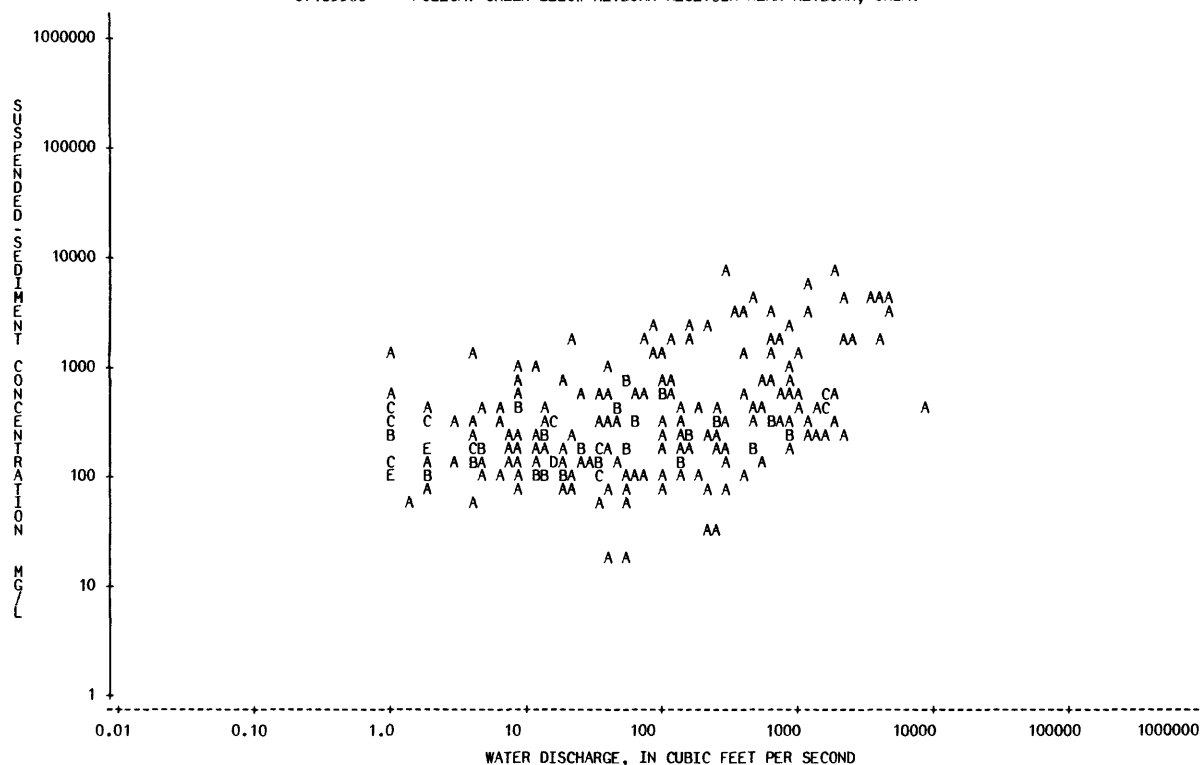
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07165500 POLECAT CREEK BELOW HEYBURN RESERVOIR NEAR HEYBURN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-07-18			130	270	A 95	73-03-16			164	240	A 106
58-08-21			1100	290	A 861	73-04-17			920	210	A 522
59-09-25			297	8000	A 6420	73-10-01			57	90	A 14
59-10-05			1570	220	A 933	73-10-17			40	20	A 2.2
60-04-29			802	200	A 433	73-12-03			51	20	A 2.8
60-05-15			806	300	A 653	74-03-26			38	180	A 18
61-05-16			24	180	A 12	74-06-13			1760	300	A 1430
61-06-02			16	300	A 13	74-06-19			130	200	A 70
61-06-15			1380	270	A 1010	74-08-21			14	210	A 7.9
62-06-08			1610	570	A 2480	74-09-24			23	240	A 15
62-09-04			619	300	A 501	74-10-30			286	160	A 124
63-03-21			20	80	A 4.3	74-11-05			207	250	A 140
63-05-02			36	90	A 8.7	74-11-06			1180	240	A 765
63-05-21			9.0	70	A 1.7	74-11-13			404	100	A 109
63-07-12			731	550	A 1090	74-11-19			58	60	A 9.4
63-07-16			94	180	A 46	74-12-02			18	90	A 4.4
63-08-02			2.0	190	A 1.0	74-12-20			41	70	A 7.7
64-04-06			1660	600	A 2690	75-01-08			143	90	A 35
64-04-07			1610	580	A 2520	75-03-03			52	180	A 25
64-04-08			1000	550	A 1490	75-03-21			103	110	A 31
64-04-15			43	600	A 70	75-04-10			312	150	A 126
64-04-23			13	310	A 11	75-04-22			34	120	A 11
64-05-06			32	290	A 25	75-05-09			52	80	A 11
64-05-11			1030	400	A 1110	75-05-16			464	160	A 200
64-05-18			42	280	A 32	75-06-06			20	180	A 9.7
64-08-19			136	280	A 103	75-06-19			19	120	A 6.2
64-08-31			65	290	A 51	75-08-29			34	60	A 5.5
64-09-11			7.0	240	A 4.5	76-05-04			17	140	A 6.4
64-11-19			859	250	A 580	76-06-01			61	110	A 18
64-12-08			4.0	200	A 2.2	76-08-03			16	140	A 6.0
64-12-23			4.0	140	A 1.5	77-06-02			49	140	A 19
65-01-04			9.0	210	A 5.1	77-09-19			34	170	A 16
65-01-21			4.0	150	A 1.6	77-10-27	1100	311	70		59
65-02-04			9.0	160	A 3.9	77-11-09	1050	9210	490		12200
65-02-18			11	140	A 4.2	77-12-06	1045	231	30		19
65-03-01			9.0	140	A 3.4	77-12-28	1400	247	30		20
65-03-18			7.0	140	A 2.6	78-02-17	1330	1462	380		1500
65-03-30			2.0	130	A 0.70	78-03-16	1530	22	90	A	5.3
65-04-12			15	120	A 4.9	78-04-10	1540	18	90	A	4.4
65-04-22			27	160	A 12	78-05-02	1255	207	80	A	45
65-05-11			95	220	A 56	78-05-23	1530	179	90	A	43
65-05-28			4.0	220	A 2.4	79-10-04	1510	1.3	60	A	0.21
65-06-23			237	300	A 192						
65-08-05			13	180	A 6.3						
65-08-10			3.0	120	A 0.97						
65-08-17			1.0	120	A 0.32						
65-09-02			1.0	120	A 0.32						
65-09-16			1.0	100	A 0.27						
65-09-27			15	140	A 5.7						
65-10-26			2.0	160	A 0.86						
65-11-10			1.0	140	A 0.38						
65-11-26			1.0	90	A 0.24						
65-12-10			1.0	90	A 0.24						
65-12-21			1.0	260	A 0.70						
66-01-06			5.0	130	A 1.8						
66-01-17			2.0	90	A 0.49						
66-02-16			2.0	80	A 0.43						
66-03-02			31	130	A 11						
66-03-17			5.0	110	A 1.5						
66-05-17			259	190	A 133						
66-05-18			528	140	A 200						
66-05-31			7.0	190	A 3.6						
66-06-08			828	550	A 1230						
66-06-10			257	350	A 243						
66-06-13			66	310	A 55						
66-06-27			1.0	300	A 0.81						
67-04-14			549	390	A 578						
67-04-20			314	310	A 263						
67-05-03			6.0	370	A 6.0						
67-05-08			133	420	A 151						
67-05-19			14	240	A 9.1						
67-06-02			11	210	A 6.2						
67-06-23			2.0	420	A 2.3						
67-06-28			27	150	A 11						
67-07-11			1.0	250	A 0.68						
68-02-01			475	180	A 231						
68-05-15			145	140	A 55						
68-06-05			35	130	A 12						
68-07-03			8.0	100	A 2.2						
68-11-20			34	90	A 8.3						
68-12-31			70	110	A 21						
69-02-19			169	240	A 110						
69-03-25			766	340	A 703						
69-03-26			460	330	A 410						
69-10-15			156	200	A 84						
71-09-06			1850	510	A 2550						
71-12-15			2200	220	A 1310						
72-11-03			102	70	A 19						
72-11-16			141	120	A 46						

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07165500 POLECAT CREEK BELOW HEYBURN RESEVOIR NEAR HEYBURN, OKLA.



## ARKANSAS RIVER BASIN

07165570 ARKANSAS RIVER NEAR HASKELL, OKLA.

LOCATION.--Lat 35°49'23", long 95°38'39", in NE 1/4 sec.31, T.16 N., R.16 E., Muskogee County, Hydrologic Unit 11110101, near right bank on downstream side of bridge on State Highway 104, 2 mi (3.2 km) east of Haskell, 23.5 mi (37.8 km) upstream from Verdigris River, and at mile 483.7 (778.3 km).

DRAINAGE AREA.--75,473 mi<sup>2</sup> (195,475 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--1972-78, 1980.

REMARKS.--Flow regulated, since September 1964, by Keystone Lake, 55.1 mi (88.7 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
72-05-15			1490	80	A	322	73-08-07			68	80	A	15
72-06-02			1790	60	A	290	73-08-20			2000	30	A	162
72-06-07			2660	80	A	575	73-09-04			1460	80	A	315
72-06-16			2570	50	A	347	73-09-17			886	30	A	72
72-06-21			2990	50	A	404	73-09-28			19100	570	A	29400
72-06-28			3190	390	A	3360	73-10-05			29600	570	A	45600
72-07-06			2500	40	A	270	73-10-16			85200	2200	A	506000
72-07-12			3180	30	A	258	73-10-19			78300	700	A	148000
72-07-20			3140	30	A	254	73-10-25			62200	1430	A	240000
72-07-27			3450	30	A	279	73-10-26			50800	660	A	90500
72-08-01			2420	40	A	261	73-10-28			20300	150	A	8220
72-08-07			1600	40	A	173	73-11-05			16000	930	A	40200
72-08-14			1390	110	A	413	73-11-13			7530	80	A	1630
72-08-23			1780	40	A	192	73-11-27			13300	180	A	6460
72-08-29			1020	30	A	83	73-12-10			15500	140	A	5860
72-09-05			1320	40	A	143	74-01-14			6450	240	A	4180
72-09-11			3050	30	A	247	74-01-25			6830	210	A	3870
72-09-25			1125	10	A	30	74-02-05			14900	100	A	4020
72-10-05			665	10	A	18	74-02-12			7680	160	A	3320
72-10-11			1150	10	A	31	74-02-25			15200	170	A	6980
72-10-25			1130	80	A	244	74-03-18			37700	610	A	62100
72-11-02			8250	370	A	8240	74-03-25			26800	100	A	7240
72-11-15			5690	270	A	4150	74-04-02			14600	250	A	9860
72-11-28			1970	30	A	160	74-04-09			8230	220	A	4890
73-01-11			12400	3630	A	122000	74-04-17			12700	210	A	7200
73-01-17			4100	90	A	996	74-04-19			8390	70	A	1590
73-01-23			14500	170	A	6660	74-05-06			28500	290	A	22300
73-01-30			13300	310	A	11100	74-05-21			10400	250	A	7020
73-02-05			20800	330	A	18500	74-05-29			33100	630	A	56300
73-02-07			22600	200	A	12200	74-06-10			42900	1300	A	151000
73-02-09			21500	200	A	11600	74-06-24			17600	770	A	36600
73-02-20			9930	100	A	2680	74-07-08			9620	100	A	2600
73-03-08			25200	450	A	30600	74-07-23			2720	40	A	294
73-03-09			21900	380	A	22500	74-08-06			683	20	A	37
73-03-12			43500	710	A	83400	74-08-21			4200	70	A	794
73-03-14			69800	1310	A	247000	74-09-03			15600	560	A	23600
73-03-15			85300	2030	A	468000	74-09-18			2620	80	A	566
73-03-19			66900	1160	A	210000	74-09-23			13800	200	A	7450
73-03-21			42600	2840	A	327000	74-10-08			642	260	A	451
73-03-27			22700	8030	A	492000	74-10-22			1240	90	A	301
73-04-06			79600	7160	A	1540000	74-11-04			62200	4020	A	675000
73-04-10			60900	1120	A	184000	74-11-07			10200	3800	A	105000
73-04-24			20900	190	A	10700	74-11-12			46300	600	A	75000
73-05-08			37400	260	A	26300	74-11-18			28300	380	A	29000
73-05-16			10200	2470	A	68000	74-12-17			6870	70	A	1300
73-05-17			2350	40	A	254	74-12-31			13700	50	A	1850
73-05-18			1690	30	A	137	75-01-15			12300	80	A	2660
73-05-21			37900	90	A	9210	75-01-27			6340	2580	A	44200
73-05-30			15000	540	A	21900	75-02-10			26100	260	A	18300
73-06-18			3570	50	A	482	75-02-27			25100	160	A	10800
73-06-27			2310	40	A	249	75-03-10			28900	340	A	26500
73-07-10			703	20	A	38	75-03-25			19600	2410	A	128000
73-07-24			2920	110	A	867	75-04-08			13900	1370	A	51400

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



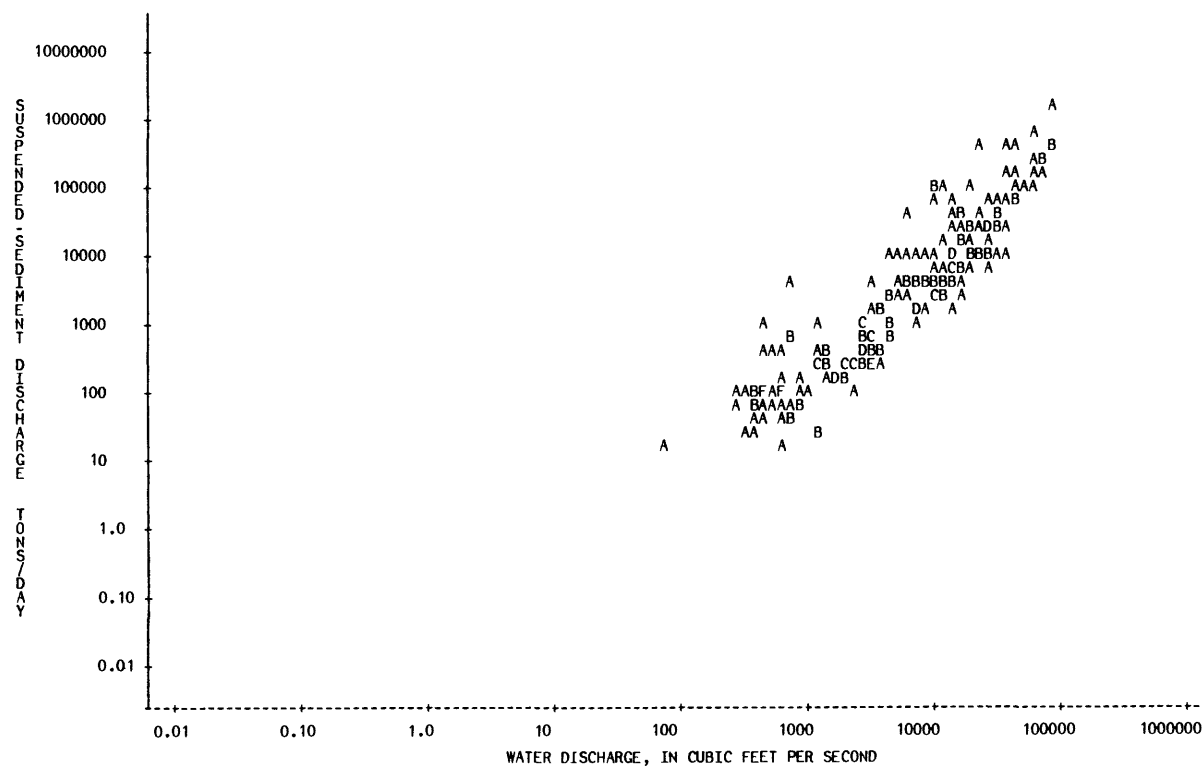
## ARKANSAS RIVER BASIN

07165570 ARKANSAS RIVER NEAR HASKELL, OKLA.--CONTINUED

149

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-04-21			9700	130	A 3400	80-02-04	1200	3390	60	A 549	
75-05-08			10800	3350	A 97700	80-02-21	1140	3200	30	A 259	
75-05-28			30900	290	A 24200	80-02-25	1315	637	70	A 120	
75-06-04			46700	570	A 71900	80-03-11	1210	3060	40	A 330	
75-06-16			56600	680	A 104000	80-03-25	1130	3300	150	A 1340	
75-06-24			34400	410	A 38100	80-04-01	1050	12900	250	A 8710	
75-07-01			17000	60	A 2750	80-04-11	1215	17100	90	A 4160	
75-07-21			2320	20	A 125	80-04-29	1205	29600	120	A 9590	
75-08-05			3050	30	A 247	80-05-01	1210	36300	1460	A 143000	
75-08-22			2810	130	A 986	80-05-12	1215	6980	80	A 1510	
75-09-02			13200	330	A 11800	80-05-22	1240	28700	140	A 10800	
75-09-18			5560	200	A 3000	80-05-27	1205	9900	310	A 8290	
75-09-23			451	960	A 1170	80-06-10	1205	4550	190	A 2330	
75-10-07			493	270	A 359	80-06-18	1200	35200	3860	A 367000	
75-10-21			432	330	A 385	80-06-30	1205	12800	80	A 2760	
75-11-04			572	60	A 93	80-07-16	1205	3500	50	A 473	
75-11-19			408	70	A 77	80-08-12	1155	826	30	A 67	
75-12-03			1810	60	A 293	80-09-08	1130	2650	180	A 1290	
75-12-16			721	2460	A 4790						
75-12-29			649	110	A 193						
76-01-12			837	70	A 158						
76-01-27			365	70	A 69						
76-02-10			391	40	A 42						
76-02-23			632	30	A 51						
76-03-11			1810	60	A 293						
76-03-23			450	80	A 97						
76-04-07			4360	190	A 2240						
76-04-21			13800	1520	A 56600						
76-04-27			7400	570	A 11400						
76-05-11			6000	170	A 2750						
76-05-24			6820	110	A 2030						
76-06-09			3750	140	A 1420						
76-06-23			2600	60	A 421						
76-07-08			12300	140	A 4650						
76-07-21			9960	140	A 3760						
76-08-03			5050	330	A 4500						
76-08-17			514	60	A 83						
76-08-31			407	100	A 110						
76-09-15			1280	140	A 484						
76-09-27			619	70	A 117						
76-10-06			1440	130	A 505						
76-10-19			402	80	A 87						
76-11-03			1200	380	A 1230						
76-11-15			700	320	A 605						
76-11-30			568	70	A 107						
76-12-13			468	100	A 126						
76-12-27			273	100	A 74						
77-01-25			551	50	A 74						
77-02-08			304	150	A 123						
77-02-22			288	130	A 101						
77-03-10			386	50	A 52						
77-03-22			315	30	A 26						
77-04-05			348	30	A 28						
77-04-19			471	40	A 51						
77-05-03			829	40	A 90						
77-05-24			25800	970	A 67600						
77-06-03			29600	350	A 28000						
77-06-14			13100	110	A 3890						
77-06-21			2560	50	A 346						
77-07-08			18400	150	A 7450						
77-07-19			4070	80	A 879						
77-08-02			706	30	A 57						
77-08-16			636	50	A 86						
77-08-29			22500	770	A 46800						
77-09-13			16200	350	A 15300						
77-09-27			703	360	A 683						
77-10-12	1155		4500	60	A 729						
77-10-27	1120	1110		80	A 240						
77-11-08	1150	441		70	A 83						
77-11-22	1345	3690		180	A 1790						
77-12-06	1200	619		40	A 67						
77-12-20	1145	357		90	A 87						
78-02-14	1240	4560		670	A 8250						
78-02-28	1140	3380		70	A 639						
78-03-06	1210	12500		130	A 4390						
78-03-20	1140	6940		50	A 937						
78-04-05	1145	8230		180	A 4000						
78-04-18	1225	6498		470	A 8250						
78-05-02	1115	5540		830	A 12400						
78-05-16	1155	3220		70	A 609						
78-05-31	1250	18800		520	A 26400						
78-06-13	1225	16900		300	A 13700						
78-06-20	1300	11600		540	A 16900						
78-07-03	1205	9620		120	A 3120						
78-07-19	1225	2580		50	A 348						
78-08-01	1410	428		110	A 127						
78-08-16	1340	1610		40	A 174						
78-08-29	1225	409		90	A 99						
78-09-22	1140	655		60	A 106						

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07165600 ARKANSAS RIVER NEAR TULLAHASSEE, OKLA.

LOCATION.--Lat 35°48'15", long 95°24'10", in NW 1/4 SE 1/4 sec.4, T.15 N., R.18 E., Muskogee County, Hydrologic Unit 11110101, 1.3 mi (2.1 km) downstream from Pecan Creek, 3.0 mi (4.8 km) southeast of Tullahassee, 4.5 mi (7.2 km) northwest of Muskogee, 6.5 mi (10.5 km) upstream from Verdigris River, and at mile 466.7 (750.9 km).

DRAINAGE AREA.--75,815 mi<sup>2</sup> (196,361 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) is probably noncontributing.

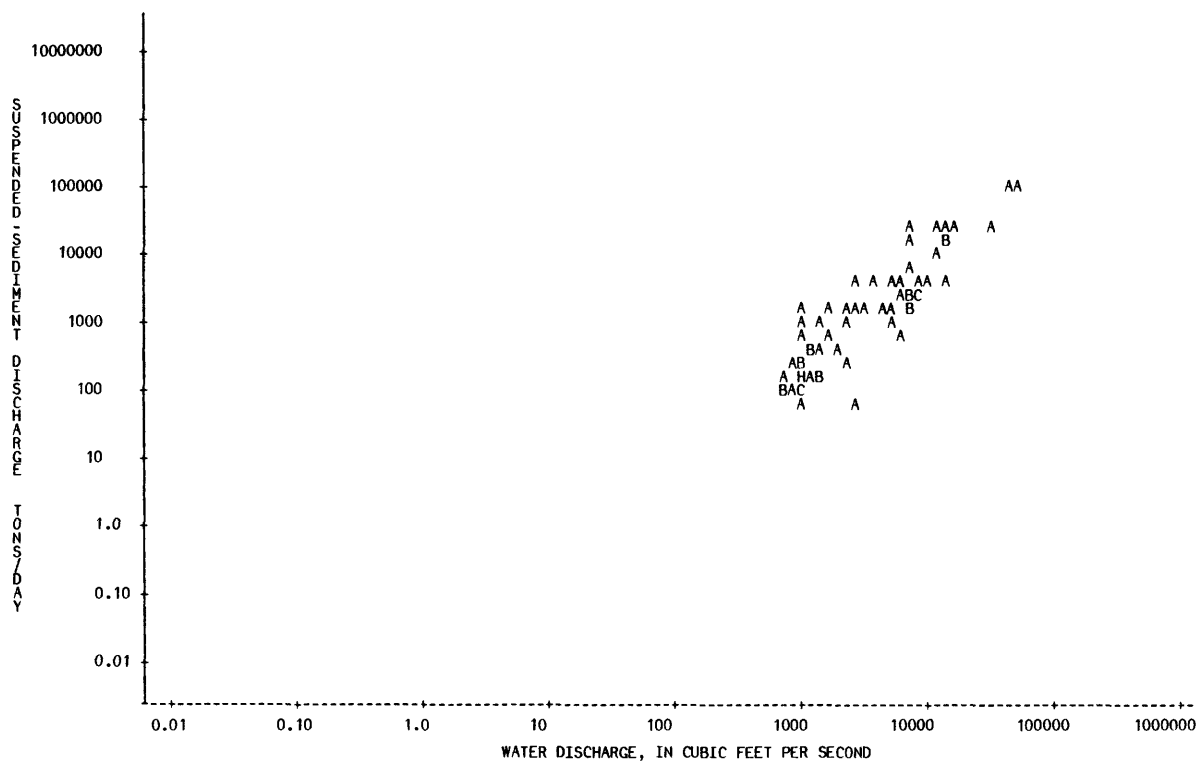
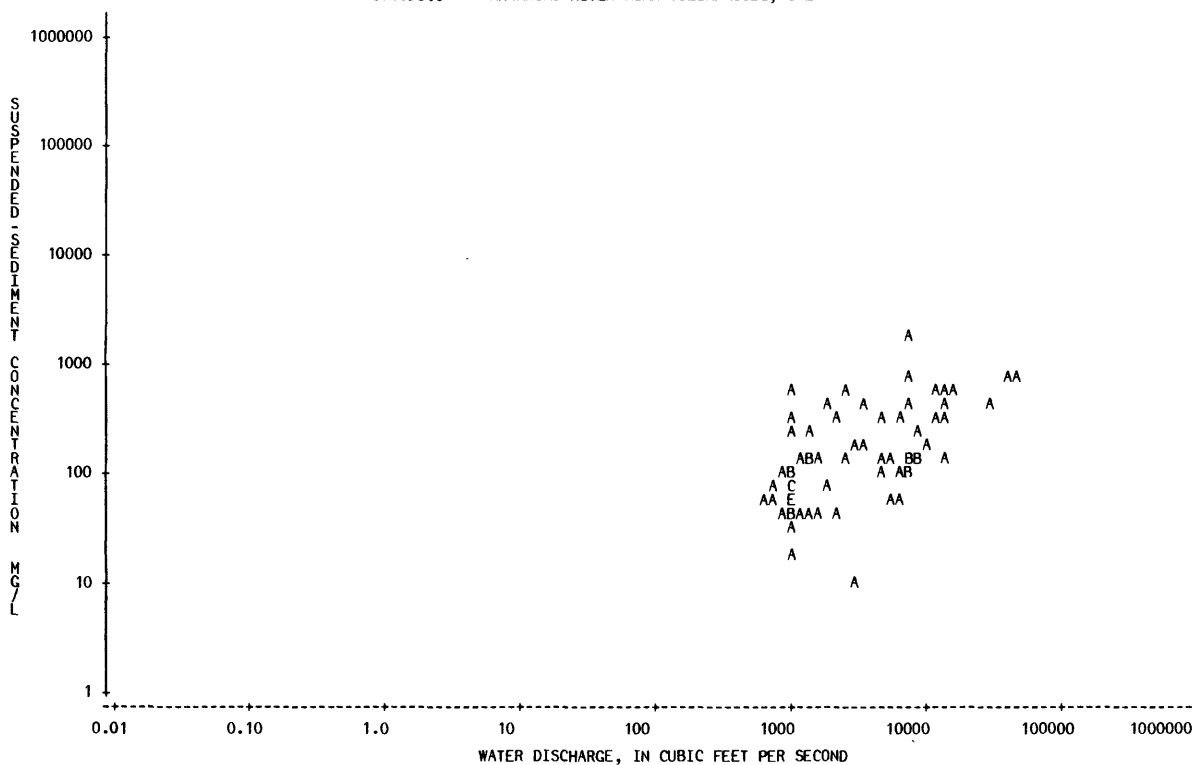
PERIOD OF RECORD.--Water years 1969-72.

REMARKS.--Flow regulated, since September 1964, by Keystone Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-09-29			10200	180	A 4960	71-10-14			5020	120	A 1630
69-10-08			5670	150	A 2300	71-10-22			14300	460	A 17800
69-10-17			4600	110	A 1370	71-11-01			1490	40	A 161
69-10-31			8350	130	A 2930	71-11-16			1040	40	A 112
69-11-13			2560	640	A 4420	71-12-01			7080	90	A 1720
69-11-25			1010	30	A 82	71-12-22			13200	140	A 4990
69-12-09			1040	520	A 1460	72-01-11			6960	110	A 2070
69-12-16			897	40	A 97	72-01-25			988	90	A 240
70-01-16			3360	200	A 1810	72-02-01			1000	110	A 297
70-01-27			977	40	A 106	72-02-16			1340	40	A 145
70-02-10			855	100	A 231	72-02-29			1010	50	A 136
70-03-09			1040	330	A 927	72-03-14			1010	70	A 191
70-03-25			941	230	A 584	72-03-29			1023	50	A 138
70-04-09			16800	600	A 27200	72-04-11			1040	60	A 168
70-04-14			12600	310	A 10500	72-04-25			1270	120	A 411
70-04-16			6690	110	A 1990	72-05-11			1560	130	A 548
70-04-21			42700	730	A 84200						
70-04-23			48600	860	A 113000						
70-04-28			29400	390	A 31000						
70-05-05			13900	610	A 22900						
70-05-21			7860	150	A 3180						
70-06-03			4900	320	A 4230						
70-06-17			13300	360	A 12900						
70-07-01			6880	400	A 7430						
70-07-13			1830	70	A 346						
70-07-29			5920	50	A 799						
70-08-12			959	20	A 52						
70-08-24			977	50	A 132						
70-09-22			753	70	A 142						
70-10-19			5370	60	A 870						
70-10-28			7470	830	A 16700						
70-11-12			2320	40	A 251						
70-11-23			1220	140	A 461						
70-12-14			2140	310	A 1790						
70-12-28			711	50	A 96						
71-01-20			2770	10	A 75						
71-02-01			1220	40	A 132						
71-02-17			671	60	A 109						
71-03-16			6430	280	A 4860						
71-04-05			1420	250	A 959						
71-04-27			940	70	A 178						
71-05-11			1360	130	A 477						
71-05-28			2750	180	A 1340						
71-06-11			7990	220	A 4750						
71-06-24			7470	1580	A 31900						
71-07-15			7430	120	A 2410						
71-08-05			1740	400	A 1880						
71-08-17			1030	60	A 167						
71-08-31			1040	70	A 197						
71-09-08			12300	630	A 20900						
71-09-27			3560	490	A 4710						
71-09-28			2450	130	A 860						
71-10-05			8230	130	A 2890						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07165600 ARKANSAS RIVER NEAR TULLAHASSEE, OKLA.



## ARKANSAS RIVER BASIN

07165700 VERDIGRIS RIVER NEAR MADISON, KANS.

LOCATION.--Lat 38°08'15", long 96°06'15", in NW 1/4 SW 1/4 sec.16, T.22 S., R.12 E., Greenwood County, Hydrologic Unit 11070101, on downstream side of bridge on State Highway 57, 1.5 mi (2.41 km) upstream from Halderman Creek, and at mile 321.9 (517.9 km).

DRAINAGE AREA.--181 mi<sup>2</sup> (469 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1956-77.

REMARKS.--Initial upstream floodwater-retarding structure was completed in January 1962. The remaining construction was completed in August 1971, with 102 mi<sup>2</sup> (264 km<sup>2</sup>) of the drainage area above the station controlled. Bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
56-05-09			36	70	A	58-12-29			21	350	A
56-05-31			11	110	A	59-01-07			18	220	A
56-07-09			2.0	40	A	59-01-14			70	180	A
57-03-25			543	1680	A	59-01-26			59	70	A
57-03-26			65	330	A	59-02-09			49	150	A
57-03-29			18	70	A	59-02-18			75	110	A
57-04-02			54	80	A	59-03-04			39	110	A
57-04-03			6030	5100	A	59-03-10			63	70	A
57-04-04			5850	5100	A	59-03-23			31	110	A
57-04-15			41	100	A	59-03-30			50	180	A
57-04-23			2290	2170	A	59-04-06			49	230	A
57-05-02			69	110	A	59-04-13			320	250	A
57-06-10			84	120	A	59-04-20			118	140	A
57-07-02			51	90	A	59-05-13			31	70	A
57-07-24			12	80	A	59-05-17			3360	4660	A
57-09-23			19	110	A	59-05-18			276	530	A
57-10-01			3.0	100	A	59-06-01			37	150	A
57-10-15			151	90	A	59-06-15			13	120	A
57-10-28			33	160	A	59-06-29			12	140	A
57-11-12			31	240	A	59-07-15			3010	1670	A
57-11-13			263	340	A	59-07-30			30	110	A
57-11-25			50	240	A	59-08-11			8.0	120	A
57-12-09			29	220	A	59-08-31			16	30	A
58-01-06			25	70	A	59-09-14			5.0	110	A
58-02-04			88	120	A	59-10-01			40	270	A
58-02-19			28	150	A	59-10-26			48	90	A
58-02-27			72	100	A	59-11-06			46	50	A
58-03-07			2090	3220	A	59-11-24			29	40	A
58-03-19			377	200	A	59-12-07			22	60	A
58-04-07			140	100	A	59-12-28			200	130	A
58-04-11			208	120	A	60-01-04			60	180	A
58-04-22			81	110	A	60-01-15			308	420	A
58-05-08			57	120	A	60-01-21			97	50	A
58-05-15			34	60	A	60-01-27			273	140	A
58-06-02			12	100	A	60-02-03			97	50	A
58-06-13			88	420	A	60-02-15			109	30	A
58-07-02			27	100	A	60-02-29			65	60	A
58-07-11			1470	1530	A	60-03-18			135	70	A
58-07-16			18400	1470	A	60-03-21			985	490	A
58-07-17			3200	1620	A	60-03-22			2300	810	A
58-07-24			118	90	A	60-03-30			540	340	A
58-07-25			505	1160	A	60-04-08			112	160	A
58-08-08			27	170	A	60-04-19			69	90	A
58-08-25			13	120	A	60-05-04			47	390	A
58-09-02			18	130	A	60-05-23			21	100	A
58-09-22			42	60	A	60-06-06			103	480	A
58-10-02			17	130	A	60-06-13			119	360	A
58-10-10			10.0	130	A	60-06-27			20	150	A
58-10-27			6.0	200	A	60-07-11			9.0	70	A
58-11-10			4.0	40	A	60-07-26			11	120	A
58-11-18			250	720	A	60-08-09			4.0	90	A
58-12-01			38	270	A	60-08-18			133	270	A
58-12-11			22	240	A	60-09-07			9.0	50	A

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07165700 VERDIGRIS RIVER NEAR MADISON, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-10-03			6.0	100	A	63-07-25			1.0	40	A
60-10-14			2900	2340	A	63-08-06			1.0	60	A
60-10-18			28	110	A	63-08-19			1.0	100	A
60-10-27			217	200	A	63-09-03			3.0	80	A
60-11-01			254	140	A	63-11-29			1.0	70	A
60-11-14			57	100	A	64-01-03			1.0	120	A
60-11-28			33	130	A	64-01-13			1.0	150	A
60-12-09			30	50	A	64-01-31			1.0	40	A
60-12-14			130	80	A	64-02-10			1.0	80	A
60-12-27			60	120	A	64-02-25			1.0	70	A
61-01-23			21	230	A	64-03-09			1.0	80	A
61-01-30			18	80	A	64-03-17			3.0	80	A
61-02-13			46	50	A	64-03-23			1.0	50	A
61-02-18			953	2120	A	64-04-07			55	220	A
61-02-23			432	680	A	64-04-13			15	30	A
61-03-09			74	120	A	64-04-17			9.0	10	A
61-03-20			891	350	A	64-04-21			137	190	A
61-03-27			2340	2020	A	64-04-23			560	1900	A
61-04-03			170	70	A	64-04-28			36	50	A
61-04-11			362	150	A	64-05-12			10.0	130	A
61-04-12			1620	560	A	64-05-18			6.0	180	A
61-05-22			2500	2100	A	64-05-28			145	180	A
61-05-31			69	50	A	64-06-05			156	260	A
61-06-08			542	1610	A	64-06-08			1970	600	A
61-06-19			43	90	A	64-06-15			2340	3170	A
61-07-07			13	50	A	64-06-22			33	50	A
61-07-21			10400	1740	A	64-06-23			47	140	A
61-07-24			339	430	A	64-06-30			13	30	A
61-08-07			35	60	A	64-07-10			4.0	90	A
61-08-24			15	90	A	64-07-22			1.0	80	A
61-09-06			33	70	A	64-08-31			3.0	30	A
61-09-13			8550	1050	A	64-09-11			1160	2110	A
61-10-02			40	30	A	64-09-23			3.0	40	A
61-10-10			7130	1880	A	64-10-06			1.0	20	A
61-10-19			78	60	A	64-10-13			1.0	30	A
61-11-02			4310	530	A	64-10-26			521	620	A
61-11-07			160	140	A	64-11-03			8.0	20	A
61-11-16			3040	390	A	64-11-04			736	960	A
61-11-27			139	70	A	64-11-09			56	70	A
61-12-12			64	20	A	64-11-16			5210	990	A
62-01-10			69	40	A	64-11-19			700	320	A
62-02-01			1330	430	A	64-12-10			118	250	A
62-02-12			131	20	A	64-12-22			53	70	A
62-02-15			2520	2200	A	65-01-04			54	20	A
62-03-01			85	80	A	65-01-18			28	20	A
62-03-08			66	50	A	65-02-02			25	110	A
62-04-02			69	50	A	65-02-16			43	160	A
62-04-10			54	40	A	65-03-01			468	1190	A
62-04-26			30	50	A	65-03-08			97	150	A
62-05-07			21	50	A	65-03-17			2650	3490	A
62-05-24			7.0	40	A	65-03-29			78	130	A
62-05-29			945	2550	A	65-04-08			185	160	A
62-05-31			637	1690	A	65-06-01			259	1350	A
62-06-01			2100	1930	A	65-06-05			11200	1780	A
62-06-12			201	200	A	65-06-07			1000	400	A
62-06-19			52	120	A	65-06-09			4980	3050	A
62-07-10			38	150	A	65-07-06			38	220	A
62-07-24			18	80	A	65-07-26			20	10	A
62-08-06			54	100	A	65-08-09			4.0	10	A
62-08-13			9.0	60	A	65-08-19			28	10	A
62-08-23			4.0	80	A	65-08-23			69	210	A
62-09-05			105	990	A	65-09-01			427	1420	A
62-09-18			27	110	A	65-09-07			520	340	A
62-09-22			11000	2170	A	65-09-21			1700	550	A
62-09-27			154	210	A	65-10-01			66	10	A
62-10-02			116	160	A	65-10-20			22	10	A
62-10-15			57	130	A	65-11-01			17	10	A
62-10-30			61	130	A	65-11-12			14	10	A
62-11-19			26	150	A	65-11-23			12	10	A
62-11-27			496	270	A	65-11-30			10.0	10	A
62-12-03			65	150	A	65-12-13			11	10	A
62-12-20			38	150	A	65-12-27			75	110	A
63-01-14			59	190	A	66-01-10			36	50	A
63-01-24			28	80	A	66-01-27			17	10	A
63-01-28			29	110	A	66-02-08			124	120	A
63-02-01			27	90	A	66-02-09			867	1670	A
63-02-11			32	60	A	66-02-21			41	10	A
63-02-25			27	110	A	66-03-09			27	10	A
63-03-06			105	150	A	66-03-21			34	50	A
63-03-14			128	100	A	66-04-04			21	50	A
63-03-25			59	140	A	66-04-12			328	1200	A
63-04-19			24	120	A	66-04-18			53	90	A
63-05-06			17	40	A	66-05-03			167	100	A
63-05-20			12	140	A	66-05-16			46	90	A
63-05-29			27	70	A	66-06-07			10.0	110	A
63-06-11			5.0	60	A	66-06-20			7.0	70	A
63-06-18			17	70	A	66-06-30			2.0	40	A
63-07-05			3.0	80	A	66-07-13			1.0	60	A
63-07-19			2.0	50	A	66-08-16			2.0	30	A

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
66-09-20			1.0	40	A	0.11	69-11-24		35	40	A	3.8
66-12-15			0.33	90	A	0.08	69-12-08		94	30	A	7.6
66-12-29			1.1	140	A	0.42	69-12-29		81	30	A	6.6
67-01-10			1.1	70	A	0.21	70-01-12		34	50	A	4.6
67-01-19			1.1	110	A	0.33	70-01-26		83	40	A	9.0
67-01-30			3.4	120	A	1.1	70-02-09		29	40	A	3.1
67-02-13			0.62	60	A	0.10	70-02-24		23	20	A	1.2
67-02-27			0.53	110	A	0.16	70-03-09		31	50	A	4.2
67-03-13			0.60	110	A	0.18	70-03-20		55	40	A	5.9
67-03-31			0.21	110	A	0.06	70-04-01		3730	2270	A	22900
67-04-13			9.2	220	A	5.5	70-04-13		121	160	A	52
67-04-24			0.48	70	A	0.09	70-04-22		528	200	A	285
67-05-06			2.4	110	A	0.71	70-05-04		130	60	A	21
67-05-17			0.26	90	A	0.06	70-05-18		44	70	A	8.3
67-05-29			85	500	A	115	70-06-02		35	80	A	7.6
67-06-15			5.1	50	A	0.69	70-06-15		278	220	A	165
67-06-21			11700	3000	A	94800	70-07-01		46	90	A	11
67-06-22			1050	700	A	1980	70-07-13		30	140	A	11
67-07-03			70	120	A	23	70-07-27		5.0	130	A	1.8
67-07-17			17	120	A	5.5	70-08-10		4.0	110	A	1.2
67-07-31			19	90	A	4.6	70-08-24		3.0	110	A	0.89
67-08-07			258	350	A	244	70-09-10		1.0	80	A	0.22
67-08-24			6.0	90	A	1.5	70-09-24		226	190	A	116
67-09-05			145	120	A	47	70-10-01		22	20	A	1.2
67-09-22			101	100	A	27	70-10-07		706	520	A	991
67-10-02			46	50	A	6.2	70-10-15		92	40	A	9.9
67-10-09			436	100	A	118	70-10-26		54	40	A	5.8
67-10-23			57	30	A	4.6	70-11-09		26	60	A	4.2
67-11-06			87	20	A	4.7	70-11-25		16	50	A	2.2
67-11-21			35	30	A	2.8	70-12-07		12	80	A	2.6
67-12-18			71	60	A	12	70-12-21		21	90	A	5.1
68-01-04			35	100	A	9.4	71-01-05		481	180	A	234
68-01-15			26	120	A	8.4	71-01-18		51	130	A	18
68-01-29			37	30	A	3.0	71-02-01		31	150	A	13
68-02-12			22	50	A	3.0	71-02-17		50	30	A	4.0
68-02-26			21	60	A	3.4	71-03-01		402	140	A	152
68-03-11			12	50	A	1.6	71-03-15		81	100	A	22
68-03-25			10.0	90	A	2.4	71-04-01		34	110	A	10
68-04-08			18	60	A	2.9	71-04-12		21	150	A	8.5
68-04-22			298	350	A	282	71-04-28		42	80	A	9.1
68-04-23			1070	1350	A	3900	71-05-11		52	150	A	21
68-05-06			39	120	A	13	71-05-25		97	160	A	42
68-05-20			28	100	A	7.6	71-06-03		1210	810	A	2650
68-05-23			638	900	A	1550	71-06-10		2550	2140	A	14700
68-05-27			387	210	A	219	71-06-11		1630	1150	A	5060
68-06-10			47	140	A	18	71-06-17		125	170	A	57
68-06-26			77	140	A	29	71-06-28		21	170	A	9.6
68-07-09			38	130	A	13	71-07-13		103	160	A	44
68-07-18			196	400	A	212	71-07-23		204	480	A	264
68-07-25			5610	1620	A	24500	71-08-02		64	80	A	14
68-07-26			4790	1010	A	13100	71-08-13		31	80	A	6.7
68-08-05			566	100	A	153	71-08-30		5.0	100	A	1.4
68-08-19			226	110	A	67	71-09-14		3.0	110	A	0.89
68-09-04			19	120	A	6.2	71-10-01		2.0	120	A	0.65
68-09-17			7.0	130	A	2.5	71-10-15		1.0	150	A	0.41
68-10-01			6.0	110	A	1.8	71-11-01		10.0	130	A	3.5
68-10-09			43	110	A	13	71-11-17		54	80	A	12
68-10-17			688	620	A	1150	71-11-29		11	90	A	2.7
68-10-31			24	150	A	9.7	71-12-15		1310	790	A	2790
68-11-12			91	120	A	29	72-01-03		49	70	A	9.3
68-11-15			2650	740	A	5290	72-01-17		23	50	A	3.1
68-12-02			74	50	A	10	72-01-31		15	180	A	7.3
68-12-16			32	40	A	3.5	72-02-14		213	250	A	144
68-12-19			740	420	A	839	72-02-28		22	160	A	9.5
68-12-30			117	100	A	32	72-03-13		12	150	A	4.9
69-01-13			48	40	A	5.2	72-03-27		50	190	A	26
69-02-03			67	50	A	9.0	72-04-06		9.0	120	A	2.9
69-02-17			58	60	A	9.4	72-04-20		10.0	110	A	3.0
69-03-03			78	40	A	8.4	72-04-21		1280	2070	A	7150
69-03-17			287	180	A	139	72-05-01		3560	40	A	384
69-03-24			2630	1060	A	7530	72-05-08		173	60	A	28
69-04-02			129	100	A	35	72-05-19		53	70	A	10
69-04-17			1610	1950	A	8480	72-05-31		22	80	A	4.8
69-05-05			129	110	A	38	72-06-12		4.0	120	A	1.3
69-05-19			90	110	A	27	72-06-26		200	920	A	497
69-06-03			622	300	A	504	72-07-12		9230	2680	A	66800
69-06-16			138	150	A	56	72-07-13		1570	610	A	2590
69-06-24			7360	1410	A	28000	72-07-18		2890	1210	A	9440
69-07-09			67	10	A	1.8	72-07-26		51	100	A	14
69-07-22			23	150	A	9.3	72-08-09		18	90	A	4.4
69-08-04			7.0	140	A	2.6	72-08-22		7.0	90	A	1.7
69-08-18			5.0	150	A	2.0	72-09-05		23	70	A	4.3
69-09-02			2.0	160	A	0.86	72-09-18		5.0	20	A	0.27
69-09-15			23	190	A	12	72-10-03		2.0	60	A	0.32
69-10-01			10.0	60	A	1.6	72-10-16		1.0	60	A	0.16
69-10-14			256	170	A	118	72-10-31		2.0	100	A	0.54
69-10-27			67	70	A	13	72-11-13		1.0	60	A	0.16
69-10-30			1600	650	A	2810	72-11-27		61	20	A	3.3
69-11-10			75	50	A	10	72-12-11		18	40	A	1.9

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

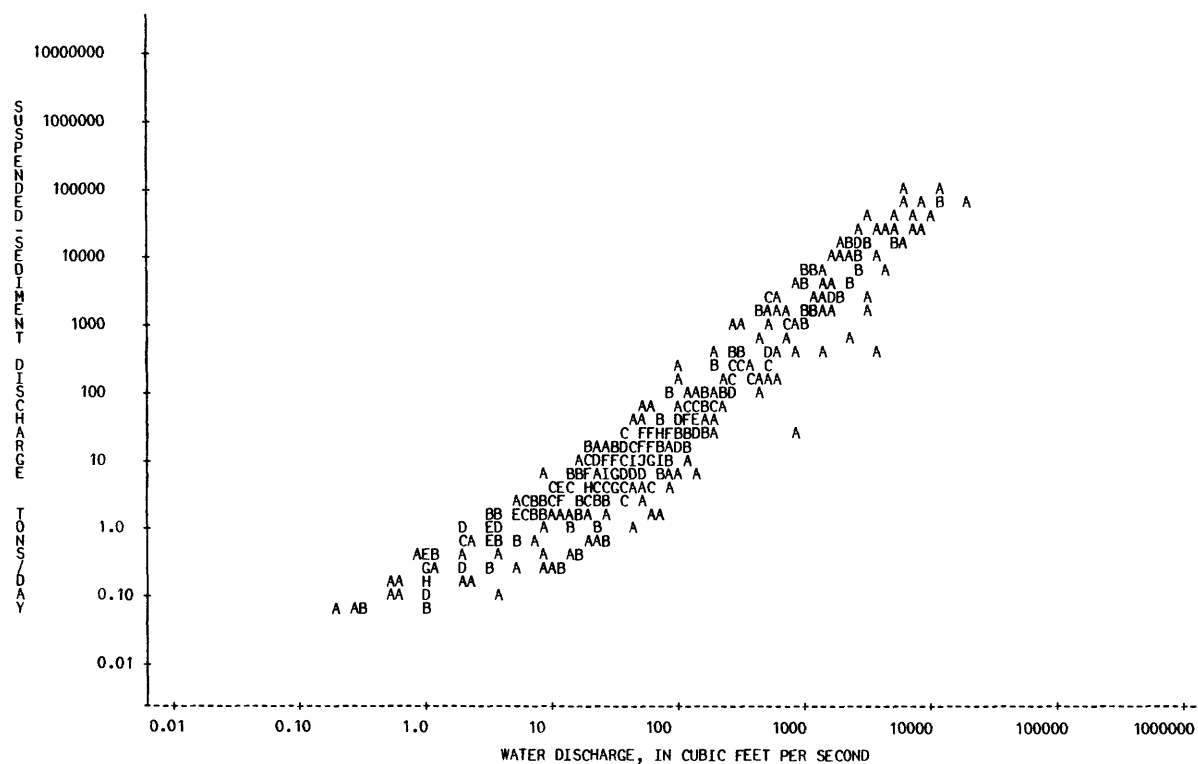
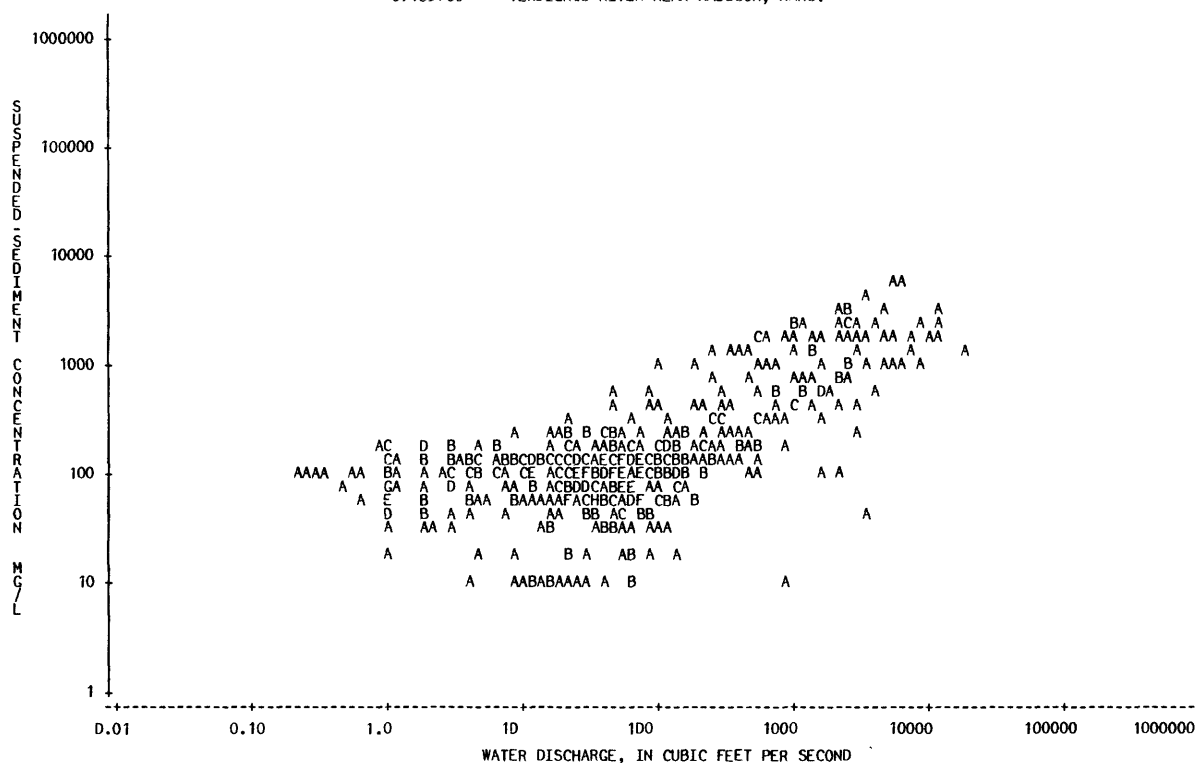
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-01-02			96	50	A	13					
73-01-17			516	290	A	404					
73-01-30			185	60	A	30					
73-02-01			3460	1130	A	10600					
73-02-14			116	50	A	16					
73-03-01			65	60	A	11					
73-03-05			1560	340	A	1430					
73-03-09			2010	490	A	2660					
73-03-19			208	90	A	51					
73-04-02			414	160	A	179					
73-04-16			1250	530	A	1790					
73-05-02			162	130	A	57					
73-05-14			51	120	A	17					
73-05-22			4330	1810	A	21200					
73-05-29			102	190	A	52					
73-06-11			45	100	A	12					
73-06-25			12	100	A	3.2					
73-07-16			3.0	70	A	0.57					
73-07-31			2.0	170	A	0.92					
73-08-14			1.0	70	A	0.19					
73-08-28			1.0	40	A	0.11					
73-09-11			2.0	80	A	0.43					
73-09-24			307	300	A	249					
73-09-25			1210	510	A	1670					
73-09-28			2940	210	A	1670					
73-10-05			283	360	A	275					
73-10-11			5950	890	A	14300					
73-10-15			1510	100	A	408					
73-10-30			850	10	A	23					
73-12-03			65	90	A	16					
74-01-15			68	30	A	5.5					
74-01-29			113	60	A	18					
74-02-20			44	30	A	3.6					
74-03-13			543	180	A	264					
74-04-03			60	70	A	11					
74-04-24			50	90	A	12					
74-05-13			30	80	A	6.5					
74-06-04			30	90	A	7.3					
74-06-10			260	280	A	197					
74-06-25			21	130	A	7.4					
74-07-23			1.0	180	A	0.49					
74-08-07			1.0	170	A	0.46					
74-08-16			48	620	A	80					
74-08-21			55	170	A	25					
74-09-05			887	190	A	455					
74-09-23			25	80	A	5.4					
74-10-01			15	130	A	5.3					
74-10-23			17	230	A	11					
74-11-07			516	130	A	181					
74-11-27			59	160	A	25					
74-12-19			107	70	A	20					
75-01-07			250	140	A	94					
75-01-24			77	130	A	27					
75-02-04			954	400	A	1030					
75-02-25			2230	110	A	662					
75-03-24			122	130	A	43					
75-04-13			21	90	A	5.1					
75-05-01			95	110	A	28					
75-05-23			977	1630	A	4300					
75-06-03			1350	1190	A	4340					
75-06-17			2140	870	A	5030					
75-07-09			26	80	A	5.6					
75-07-24			6.0	150	A	2.4					
75-08-11			5.0	140	A	1.9					
75-09-04			4.0	60	A	0.65					
75-10-01			5.0	160	A	2.2					
75-10-20			1.0	190	A	0.51					
75-11-05			2.0	170	A	0.92					
75-11-24			3.0	170	A	1.4					
75-12-22			4.0	60	A	0.65					
76-01-12			3.0	150	A	1.2					
76-01-28			4.0	150	A	1.6					
76-02-09			3.0	140	A	1.1					
76-03-02			2.0	130	A	0.70					
76-03-25			2.0	160	A	0.86					
76-04-12			1.0	90	A	0.24					
76-04-28			2610	1160	A	8170					
76-05-10			45	90	A	11					
76-06-04			12	90	A	2.9					
76-06-23			3.0	200	A	1.6					
76-07-29			0.90	190	A	0.46					
76-08-16			2.2	30	A	0.18					
76-09-09			37	60	A	6.0					
76-10-01			0.30	100	A	0.08					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07165700 VERDIGRIS RIVER NEAR MADISON, KANS.



## ARKANSAS RIVER BASIN

07165900 TORONTO LAKE NEAR TORONTO, KANS.

LOCATION.--Lat 37°44'30", long 95°56'00", in NW 1/4 SE 1/4 sec.36, T.26 S., R.13 E., Woodson County, Hydrologic Unit 11070101, 4.0 mi (6.4 km) southeast of town of Toronto, and at mile 271.5 (436.8 km).

DRAINAGE AREA.--730 mi<sup>2</sup> (1,891 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1967-78.

REMARKS.--Flow completely regulated by Toronto Lake since 1960. Suspended sediment samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-07-26			493	90	A 120	68-10-10			480	100	A 130
67-08-02			62	70	A 12	68-10-17			120	100	A 32
67-08-09			650	80	A 140	68-10-25			240	60	A 39
67-08-15			650	100	A 175	68-10-29			15	60	A 2.4
67-08-24			21	150	A 8.5	68-11-08			960	90	A 233
67-09-07			480	90	A 117	68-11-15			640	80	A 138
67-09-15			960	100	A 259	68-11-21			2000	30	A 162
67-09-21			720	100	A 194	68-11-29			160	40	A 17
67-09-28			400	130	A 140	68-12-13			120	70	A 23
67-10-03			160	140	A 60	68-12-20			1120	70	A 212
67-10-13			3.0	60	A 0.49	69-01-02			168	90	A 41
67-10-26			98	70	A 19	69-01-10			480	30	A 39
67-11-02			1560	50	A 211	69-01-17			640	30	A 52
67-11-09			233	50	A 31	69-01-24			160	30	A 13
67-11-17			120	30	A 9.7	69-01-31			160	30	A 13
67-11-24			80	10	A 2.2	69-02-07			428	50	A 58
67-12-01			68	10	A 1.8	69-02-19			199	660	A 355
67-12-08			80	10	A 2.2	69-02-27			562	50	A 76
67-12-20			240	30	A 19	69-03-06			165	40	A 18
67-12-29			240	20	A 13	69-03-14			546	50	A 74
68-01-26			160	20	A 8.6	69-03-21			174	70	A 33
68-02-02			187	40	A 20	69-03-28			3950	140	A 1490
68-02-09			53	20	A 2.9	69-04-04			303	20	A 16
68-02-16			65	20	A 3.5	69-04-17			552	30	A 45
68-02-23			35	20	A 1.9	69-04-25			289	130	A 101
68-02-29			30	20	A 1.6	69-05-02			4430	100	A 1200
68-03-08			32	20	A 1.7	69-05-16			2560	60	A 415
68-03-14			30	30	A 2.4	69-05-23			1120	80	A 242
68-03-22			12	80	A 2.6	69-05-29			1800	80	A 389
68-03-28			8.0	30	A 0.65	69-06-05			4900	90	A 1190
68-04-04			3080	80	A 665	69-06-11			3800	90	A 923
68-04-11			80	70	A 15	69-06-27			4240	160	A 1830
68-04-19			36	100	A 9.7	69-07-03			5000	90	A 1220
68-05-02			80	80	A 17	69-07-07			1530	60	A 248
68-05-23			960	40	A 104	69-07-11			1470	90	A 357
68-06-04			640	70	A 121	69-07-31			28	60	A 4.5
68-06-13			640	80	A 138	69-08-08			28	70	A 5.3
68-06-20			450	70	A 85	69-08-14			27	60	A 4.4
68-06-28			60	110	A 18	69-08-29			26	60	A 4.2
68-07-05			30	60	A 4.9	69-09-04			26	130	A 9.1
68-07-08			20	50	A 2.7	69-09-12			25	190	A 13
68-07-25			12	40	A 1.3	69-09-19			351	60	A 57
68-07-31			6000	80	A 1300	69-09-26			190	40	A 21
68-08-01			6000	90	A 1460	69-10-02			33	50	A 4.5
68-08-02			6000	80	A 1300	69-10-10			15	70	A 2.8
68-08-05			5800	40	A 626	69-10-16			2100	90	A 510
68-08-06			5800	30	A 470	69-10-24			480	70	A 91
68-08-07			5800	40	A 626	69-10-30			150	60	A 24
68-08-22			480	40	A 52	69-11-14			160	80	A 35
68-08-28			28	30	A 2.3	69-11-28			30	40	A 3.2
68-09-10			15	90	A 3.6	69-12-05			80	40	A 8.6
68-09-18			16	90	A 3.9	69-12-24			24	30	A 1.9
68-10-03			10.0	80	A 2.2	69-12-31			120	20	A 6.5

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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## ARKANSAS RIVER BASIN

07165900 TORONTO LAKE NEAR TORONTO, KANS.--CONTINUED

159

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
70-01-13			30	30	A	2.4	71-11-03		80	70	A	15
70-01-16			60	40	A	6.5	71-11-12		9.0	30	A	0.73
70-01-22			60	20	A	3.2	71-11-19		16	50	A	2.2
70-01-29			240	20	A	13	71-11-24		8.0	40	A	0.86
70-02-06			30	30	A	2.4	71-12-03		30	30	A	2.4
70-02-19			80	30	A	6.5	71-12-09		30	30	A	2.4
70-02-27			70	70	A	13	71-12-17		2900	50	A	392
70-03-06			68	60	A	11	71-12-23		1450	90	A	352
70-03-12			63	70	A	12	71-12-29		160	90	A	39
70-03-20			84	20	A	4.5	72-01-07		160	80	A	35
70-03-27			217	80	A	47	72-01-14		160	70	A	30
70-04-02			532	80	A	115	72-01-21		30	10	A	0.81
70-04-10			3900	50	A	527	72-02-04		80	110	A	24
70-04-17			243	110	A	72	72-02-11		44	80	A	9.5
70-04-24			5350	170	A	2460	72-02-18		240	50	A	32
70-05-01			752	160	A	325	72-02-24		30	40	A	3.2
70-05-07			1600	110	A	475	72-03-02		80	60	A	13
70-05-15			30	160	A	13	72-03-10		7.0	60	A	1.1
70-05-21			30	110	A	8.9	72-03-17		7.0	40	A	0.76
70-05-26			16	80	A	3.5	72-03-23		7.0	100	A	1.9
70-06-05			2000	80	A	432	72-03-31		80	120	A	26
70-06-12			175	120	A	57	72-04-07		80	140	A	30
70-06-19			4760	120	A	1540	72-04-13		8.0	110	A	2.4
70-06-26			400	130	A	140	72-04-20		160	170	A	73
70-07-08			31	180	A	15	72-04-27		960	120	A	311
70-07-17			200	110	A	59	72-05-05		960	120	A	311
70-07-24			20	150	A	8.1	72-05-12		240	70	A	45
70-07-29			20	130	A	7.0	72-05-19		80	90	A	19
70-08-14			20	100	A	5.4	72-05-25		80	150	A	32
70-08-21			20	180	A	9.7	72-06-02		20	120	A	6.5
70-08-27			20	140	A	7.6	72-06-15		20	190	A	10
70-09-03			20	130	A	7.0	72-06-23		20	110	A	5.9
70-09-09			20	120	A	6.5	72-06-29		20	140	A	7.6
70-09-25			20	90	A	4.9	72-07-06		20	60	A	3.2
70-10-02			20	80	A	4.3	72-07-14		6000	580	A	9400
70-10-08			1440	50	A	194	72-07-28		5600	70	A	1060
70-10-16			80	60	A	13	72-08-04		80	70	A	15
70-10-23			53	50	A	7.2	72-08-18		30	110	A	8.9
70-10-28			200	40	A	22	72-08-25		30	80	A	6.5
70-11-05			17	50	A	2.3	72-08-30		30	70	A	5.7
70-11-12			17	50	A	2.3	72-09-05		30	60	A	4.9
70-11-20			17	50	A	2.3	72-09-15		53	100	A	14
70-11-27			80	40	A	8.6	72-09-21		20	90	A	4.9
70-11-30			480	70	A	91	72-09-29		20	50	A	2.7
70-12-18			12	60	A	1.9	72-10-06		20	60	A	3.2
70-12-22			12	70	A	2.3	72-10-13		20	20	A	1.1
70-12-31			80	40	A	8.6	72-10-20		20	20	A	1.1
71-01-05			4000	80	A	864	72-10-25		20	10	A	0.54
71-01-14			162	100	A	44	72-11-02		20	30	A	1.6
71-01-22			87	30	A	7.0	72-11-09		12	10	A	0.32
71-01-28			80	40	A	8.6	72-11-16		800	40	A	86
71-02-05			20	40	A	2.2	72-11-29		5400	10	A	146
71-02-12			20	60	A	3.2	72-12-07		160	30	A	13
71-02-19			80	10	A	2.2	72-12-21		400	10	A	11
71-02-26			80	20	A	4.3	73-01-12		640	30	A	52
71-03-04			2000	70	A	378	73-01-18		80	10	A	2.2
71-03-12			200	50	A	27	73-01-26		2840	20	A	153
71-03-19			80	220	A	48	73-02-02		2900	80	A	626
71-03-26			53	30	A	4.3	73-02-16		160	30	A	13
71-03-31			53	70	A	10	73-02-22		240	10	A	6.5
71-04-08			12	60	A	1.9	73-03-01		240	20	A	13
71-04-16			12	130	A	4.2	73-03-09		2540	130	A	892
71-04-26			12	70	A	2.3	73-03-30		3600	60	A	583
71-04-30			240	110	A	71	73-04-10		1560	80	A	337
71-05-07			30	110	A	8.9	73-04-13		1560	40	A	168
71-05-12			26	80	A	5.6	73-04-19		40	30	A	3.2
71-05-19			80	120	A	26	73-04-27		40	20	A	2.2
71-05-26			800	90	A	194	73-05-04		1000	40	A	108
71-06-03			120	60	A	19	73-05-10		1600	30	A	130
71-06-09			2000	60	A	324	73-05-18		1720	40	A	186
71-06-18			160	240	A	104	73-05-24		1750	80	A	378
71-06-25			320	130	A	112	73-06-01		320	120	A	104
71-07-02			20	100	A	5.4	73-06-06		320	90	A	78
71-07-09			960	90	A	233	73-06-15		80	140	A	30
71-07-16			240	100	A	65	73-06-22		53	230	A	33
71-07-23			20	120	A	6.5	73-07-02		16	240	A	10
71-07-30			1340	90	A	326	73-07-06		16	110	A	4.8
71-08-06			80	140	A	30	73-07-13		16	100	A	4.3
71-08-19			30	100	A	8.1	73-07-20		16	110	A	4.8
71-08-27			12	90	A	2.9	73-07-27		160	110	A	48
71-09-03			16	100	A	4.3	73-08-03		53	70	A	10
71-09-10			16	90	A	3.9	73-08-10		12	100	A	3.2
71-09-17			16	100	A	4.3	73-08-17		12	90	A	2.9
71-09-24			16	100	A	4.3	73-08-23		12	70	A	2.3
71-10-01			16	100	A	4.3	73-08-31		12	80	A	2.6
71-10-08			16	60	A	2.6	73-09-07		12	70	A	2.3
71-10-14			16	110	A	4.8	73-09-14		1360	50	A	184
71-10-22			16	60	A	2.6	73-09-21		20	150	A	8.1
71-10-27			16	60	A	2.6	73-09-28		1950	150	A	790

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-10-05			3080	30	A 249	75-10-09			8.0	90	A 1.9
73-10-19			5740	40	A 620	75-10-17			8.0	240	A 5.2
73-11-01			1320	10	A 36	75-10-25			8.0	90	A 1.9
73-11-08			160	20	A 8.6	75-10-31			8.0	70	A 1.5
73-11-15			100	10	A 2.7	75-11-07			8.0	80	A 1.7
73-11-21			985	20	A 53	75-11-14			8.0	50	A 1.1
73-11-30			1500	10	A 41	75-11-21			8.0	60	A 1.3
73-12-07			1080	30	A 87	75-11-28			8.0	50	A 1.1
73-12-21			480	10	A 13	75-12-03			8.0	40	A 0.86
73-12-26			500	10	A 13	75-12-10			8.0	40	A 0.86
74-01-10			240	10	A 6.5	75-12-19			8.0	110	A 2.4
74-01-18			900	20	A 49	75-12-24			8.0	40	A 0.86
74-01-25			2100	10	A 57	75-12-31			8.0	10	A 0.22
74-01-31			960	10	A 26	76-01-10			8.0	10	A 0.22
74-02-08			240	10	A 6.5	76-01-16			8.0	20	A 0.43
74-02-15			133	10	A 3.6	76-01-23			8.0	10	A 0.22
74-02-22			990	60	A 160	76-01-29			8.0	40	A 0.86
74-02-26			1660	10	A 45	76-02-05			8.0	30	A 0.65
74-03-07			320	80	A 69	76-02-20			8.0	70	A 1.5
74-03-15			1480	40	A 160	76-03-05			8.0	20	A 0.43
74-03-22			2120	30	A 172	76-03-10			8.0	10	A 0.22
74-03-29			244	70	A 46	76-03-19			8.0	60	A 1.3
74-04-05			113	40	A 12	76-03-26			8.0	40	A 0.86
74-04-18			113	80	A 24	76-04-09			8.0	40	A 0.86
74-04-26			123	80	A 27	76-04-16			8.0	60	A 1.3
74-05-03			1030	130	A 362	76-04-23			8.0	110	A 2.4
74-05-10			244	90	A 59	76-04-30			8.0	70	A 1.5
74-05-16			1380	120	A 447	76-05-07			80	80	A 17
74-05-24			164	120	A 53	76-05-14			80	50	A 11
74-05-31			164	120	A 53	76-05-21			30	110	A 8.9
74-06-07			333	110	A 99	76-05-28			80	90	A 19
74-06-14			1140	70	A 215	76-06-04			80	100	A 22
74-06-21			2230	70	A 421	76-06-11			80	80	A 17
74-06-25			2090	90	A 508	76-06-18			6.0	100	A 1.6
74-07-04			800	160	A 346	76-06-25			6.0	100	A 1.6
74-07-10			30	220	A 18	76-07-04			1.0	60	A 0.16
74-07-25			20	130	A 7.0	76-07-16			12	110	A 3.6
74-08-02			20	140	A 7.6	76-07-23			12	130	A 4.2
74-08-07			24	180	A 12	76-07-30			12	60	A 1.9
74-08-15			24	120	A 7.8	76-08-06			12	90	A 2.9
74-08-23			24	90	A 5.8	76-08-13			12	120	A 3.9
74-09-13			1700	70	A 321	76-08-20			12	140	A 4.5
74-09-23			53	110	A 16	76-08-27			12	180	A 5.8
74-09-28			53	130	A 19	76-09-02			12	140	A 4.5
74-10-04			53	100	A 14	76-09-10			12	110	A 3.6
74-10-11			53	170	A 24	76-09-24			44	110	A 13
74-10-25			20	60	A 3.2	76-09-30			8.0	190	A 4.1
74-11-01			2160	50	A 292	76-10-08			8.0	160	A 3.5
74-11-21			2900	50	A 392	76-10-15			8.0	160	A 3.5
74-12-05			1500	50	A 203	76-10-20			8.0	100	A 2.2
74-12-12			1000	60	A 162	76-10-28			8.0	90	A 1.9
74-12-20			480	40	A 52	76-11-04			8.0	80	A 1.7
74-12-27			160	20	A 8.6	76-11-12			8.0	100	A 2.2
75-01-17			640	80	A 138	76-11-18			8.0	40	A 0.86
75-01-24			320	50	A 43	76-11-24			8.0	30	A 0.65
75-01-31			170	100	A 46	76-12-02			8.0	30	A 0.65
75-02-07			2120	60	A 343	76-12-09			8.0	20	A 0.43
75-02-14			800	100	A 216	76-12-16			8.0	20	A 0.43
75-02-20			800	70	A 151	76-12-23			8.0	70	A 1.5
75-02-27			1650	60	A 267	76-12-30			8.0	60	A 1.3
75-03-07			240	140	A 91	77-01-07			8.0	60	A 1.3
75-03-14			640	60	A 104	77-01-17			8.0	100	A 2.2
75-03-20			1360	10	A 37	77-01-20			8.0	40	A 0.86
75-03-27			666	10	A 18	77-01-28			8.0	70	A 1.5
75-04-04			1500	10	A 41	77-02-02			8.0	110	A 2.4
75-04-11			320	60	A 52	77-02-09			8.0	20	A 0.43
75-04-17			640	40	A 69	77-02-18			8.0	50	A 1.1
75-04-24			160	20	A 8.6	77-02-23			8.0	60	A 1.3
75-05-01			240	30	A 19	77-03-03			8.0	80	A 1.7
75-05-09			160	40	A 17	77-03-11			8.0	60	A 1.3
75-05-15			640	10	A 17	77-03-17			8.0	170	A 3.7
75-05-24			80	200	A 43	77-03-30			8.0	130	A 2.8
75-05-29			1020	10	A 28	77-03-31			8.0	100	A 2.2
75-06-06			960	10	A 26	77-04-07			8.0	160	A 3.5
75-06-12			10.0	20	A 0.54	77-04-13			8.0	110	A 2.4
75-06-20			3220	10	A 87	77-04-22			8.0	170	A 3.7
75-06-27			3000	140	A 1130	77-04-29			8.0	120	A 2.6
75-07-03			120	240	A 78	77-05-05			68	130	A 24
75-07-11			30	110	A 8.9	77-06-08			128	190	A 66
75-07-18			30	130	A 11	77-06-17			14	50	A 1.9
75-07-25			8.0	120	A 2.6	77-07-06			100	60	A 16
75-08-01			8.0	110	A 2.4	77-07-22			16	170	A 7.3
75-08-08			8.0	160	A 3.5	77-07-29			16	110	A 4.8
75-08-15			8.0	150	A 3.2	77-08-03			240	50	A 32
75-08-30			8.0	160	A 3.5	77-08-11			13	120	A 4.2
75-09-05			8.0	110	A 2.4	77-08-26			520	90	A 126
75-09-19			8.0	120	A 2.6	77-09-08			520	100	A 140
75-09-26			8.0	110	A 2.4	77-11-02	1400		520	80	A 112
75-10-03			8.0	90	A 1.9	77-11-11			3170	80	A 685

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

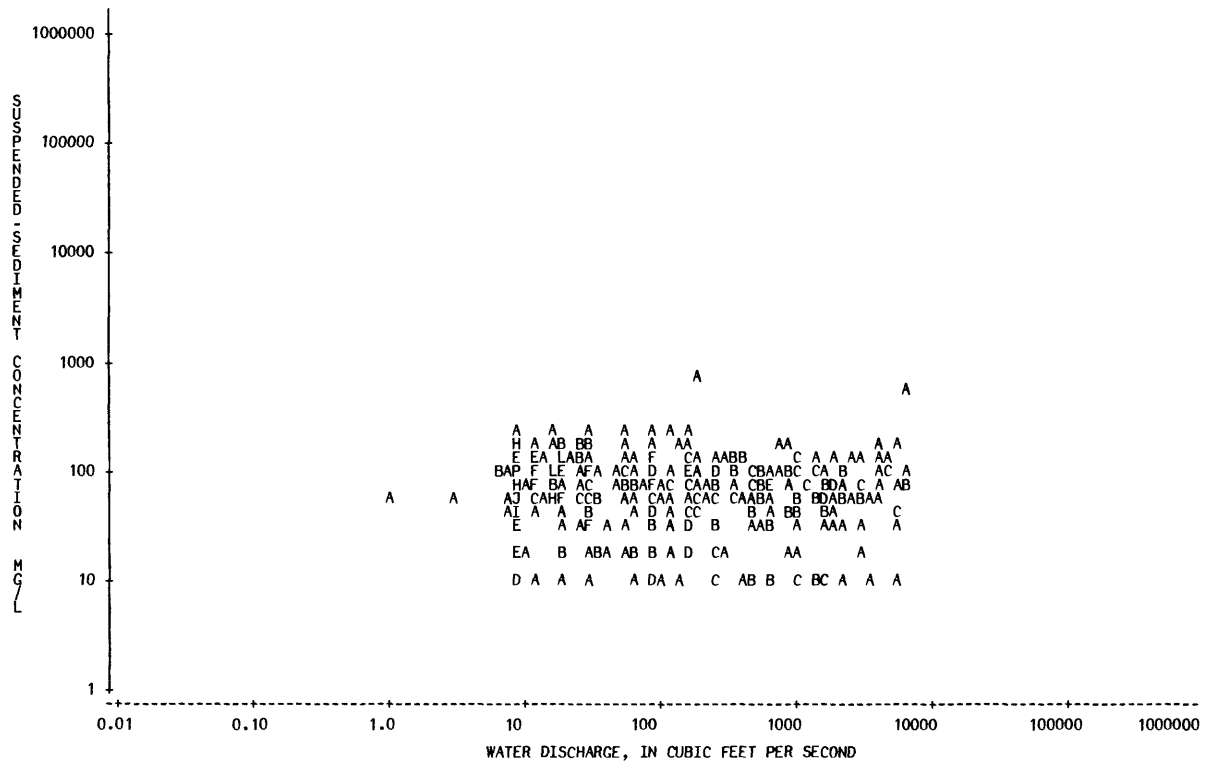
07165900 TORONTO LAKE NEAR TORONTO, KANS.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-11-29	1500		480	50	A 65						
77-12-14	0930		172	50	A 23						
77-12-21	0845		172	60	A 28						
77-12-29	0940		36	50	A 4.9						
78-01-04	0905		27	50	A 3.6						
78-03-13	1030		850	40	A 92						
78-03-24	1400		20	130	A 7.0						

\*\*\*\*\*  
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07165900 TORONTO LAKE NEAR TORONTO, KANS.



## ARKANSAS RIVER BASIN

07166000 VERDIGRIS RIVER NEAR COYVILLE, KANS.

LOCATION.--Lat 37°42'20", long 95°54'20", in SW 1/4 SW 1/4 sec.8, T.27 S., R.14 E., Wilson County, Hydrologic Unit 11070101, on county highway bridge, 1.2 mi (1.9 km) upstream from Meadow Creek, 1.5 mi (2.4 km) northwest of Coyville, 2.5 mi (4.0 km) downstream from Pig Creek, and at mile 268.0 (431.2 km).

DRAINAGE AREA.--747 mi<sup>2</sup> (1,935 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-78.

REMARKS.--Flow regulated since 1960 by Toronto Lake, 3.5 mi (5.6 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-17			7580	8800	A 180000	44-10-07			183	400	A 198
40-04-18			5350	3900	A 56300	44-10-19			24	200	A 13
40-04-19			549	2000	A 2960	44-11-02			13	200	A 7.0
40-04-29			2270	1800	A 11000	44-11-14			32	100	A 8.6
40-05-09			3830	3100	A 32100	44-12-06	0001	12300	1000	A 33200	
40-05-16			80	300	A 65	44-12-06	0002	9290	700	A 17600	
40-08-27			95	600	A 154	44-12-07		1720	700	A 3250	
40-11-30			51	300	A 41	45-01-01		205	200	A 111	
41-01-02			1590	3700	A 15900	45-03-08		184	100	A 50	
41-01-02	0001		2170	4000	A 23400	45-03-15		5750	3000	A 46600	
41-01-03			388	3100	A 3250	45-03-25		19200	3000	A 156000	
41-01-15			1920	1100	A 5700	45-03-26	0001	2640	2300	A 16400	
41-01-26			3170	1300	A 11100	45-03-26	0002	2060	2700	A 15000	
41-04-11			193	400	A 208	45-04-11		9900	2700	A 72200	
41-04-14			6740	5900	A 107000	45-04-12		4990	1600	A 21600	
41-04-15	0001		9300	3700	A 92900	45-05-18		394	100	A 106	
41-04-15	0002		7830	2000	A 42300	45-05-25		8450	3300	A 75300	
41-08-27			2810	3300	A 25000	45-05-26		2550	2200	A 15100	
41-09-07			199	900	A 484	45-07-01		4910	1800	A 23900	
41-09-18		*	178	200	A 96	45-07-18		1100	2300	A 6830	
41-10-03			7480	1900	A 38400	45-09-29		10200	2600	A 71600	
41-11-07			659	400	A 712	45-10-10		186	300	A 151	
41-11-18			249	300	A 202	46-01-09		3800	1400	A 14400	
41-12-01			314	300	A 254	46-02-20		1120	1100	A 3330	
41-12-16			169	200	A 91	46-03-06		3350	2400	A 21700	
41-12-30			239	300	A 194	46-03-21		353	300	A 286	
42-01-27			205	3030	A 1680	46-04-02		202	200	A 109	
42-02-24			3830	3400	A 35200	46-04-16		2170	2200	A 12900	
42-03-11			204	200	A 110	46-04-23		4420	1000	A 11900	
42-04-27			313	100	A 85	46-05-03		163	100	A 44	
42-04-28			11200	4600	A 139000	47-03-18		334	400	A 361	
42-04-29			1210	4000	A 13100	47-04-07		725	1600	A 3130	
42-05-12			422	400	A 456	47-04-30		534	300	A 433	
42-06-25			10800	4200	A 122000	47-05-21		1270	600	A 2060	
42-06-26			7970	1300	A 28000	47-06-20		4270	2700	A 31100	
42-08-26	0001		3120	2100	A 17700	47-06-24		462	1200	A 1500	
42-08-26	0002		1680	1400	A 6350	47-06-27		6140	2000	A 33200	
43-03-11			507	900	A 1230	47-07-08		82	200	A 44	
43-05-17			10200	3300	A 90900	47-07-29		52	300	A 42	
43-06-10			4230	1500	A 17100	48-03-02		3350	*	3200 A 28900	
43-06-25			1020	1500	A 4130	48-03-03		850	2100	A 4820	
43-10-26			63	400	A 68	48-03-15		1160	400	A 1250	
44-02-29			277	500	A 374	48-03-19		5240	*	4800 A 67900	
44-03-17			930	2500	A 6280	48-03-24		846	*	1500 A 3430	
44-03-19			4310	2200	A 25600	48-04-28		191	200	A 103	
44-03-28			354	100	A 96	48-06-02		3350	3200	A 28900	
44-04-11			29200	2900	A 229000	49-04-28		2080	1000	A 5620	
44-04-26			3770	3400	A 34600	49-07-22		8520	3100	A 71300	
44-08-18			11	200	A 5.9	50-04-29		4950	4600	A 61500	
44-08-27			1590	4000	A 17200	50-06-04		2560	1700	A 11800	
44-09-12			13	100	A 3.5	50-07-10		8770	2900	A 68700	
44-09-20			10.0	100	A 2.7	50-07-11		8050	1000	A 21700	
44-10-03			1570	1400	A 5930	50-07-13		5100	1900	A 26200	

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
50-07-17			11300	800	A 24400	59-10-06			12200	260	A 8560
51-05-01			10800	3000	A 87500	59-10-09			6670	140	A 2520
51-05-04			629	400	A 679	59-10-22			242	150	A 98
51-05-17			4130	1900	A 21200	59-12-29			428	200	A 231
51-05-23			5470	1100	A 16200	60-01-05			138	200	A 75
51-06-07			3440	2500	A 23200	60-02-08			826	250	A 558
51-06-12			3160	1100	A 9390	60-02-17			311	190	A 160
51-06-30			38900	1200	A 126000	60-03-23			4130	160	A 1780
51-07-10			18500	1600	A 79900	60-03-24			6980	170	A 3200
51-07-11			23000	1500	A 93200	60-03-25			2310	170	A 1060
51-07-12			45100	1400	A 170000	60-03-28			874	110	A 260
51-07-15			1680	900	A 4080	60-04-18			1820	90	A 442
51-08-23			341	500	A 460	60-05-02			1380	110	A 410
51-09-06			21700	900	A 52700	60-05-09			2610	110	A 775
51-11-26			471	100	A 127	60-06-08			1900	160	A 821
52-03-10			8780	3800	A 90100	60-06-09			3450	80	A 745
52-03-11			5270	1200	A 17100	60-11-03			4640	120	A 1500
52-03-19			8390	2100	A 47600	60-12-13			1950	90	A 474
52-04-22			6790	1800	A 33000	60-12-23			160	70	A 30
53-04-01			692	4000	A 7470	61-02-20			2790	70	A 527
54-04-27			7900	4220	A 90000	61-02-28			955	50	A 129
54-04-28			826	3340	A 7450	61-03-01			1430	40	A 154
54-05-25			166	10	A 4.5	61-03-02			2180	30	A 177
54-05-28			674	630	A 1150	61-03-09			1770	120	A 573
54-06-03			1110	810	A 2430	61-03-15			608	80	A 131
55-05-26			4030	1880	A 20500	61-03-22			2990	390	A 3150
55-05-29			367	980	A 971	61-03-29			3370	230	A 2090
55-09-28			489	420	A 555	61-04-04			465	120	A 151
55-10-03			224	430	A 260	61-04-17			2700	90	A 656
55-10-06			557	440	A 662	61-04-18			3220	70	A 609
56-05-09			512	1360	A 1880	61-05-15			6490	80	A 1400
56-05-31			7430	4350	A 87300	61-05-21			5750	70	A 1090
56-06-01			2410	1250	A 8130	61-06-02			485	190	A 249
56-06-02			275	620	A 460	61-06-15			797	180	A 387
56-07-05			120	530	A 172	61-07-25			4090	240	A 2650
56-07-06			154	260	A 108	61-09-07			2510	290	A 1970
57-04-04			6460	2940	A 51300	61-09-13			1330	440	A 1580
57-04-05			1350	880	A 3210	61-09-19			6770	330	A 6030
57-04-24			4420	1750	A 20900	61-09-22			3200	320	A 2760
57-04-25			710	630	A 1210	61-09-25			4430	190	A 2270
57-05-08			17600	1800	A 85500	61-10-06			325	80	A 70
57-05-17			20100	2280	A 124000	61-10-17			1130	90	A 275
57-05-18			17600	1790	A 85100	61-10-20			180	100	A 49
57-05-19			2440	640	A 4220	61-11-08			5420	150	A 2200
57-05-20			1060	500	A 1430	61-11-28			3400	50	A 459
57-05-31			1500	500	A 2030	61-12-20			673	70	A 127
57-06-04			753	400	A 813	62-01-11			562	80	A 121
57-06-11	0001		552	190	A 283	62-01-31			2160	90	A 525
57-06-13			22100	1130	A 67400	62-02-15			337	20	A 18
57-06-18			1750	520	A 2460	62-03-23			3070	140	A 1160
57-06-28			2190	520	A 3070	62-03-28			997	100	A 269
57-09-23			242	80	A 52	62-04-06			858	60	A 139
57-10-24			1260	610	A 2080	62-05-31			1050	390	A 1110
58-01-28			418	30	A 34	62-06-06			3870	90	A 940
58-03-03			249	610	A 410	62-06-15			994	90	A 242
58-03-09			10300	1450	A 40300	62-06-18			261	130	A 92
58-03-19			1440	130	A 505	62-06-27			1480	110	A 440
58-03-25			2960	480	A 3840	62-07-03			131	80	A 28
58-03-26			890	180	A 433	62-09-12			336	120	A 109
58-03-31			1970	580	A 3090	62-09-24			5300	320	A 4580
58-04-16			386	210	A 219	62-10-08			414	110	A 123
58-04-22			1220	190	A 626	62-10-16			171	120	A 55
58-05-05			3740	640	A 6460	62-11-28			668	90	A 162
58-06-13			1350	210	A 765	63-01-08			1980	90	A 481
58-06-16			980	1010	A 2670	63-02-08			243	120	A 79
58-06-23			338	120	A 110	63-03-07			962	80	A 208
58-06-25			2900	1850	A 14500	63-03-16			2520	100	A 680
58-06-26			3750	2200	A 22300	63-03-18			378	170	A 174
58-07-08			248	140	A 94	63-03-26			169	60	A 27
58-07-14			360	150	A 146	63-05-28			491	140	A 186
58-07-17			27000	1210	A 88200	63-06-18			498	160	A 215
58-07-22			570	170	A 262	63-06-21			980	140	A 370
58-07-28			1350	710	A 2590	64-06-08			1970	90	A 479
58-07-29			405	280	A 306	64-06-10			1000	120	A 324
58-09-17			4880	1130	A 14900	64-06-11			554	120	A 179
58-09-18			1180	300	A 956	64-06-12			338	170	A 155
58-11-18			5790	1590	A 24900	64-06-17			3050	120	A 988
59-02-10			124	250	A 84	64-06-18			2900	120	A 940
59-02-12			390	300	A 316	64-06-19			1020	140	A 386
59-03-10			270	220	A 160	64-06-22			253	200	A 137
59-04-02			324	220	A 192	64-06-25			186	160	A 80
59-04-09			4430	740	A 8850	64-11-06			171	40	A 18
59-04-14			688	200	A 372	64-11-19			2110	200	A 1140
59-05-17			5960	1950	A 31400	64-11-21			4560	200	A 2460
59-07-14			7600	1240	A 25400	64-11-24			5120	160	A 2210
59-07-21			4650	150	A 1880	64-11-25			4980	130	A 1750
59-08-31			554	230	A 344	64-11-30			3180	90	A 773
59-09-25			561	280	A 424	64-12-02			486	60	A 79
59-10-03			6560	490	A 8680	64-12-07			167	90	A 41

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-12-14			993	60	A 161	69-02-03			673	80	A 145
64-12-21			248	60	A 40	69-02-05			739	50	A 100
65-01-26			322	150	A 130	69-02-27			569	80	A 123
65-02-11			557	120	A 180	69-03-11			486	130	A 171
65-03-03			1030	190	A 528	69-03-26			3190	150	A 1290
65-03-18			1510	490	A 2000	69-03-27			4240	140	A 1600
65-03-19			2560	190	A 1310	69-04-01			958	150	A 388
65-03-22			1410	70	A 266	69-04-07			245	50	A 33
65-03-23			857	180	A 417	69-04-21			5780	260	A 4060
65-03-24			531	110	A 158	69-04-30			5060	130	A 1780
65-03-25			354	110	A 105	69-05-15			2590	90	A 629
65-03-26			272	80	A 59	69-06-05			4950	150	A 2000
65-03-29			198	80	A 43	69-06-12			3770	120	A 1220
65-04-08			2740	120	A 888	69-06-30			5310	210	A 3010
65-04-09			4970	110	A 1480	69-07-14			4400	140	A 1660
65-04-13			1930	80	A 417	69-09-18			998	100	A 269
65-04-14			968	90	A 235	69-09-29			191	100	A 52
65-04-15			575	120	A 186	69-10-17			2020	80	A 436
65-04-21			329	120	A 107	69-10-22			2950	60	A 478
65-04-30			160	120	A 52	69-10-24			465	90	A 113
65-06-04			3130	190	A 1610	69-10-31			1020	50	A 138
65-06-07			4080	180	A 1980	70-03-23			255	150	A 103
65-06-12			5280	130	A 1850	70-04-03			1230	140	A 465
65-06-15			5460	70	A 1030	70-04-07			4010	100	A 1080
65-06-16			5860	90	A 1420	70-04-08			4990	90	A 1210
65-09-03			270	10	A 7.3	70-04-14			2630	110	A 781
65-09-08			1560	140	A 590	70-04-15			827	90	A 201
65-09-10			2080	100	A 562	70-04-27			5500	140	A 2080
65-09-16			811	110	A 241	70-05-06			1730	70	A 327
65-09-27			4140	100	A 1120	70-06-05			1010	70	A 191
65-10-04			119	170	A 55	70-06-17			4420	170	A 2030
65-12-28			489	150	A 198	70-06-30			988	340	A 907
66-02-10			520	100	A 140	70-10-08			1540	80	A 333
66-02-11			966	130	A 339	70-10-13			684	30	A 55
66-02-14			480	100	A 130	70-12-08			329	170	A 151
66-02-16			319	90	A 78	71-01-06			4.0	150	A 1.6
66-03-15			697	100	A 188	71-01-07			5260	130	A 1850
66-04-15			251	150	A 102	71-04-27			474	110	A 141
66-04-27			849	230	A 527	71-05-14			405	150	A 164
66-05-03			984	10	A 27	71-05-26			810	70	A 153
66-05-06			645	10	A 17	71-06-15			1930	90	A 469
66-05-23			324	160	A 140	71-07-08			1990	110	A 591
67-03-31			209	1230	A 694	71-08-04			160	160	A 69
67-06-23			1040	340	A 955	71-11-22			150	90	A 36
67-06-27			2200	90	A 535	71-11-30			323	80	A 70
67-06-28			3890	70	A 735	71-12-22			3180	120	A 1030
67-07-07			417	120	A 135	72-01-05			488	160	A 211
67-07-26			494	170	A 227	72-02-17			641	100	A 173
67-08-10			650	130	A 228	72-04-25			990	200	A 535
67-09-08			492	140	A 186	72-05-04			3030	80	A 654
67-09-18			2930	90	A 712	72-05-15			245	90	A 60
67-09-20			2250	90	A 547	72-07-14			4650	510	A 6400
67-09-21			730	80	A 158	72-07-24			2110	110	A 627
67-09-25			246	140	A 93	72-07-25			5780	110	A 1720
67-10-03			321	110	A 95	72-08-04			183	100	A 49
67-10-10			2020	90	A 491	72-11-15			823	30	A 67
67-10-11			3000	70	A 567	72-11-20			616	20	A 33
67-10-13			1440	80	A 311	72-11-27			431	10	A 12
67-10-19			1900	60	A 308	72-12-29			407	10	A 11
67-10-20			484	60	A 78	73-01-04			4460	40	A 482
67-11-03			3470	90	A 843	73-01-09			3290	50	A 444
67-11-08			664	40	A 72	73-01-17			1040	30	A 84
67-12-20			266	60	A 43	73-01-24			2820	70	A 533
68-04-02			490	210	A 278	73-02-07			5540	80	A 1200
68-04-05			2320	230	A 1440	73-02-12			645	60	A 104
68-04-08			959	160	A 414	73-02-26			237	30	A 19
68-04-10			247	60	A 40	73-03-08			4000	150	A 1620
68-04-24			2630	90	A 639	73-03-14			5970	120	A 1930
68-05-29			4140	140	A 1560	73-03-29			3620	50	A 489
68-06-03			638	190	A 327	73-04-11			1590	140	A 601
68-06-19			5030	150	A 2040	73-05-01			1070	40	A 116
68-07-13			328	90	A 80	73-05-15			2360	30	A 191
68-07-30			5480	360	A 5330	73-05-29			1700	60	A 275
68-07-31			6060	180	A 2950	73-06-12			340	140	A 129
68-08-06			5820	80	A 1260	73-07-26			173	210	A 98
68-08-08			3120	90	A 758	73-09-14			813	80	A 176
68-08-09			487	50	A 66	73-09-17			1390	100	A 375
68-08-22			1440	30	A 117	73-10-01			5270	80	A 1140
68-10-10			496	180	A 241	73-10-09			3060	30	A 248
68-10-18			258	120	A 84	73-10-16			6320	20	A 341
68-10-21			330	250	A 223	73-10-26			3800	20	A 205
68-11-07			1120	130	A 393	73-11-01			2520	60	A 408
68-11-13			651	60	A 105	73-11-05			1000	130	A 351
68-11-19			2120	60	A 343	73-11-29			1550	80	A 335
68-11-25			6910	60	A 1120	73-12-14			1070	40	A 116
68-12-03			1480	90	A 360	74-01-07			1040	10	A 28
69-01-02			3370	70	A 637	74-02-05			349	20	A 19
69-01-14			3.0	50	A 0.41	74-02-11			220	10	A 5.9
69-01-20			665	70	A 126	74-03-26			2280	60	A 369

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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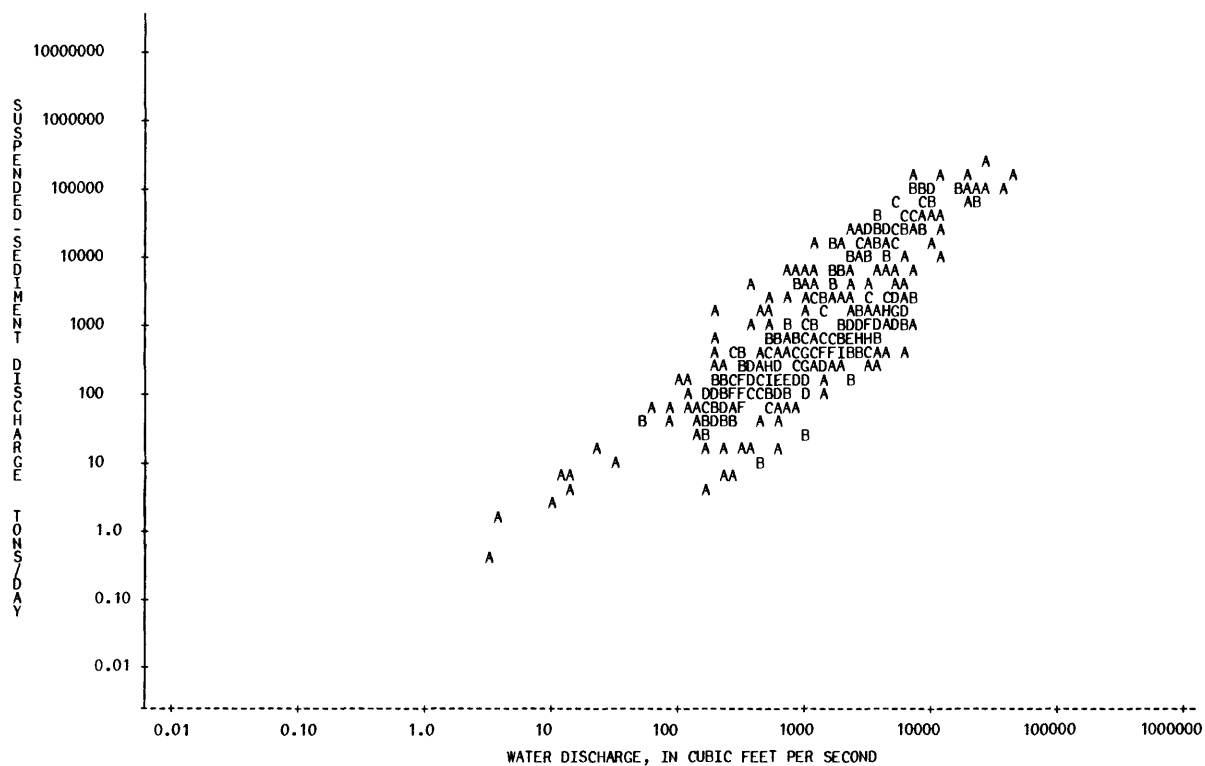
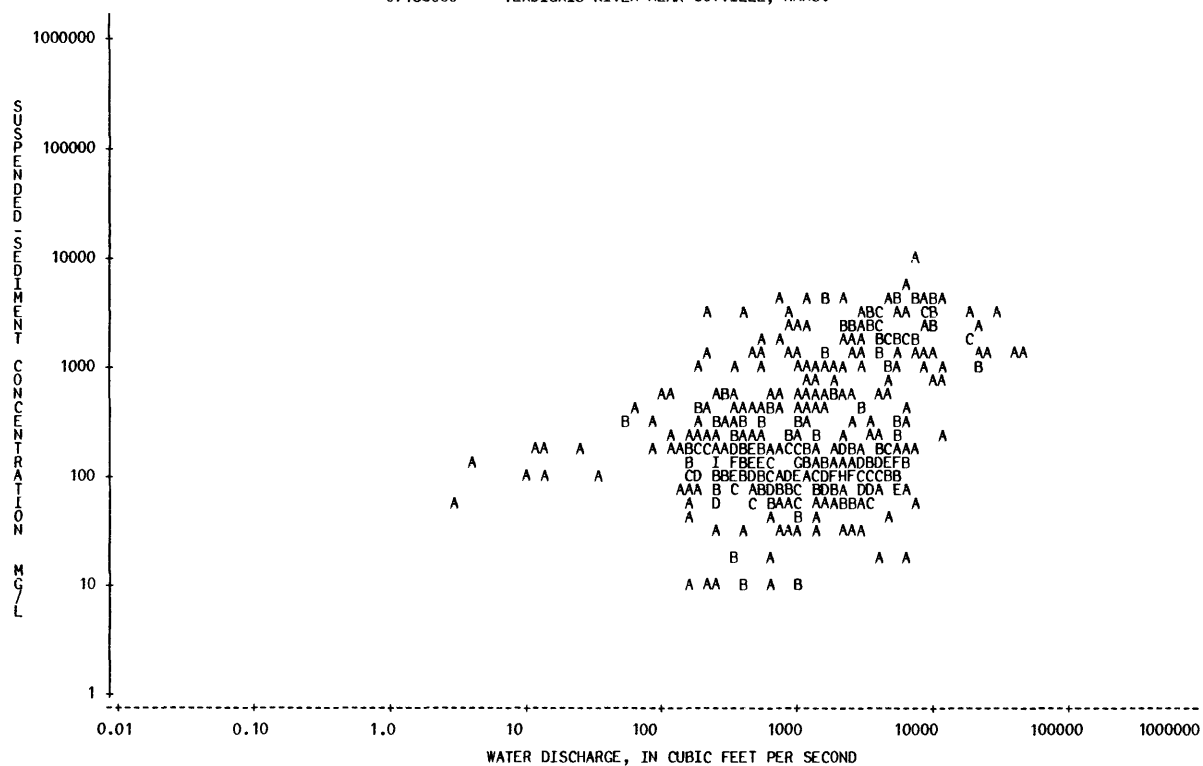
## ARKANSAS RIVER BASIN

07166000 VERDIGRIS RIVER NEAR COYVILLE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-05-03			1080	150	A 437						
74-06-05			1050	240	A 680						
74-06-25			2110	150	A 855						
74-06-28			272	150	A 110						
74-08-30			540	150	A 219						
74-09-05			2030	160	A 877						
74-09-16			1700	80	A 367						
74-10-16			647	90	A 157						
74-11-12			3240	70	A 612						
74-12-03			2650	50	A 358						
74-12-05			1500	80	A 324						
74-12-14			990	90	A 241						
75-01-23			338	80	A 73						
75-02-05			2230	110	A 662						
75-03-05			862	100	A 233						
75-03-26			1310	100	A 354						
75-04-14			315	90	A 77						
75-05-05			245	90	A 60						
75-06-04			2160	170	A 991						
75-06-20			3320	100	A 896						
76-05-04			1390	60	A 225						
76-05-05			1010	70	A 191						
76-05-07			494	80	A 107						
76-06-03			228	210	A 129						
76-07-12			1670	100	A 451						
77-05-19			354	200	A 191						
77-05-25			1310	230	A 814						
77-06-02			2680	130	A 941						
77-06-09			1370	190	A 703						
77-07-01			2700	160	A 1170						
77-08-15			595	140	A 225						
77-08-17			614	140	A 232						
77-08-31			575	130	A 202						
77-11-07	0945		2010	93	A 505						
77-11-11	0945		3170	113	A 967						
78-02-16	1100		1150	163	A 506						
78-02-28	1015		1570	97	A 411						
78-03-08	1120		776	80	A 168						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
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07166000 VERDIGRIS RIVER NEAR COYVILLE, KANS.



## ARKANSAS RIVER BASIN

07166500 VERDIGRIS RIVER NEAR ALTOONA, KANS.

LOCATION.--Lat 37°29'26", long 95°40'49", in SE 1/4 NE 1/4 SW 1/4 sec.29, T.29 S., R.16 E., Wilson County, Hydrologic Unit 11070101, on downstream side of highway bridge, 2.5 mi (4.0 km) southwest of Altoona, 2.5 mi (4.0 km) downstream from Big Cedar Creek, and at mile 227.9 (366.7 km).

DRAINAGE AREA.--1,138 mi<sup>2</sup> (2,947 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-78.

REMARKS.--Considerable regulation since 1960 by Toronto Lake, 43.6 mi (70.2 km) upstream. Diversion above station from Altoona Reservoir for Altoona Municipal Supply. Initial upstream floodwater-retarding structure was completed in January 1962. The remaining construction was completed in August 1971 with 194 mi<sup>2</sup> (502 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-18			10300	5500	A 153000	44-08-18			15	100	A 4.0
40-04-19			4250	2400	A 27500	44-08-27			1200	1000	A 3240
40-04-27			150	100	A 40	44-09-12			17	200	A 9.2
40-05-01			630	300	A 510	44-09-19			10.0	300	A 8.1
40-05-09			4160	3800	A 42700	44-10-05			5210	800	A 11300
40-05-10			1770	1800	A 8600	44-10-06			1480	900	A 3600
40-05-22			1170	800	A 2530	44-10-19			48	200	A 26
40-07-02			6.0	300	A 4.9	44-11-01			25	200	A 13
40-08-15			8.0	600	A 13	44-11-13			64	200	A 35
40-08-28			323	400	A 349	44-12-07			16200	1000	A 43700
40-09-12			48	200	A 26	44-12-08			6900	600	A 11200
40-11-29			241	300	A 195	44-12-19			531	100	A 143
40-12-03			89	100	A 24	45-01-01			299	200	A 161
40-12-31			198	300	A 160	45-02-23			845	200	A 456
41-01-03			1900	2300	A 11800	45-03-08			291	400	A 314
41-01-16			3180	1400	A 12000	45-03-23			892	700	A 1690
41-01-18			6880	3600	A 66900	45-03-25			8760	4000	A 94600
41-01-27			2760	900	A 6710	45-03-26			20300	2700	A 148000
41-02-10			311	100	A 84	45-03-27			13900	1300	A 48800
41-06-03			28300	* 1700	A 130000	45-03-28			1611	1300	A 5650
41-06-04			16300	* 800	A 35200	45-04-13			4160	900	A 10100
41-08-28			3100	* 4800	A 40200	45-04-17			27300	2000	A 147000
41-09-03			1590	* 1900	A 8160	45-04-18			22200	1300	A 77900
41-09-07			6650	3500	A 62800	45-04-19			8490	800	A 18300
41-09-08			9080	2100	A 51500	45-05-18			510	100	A 138
41-09-19			223	200	A 120	45-05-26			6160	2700	A 44900
41-10-01			8880	1400	A 33600	45-05-27			2880	1900	A 14800
41-10-22			8250	700	A 15600	45-06-06			1040	600	A 1680
41-11-01			9490	900	A 23100	45-07-18			1730	1000	A 4670
41-12-02			453	300	A 367	45-09-24			9200	1200	A 29800
42-01-27			991	300	A 803	45-09-26			4470	900	A 10900
42-02-10			227	200	A 123	45-10-03			8300	200	A 4480
42-02-24			3300	3200	A 28500	46-01-10			4090	1300	A 14400
42-03-11			313	200	A 169	46-02-20			3830	1200	A 12400
42-04-29			8400	2900	A 65800	46-03-21			597	400	A 645
42-05-13			468	500	A 632	46-04-02			300	200	A 162
42-05-20			210	400	A 227	46-04-16			2190	900	A 5320
42-05-29			128	100	A 35	46-04-24			8460	1000	A 22800
42-06-11			115	100	A 31	46-05-02			250	200	A 135
42-06-26			9180	3300	A 81800	47-03-18			562	500	A 759
42-06-27			9520	1000	A 25700	47-04-06			12100	2300	A 75100
42-08-27			1610	1500	A 6520	47-04-08			2890	1000	A 7800
43-06-08			1120	900	A 2720	47-04-24			588	200	A 318
43-06-25			17000	700	A 32100	47-04-30			1280	700	A 2420
43-07-19			4130	1200	A 13400	47-05-21			10100	900	A 24500
44-03-07			176	400	A 190	47-06-16			164	200	A 89
44-03-18			265	300	A 215	47-06-20			2800	1800	A 13600
44-03-19	0001		13600	3500	A 129000	47-06-24			2980	1500	A 12100
44-03-19	0002		11500	2100	A 65200	47-06-27			5240	2300	A 32500
44-03-20			4920	1200	A 15900	47-07-08			136	200	A 73
44-04-22			39700	3100	A 332000	47-07-25			2670	1200	A 8650
44-05-02			9440	1800	A 45900	48-03-03			3380	3300	A 30100
44-05-12			350	300	A 283	48-03-04			1450	1900	A 7440

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07166500 VERDIGRIS RIVER NEAR ALTOONA, KANS.--CONTINUED

169

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-03-15			950	400	A 1030	58-07-28			2920	7600	A 59900
48-03-24			5840	1700	A 26800	58-09-18			4550	1070	A 13100
48-03-29			336	300	A 272	58-11-19			3850	1550	A 16100
48-04-24			1750	1200	A 5670	59-02-12			579	90	A 141
48-04-26			3360	800	A 7260	59-04-10			4500	860	A 10400
48-07-13			5360	1300	A 18800	59-05-18			6080	1810	A 29700
48-07-19			20400	600	A 33000	59-07-02			257	170	A 118
48-07-22			30200	500	A 40800	59-07-06			1230	710	A 2360
49-04-01			7310	1800	A 35500	59-07-13			260	600	A 421
49-07-13			4860	1200	A 15700	59-07-16			22400	430	A 26000
50-05-01			893	1700	A 4100	59-07-17			14600	400	A 15800
50-07-12			6830	1100	A 20300	59-07-20			9500	230	A 5900
50-07-14			4130	3400	A 37900	59-07-22			6840	120	A 2220
50-07-19			12200	300	A 9880	59-09-01			806	350	A 762
50-07-21			4030	400	A 4350	59-09-25			1340	500	A 1810
50-07-27			4840	1300	A 17000	59-10-07			14200	250	A 9590
51-05-02			7340	2500	A 49500	59-10-15			1960	350	A 1850
51-05-03			9840	1200	A 31900	59-12-29			1250	220	A 743
51-05-04			5830	400	A 6300	60-01-19			468	150	A 190
51-05-18			3490	1400	A 13200	60-02-08			1200	340	A 1100
51-05-22			6070	1400	A 22900	60-03-25			5770	340	A 5300
51-05-23			5230	900	A 12700	60-04-06			438	130	A 154
51-06-26			14000	300	A 11300	60-04-15			5440	1160	A 17000
51-06-27			5900	300	A 4780	60-05-04			748	150	A 303
51-07-02			32600	500	A 44000	60-05-05			2720	1760	A 12900
51-07-12			66700	1500	A 270000	60-05-31			881	240	A 571
51-07-13			59800	1100	A 178000	60-06-07			4930	1280	A 17000
51-07-15			21800	500	A 29400	60-06-08			2200	680	A 4040
51-08-24			530	300	A 429	60-06-09			3910	440	A 4650
51-08-28			7490	1500	A 30300	60-06-14			3230	280	A 2440
51-09-14			9420	1000	A 25400	60-10-14			1470	1040	A 4130
51-11-16			1660	300	A 1340	60-10-17			311	760	A 638
51-11-26			2160	500	A 2920	60-10-28			2440	570	A 3760
52-03-05			1940	500	A 2620	60-10-31			7360	330	A 6560
52-03-11			8190	2500	A 55300	60-11-04			4570	250	A 3080
52-03-13			2390	800	A 5160	60-11-17			213	120	A 69
52-04-14			2420	400	A 2610	60-12-12			2530	280	A 1910
52-04-24			6040	700	A 11400	60-12-16			3770	120	A 1220
53-04-02			955	2100	A 5410	60-12-19			500	50	A 67
54-04-23			585	420	A 663	60-12-29			278	40	A 30
54-04-28			5150	4040	A 56200	61-02-20			2010	720	A 3910
54-04-29			1470	1400	A 5560	61-03-02			2140	240	A 1390
54-05-07			209	160	A 90	61-03-03			2190	160	A 946
55-05-25			656	1360	A 2410	61-03-06			2840	690	A 5290
55-05-27			5870	2330	A 36900	61-03-16			613	130	A 215
55-05-29			1330	890	A 3200	61-04-14			3030	200	A 1640
55-09-29			560	360	A 544	61-04-26			1960	520	A 2750
55-10-06			605	330	A 539	61-05-01			11500	1310	A 40700
56-05-10			753	120	A 244	61-05-09	0350		10800	588	A 17100
56-06-01			4560	2880	A 35500	61-05-15			6290	190	A 3230
56-06-02			4130	1190	A 13300	61-05-17			6410	200	A 3460
56-06-02	0001		3090	1040	A 8680	61-05-21			6140	180	A 2980
56-06-03			392	800	A 847	61-05-23			7460	1030	A 20700
57-04-05			4370	4730	A 55800	61-05-23	2100		6860	518	A 9590
57-04-06			2620	1000	A 7070	61-05-25			3850	490	A 5090
57-04-08			308	240	A 200	61-05-26			5370	320	A 4640
57-04-25			3940	1280	A 13600	61-06-01			1050	320	A 907
57-04-26			1090	780	A 2300	61-06-15			1260	430	A 1460
57-05-18			11300	3390	A 103000	61-07-24			1870	620	A 3130
57-05-19			20200	1510	A 82400	61-09-05			2020	450	A 2450
57-05-21			4950	300	A 4010	61-09-14			27000	570	A 41600
57-05-31			10600	1250	A 35800	61-09-15	1115		12700	254	A 8710
57-06-03			10900	670	A 19700	61-09-19			4720	700	A 8920
57-06-11			2160	500	A 2920	61-10-03			5600	180	A 2720
57-09-24			351	200	A 190	61-11-09			5210	260	A 3660
57-10-24			1780	1170	A 5620	61-11-28			3500	90	A 851
57-11-15			875	260	A 614	61-12-23			446	80	A 96
58-01-30			487	60	A 79	62-02-02			3760	430	A 4370
58-02-11			259	130	A 91	62-02-16			421	80	A 91
58-03-03			460	60	A 75	62-02-27			359	140	A 136
58-03-10			7850	1800	A 38200	62-03-21			4790	2320	A 30000
58-03-12			4550	400	A 4910	62-03-27			3060	210	A 1740
58-03-20			2040	170	A 936	62-05-31			1010	310	A 845
58-03-25			11100	720	A 21600	62-06-04			1270	480	A 1650
58-03-27			1590	260	A 1120	62-06-05			2360	520	A 3310
58-03-28			1010	180	A 491	62-06-06			3460	400	A 3740
58-04-01			5050	430	A 5860	62-06-21			461	230	A 286
58-04-04			5510	700	A 10400	62-09-20			3930	990	A 10500
58-04-07			770	570	A 1190	62-09-24			5230	370	A 5220
58-04-15			810	70	A 153	62-10-08			447	140	A 169
58-04-23			1670	270	A 1220	62-12-03			340	130	A 119
58-05-05			5030	620	A 8420	63-01-10			1830	230	A 1140
58-06-16			211	140	A 80	63-03-11			1580	310	A 1320
58-06-24			437	330	A 389	63-03-27			211	90	A 51
58-06-26			2630	1460	A 10400	63-05-29			450	180	A 219
58-07-09			390	180	A 190	63-06-20			711	260	A 499
58-07-14			1430	460	A 1780	64-06-08			2020	440	A 2400
58-07-21			4800	130	A 1680	64-06-11			744	190	A 382
58-07-22			849	250	A 573	64-06-18			2960	510	A 4080

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

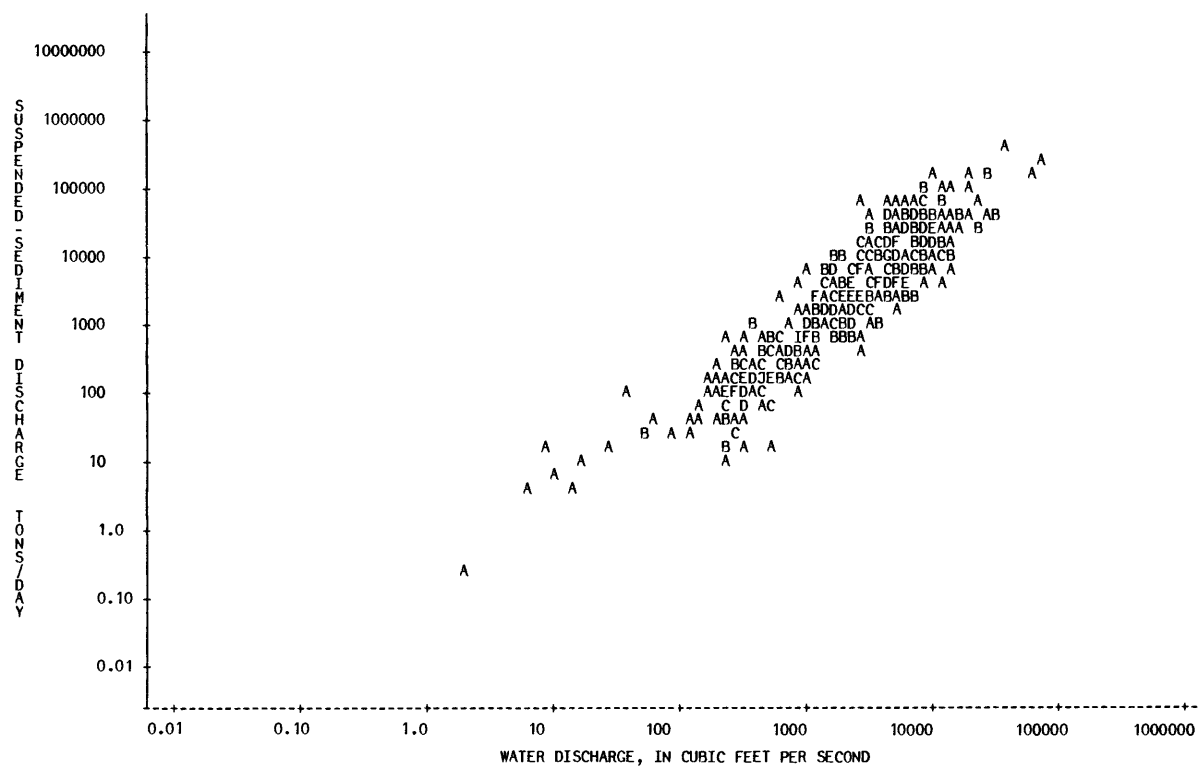
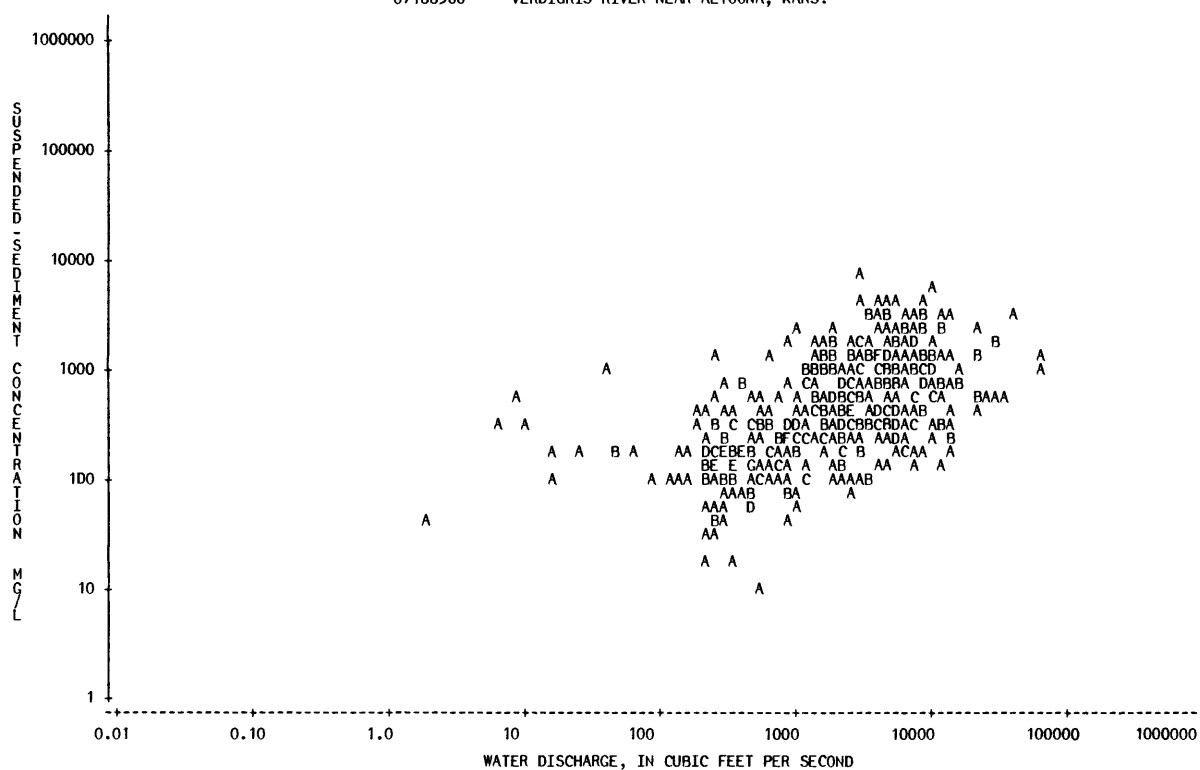
## ARKANSAS RIVER BASIN

07166500 VERDIGRIS RIVER NEAR ALTOONA, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-06-22			244	150	A 99	71-03-16		1020	266	40	A 29
64-09-01			329	130	A 115	71-04-27		1410	456	140	A 172
64-11-18			1260	240	A 816	71-05-26		1155	834	340	A 766
64-11-23			4750	480	A 6160	71-06-07		1020	1050	280	A 794
64-12-14			1050	60	A 170	71-07-06		1040	503	250	A 340
64-12-21			270	50	A 36	71-07-20		1300	212	170	A 97
65-01-06			210	90	A 51	71-07-28		1400	4420	1820	A 21700
65-02-15			311	90	A 76	71-10-18			2.0	40	A 0.22
65-03-01			1150	220	A 683	71-10-21		1030	4290	800	A 9270
65-03-19			2310	840	A 5240	71-11-30		1120	413	180	A 201
65-03-25			437	80	A 94	71-12-16		1030	5710	370	A 5700
65-03-30			222	20	A 12	72-01-05		1030	493	60	A 80
65-04-04			9160	950	A 23500	72-04-25		1100	929	240	A 602
65-04-09			4180	790	A 8920	72-05-04		1115	1730	500	A 2340
65-04-13			2310	170	A 1060	72-05-15		1400	1960	100	A 529
65-06-02			1920	1590	A 8240	72-07-13		1030	5840	1610	A 25400
65-06-04			2510	840	A 5690	72-07-19		1040	10100	510	A 13900
65-06-08			7630	960	A 19800	72-07-19		1130	11400	330	A 10200
65-06-14			6160	480	A 7980	72-07-20		1215	7150	160	A 3090
65-06-15			5700	250	A 3850	72-08-02		1145	13520	170	A 6210
65-06-24			6880	530	A 9850	72-09-11		1215	214	220	A 127
65-06-29			271	160	A 117	72-11-01		1440	2200	350	A 2080
65-09-07			275	180	A 134	72-11-15		1145	1150	100	A 311
65-09-09			1570	390	A 1650	72-12-26		1050	551	10	A 15
65-09-27			4090	250	A 2760	73-01-08		1130	327	70	A 62
66-02-11	1140		916	290	A 717	73-01-17		1035	2560	330	A 2280
66-02-14	1310		484	100	A 131	73-01-31		0955	3310	110	A 983
66-02-17	1125		303	60	A 49	73-02-02		1015	7900	360	A 7680
66-03-17	1025		680	190	A 349	73-02-12		1300	865	40	A 93
66-04-28	1440		820	260	A 576	73-02-26		1100	330	20	A 18
67-06-12	1030		1480	1070	A 4280	73-03-07		1015	7870	370	A 7860
67-06-13	1020		1650	570	A 2540	73-03-21		1000	6260	230	A 3890
67-06-14	0950		314	270	A 229	73-04-02		1420	648	170	A 297
67-06-28	1120		6880	1770	A 32900	73-04-19		0950	451	150	A 183
67-07-12	1255		418	180	A 203	73-04-30		1340	1090	90	A 265
67-07-31	1045		464	160	A 200	73-05-15		1115	2360	110	A 701
67-08-10	1145		1350	540	A 1970	73-05-30		1125	1720	120	A 557
67-08-11	1255		766	240	A 496	73-06-12		1120	338	160	A 146
67-09-11	1035		454	150	A 184	73-07-23	0001	2770	1580	A 11800	
67-09-19	1015		3010	280	A 2280	73-09-17		1360	250	A 918	
67-10-03	1320		358	150	A 145	74-03-12	0001	9900	350	A 9360	
67-10-13	1040		2930	170	A 1340	74-04-02	0001	2030	130	A 713	
67-10-24	1400		214	60	A 35	74-04-26		240	1200	A 778	
67-11-01	0940		8150	740	A 16300	74-05-16		2380	420	A 2700	
67-11-08	1125		881	70	A 167	74-06-05		2360	580	A 3700	
68-04-04	1155		4110	1140	A 12700	74-06-19		2510	430	A 2910	
68-04-10	1150		409	190	A 210	74-06-24		2180	330	A 1940	
68-04-25	1215		3280	500	A 4430	74-09-03		4670	430	A 5420	
68-05-28	1000		2630	410	A 2910	74-09-19		708	100	A 191	
68-06-20	1130		4500	310	A 3770	74-10-31		9360	800	A 20200	
68-07-25	1340		4400	3000	A 35600	74-11-05		11300	150	A 4580	
68-08-01	1100		5660	260	A 3970	74-11-12		2680	210	A 1520	
68-10-10	1245		2990	540	A 4360	74-12-03		2650	70	A 501	
68-10-23	1415		493	320	A 426	74-12-27		270	120	A 87	
68-11-04	1120		926	350	A 875	75-01-14		834	90	A 203	
68-11-22	1110		2300	110	A 683	75-02-04		2220	330	A 1980	
68-12-02	1000		1180	100	A 319	75-03-05		1080	200	A 583	
69-01-02	1035		3560	360	A 3460	75-03-25		1660	160	A 717	
69-01-14	0935		268	40	A 29	75-04-08		2190	210	A 1240	
69-02-05	0940		960	80	A 207	75-04-28	0001	1200	130	A 421	
69-03-10	1025		409	180	A 199	75-05-19		862	140	A 326	
69-03-25	1035		2570	410	A 2840	75-06-11		2550	750	A 5160	
69-03-28	0820		4300	320	A 3720	75-06-18		7010	310	A 5870	
69-04-08	1000		363	100	A 98	75-08-14		37	1140	A 114	
69-04-22	1005		5610	230	A 3480	76-03-05	0001	286	170	A 131	
69-05-01	1000		5190	290	A 4060	76-05-04		1560	250	A 1050	
69-05-14	1040		897	220	A 533	76-05-17		238	90	A 58	
69-05-22	1350		7730	2010	A 42000	76-05-27	0001	2260	670	A 4090	
69-06-02	1020		9190	390	A 9680	76-06-24	0001	1900	980	A 5030	
69-06-11	1115		2540	290	A 1990	76-10-06		250	150	A 101	
69-06-26	1140		3390	1790	A 16400	77-06-01		2820	300	A 2280	
69-09-19	1005		835	240	A 541	77-06-09		1540	440	A 1830	
69-10-13	1330		10900	570	A 16800	77-06-21		9630	520	A 13500	
69-10-23	1200		2220	140	A 839	77-06-23		13900	850	A 31900	
70-04-02	1040		8110	980	A 21500	77-07-01		2870	90	A 697	
70-04-08	1000		4170	350	A 3940	77-07-19		340	130	A 119	
70-04-27	1050		5600	290	A 4380	77-08-08		264	140	A 100	
70-05-11	1000		483	130	A 170	77-08-31		785	150	A 318	
70-06-04	1030		1750	470	A 2220	77-09-20		537	120	A 174	
70-06-17	1030		3910	280	A 2960	77-10-27	1100	311	70	A 59	
70-06-30	1000		1020	260	A 716	77-11-09		1050	9210	490	A 12200
70-09-04	1310		393	790	A 838	77-12-06		1045	231	30	A 19
70-09-24	1045		932	260	A 654	77-12-28		1400	247	30	A 20
70-10-14	1015		661	110	A 196	78-02-17	1330	1460	380	A 1500	
70-10-29	1020		335	350	A 317						
70-12-08	1225		318	90	A 77						
71-01-04	1300		8010	840	A 18200						
71-01-07	1330		4510	500	A 6090						
71-03-03	1015		2230	320	A 1930						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07166500 VERDIGRIS RIVER NEAR ALTOONA, KANS.



## ARKANSAS RIVER BASIN

07167000 FALL RIVER NEAR EUREKA, KANS.

LOCATION.--Lat 37°47'07", long 96°13'52", in NW 1/4 SW 1/4 sec.17, T.26 S., R.11 E., Greenwood County, Hydrologic Unit 11070102, on downstream side of bridge on State Highway 99, 3.0 mi (4.8 km) southeast of Eureka, 5.0 mi (8.0 km) downstream from Spring Creek, and at mile 76.3 (122.8 km).

DRAINAGE AREA.--307 mi<sup>2</sup> (795 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1947-51, 1954-76.

REMARKS.--Initial upstream floodwater retarding structure was completed in June 1964. Construction was completed in 1971 with 150 mi<sup>2</sup> (388 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-01-14			16	100	A 4.3	59-07-09			402	590	A 640
47-01-28			8.0	100	A 2.2	59-07-14			1930	1940	A 10100
47-04-10			5410	4100	A 59900	59-07-15			11600	3350	A 105000
47-04-13			10500	1900	A 53900	59-09-02			234	160	A 101
47-04-23			233	300	A 189	59-10-03			1760	710	A 3370
47-05-20			1200	1100	A 3560	59-12-28			291	180	A 141
47-05-27			325	100	A 88	60-03-21			1340	390	A 1410
47-06-25			64	100	A 17	60-03-30			569	380	A 584
47-07-21			12	300	A 9.7	60-04-19			210	80	A 45
48-02-25			20	100	A 5.4	60-04-29			895	2550	A 6160
48-03-11			99	100	A 27	60-05-04			276	1030	A 768
48-03-17			136	100	A 37	60-06-06			171	320	A 148
48-03-22			180	200	A 97	60-10-27			68	320	A 59
48-03-29			105	100	A 28	60-12-14			137	140	A 52
48-04-13			44	100	A 12	61-02-18			2300	2490	A 15500
48-04-28			131	100	A 35	61-02-23			348	150	A 141
48-07-17			12300	2900	A 96300	61-03-06			406	180	A 197
48-07-18			12600	2900	A 98700	61-03-27			2080	1430	A 8030
48-07-22			8500	1400	A 32100	61-04-11			585	110	A 174
49-07-22			4300	2700	A 31300	61-04-12			1520	700	A 2870
50-06-03			1990	1600	A 8600	61-05-22			25300	1680	A 115000
50-07-25			7460	3200	A 64500	61-06-08			1580	1380	A 5890
50-07-31			14000	1800	A 68000	61-07-21			10700	1920	A 55500
51-05-01			12200	3000	A 98800	61-07-24			519	270	A 378
51-06-22			4600	3300	A 41000	61-09-06			105	140	A 40
54-03-25			14	160	A 6.0	61-10-10			16400	1050	A 46500
54-04-27			263	2860	A 2030	61-11-16			2620	300	A 2120
55-05-26			1190	2380	A 7650	62-01-29			1100	290	A 861
55-06-28			26	110	A 7.7	62-02-15			1970	1030	A 5480
55-10-03			210	870	A 493	62-06-01			42	170	A 19
55-10-05			440	760	A 903	62-06-19			297	650	A 521
56-05-09			41	140	A 15	62-06-26			808	2230	A 4860
56-05-31			125	150	A 51	62-07-10			497	500	A 671
57-04-04			501	640	A 866	62-09-04			116	220	A 69
57-04-23			3140	3590	A 30400	63-03-14			267	210	A 151
57-05-02			94	150	A 38	63-05-27			59	80	A 13
57-05-16			65000	6870	A 1210000	63-06-18			22	120	A 7.1
57-05-17			2140	1690	A 9760	63-06-19			457	470	A 580
57-06-10			247	160	A 107	63-06-20			369	700	A 697
57-06-12			1090	730	A 2150	63-08-30			16	90	A 3.9
57-06-13			4360	1720	A 20200	64-04-07			141	230	A 88
57-06-27			8120	2000	A 43800	64-04-13			63	30	A 5.1
57-07-23			145	140	A 55	64-05-28			135	210	A 77
57-09-23			79	130	A 28	64-06-05			555	820	A 1230
57-10-15			153	220	A 91	64-06-08			66	140	A 25
58-03-07			3250	2840	A 24900	64-06-12			64	260	A 45
58-03-13			689	100	A 186	64-06-15			3170	6010	A 51400
58-03-24			1600	510	A 2200	64-10-26			1700	890	A 4090
58-09-17			446	530	A 638	64-11-04			1110	730	A 2190
58-11-18			503	870	A 1180	64-11-09			133	40	A 14
59-05-17			20400	3920	A 216000	64-11-19			1060	80	A 229
59-05-18			2020	1460	A 7960	64-12-11			720	250	A 486
59-06-23			331	230	A 206	65-03-01			435	330	A 388

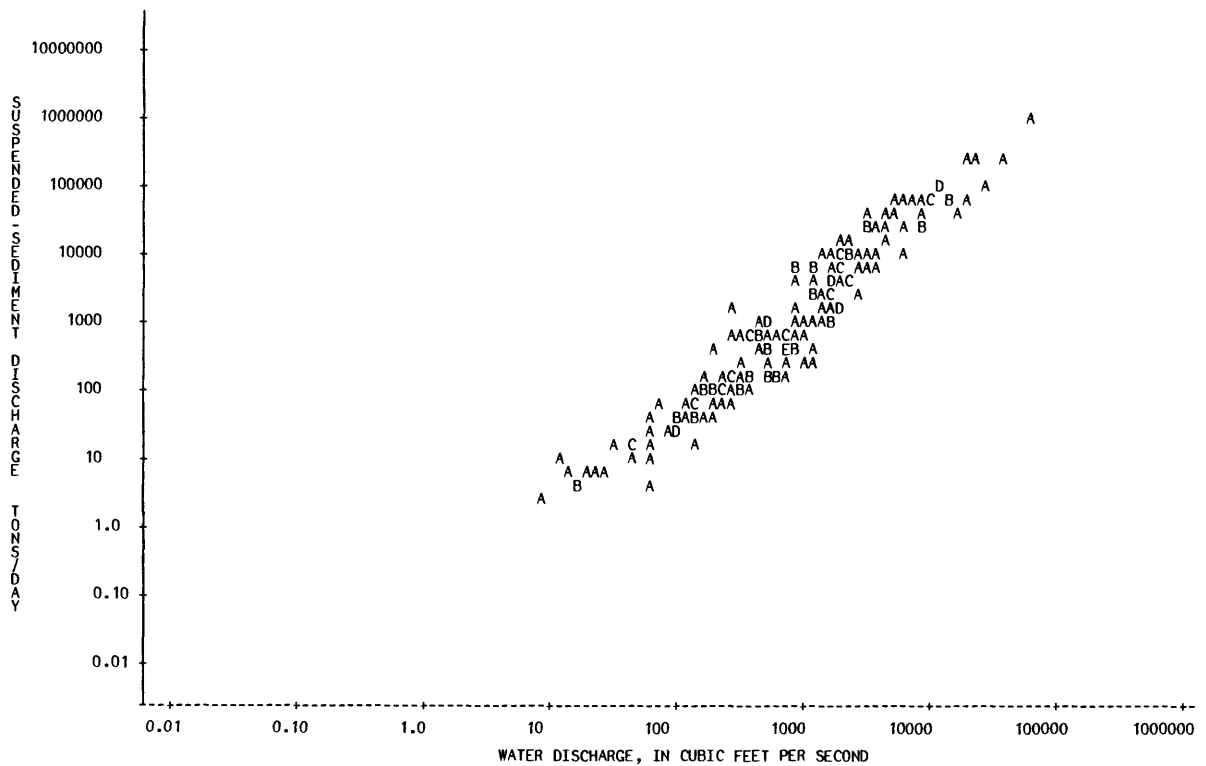
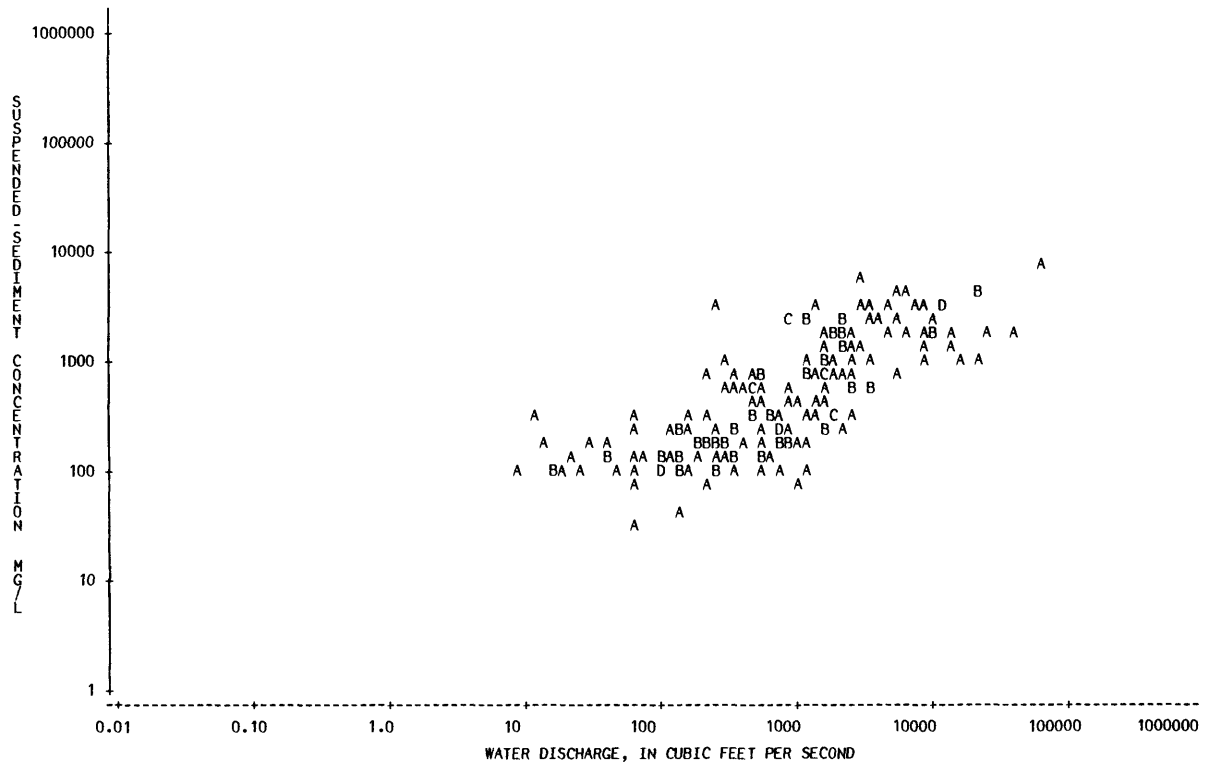
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-03-17			1100	2670	A 7930						
65-04-03			22600	3770	A 230000						
65-04-15			868	640	A 1500						
65-06-01			8050	3060	A 66500						
65-06-05			14200	1440	A 55200						
65-06-08			6330	1670	A 28500						
65-06-09			39200	1950	A 206000						
65-06-10			2550	980	A 6750						
65-09-07			996	430	A 1160						
65-09-08			1100	100	A 297						
65-09-20			681	340	A 625						
65-09-21			5790	790	A 12400						
66-02-09			718	260	A 504						
66-05-02			251	110	A 75						
66-05-23			365	130	A 128						
66-08-10			809	2420	A 5290						
66-08-12			30	170	A 14						
67-06-21			1600	1930	A 8340						
67-06-22			361	570	A 556						
67-06-24			2430	1770	A 11600						
67-06-26			178	190	A 91						
67-07-11			918	190	A 471						
67-08-07			277	190	A 142						
67-09-05			970	200	A 524						
67-09-14			2080	1680	A 9430						
67-09-15			521	160	A 225						
68-04-23			508	630	A 864						
68-05-23			158	100	A 43						
68-05-27			618	120	A 200						
68-06-17			1990	310	A 1670						
68-07-25			5880	4630	A 73500						
68-07-26			2430	670	A 4400						
68-07-29			847	190	A 435						
68-08-19			686	210	A 389						
68-10-17			677	300	A 548						
68-12-19			698	310	A 584						
69-03-24			3670	1030	A 10200						
69-04-17			1660	750	A 3360						
69-04-28			1590	260	A 1120						
69-05-05			825	470	A 1050						
69-05-08			2340	640	A 4040						
69-05-22			8550	960	A 22200						
69-06-03			1700	250	A 1150						
69-09-15			201	180	A 98						
69-10-30			2410	500	A 3250						
70-04-01			10200	2080	A 57300						
70-06-03			230	170	A 106						
70-06-15			695	170	A 319						
70-09-16			42	140	A 16						
70-09-22			2020	2520	A 13700						
71-01-05			311	130	A 109						
71-02-26			2980	1460	A 11700						
71-03-01			553	130	A 194						
71-04-28			341	210	A 193						
71-06-03			1690	930	A 4240						
71-06-14			181	130	A 64						
71-12-15			1290	750	A 2610						
72-04-21			1400	2830	A 10700						
72-05-01			3600	2340	A 22700						
72-05-08			263	130	A 92						
72-11-13			1640	710	A 3140						
73-01-02			245	100	A 66						
73-01-16			1320	320	A 1140						
73-02-01			5480	2290	A 33900						
73-03-05			2030	250	A 1370						
73-03-09			3510	610	A 5780						
73-05-02			920	210	A 522						
73-09-28			1850	330	A 1650						
73-10-11			20400	1010	A 55600						
74-08-16			775	220	A 460						
74-08-28			494	300	A 400						
74-09-04			739	170	A 339						
74-12-11			1550	410	A 1720						
74-12-12			1110	170	A 509						
74-12-13			552	120	A 179						
75-01-31			2030	840	A 4600						
75-02-04			1900	290	A 1490						
75-05-09			93	90	A 23						
75-05-23			2680	1240	A 8970						
75-06-03			3270	610	A 5390						
76-04-21			97	100	A 26						

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
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07167000 FALL RIVER NEAR EUREKA, KANS.



## ARKANSAS RIVER BASIN

07167500 OTTER CREEK AT CLIMAX, KANS.

LOCATION.--Lat 37°42'30", long 96°13'30", in SW 1/4 SE 1/4 sec.8, T.27 S., R.11 E., Greenwood County, Hydrologic Unit 11070102, on right bank at downstream side of bridge on State Highway 99, 0.5 mi (0.8 km) south of Climax, 5.2 mi (8.4 km) upstream from mouth, and 5.5 mi (8.8 km) downstream from South Branch.

DRAINAGE AREA.--129 mi<sup>2</sup> (334 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1947-48, 1950-78, 1980.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
47-01-14			33	*	200	A	18	60-05-04	3820	2030	A	20900
47-01-28			12	*	100	A	3.2	60-05-05	950	590	A	1510
47-05-20			2480		2200	A	14700	60-06-06	35	350	A	33
47-07-21			2.0		200	A	1.1	60-07-13	174	340	A	160
47-11-04			33		200	A	18	61-02-23	42	90	A	10
47-12-08			12		100	A	3.2	61-03-06	118	230	A	73
48-02-25			4.0		100	A	1.1	61-05-01	650	640	A	1120
48-03-11			20		100	A	5.4	61-05-23	504	350	A	476
48-03-17			24		100	A	6.5	61-06-14	344	290	A	269
48-03-22			47		100	A	13	61-07-07	17	120	A	5.5
48-03-29			39		100	A	11	61-07-24	34	210	A	19
48-04-13			11		100	A	3.0	61-09-04	1500	1050	A	4250
48-04-28			23		100	A	6.2	61-09-06	63	130	A	22
48-05-11			8.0		100	A	2.2	61-10-10	3680	970	A	9640
48-05-24			2.0	*	100	A	0.54	61-10-11	406	130	A	143
48-06-07			1.0		100	A	0.27	62-02-01	2880	50	A	389
48-06-16			650		200	A	351	62-06-01	6.0	10	A	0.16
50-06-03			452		800	A	976	62-06-08	31	210	A	18
50-07-31			5000		2800	A	37800	62-07-10	2620	3300	A	23300
50-08-07			5200		2800	A	39300	62-09-21	2540	3540	A	24300
51-05-01			7000		3100	A	58600	62-10-02	57	120	A	18
51-06-21			2660		3300	A	23700	63-03-14	64	160	A	28
51-06-22			3130		2100	A	17700	64-06-15	249	270	A	182
51-06-23			11800		2600	A	82800	64-06-16	66	160	A	29
52-03-10			908	*	1300	A	3190	64-09-11	31	240	A	20
53-05-18			43		240	A	28	64-10-26	46	170	A	21
54-03-25			4.0		120	A	1.3	64-11-04	85	60	A	14
54-05-25			47		10	A	1.3	64-11-09	17	70	A	3.2
55-05-26			979		2740	A	7240	64-11-17	734	220	A	436
55-06-28			31		340	A	28	64-12-10	372	510	A	512
55-10-05			16		330	A	14	64-12-11	309	240	A	200
56-05-31			164		2190	A	970	65-03-01	436	290	A	341
57-04-03			396		2400	A	2570	65-03-17	128	210	A	73
57-05-16			5250		2820	A	40000	65-04-03	12700	2440	A	83700
57-05-17			454		260	A	319	65-04-15	431	1220	A	1420
57-06-10			884		30	A	72	65-06-01	971	2010	A	5270
57-06-12			3590		1790	A	17400	65-06-10	516	220	A	307
57-06-18			320		220	A	190	65-06-21	413	570	A	636
57-09-23			12		210	A	6.8	65-07-06	114	430	A	132
58-03-13			234		110	A	69	65-09-21	812	800	A	1750
58-03-19			333		170	A	153	66-02-09	232	240	A	150
58-06-25			3830		1490	A	15400	66-05-23	69	170	A	32
58-06-26			132		230	A	82	66-08-10	224	1440	A	871
58-09-17			461		370	A	461	66-08-12	9.0	400	A	9.7
58-11-18			114		360	A	111	67-06-11	18	180	A	8.7
59-06-23			74		180	A	36	67-06-24	1120	1240	A	3750
59-07-14			2470		1290	A	8600	67-06-26	49	220	A	29
59-07-15			4990		580	A	7810	67-07-05	7700	3450	A	71700
59-10-02			8230	*	200	A	4440	67-08-07	76	180	A	37
59-10-05			726	*	200	A	392	67-09-05	223	150	A	90
60-03-22			295		140	A	112	67-09-14	16200	2210	A	96700
60-03-30			386		620	A	646	67-09-15	701	200	A	379
60-04-19			71		100	A	19	67-09-27	156	180	A	76

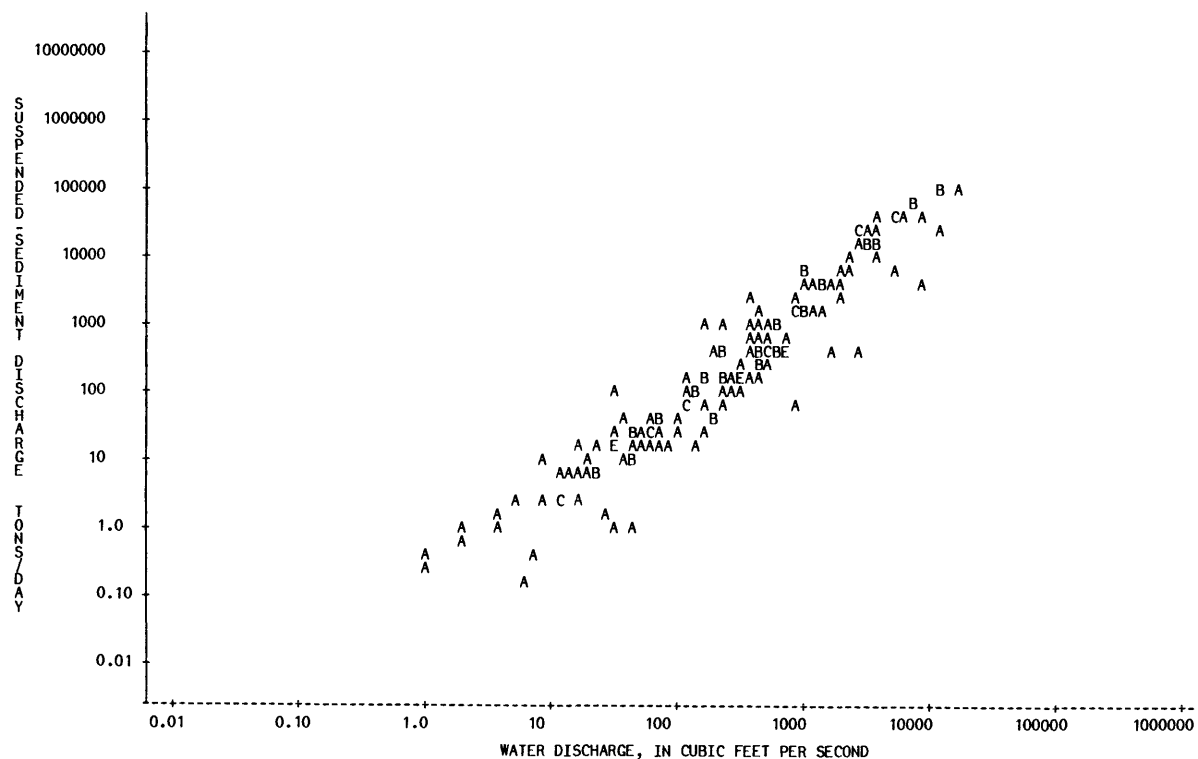
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07167500 OTTER CREEK AT CLIMAX, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-10-31			1380	1090	A	4060					
68-04-23			231	780	A	486					
68-05-27			55	110	A	16					
68-07-26			13	160	A	5.6					
68-08-19			60	230	A	37					
68-10-09			24	220	A	14					
68-10-22			522	770	A	1090					
69-03-24			1020	570	A	1570					
69-04-17			478	220	A	284					
69-04-28			274	160	A	118					
69-05-05			228	630	A	388					
69-05-08			3420	2570	A	23700					
69-05-22			2020	1180	A	6440					
69-06-02			509	420	A	577					
69-09-15			5670	3310	A	50700					
69-10-30			708	230	A	440					
70-04-01			8580	1490	A	34500					
70-06-03			599	580	A	938					
70-06-15			526	310	A	440					
70-09-22			686	260	A	482					
71-01-05			103	180	A	50					
71-02-26			3150	1610	A	13700					
71-03-01			169	50	A	23					
71-05-11			120	230	A	75					
71-12-05			822	610	A	1350					
72-04-20			169	360	A	164					
72-05-01			785	930	A	1970					
72-07-12			33	970	A	86					
72-07-18			1080	1280	A	3730					
72-07-28			3980	3820	A	41000					
72-11-13			1290	550	A	1920					
73-01-16			296	190	A	152					
73-02-01			2090	830	A	4680					
73-03-05			528	250	A	356					
73-04-16			584	250	A	394					
73-10-11			12600	820	A	27900					
74-04-30			217	280	A	164					
74-05-13			473	160	A	204					
74-05-14			368	1130	A	1120					
74-06-11			144	290	A	113					
74-08-28			691	420	A	784					
74-09-04			102	80	A	22					
74-12-11			2100	540	A	3060					
75-03-18			1090	640	A	1880					
75-05-09			45	110	A	13					
75-05-14			327	180	A	159					
75-06-03			2410	1000	A	6510					
75-06-17			1580	820	A	3500					
75-11-05			1620	100	A	437					
76-04-21			179	1040	A	503					
77-05-25			5.2	180	A	2.5					
78-04-14			180	80	A	39					
78-05-14			180	70	A	34					
79-10-30	1710		0.98	130	A	0.34					
79-12-04	1020		6.8	20	A	0.37					
80-03-04	1155		34	10	A	0.92					
80-04-02	1410		150	40	A	16					
80-05-01	0805		25	20	A	1.3					

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## ARKANSAS RIVER BASIN

07168000 FALL RIVER LAKE NEAR FALL RIVER, KANS.

LOCATION.--Lat 37°38'48", long 96°04'39", in NW 1/4 NE 1/4 sec.3, T.28 S., R.12 E., Greenwood County, Hydrologic Unit 11070102, 4.0 mi (6.4 km) northwest of town of Fall River, and at mile 54.2 (87.2 km).

DRAINAGE AREA.--585 mi<sup>2</sup> (1,515 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1968-77.

REMARKS.--Flow completely regulated since 1949 by Fall River Lake. Suspended samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
68-01-11			74	110	A	22	69-01-29		168	80	A	36
68-01-17			30	20	A	1.6	69-02-12		36	80	A	7.8
68-01-24			175	20	A	9.4	69-02-19		212	60	A	34
68-01-31			175	20	A	9.4	69-02-26		5.0	60	A	0.81
68-02-07			75	30	A	6.1	69-03-04		174	100	A	47
68-02-14			32	30	A	2.6	69-03-26		3130	100	A	845
68-02-21			40	30	A	3.2	69-04-02		500	50	A	67
68-02-28			20	70	A	3.8	69-04-09		85	60	A	14
68-03-06			20	90	A	4.9	69-04-10		75	60	A	12
68-03-13			40	60	A	6.5	69-04-23		510	60	A	83
68-03-20			70	70	A	13	69-05-01		5200	110	A	1540
68-03-27			15	30	A	1.2	69-05-07		1500	80	A	324
68-04-03			74	80	A	16	69-05-14		1000	100	A	270
68-04-17			15	50	A	2.0	69-05-21		1500	90	A	365
68-04-24			60	60	A	9.7	69-05-28		4560	90	A	1110
68-05-08			30	130	A	11	69-06-11		3410	50	A	460
68-05-15			75	70	A	14	69-06-18		4020	60	A	651
68-05-21			75	90	A	18	69-06-25		71	140	A	27
68-05-29			1000	60	A	162	69-07-02		3740	130	A	1310
68-06-05			400	70	A	76	69-07-09		386	80	A	83
68-06-12			70	110	A	21	69-07-17		54	80	A	12
68-06-19			4440	60	A	719	69-07-23		54	60	A	8.7
68-06-26			219	80	A	47	69-07-30		54	70	A	10
68-07-03			70	30	A	5.7	69-08-06		12	30	A	0.97
68-07-10			66	50	A	8.9	69-08-13		8.0	40	A	0.86
68-07-17			15	80	A	3.2	69-08-20		8.0	40	A	0.86
68-07-24			15	20	A	0.81	69-08-28		8.0	40	A	0.86
68-07-31			2000	50	A	270	69-09-03		8.0	50	A	1.1
68-08-07			60	50	A	8.1	69-09-10		8.0	40	A	0.86
68-08-14			260	60	A	42	69-09-17		512	40	A	55
68-08-21			800	50	A	108	69-09-24		280	50	A	38
68-08-28			17	50	A	2.3	69-10-01		20	60	A	3.2
68-09-04			75	70	A	14	69-10-09		12	90	A	2.9
68-09-11			15	50	A	2.0	69-10-15		12	90	A	2.9
68-09-18			23	70	A	4.3	69-10-22		2000	50	A	270
68-09-25			15	50	A	2.0	69-10-29		170	60	A	28
68-10-02			15	60	A	2.4	69-11-05		280	40	A	30
68-10-10			70	70	A	13	69-11-11		175	20	A	9.4
68-10-17			65	60	A	11	69-11-19		170	40	A	18
68-10-23			500	60	A	81	69-11-20		55	30	A	4.5
68-10-30			65	60	A	11	69-12-04		75	50	A	10
68-11-06			818	90	A	199	69-12-10		180	20	A	9.7
68-11-13			700	50	A	94	69-12-17		660	30	A	53
68-11-20			2000	60	A	324	69-12-24		330	40	A	36
68-11-27			600	40	A	65	69-12-31		175	20	A	9.4
68-12-04			1000	30	A	81	70-01-07		49	30	A	4.0
68-12-11			73	30	A	5.9	70-01-14		51	10	A	1.4
68-12-18			210	40	A	23	70-01-21		93	10	A	2.5
68-12-26			175	60	A	28	70-01-28		194	10	A	5.2
69-01-02			2000	20	A	108	70-02-04		53	10	A	1.4
69-01-08			320	20	A	17	70-02-11		36	10	A	0.97
69-01-15			175	20	A	9.4	70-02-18		37	20	A	2.0
69-01-22			175	100	A	47	70-02-25		289	50	A	39

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
\*\*\*\*\*

## ARKANSAS RIVER BASIN

179

07168000 FALL RIVER LAKE NEAR FALL RIVER, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-03-04	39			30	A	71-12-29	34			10	A
70-03-11	40			40	A	72-01-05	203			60	A
70-03-18	35			40	A	72-01-12	230			20	A
70-03-25	330			40	A	72-01-26	69			10	A
70-04-01	175			40	A	72-02-02	172			20	A
70-04-08	4100			20	A	72-02-16	239			40	A
70-04-15	500			50	A	72-03-01	93			30	A
70-04-29	5200			80	A	72-03-08	7.0			20	A
70-05-06	760			70	A	72-03-15	7.0			80	A
70-05-13	175			70	A	72-03-22	7.0			90	A
70-05-20	24			50	A	72-03-28	7.0			60	A
70-05-27	25			90	A	72-04-05	8.0			80	A
70-06-03	75			140	A	72-04-12	8.0			40	A
70-06-10	175			100	A	72-04-19	8.0			70	A
70-06-18	4000			420	A	72-04-26	492			120	A
70-06-24	500			160	A	72-05-03	1470			100	A
70-07-01	75			160	A	72-05-10	339			150	A
70-07-08	35			90	A	72-05-17	250			210	A
70-07-18	12			130	A	72-05-24	50			120	A
70-07-29	12			110	A	72-05-31	23			70	A
70-08-05	12			640	A	72-06-14	23			100	A
70-08-12	19			90	A	72-06-21	23			130	A
70-08-19	19			90	A	72-06-28	22			70	A
70-08-26	19			90	A	72-07-05	21			140	A
70-09-02	12			90	A	72-07-12	22			70	A
70-09-09	12			100	A	72-07-18	729			100	A
70-09-23	12			70	A	72-07-26	3610			70	A
70-09-30	65			60	A	72-08-02	421			50	A
70-10-07	12			70	A	72-08-09	20			80	A
70-10-14	200			60	A	72-08-16	12			70	A
70-10-21	78			40	A	72-08-23	12			40	A
70-10-28	337			40	A	72-08-30	13			80	A
70-11-12	10.0			40	A	72-09-06	13			90	A
70-11-18	10.0			60	A	72-09-13	320			50	A
70-11-25	10.0			60	A	72-09-20	17			10	A
70-12-02	500			40	A	72-09-27	18			50	A
70-12-09	75			60	A	72-10-04	18			40	A
70-12-16	10.0			80	A	72-10-11	17			60	A
70-12-23	10.0			70	A	72-10-18	17			90	A
70-12-30	10.0			80	A	72-10-25	17			20	A
71-01-07	3000			80	A	72-11-01	18			30	A
71-01-13	175			30	A	72-11-08	21			60	A
71-01-20	70			20	A	72-11-15	1790			120	A
71-01-27	75			60	A	72-11-22	487			80	A
71-02-03	175			30	A	72-11-29	491			100	A
71-02-10	70			30	A	72-12-06	248			90	A
71-02-17	70			20	A	72-12-13	66			70	A
71-02-24	1000			70	A	72-12-20	238			90	A
71-03-03	1530			80	A	73-01-03	3110			120	A
71-03-10	285			100	A	73-01-10	1930			100	A
71-03-17	170			30	A	73-01-17	1310			170	A
71-03-24	70			40	A	73-01-24	1250			90	A
71-03-31	70			50	A	73-01-31	1920			90	A
71-04-07	70			50	A	73-02-07	4510			100	A
71-04-14	10.0			60	A	73-02-15	717			120	A
71-04-21	10.0			80	A	73-02-21	286			70	A
71-04-28	773			110	A	73-02-28	313			70	A
71-05-05	70			110	A	73-03-07	2250			60	A
71-05-12	253			80	A	73-03-14	4140			60	A
71-05-19	12			120	A	73-03-21	4180			60	A
71-05-26	331			90	A	73-03-29	2420			60	A
71-06-02	70			100	A	73-04-01	66			20	A
71-06-09	655			80	A	73-04-04	63			50	A
71-06-23	13			60	A	73-04-11	1140			50	A
71-06-30	13			60	A	73-04-25	75			20	A
71-07-07	306			80	A	73-05-02	831			20	A
71-07-13	43			30	A	73-05-09	808			70	A
71-07-21	12			70	A	73-05-16	1750			80	A
71-07-28	13			40	A	73-05-30	844			100	A
71-08-02	13			60	A	73-06-06	75			110	A
71-08-04	13			40	A	73-06-13	325			100	A
71-08-11	13			60	A	73-06-20	45			90	A
71-08-18	13			50	A	73-06-27	18			80	A
71-08-25	13			50	A	73-07-11	18			70	A
71-09-01	13			60	A	73-07-18	18			90	A
71-09-08	26			50	A	73-07-24	18			80	A
71-09-15	26			40	A	73-08-02	18			90	A
71-09-30	27			60	A	73-08-08	18			100	A
71-10-06	27			60	A	73-08-15	18			70	A
71-10-13	21			60	A	73-08-22	18			40	A
71-10-20	16			50	A	73-08-29	18			50	A
71-10-27	16			70	A	73-09-06	18			60	A
71-11-03	15			80	A	73-09-12	18			110	A
71-11-10	16			60	A	73-09-19	13			80	A
71-11-17	16			70	A	73-09-21	13			80	A
71-11-24	14			40	A	73-10-03	3260			70	A
71-12-01	16			30	A	73-10-10	678			240	A
71-12-08	17			30	A	73-10-17	4310			140	A
71-12-22	1060			30	A	73-10-31	1060			90	A

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

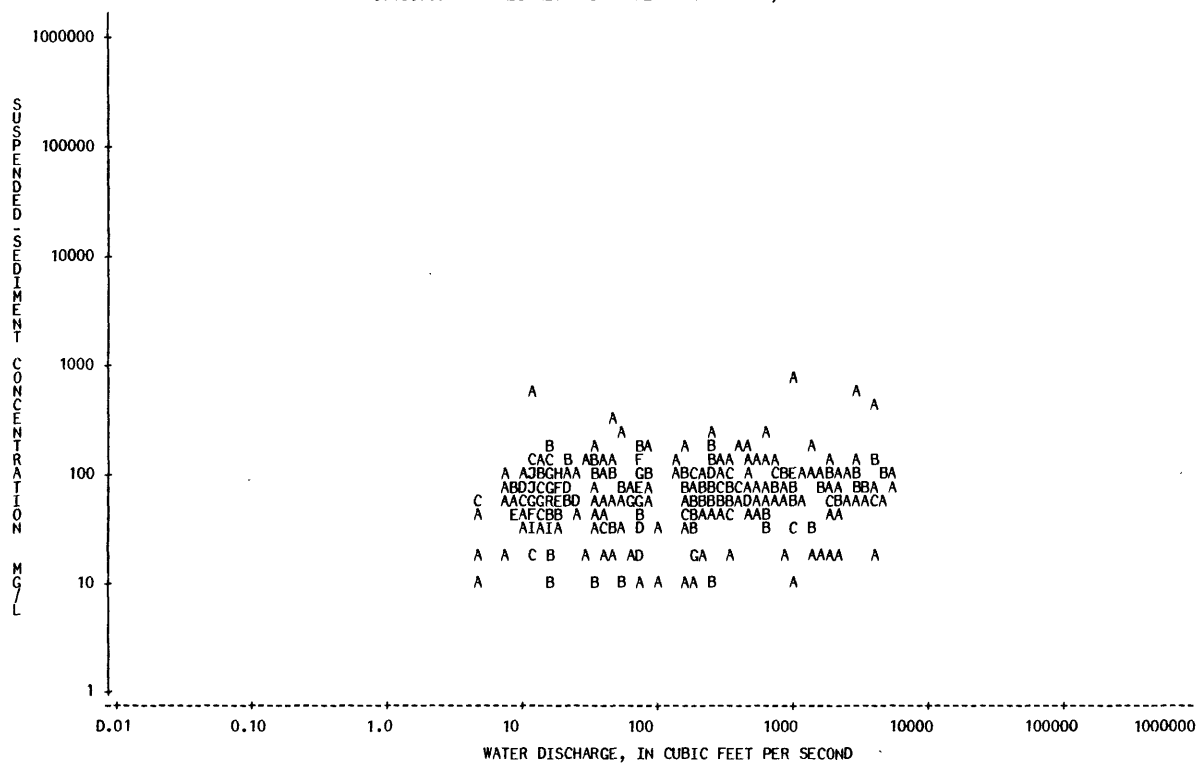
## ARKANSAS RIVER BASIN

07168000 FALL RIVER LAKE NEAR FALL RIVER, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-11-07			250	100	A	75-09-17			12	60	A
73-11-14			132	130	A	75-10-01			12	30	A
73-11-21			75	130	A	75-10-08			12	20	A
73-11-28			795	80	A	75-10-15			12	110	A
73-12-05			533	120	A	75-10-21			12	110	A
73-12-12			1080	50	A	75-10-29			12	70	A
73-12-26			355	70	A	75-11-05			12	100	A
74-01-02			360	50	A	75-11-12			12	100	A
74-01-20			1070	90	A	75-11-19			12	80	A
74-01-23			2120	70	A	75-11-26			12	60	A
74-01-30			761	90	A	75-12-03			12	40	A
74-02-06			169	160	A	75-12-10			12	50	A
74-02-20			250	140	A	75-12-17			12	50	A
74-02-27			1000	10	A	75-12-24			12	40	A
74-03-06			250	90	A	75-12-30			12	30	A
74-03-20			2310	60	A	76-01-07			12	60	A
74-03-27			2130	20	A	76-01-14			12	30	A
74-04-03			666	120	A	76-01-21			12	40	A
74-04-10			84	100	A	76-01-28			12	30	A
74-04-17			84	100	A	76-02-04			12	30	A
74-04-24			348	80	A	76-02-19			12	80	A
74-05-01			170	80	A	76-02-25			12	20	A
74-05-09			276	120	A	76-03-03			12	90	A
74-05-15			254	200	A	76-03-10			12	40	A
74-05-22			147	100	A	76-03-11			12	50	A
74-05-29			55	240	A	76-03-17			12	30	A
74-06-05			1020	680	A	76-03-24			12	70	A
74-06-12			80	160	A	76-03-31			12	40	A
74-06-19			2860	110	A	76-04-07			12	30	A
74-06-26			416	180	A	76-04-14			12	70	A
74-07-10			45	50	A	76-04-21			12	140	A
74-07-17			45	110	A	76-04-28			12	70	A
74-07-24			40	100	A	76-05-05			2500	90	A
74-07-31			33	140	A	76-05-12		10.0	10.0	30	A
74-08-07			33	180	A	76-05-19		10.0	10.0	90	A
74-08-14			33	150	A	76-05-26			90	80	A
74-08-22			33	90	A	76-06-02		350	350	100	A
74-08-28			33	60	A	76-06-09			75	160	A
74-09-11			3040	80	A	76-06-16			13	110	A
74-09-18			169	100	A	76-06-23			13	150	A
74-09-25			75	100	A	76-06-30			40	130	A
74-10-02			75	60	A	76-07-14		3890	3890	80	A
74-10-16			75	150	A	76-07-21			75	140	A
74-10-23			75	150	A	76-07-28			15	100	A
74-10-30			224	70	A	76-08-04			15	140	A
74-11-13			2740	50	A	76-08-11			15	190	A
74-11-20			2940	500	A	76-08-18			15	130	A
74-11-27			180	40	A	76-08-25			15	50	A
74-12-04			257	120	A	76-09-01			15	90	A
74-12-11			225	90	A	76-09-08			15	110	A
74-12-19			1040	100	A	76-09-15			15	130	A
74-12-26			506	80	A	76-09-21			15	110	A
75-01-02			252	80	A	76-10-13			15	90	A
75-01-08			1020	90	A	76-10-20			15	170	A
75-01-15			420	80	A	76-10-28			15	60	A
75-01-22			272	50	A	76-11-03			15	50	A
75-01-29			250	10	A	76-11-10		160	160	90	A
75-02-05			1840	40	A	76-11-17			15	30	A
75-02-12			1690	20	A	76-11-24			15	10	A
75-02-19			660	50	A	76-12-01			15	60	A
75-02-26			1360	30	A	76-12-08			15	40	A
75-03-06			660	40	A	76-12-15			15	30	A
75-03-12			660	30	A	76-12-22			15	50	A
75-03-20			1380	20	A	76-12-29			15	80	A
75-03-26			1300	30	A	77-01-05			15	30	A
75-04-02			2090	40	A	77-01-12			15	50	A
75-04-16			500	60	A	77-01-19			15	60	A
75-04-23			165	40	A	77-01-27			15	70	A
75-04-30			165	40	A	77-02-02			15	30	A
75-05-07			165	10	A	77-02-09			15	30	A
75-05-14			75	20	A	77-02-16			15	60	A
75-05-21			250	10	A	77-02-23			15	70	A
75-05-28			1080	30	A	77-03-02			15	50	A
75-06-03			1050	70	A	77-03-09			15	60	A
75-06-11			20	60	A	77-03-16			15	40	A
75-06-18			50	310	A	77-03-23			15	30	A
75-06-25			2120	110	A	77-03-30			15	90	A
75-07-02			250	180	A						
75-07-09			45	20	A						
75-07-16			45	30	A						
75-07-23			13	30	A						
75-07-30			12	20	A						
75-08-06			5.0	20	A						
75-08-13			5.0	60	A						
75-08-20			5.0	50	A						
75-08-24			5.0	10	A						
75-08-27			5.0	40	A						
75-09-03			12	50	A						
75-09-10			12	30	A						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
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## ARKANSAS RIVER BASIN

07168500 FALL RIVER NEAR FALL RIVER, KANS.

LOCATION.--Lat 37°38'34", long 96°03'33", in SW 1/4 NE 1/4 sec.2, T.28 S., R.12 E., Greenwood County, Hydrologic Unit 11070102, on downstream side of highway bridge, 0.3 mi (0.5 km) downstream from Fall River Dam, 2.5 mi (4.0 km) upstream from Salt Creek, 3.0 mi (4.8 km) northwest of town of Fall River, and at mile 53.9 (86.7 km).

DRAINAGE AREA.--585 mi<sup>2</sup> (1,515 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-49, 1951-52, 1955, 1957-78.

REMARKS.--Flow regulated since 1949 by Fall River Lake, 0.3 mi (0.5 km) upstream. Initial upstream floodwater-retarding structure was completed in June 1964. Construction was completed in 1971 with 150 mi<sup>2</sup> (388 km<sup>2</sup>) of the drainage area above the station controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	OATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
40-04-17			4780	7600	A	98100	45-04-15		18500	2700	A	135000
40-04-18			1330	3600	A	12900	45-04-26		2000	1300	A	7020
40-04-29			897	1500	A	3630	45-06-13		61	100	A	16
40-06-18			936	2900	A	7330	45-06-29		74	100	A	20
40-09-24			478	1300	A	1680	45-07-01		3460	3600	A	33600
40-11-30			21	100	A	5.7	45-07-10		98	200	A	53
41-01-02			598	2000	A	3230	45-07-19		14	300	A	11
41-01-15			829	600	A	1340	45-07-31		32	300	A	26
41-01-17			2470	2600	A	17300	45-09-24		6810	700	A	12900
41-01-28			324	500	A	437	45-09-28		19100	2700	A	139000
41-04-14	0001		2420	3100	A	20300	45-10-10		264	100	A	71
41-04-14	0002		4630	4500	A	56300	46-01-09		1660	800	A	3590
41-09-03			445	400	A	481	46-02-19		1260	900	A	3060
41-10-02			1850	500	A	2500	46-03-06		1200	1400	A	4540
41-10-23			832	100	A	225	46-03-20		392	400	A	423
41-11-07			576	300	A	467	46-04-23		1570	700	A	2970
41-12-30			160	200	A	86	47-04-05	0001	8970	2500	A	60500
42-02-23			2760	1600	A	11900	47-04-05	0002	5870	2400	A	38000
42-04-27			12100	8300	A	271000	47-04-06		1020	1200	A	3300
42-04-28			17500	3400	A	161000	47-05-01		1500	900	A	3650
42-05-12			478	200	A	258	47-05-28		537	200	A	290
43-06-11			456	400	A	492	47-07-02		129	500	A	174
44-02-29			105	100	A	28	48-03-02		1490	2900	A	11700
44-03-30			315	200	A	170	48-03-03		506	600	A	820
44-04-21			549	200	A	296	48-03-17		200	200	A	108
44-04-23			41500	6000	A	672000	48-03-22		270	400	A	292
44-05-10			346	400	A	374	48-03-29		176	200	A	95
44-07-04			22	100	A	5.9	48-04-26		620	400	A	670
44-07-18			24	100	A	6.5	48-06-17		645	900	A	1570
44-08-01			12	200	A	6.5	48-06-18		5100	9100	A	125000
44-08-19			5.0	100	A	1.4	48-07-12		5250	2800	A	39700
44-08-31			60	100	A	16	48-07-17		14100	3500	A	133000
44-09-19			3.0	300	A	2.4	48-07-19		2820	2100	A	16000
44-10-07			115	100	A	31	49-01-17		631	1400	A	2390
44-10-19			22	300	A	18	49-02-09		3500	200	A	1890
44-11-01			10.0	200	A	5.4	49-03-31		3860	100	A	1040
44-11-13			20	200	A	11	51-05-28		4620	200	A	2490
44-11-28			54	400	A	58	51-05-29		6520	100	A	1760
44-12-04			5090	2000	A	27500	52-03-12		2280	200	A	1230
44-12-05			18700	2200	A	111000	55-05-09		20	100	A	5.4
44-12-13			347	600	A	562	57-06-06		3960	100	A	1070
44-12-26			182	1500	A	737	57-06-07		7670	100	A	2070
45-01-10			113	400	A	122	57-06-11		3750	100	A	1010
45-01-23			108	400	A	117	57-06-21		4910	100	A	1330
45-02-06			111	300	A	90	57-06-24		3840	100	A	1040
45-02-23			194	400	A	210	57-06-27		6540	100	A	1770
45-03-08			163	100	A	44	57-07-01		1750	100	A	473
45-03-19			2980	1900	A	15300	57-07-02		896	100	A	242
45-03-23			518	100	A	140	57-07-03		357	100	A	96
45-03-24	0001		12220	7300	A	241000	57-07-08		159	100	A	43
45-03-24	0002		17600	7300	A	347000	57-07-24		550	100	A	148
45-04-11			8390	4500	A	102000	58-03-11		1800	100	A	486
45-04-12			1050	1000	A	2840	58-03-12		4290	100	A	1160

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

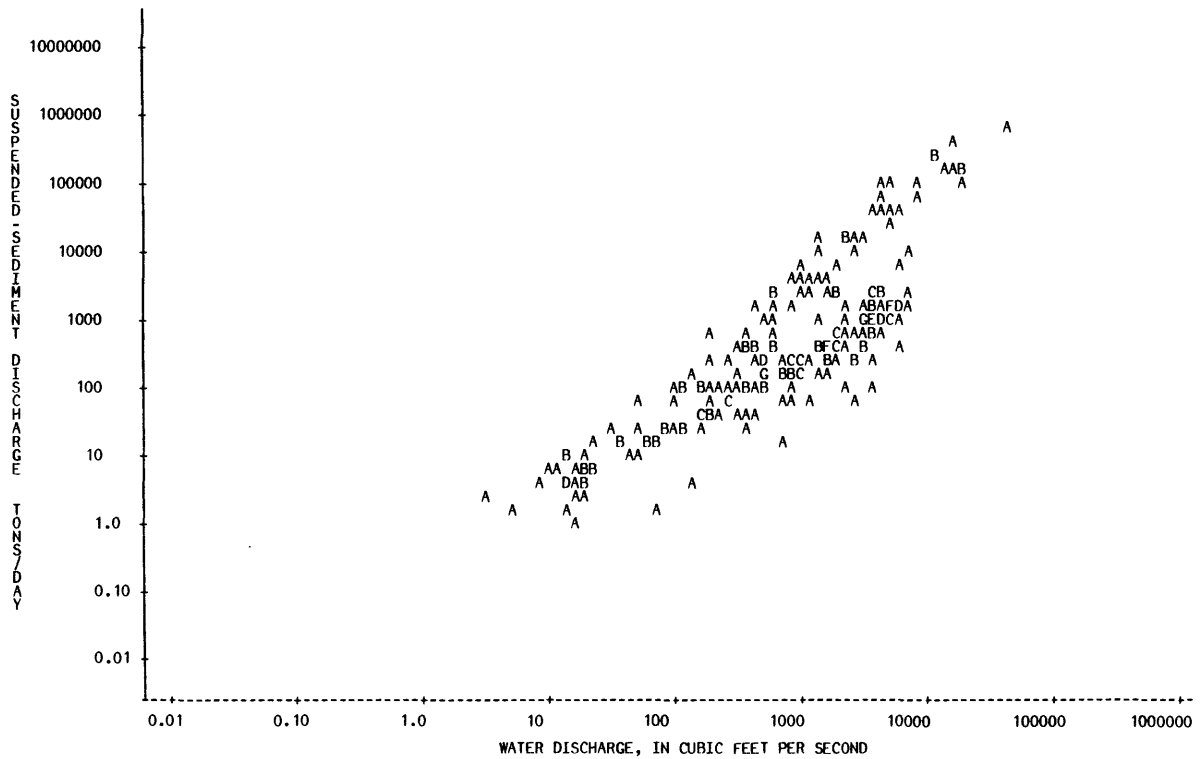
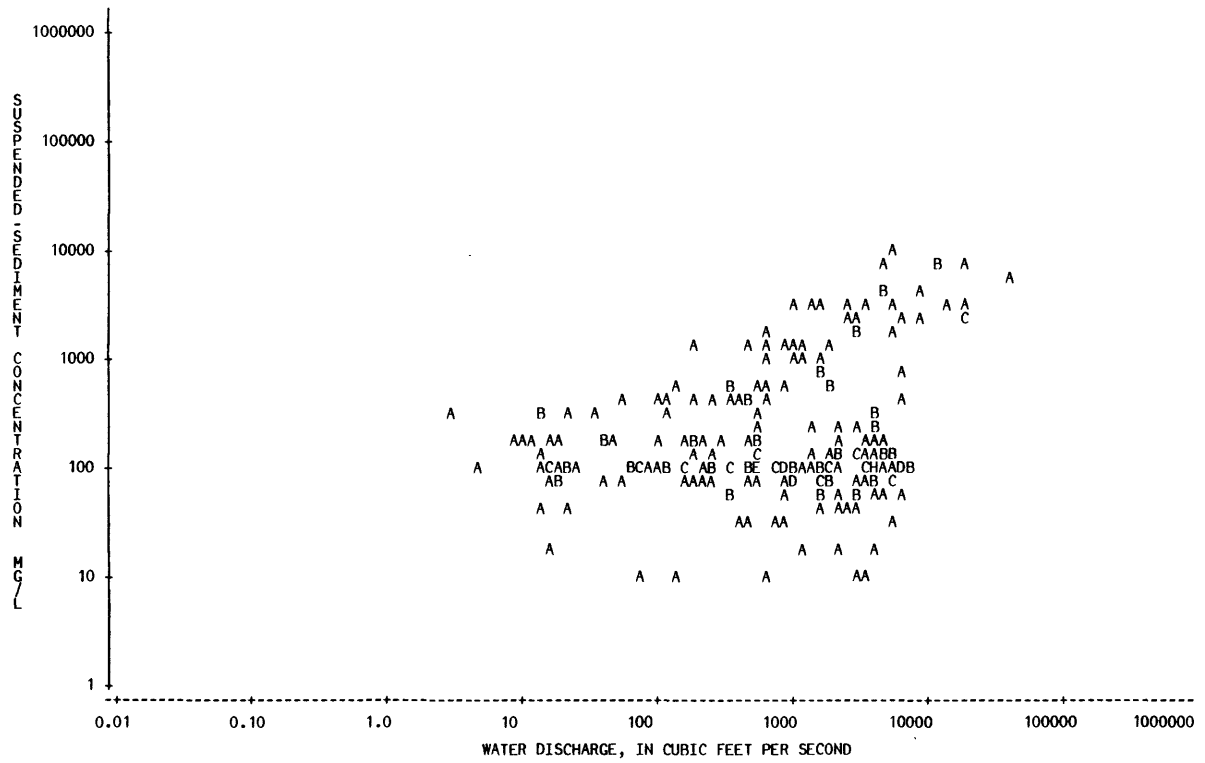
07168500 FALL RIVER NEAR FALL RIVER, KANS.--CONTINUED

183

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-06-26			2030	100	A 548	73-07-16			18	80	A 3.9
59-07-21			5880	100	A 1590	73-09-11			20	80	A 4.3
60-06-08			1020	100	A 275	73-09-14			353	50	A 48
61-03-09			698	100	A 188	73-09-24			14	40	A 1.5
61-05-24			3830	300	A 3100	73-10-02			3290	80	A 711
61-05-25			7170	100	A 1940	73-10-05			1520	80	A 328
61-05-29			3210	100	A 867	73-10-18			4190	90	A 1020
61-06-01			217	200	A 117	73-10-26			1350	120	A 437
61-08-18			166	100	A 45	73-11-05			502	100	A 136
61-09-07			1530	100	A 413	73-11-26			827	90	A 201
61-09-19			3840	300	A 3110	74-03-26			2130	20	A 115
61-09-28			5640	100	A 1520	74-04-08			272	140	A 103
61-10-17			6000	100	A 1620	74-04-24			348	110	A 103
62-03-26			872	100	A 235	74-05-13			232	80	A 50
62-05-03			118	100	A 32	74-05-23			79	110	A 23
62-06-06			324	100	A 87	74-06-14			1230	90	A 299
62-09-28			3410	100	A 921	74-06-18			2950	130	A 1040
62-10-04			694	100	A 187	74-06-28			185	130	A 65
63-03-13			1960	80	A 423	74-07-09			40	160	A 17
63-05-27			510	110	A 151	74-08-06			527	150	A 213
64-04-08			16	110	A 4.8	74-08-12			39	180	A 19
64-11-13			16	20	A 0.86	74-08-30			527	100	A 142
64-11-18			1440	210	A 816	74-09-06			2010	150	A 814
64-11-19			1860	120	A 603	74-09-09			3110	60	A 504
64-11-20			3730	160	A 1610	74-09-12			485	80	A 105
64-11-23			6040	60	A 978	74-09-24			80	110	A 24
64-11-30			820	80	A 177	75-05-09			540	90	A 131
64-12-11			677	10	A 18	75-05-22			73	10	A 2.0
65-03-02			555	150	A 225	75-06-03			1050	110	A 312
65-03-18			1440	110	A 428	75-06-20			3150	50	A 425
65-04-07			2940	140	A 1110	75-07-09			49	160	A 21
65-04-08			5990	420	A 6790	75-08-11			14	110	A 4.2
65-04-12			5210	140	A 1970	75-10-21			13	320	A 11
65-04-13			3240	110	A 962	75-11-05			204	90	A 50
65-04-14			2240	120	A 726	76-05-03			840	30	A 68
65-04-15			568	220	A 337	76-05-05			252	80	A 54
65-06-07			2240	240	A 1450	76-07-12			4120	100	A 1110
65-06-16			5340	130	A 1870	76-08-18			15	110	A 4.5
65-06-18			5520	80	A 1190	76-09-13			13	120	A 4.2
65-06-21			4300	120	A 1390	76-10-28			17	70	A 3.2
65-06-25			1000	70	A 189	77-05-16			16	170	A 7.3
65-09-16			143	10	A 3.9	77-05-25			9.0	160	A 3.9
65-10-01			169	70	A 32	77-06-08			775	100	A 209
67-09-18			2530	40	A 273	77-07-01			3820	70	A 722
67-09-20			1750	100	A 473	77-09-01	0900		530	130	A 186
67-10-10			2800	70	A 529	77-09-19	1115		516	80	A 111
67-11-03			3500	10	A 95	77-11-07	1245	1130		20	A 61
68-06-17			1580	110	A 469	77-11-17	1130	716		30	A 58
68-06-19			4040	60	A 654	78-02-28	1230	1510		50	A 204
68-07-13			256	90	A 62	78-03-15	0945	381		30	A 31
68-10-02			850	50	A 115						
68-11-21			2090	40	A 226						
69-03-26			3130	210	A 1770						
69-04-28			3810	210	A 2160						
69-04-30			4860	140	A 1840						
69-06-04			5080	80	A 1100						
69-06-13			4610	60	A 747						
69-06-23			976	80	A 211						
69-06-30			4310	270	A 3140						
69-07-16			70	90	A 17						
69-07-27			54	70	A 10						
69-10-16			1050	70	A 198						
70-04-03			2750	40	A 297						
70-04-07			3900	20	A 211						
70-04-22			4920	130	A 1730						
70-04-24			5410	70	A 1020						
70-05-05			1640	50	A 221						
70-06-15			3290	130	A 1150						
70-06-19			3920	100	A 1060						
70-10-15			180	70	A 34						
70-11-05			41	80	A 8.9						
71-01-05			3170	120	A 1030						
71-03-02			1540	70	A 291						
71-04-27			474	90	A 115						
71-10-15			15	90	A 3.6						
71-12-22			1040	70	A 197						
72-07-12			610	640	A 1050						
72-07-18			4410	3710	A 44200						
72-07-25			1630	40	A 176						
72-08-09			21	40	A 2.3						
72-09-11			340	50	A 46						
72-11-15			1790	70	A 338						
72-11-20			476	30	A 39						
73-01-04			4160	80	A 899						
73-01-23			2750	10	A 74						
73-03-08			2240	60	A 363						
73-03-14			5810	30	A 471						
73-03-29			1660	80	A 359						
73-04-16			1980	520	A 2780						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07168500 FALL RIVER NEAR FALL RIVER, KANS.



## ARKANSAS RIVER BASIN

07169500 FALL RIVER AT FREDONIA, KANS.

LOCATION.--Lat 37°30'30", long 95°50'00", in SW 1/4 NW 1/4 sec.24, T.29 S., R.14 E., Wilson County, Hydrologic Unit 11070102, on downstream side of left pier of bridge on State Highway 96, 0.8 mi (1.3 km) upstream from Clear Creek, 1.0 mi (1.6 km) downstream from Salt Creek, 1.0 mi (1.6 km) south of Fredonia, and at mile 25.3 (40.7 km).

DRAINAGE AREA.--827 mi<sup>2</sup> (2,142 km<sup>2</sup>).

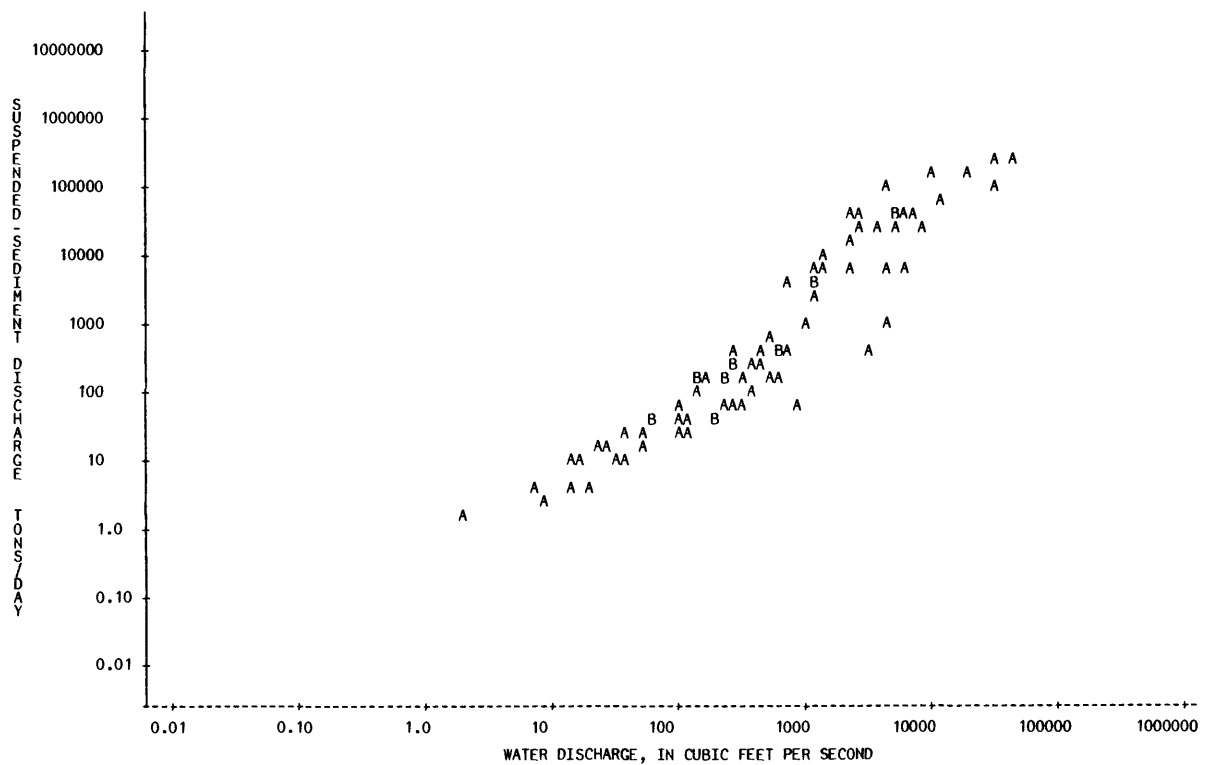
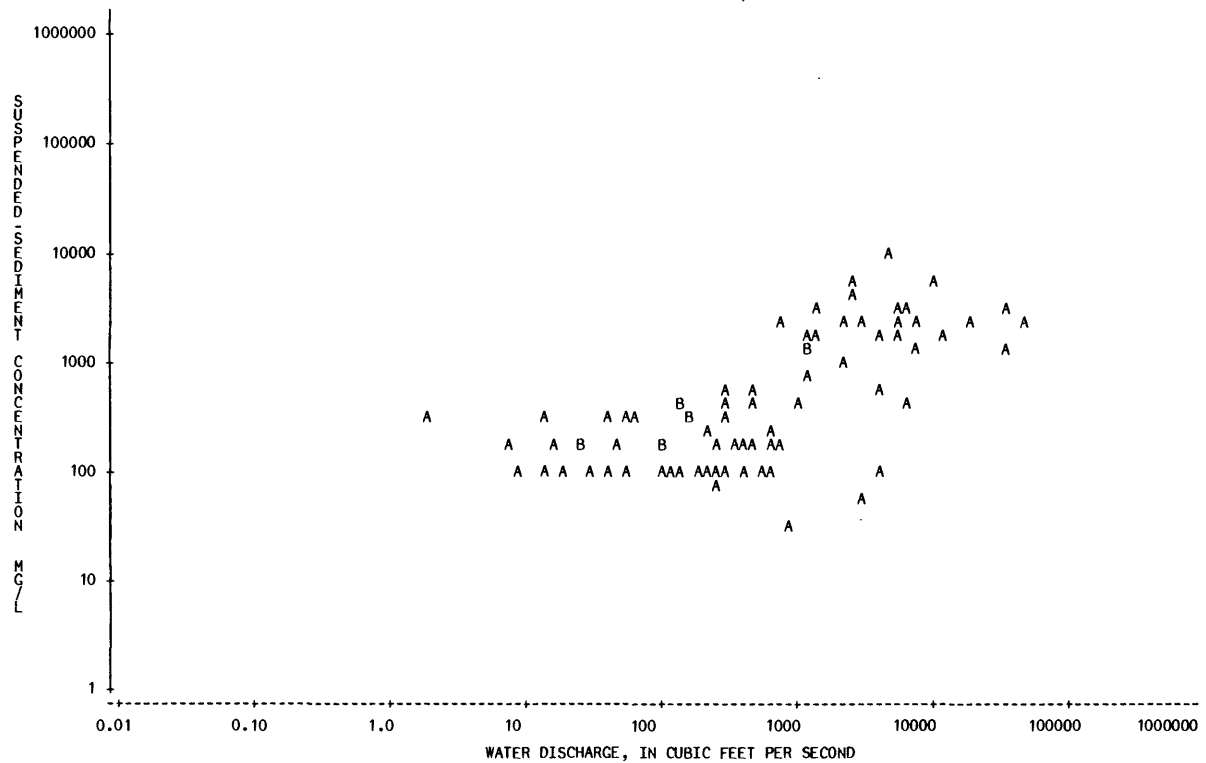
PERIOD OF RECORD.--Water years 1939-46, 1961, 1975-76.

REMARKS.--Considerable regulation since 1949 by Fall River Lake, 28.9 mi (46.5 km) upstream and during low flows by Fredonia City Water Reservoir, 1.0 mi (1.6 km) upstream. Initial upstream floodwater-retarding structure was completed in June 1964. Construction was completed in 1971 with 150 mi<sup>2</sup> (388 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-08-10			128	100	A 35	45-01-10			147	400	A 159
40-04-17			4570	9800	A 121000	45-01-24			137	400	A 148
40-04-18			5060	3500	A 47800	45-02-06			150	300	A 121
40-04-19			710	2200	A 4220	45-02-23			292	400	A 315
40-04-30			1100	1500	A 4460	45-03-23			712	200	A 384
40-05-09			2600	4700	A 33000	45-03-26			5250	1900	A 26900
40-08-14			2.0	300	A 1.6	45-04-13			1090	700	A 2060
40-11-29			93	200	A 50	45-04-16			46500	2200	A 276000
40-11-30			62	300	A 50	45-06-13			95	100	A 26
40-12-02			27	200	A 15	45-07-05			245	100	A 66
41-01-03			462	400	A 499	45-07-19			299	100	A 81
41-01-14			290	300	A 235	45-07-31			58	300	A 47
41-01-18			1470	1600	A 6350	45-09-24			7440	2200	A 44200
41-01-28			443	200	A 239	45-10-10			385	100	A 104
41-02-02			4000	1900	A 20500	61-05-09	0430		4100	551	6100
41-04-15			6020	2900	A 47100	61-05-25	1955		6020	390	6340
41-06-10			7850	1500	A 31800	61-09-15	1150		621	274	459
41-08-28			2370	6500	A 41600	75-06-20			3150	50	A 425
41-09-03			1210	1900	A 6210	75-07-09			49	160	A 21
41-09-19			160	300	A 130	75-08-11			14	110	A 4.2
41-10-02			2210	900	A 5370	75-10-21			13	320	A 11
41-12-02			384	200	A 207	75-11-05			204	90	A 50
42-02-21			515	100	A 139	76-05-03			840	30	A 68
42-02-24			1300	3400	A 11900	76-05-05			252	80	A 54
42-03-16			2920	2700	A 21300	76-07-12			4120	100	A 1110
42-03-17			2130	2600	A 15000						
42-04-27			636	100	A 172						
42-04-28			9350	6400	A 162000						
42-04-29			5300	2500	A 35800						
42-05-12			636	200	A 343						
42-05-19			229	210	A 130						
42-07-17			109	100	A 29						
42-07-31			51	100	A 14						
43-03-13			344	200	A 186						
43-05-20			33100	1300	A 116000						
43-06-05			1230	1500	A 4980						
44-03-01			183	100	A 49						
44-03-19			19100	2600	A 134000						
44-04-05			276	500	A 373						
44-04-21			979	400	A 1060						
44-04-23			34400	3000	A 279000						
44-04-24			12400	1900	A 63600						
44-05-10			483	500	A 652						
44-07-05			31	100	A 8.4						
44-07-18			37	100	A 10						
44-08-01			18	100	A 4.9						
44-08-18			8.0	100	A 2.2						
44-08-31			97	200	A 52						
44-09-19			7.0	200	A 3.8						
44-10-07			243	200	A 131						
44-10-19			39	300	A 32						
44-11-02			16	200	A 8.6						
44-11-14			24	200	A 13						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
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07169500 FALL RIVER AT FREDONIA, KANS.



## ARKANSAS RIVER BASIN

07169800 ELK RIVER AT ELK FALLS, KANS.

LOCATION.--Lat 37°22'32", long 96°11'07", in SW 1/4 SE 1/4 SE 1/4 sec.3, T.31 S., R.11 E., Elk County, Hydrologic Unit 11070104, at downstream side of bridge on U.S. Highway 160 in Elk Falls, 2.0 mi (3.2 km) upstream from Wild Cat Creek, and at mile 57.5 (92.5 km).

DRAINAGE AREA.--220 mi<sup>2</sup> (570 km<sup>2</sup>).

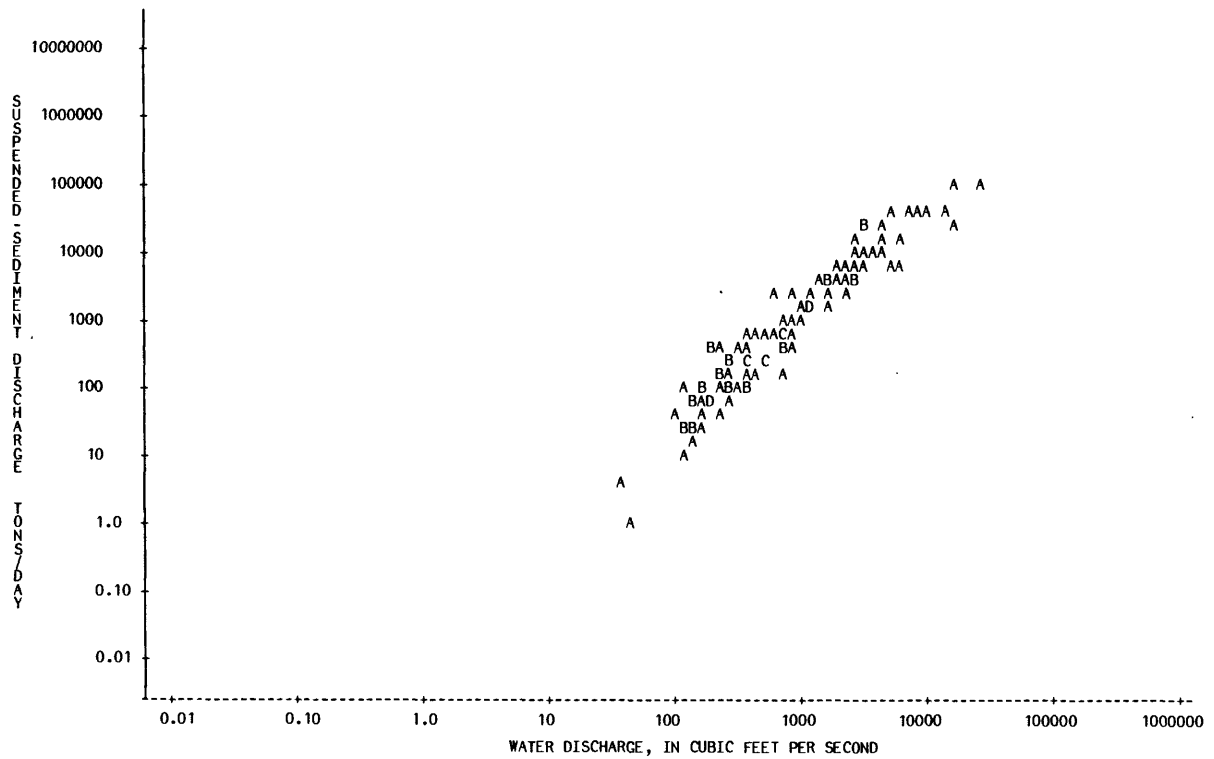
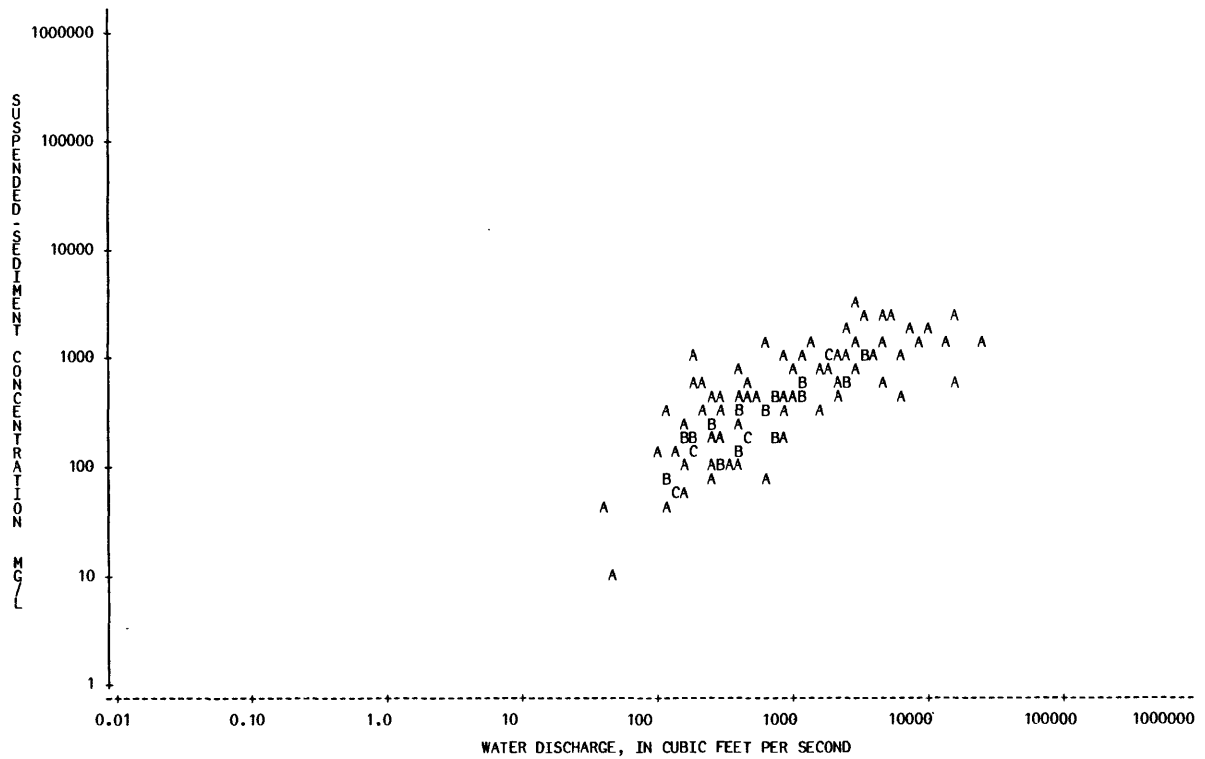
PERIOD OF RECORD.--Water years 1967-78, 1980.

REMARKS.--Initial upstream floodwater-retarding structure was completed in September 1973. Construction is continuing with 114 mi<sup>2</sup> (295 km<sup>2</sup>) of the drainage above the station controlled. Bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
67-09-05			372	490	A	492	72-07-19		2610	600	A	4230
67-09-15			871	390	A	917	72-10-31		197	630	A	335
67-09-27			1050	660	A	1870	72-11-13		6400	940	A	16200
67-10-09			251	100	A	68	72-11-16		229	600	A	371
67-10-16			390	290	A	305	73-01-02		199	930	A	500
67-10-31			2140	1050	A	6070	73-01-15		235	270	A	171
67-11-01			492	200	A	266	73-01-22		1140	440	A	1350
67-11-01	0001		3510	1160	A	11000	73-02-01		4630	1250	A	15600
67-11-02	0002		2000	680	A	3670	73-03-05		1130	450	A	1370
68-04-03			3370	2320	A	21100	73-03-06		2800	770	A	5820
68-04-04			260	440	A	309	73-03-20		699	400	A	755
68-04-23			497	490	A	658	73-03-28		372	150	A	151
68-05-14			195	120	A	63	73-04-16		2620	560	A	3960
68-05-23			594	1330	A	2130	73-04-25		2110	430	A	2450
68-05-25			9380	1560	A	39500	73-05-07		890	930	A	2230
68-10-09			5550	2610	A	39100	73-10-12		668	300	A	541
68-10-10			2610	1160	A	8170	73-11-20		5020	580	A	7860
68-10-22			2700	1790	A	13000	73-12-07		246	70	A	46
68-11-04			406	110	A	121	73-12-28		137	60	A	22
68-11-20			111	80	A	24	74-02-19		272	240	A	176
68-12-04			112	40	A	12	74-03-19		180	130	A	63
68-12-19			368	100	A	99	74-05-10		282	330	A	251
69-02-04			145	60	A	23	74-05-14		1740	990	A	4650
69-03-27			275	110	A	82	74-05-24		766	410	A	848
69-04-17			1170	580	A	1830	74-06-06		13200	1200	A	42800
69-04-18			1420	1250	A	4790	74-06-10		151	160	A	65
69-04-24			118	70	A	22	74-08-29		391	660	A	697
69-05-08			4690	2290	A	29000	74-09-05		667	80	A	144
69-05-09			372	300	A	301	74-09-30		106	130	A	37
69-05-19			137	140	A	52	74-10-29		772	200	A	417
69-05-22			3010	2890	A	23500	74-11-07		484	200	A	261
69-05-26			236	200	A	127	74-12-17		162	90	A	39
69-05-30			8930	1450	A	35000	74-12-31		737	200	A	398
69-06-01			16300	640	A	28200	75-01-31		1630	700	A	3080
69-06-02			668	290	A	523	75-02-25		310	110	A	92
69-06-10			166	230	A	103	75-03-17		419	140	A	158
69-06-24			1130	610	A	1860	75-03-18		2960	1470	A	11700
69-09-16			3350	880	A	7960	75-04-07		164	160	A	71
70-04-01			7580	1690	A	34600	75-05-16		121	280	A	91
70-04-02			959	370	A	958	75-05-23		1870	1110	A	5600
70-04-09			138	50	A	19	75-06-03		4070	1140	A	12500
70-04-17			808	200	A	436	75-06-18		804	300	A	651
70-04-18			15500	2630	A	110000	76-05-27		495	170	A	227
70-04-20			585	430	A	679	76-07-02		2310	570	A	3560
70-09-23			190	130	A	67	77-05-27	1030	191	157	A	81
71-01-04			433	640	A	748	77-06-22	1250	25000	1230	A	83000
71-02-26			1770	910	A	4350	77-08-23	1320	282	160	A	122
71-05-24			221	340	A	203	77-11-15	1430	154	61	A	25
71-06-03			1170	900	A	2840	80-03-05	0845	44	10	A	1.2
71-12-16			401	260	A	282	80-04-03	0837	1640	300	A	1330
72-05-02			177	190	A	91	80-05-07	0840	38	40	A	4.1
72-07-13			296	450	A	360						
72-07-18			6480	460	A	8050						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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07169800 ELK RIVER AT ELK FALLS, KANS.





## ARKANSAS RIVER BASIN

07170000 ELK RIVER NEAR ELK CITY, KANS.

LOCATION.--Lat 37°15'59", long 95°55'04", in NE 1/4 sec.18, T.32 S., R.14 E., Montgomery County, Hydrologic Unit 11070104, at county highway bridge, 1.5 mi (2.4 km) south and 0.5 mi (0.8 km) east of Elk City, 150 ft (45.7 m) downstream from Salt Creek, and at mile 24.7 (39.7 km).

DRAINAGE AREA.--575 mi<sup>2</sup> (1,489 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-70.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-03			269		300 A	218			49-06-09	9680	* 2000 A 52300
40-12-03			31	*	200 A	17			49-08-01	222	* 200 A 120
41-01-14			103	*	200 A	56			50-06-02	2040	* 1900 A 10500
41-01-16			461	*	200 A	249			50-08-01	2310	* 1100 A 6860
41-01-27			401	*	300 A	325			51-05-22	8800	* 3200 A 76000
41-02-02			2280		1000 A	6160			51-06-30	76400	* 600 A 124000
41-10-17			1540	*	300 A	1250			51-07-01	17000	* 600 A 27500
41-10-31			5450	*	900 A	13200			51-07-13	4600	* 1400 A 17400
41-11-01			5720	*	800 A	12400			52-03-10	9000	* 2500 A 60800
41-11-20			1090	*	500 A	1470			53-03-04	104	* 500 A 140
42-02-18			390	*	300 A	316			54-04-22	205	* 800 A 443
42-03-16			1030	*	1700 A	4730			54-04-23	617	* 770 A 1280
42-05-13			139	*	200 A	75			54-04-27	3730	3800 A 38300
42-05-20			93	*	500 A	126			54-04-30	5970	* 2450 A 39500
42-06-11			54	*	100 A	15			54-05-02	15600	1310 A 55200
42-06-18			8880	*	3800 A	91100			54-05-07	113	* 80 A 24
42-06-21			11700		2800 A	88500			55-05-20	362	680 A 665
42-06-22			9970	*	1100 A	29600			55-05-26	19400	3380 A 177000
42-09-04			9320	*	1300 A	32700			55-10-04	324	520 A 455
43-05-29			262	*	100 A	71			56-06-23	214	2050 A 1180
43-06-04			12200		3200 A	105000			57-04-22	122	320 A 105
43-06-22			12600		3200 A	109000			57-04-24	968	1370 A 3580
44-03-18			13100	*	5500 A	195000			57-05-01	1590	1990 A 8540
44-03-19			9340	*	9700 A	245000			57-05-10	883	950 A 2260
44-04-05			108	*	300 A	87			57-05-13	1370	1570 A 5810
44-04-10			32000		2200 A	190000			57-05-14	559	350 A 528
44-06-02			124	*	200 A	67			57-05-19	1340	490 A 1770
44-06-14			456	*	200 A	246			57-05-29	10800	1090 A 31800
44-06-28			21	*	400 A	23			57-06-04	783	400 A 846
44-08-26			1320	*	900 A	3210			57-06-12	10700	1110 A 32100
44-09-01			25	*	200 A	14			57-06-18	10600	810 A 23200
45-03-24			2740	*	2200 A	16300			57-06-19	3240	570 A 4990
45-04-16			29000	*	1500 A	117000			57-06-24	1920	670 A 3470
45-09-24			13500	*	2200 A	80200			57-11-14	604	630 A 1030
45-09-25			15100	*	1300 A	53000			58-03-05	105	90 A 26
45-09-28			15300	*	1400 A	57800			58-03-10	1610	480 A 2090
46-02-21			417	*	600 A	676			58-03-14	2830	440 A 3360
46-03-12			186	*	100 A	50			58-03-24	11300	1160 A 35400
46-03-26			924	*	300 A	748			58-04-03	14200	3250 A 125000
46-04-23			3240	*	2300 A	20100			58-04-14	500	80 A 108
46-08-26			1070	*	600 A	1730			58-05-07	377	190 A 193
46-09-10			132	*	900 A	321			58-07-07	3850	1100 A 11400
47-03-20			177	*	100 A	48			59-04-08	601	590 A 957
47-04-05			11100	*	3400 A	102000			59-04-15	161	80 A 35
47-04-11			10200	*	1800 A	49600			59-05-17	3240	7160 A 62600
47-04-30			605	*	200 A	327			59-05-18	4370	2730 A 32200
47-05-20			6830	*	1900 A	35000			59-07-24	263	150 A 107
48-04-25			5610	*	3200 A	48500			59-07-29	102	100 A 28
48-05-10			2640	*	1600 A	11400			59-10-02	4510	1350 A 16400
48-06-22			17000		1100 A	50500			59-10-03	8010	1600 A 34600
48-06-26			7850	*	1500 A	31800			59-10-05	11300	560 A 17100
48-07-15			13100		1000 A	35400			59-10-06	2070	290 A 1620
49-04-27			11700	*	5100 A	161000			59-10-14	6090	510 A 8390

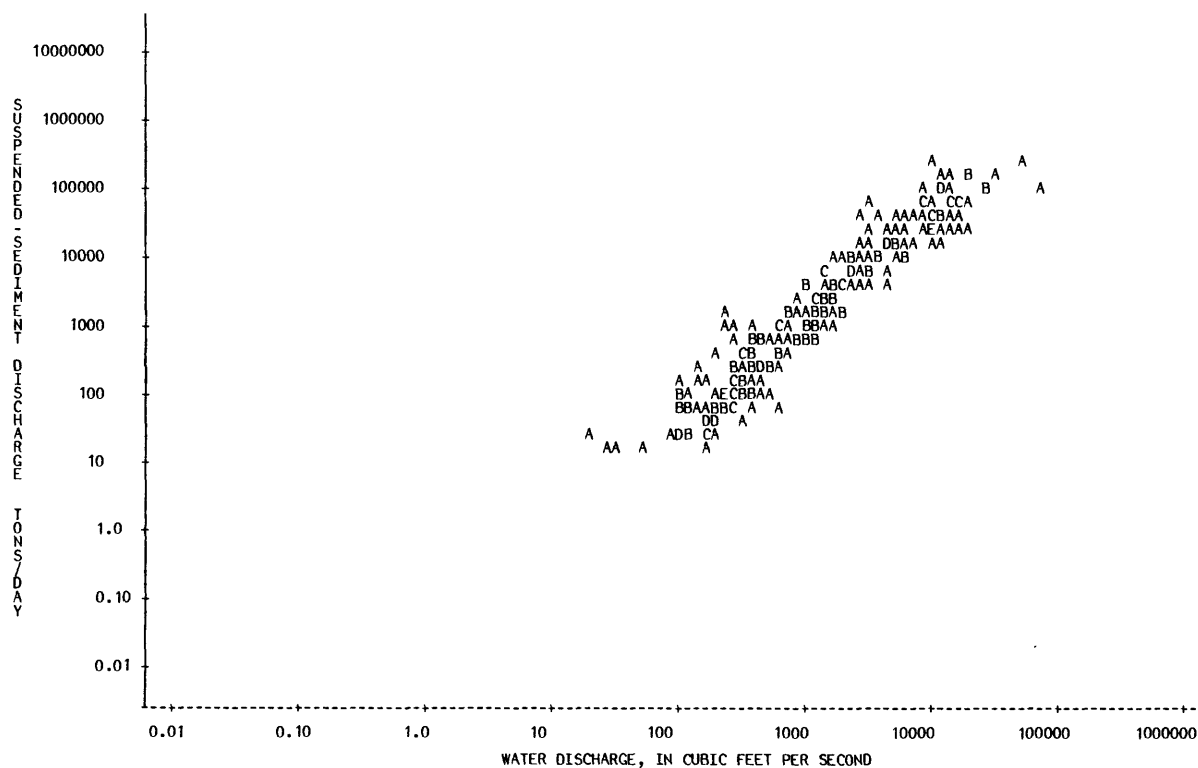
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07170000 ELK RIVER NEAR ELK CITY, KANS.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
60-01-25			102	100	A 28	68-03-11			112	90	A 27
60-03-10			1320	390	A 1390	68-04-04			3600	1010	A 9820
60-04-06			186	150	A 75	68-04-24			342	220	A 203
60-04-14			3360	1420	A 12900	68-05-15			238	200	A 129
60-04-20			186	100	A 50	68-05-25			8930	2460	A 59300
60-04-29			420	200	A 227	68-05-28			1230	660	A 2190
60-05-05			615	490	A 814	68-07-02			331	400	A 357
60-05-06			5890	1450	A 23100	68-08-20			266	270	A 194
60-06-14			120	190	A 62	68-10-23			744	750	A 1510
60-08-08			901	810	A 1970	68-11-04			1790	270	A 1300
60-12-12			258	160	A 111	68-11-19			248	90	A 60
61-03-06			2300	1760	A 10900	68-12-03			335	50	A 45
61-03-07			381	640	A 658	68-12-19			1100	600	A 1780
61-03-20			765	200	A 413	69-01-06			162	50	A 22
61-03-21			1490	280	A 1130	69-01-20			201	70	A 38
61-04-14			335	150	A 136	69-02-04			428	100	A 116
61-04-21			406	800	A 877	69-02-18			306	100	A 83
61-04-25			2680	1120	A 8100	69-03-25			4200	450	A 5100
61-05-01			9940	1890	A 50700	69-03-27			603	130	A 212
61-05-06			51300	2220	A 307000	69-04-09			1650	910	A 4050
61-05-08			17200	1700	A 78900	69-04-18			3160	700	A 5970
61-05-09			9800	530	A 14000	69-04-21			390	120	A 126
61-05-09	0510		5200	742	A 10400	69-05-06			214	150	A 87
61-05-17			185	100	A 50	69-05-09			2450	860	A 5690
61-05-22			4620	1190	A 14800	69-05-19			282	160	A 122
61-05-23			1700	500	A 2300	69-05-23			752	840	A 1710
61-05-23	2220		1110	312	A 935	69-05-30			13000	1470	A 51600
61-06-08			992	270	A 723	69-06-02			11500	670	A 20800
61-06-14			1890	870	A 4440	69-06-03			1190	330	A 1060
61-07-24			272	200	A 147	69-06-04			634	190	A 325
61-09-06			250	320	A 216	69-06-05			479	190	A 246
61-09-14			26400	1190	A 84800	69-06-06			374	220	A 222
61-09-15	1230		1840	830	A 4120	69-06-09			1740	840	A 3950
61-10-02			160	100	A 43	69-06-10			663	40	A 72
61-10-16			281	80	A 61	69-06-18			1020	280	A 771
61-10-31			6860	770	A 14300	69-09-16			5670	1120	A 17100
61-11-03			18200	650	A 31900	69-10-13	0001		967	420	A 1100
61-11-09			362	80	A 78	69-10-13	0002	14100	680	A 25900	
61-11-13			3420	820	A 7570	69-10-14			1190	240	A 771
61-12-14			168	30	A 14	69-10-15			451	150	A 183
62-01-11			153	90	A 37	69-10-16			324	120	A 105
62-01-29			1090	240	A 706	69-10-17			234	2340	A 1480
62-02-16			177	60	A 29	69-10-30			1710	310	A 1430
62-04-11			100	120	A 32						
62-07-11			1110	690	A 2070						
62-09-17			160	360	A 156						
62-09-20			418	630	A 711						
62-09-21			4930	2070	A 27600						
62-10-04			235	100	A 63						
63-01-09			273	200	A 147						
63-03-18			153	140	A 58						
63-05-27			1370	1470	A 5440						
63-06-17			321	300	A 260						
64-05-28			382	490	A 505						
64-06-10			455	230	A 283						
64-06-11			2120	1970	A 11300						
64-08-28			1310	2160	A 7640						
64-11-12			283	1460	A 1120						
64-11-17			11300	1400	A 42700						
64-11-18			4550	460	A 5650						
64-11-24			199	40	A 21						
64-12-15			184	120	A 60						
64-12-23			91	90	A 22						
65-03-08			190	160	A 82						
65-04-02			2480	5920	A 39600						
65-04-03			18500	3520	A 176000						
65-04-04			18000	1380	A 67100						
65-04-05			1160	1000	A 3130						
65-04-06			2150	660	A 3830						
65-04-09			386	110	A 115						
65-06-10			1470	1260	A 5000						
65-06-21			5280	1220	A 17400						
65-06-28			106	180	A 52						
65-09-22			804	370	A 803						
65-09-23			215	160	A 93						
66-02-10			757	360	A 736						
66-03-02			219	140	A 83						
66-03-18			249	1150	A 773						
66-04-26			155	60	A 25						
67-04-14			217	100	A 59						
67-05-15			146	350	A 138						
67-06-11			9890	1120	A 29900						
67-06-12			941	380	A 965						
67-06-20			1360	610	A 2240						
67-07-06			4600	1050	A 13000						
67-07-25			2420	870	A 5680						
67-09-06			306	410	A 339						
67-09-15			3360	2900	A 26300						
67-10-09			547	200	A 295						

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07170050 ELK CITY LAKE NEAR INDEPENDENCE, KANS.

LOCATION.--Lat 37°16'39", long 95°46'37", in SW 1/4 SW 1/4 NW 1/4 sec.9, T.32 S., R.15 E., Montgomery County, Hydrologic Unit 1107D104, on Elk River, 5.0 mi (8.0 km) northwest of Independence, and at mile 8.7 (14.0 km).

DRAINAGE AREA.--634 mi<sup>2</sup> (1,642 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1967-78.

REMARKS.--Flow completely regulated by Elk City Dam. Lake storage began in March 1966. Prior to October 1971, flow records published as "below Elk City Reservoir". Initial upstream floodwater-retarding structure was completed in September 1973. Construction is continuing with 162 mi<sup>2</sup> (420 km<sup>2</sup>) of the drainage above the station controlled. Suspended-sediment samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-07-26			510	60	A 83	68-07-29			275	160	A 119
67-08-03			84	60	A 14	68-08-05			15	80	A 3.2
67-08-07			46	80	A 9.9	68-08-19			23	200	A 12
67-08-14			13	70	A 2.5	68-08-26			72	210	A 41
67-08-21			20	50	A 2.7	68-09-03			8.0	110	A 2.4
67-08-28			7.0	40	A 0.76	68-09-09			8.0	80	A 1.7
67-09-05			112	50	A 15	68-09-16			8.0	70	A 1.5
67-09-11			3.0	40	A 0.32	68-09-23			10.0	70	A 1.9
67-09-18			715	50	A 97	68-09-30			81	80	A 17
67-09-25			82	70	A 15	68-10-01			4.0	50	A 0.54
67-10-02			345	70	A 65	68-10-14			255	110	A 76
67-10-08			11	60	A 1.8	68-10-21			385	40	A 42
67-10-16			55	90	A 13	68-10-28			4.0	60	A 0.65
67-10-23			55	80	A 12	68-11-07			111	70	A 21
67-10-30			55	70	A 10	68-11-12			90	50	A 12
67-11-02			5190	320	A 4480	68-11-18			89	50	A 12
67-11-03			5190	100	A 1400	68-11-25			275	60	A 45
67-11-06			37	50	A 5.0	68-12-02			3.0	60	A 0.49
67-11-13			208	50	A 28	68-12-09			150	120	A 49
67-11-20			48	50	A 6.5	68-12-16			236	70	A 45
67-11-27			72	20	A 3.9	68-12-23			995	80	A 215
67-12-04			663	50	A 90	68-12-30			1200	60	A 194
67-12-11			72	30	A 5.8	69-01-06			73	50	A 9.9
67-12-18			72	20	A 3.9	69-01-13			58	40	A 6.3
68-01-02			125	10	A 3.4	69-01-20			56	50	A 7.6
68-01-08			71	10	A 1.9	69-02-03			50	40	A 5.4
68-01-15			71	10	A 1.9	69-02-17			4.0	10	A 0.11
68-01-22			245	40	A 26	69-02-24			26	30	A 2.1
68-01-29			82	20	A 4.4	69-03-03			49	30	A 4.0
68-02-05			71	20	A 3.8	69-03-10			30	50	A 4.0
68-02-12			71	10	A 1.9	69-03-17			1.0	50	A 0.14
68-02-19			36	20	A 1.9	69-03-24			827	80	A 179
68-02-26			36	20	A 1.9	69-03-28			5000	100	A 1350
68-03-04			36	20	A 1.9	69-04-01			260	140	A 98
68-03-11			29	20	A 1.6	69-04-07			260	70	A 49
68-03-25			544	30	A 44	69-04-14			195	160	A 84
68-04-01			3.0	160	A 1.3	69-04-21			1700	100	A 459
68-04-09			550	90	A 134	69-04-28			2150	90	A 522
68-04-15			125	160	A 54	69-05-12			7.0	120	A 2.3
68-04-22			82	130	A 29	69-05-19			210	120	A 68
68-04-29			82	90	A 20	69-06-02			2.0	150	A 0.81
68-05-06			65	120	A 21	69-06-04			5500	240	A 3560
68-05-13			30	80	A 6.5	69-06-05			7800	150	A 3160
68-05-20			35	60	A 5.7	69-06-06			7800	140	A 2950
68-05-27			2.0	120	A 0.65	69-06-09			172	140	A 65
68-06-03			700	120	A 227	69-06-16			1050	160	A 454
68-06-10			76	230	A 47	69-06-23			1210	140	A 457
68-06-17			260	210	A 147	69-06-30			31	140	A 12
68-06-24			22	150	A 8.9	69-07-07			13	200	A 7.0
68-07-01			22	170	A 10	69-07-15			12	150	A 4.9
68-07-08			82	170	A 38	69-07-22			8.0	120	A 2.6
68-07-15			18	150	A 7.3	69-07-28			2.0	60	A 0.32
68-07-22			389	280	A 294	69-08-11			4.0	70	A 0.76

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07170050 ELK CITY LAKE NEAR INDEPENDENCE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
69-08-18			4.0	80	A	0.86	71-07-06		897	170	A	412
69-08-25			4.0	80	A	0.86	71-07-13		8.0	130	A	2.8
69-09-02			4.0	60	A	0.65	71-07-19		8.0	90	A	1.9
69-09-08			5.0	90	A	1.2	71-07-26		8.0	90	A	1.9
69-09-15			10.0	80	A	2.2	71-08-02		8.0	70	A	1.5
69-09-22			83	90	A	20	71-08-09		2.0	60	A	0.32
69-09-29			39	90	A	9.5	71-08-16		2.0	40	A	0.22
69-10-07			39	50	A	5.3	71-08-23		2.0	90	A	0.49
69-10-13			4.0	80	A	0.86	71-08-30		2.0	30	A	0.16
69-10-20			4500	150	A	1820	71-09-07		11	60	A	1.8
69-10-27			2.0	70	A	0.38	71-09-14		2.0	60	A	0.32
69-11-03			500	60	A	81	71-09-27		2.0	40	A	0.22
69-11-10			88	40	A	9.5	71-10-12		2.0	70	A	0.38
69-11-17			88	70	A	17	71-10-18		2.0	40	A	0.22
69-11-24			2.0	40	A	0.22	71-10-26		9.0	70	A	1.7
69-12-01			2.0	30	A	0.16	71-11-01		208	50	A	28
69-12-08			2.0	20	A	0.11	71-11-08		208	50	A	28
69-12-15			4.0	50	A	0.54	71-11-15		208	50	A	28
69-12-22			4.0	30	A	0.32	71-11-22		110	30	A	8.9
69-12-29			4.0	20	A	0.22	71-11-29		300	40	A	32
70-01-05			1150	10	A	31	71-12-06		250	30	A	20
70-01-12			64	30	A	5.2	71-12-13		250	20	A	13
70-01-19			73	10	A	2.0	71-12-20		3350	130	A	1180
70-01-26			73	20	A	3.9	71-12-27		3350	80	A	724
70-02-02			83	20	A	4.5	72-01-03		200	60	A	32
70-02-09			11	20	A	0.59	72-01-10		74	70	A	14
70-02-16			11	30	A	0.89	72-01-17		80	50	A	11
70-02-24			844	10	A	23	72-01-24		28	40	A	3.0
70-03-02			844	10	A	23	72-01-31		84	30	A	6.8
70-03-09			239	10	A	6.5	72-02-07		14	20	A	0.76
70-03-18			29	20	A	1.6	72-02-14		2100	10	A	57
70-03-23			29	10	A	0.78	72-02-22		14	60	A	2.3
70-03-30			29	20	A	1.6	72-02-28		55	80	A	12
70-04-13			2.0	140	A	0.76	72-03-06		65	80	A	14
70-04-24			74	30	A	6.0	72-03-13		12	1100	A	36
70-04-28			66	210	A	37	72-03-20		20	130	A	7.0
70-05-11			5.0	280	A	3.8	72-03-27		12	130	A	4.2
70-05-25			5.0	240	A	3.2	72-04-03		12	90	A	2.9
70-06-04			249	130	A	87	72-04-11		17	100	A	4.6
70-06-08			230	10	A	6.2	72-04-24		21	100	A	5.7
70-06-15			2100	70	A	397	72-05-01		0.20	60	A	0.03
70-06-22			800	390	A	842	72-05-08		0.20	50	A	0.03
70-06-30			35	130	A	12	72-05-15		0.20	80	A	0.04
70-07-06			11	150	A	4.5	72-05-22		0.20	120	A	0.06
70-07-13			11	100	A	3.0	72-05-30		0.10	100	A	0.03
70-07-27			11	80	A	2.4	72-06-05		2.0	60	A	0.32
70-08-03			11	80	A	2.4	72-06-12		9.0	50	A	1.2
70-08-10			13	50	A	1.8	72-06-19		9.0	80	A	1.9
70-08-17			13	50	A	1.8	72-07-10		9.0	60	A	1.5
70-08-24			13	70	A	2.5	72-07-17		8.0	60	A	1.3
70-08-31			13	60	A	2.1	72-07-24		8.0	180	A	3.9
70-09-07			13	70	A	2.5	72-07-31		330	40	A	36
70-09-14			13	60	A	2.1	72-08-07		27	80	A	5.8
70-09-28			11	40	A	1.2	72-08-14		10.0	70	A	1.9
70-10-05			11	30	A	0.89	72-08-21		5.0	30	A	0.41
70-10-12			4.0	30	A	0.32	72-08-28		5.0	30	A	0.41
70-10-19			4.0	30	A	0.32	72-09-04		5.0	30	A	0.41
70-10-26			4.0	20	A	0.22	72-09-11		5.0	30	A	0.41
70-11-09			4.0	20	A	0.22	72-09-25		5.0	30	A	0.41
70-11-16			4.0	10	A	0.11	72-10-03		5.0	20	A	0.27
70-11-23			4.0	30	A	0.32	72-10-09		8.0	20	A	0.43
70-11-30			4.0	30	A	0.32	72-10-16		5.0	70	A	0.95
70-12-07			4.0	10	A	0.11	72-10-30		8.0	10	A	0.22
70-12-14			4.0	20	A	0.22	72-11-06		2050	30	A	166
70-12-22			4.0	20	A	0.22	72-11-13		80	20	A	4.3
71-01-04			4.0	50	A	0.54	72-11-20		3710	40	A	401
71-01-11			515	60	A	83	72-11-27		707	40	A	76
71-01-18			87	50	A	12	72-12-04		270	30	A	22
71-01-25			72	40	A	7.8	72-12-11		360	40	A	39
71-02-08			87	50	A	12	72-12-18		290	30	A	23
71-02-16			87	40	A	9.4	72-12-26		500	10	A	13
71-03-01			850	40	A	92	73-01-02		500	40	A	54
71-03-08			850	60	A	138	73-01-08		2600	110	A	772
71-03-15			190	50	A	26	73-01-15		230	70	A	43
71-03-22			28	90	A	6.8	73-01-22		550	70	A	104
71-03-29			28	190	A	14	73-01-29		2900	150	A	1170
71-04-05			4.0	90	A	0.97	73-02-05		2200	120	A	713
71-04-12			5.0	80	A	1.1	73-02-12		300	90	A	73
71-04-19			5.0	80	A	1.1	73-02-19		140	70	A	26
71-04-26			80	90	A	19	73-02-26		300	30	A	24
71-05-03			3.0	60	A	0.49	73-03-05		148	30	A	12
71-05-10			3.0	80	A	0.65	73-03-12		1510	180	A	734
71-05-17			9.0	100	A	2.4	73-03-19		1640	240	A	1060
71-05-25			9.0	120	A	2.9	73-03-26		4.0	80	A	0.86
71-05-31			9.0	120	A	2.9	73-04-02		4.0	80	A	0.86
71-06-07			110	90	A	27	74-02-19		90	580	A	141
71-06-14			1560	220	A	927	74-02-25		1450	60	A	235
71-06-21			2.0	210	A	1.1	74-03-04		240	90	A	58
71-06-28			123	160	A	53	74-03-11		29	130	A	10

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07170050 ELK CITY LAKE NEAR INDEPENDENCE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-03-18			3120	220	A 1850	76-03-22			119	50	A 16
74-03-25			5250	140	A 1980	76-03-29			16	170	A 7.3
74-04-08			90	120	A 29	76-04-05			16	50	A 2.2
74-04-16			90	110	A 27	76-04-12			16	60	A 2.6
74-04-21			90	40	A 9.7	76-04-19			16	70	A 3.0
74-04-29			390	100	A 105	76-04-26			53	70	A 10
74-05-06			1390	80	A 300	76-05-03			2300	100	A 621
74-05-13			750	120	A 243	76-05-10			40	110	A 12
74-05-20			480	140	A 181	76-05-17			40	160	A 17
74-05-27			3140	130	A 1100	76-05-24			40	130	A 14
74-06-03			90	280	A 68	76-05-31			2550	60	A 413
74-06-10			10.0	330	A 8.9	76-06-07			28	240	A 18
74-06-17			2750	190	A 1410	76-06-14			28	190	A 14
74-07-01			30	330	A 27	76-06-21			28	180	A 14
74-07-08			17	310	A 14	76-06-28			59	120	A 19
74-07-15			43	200	A 23	76-07-12			8000	30	A 648
74-07-29			9.0	200	A 4.9	76-07-19			8000	120	A 2590
74-08-05			20	220	A 12	76-07-26			1450	100	A 392
74-08-12			20	290	A 16	76-08-02			43	120	A 14
74-08-19			20	290	A 16	76-08-09			43	270	A 31
74-08-26			46	200	A 25	76-08-16			43	270	A 31
74-09-02			147	120	A 48	76-08-23			42	200	A 23
74-09-09			1500	90	A 365	76-08-30			40	200	A 22
74-09-16			8.0	110	A 2.4	76-09-13			43	250	A 29
74-09-30			8.0	120	A 2.6	76-09-20			43	130	A 15
74-10-07			26	110	A 7.7	76-09-27			43	80	A 9.3
74-10-15			26	100	A 7.0	76-10-04			43	130	A 15
74-10-21			34	60	A 5.5	76-10-11			26	140	A 9.8
74-10-29			34	70	A 6.4	76-10-18			30	90	A 7.3
74-11-12			4000	90	A 972	76-10-25			30	90	A 7.3
74-11-18			5400	80	A 1170	76-11-01			30	60	A 4.9
74-11-25			5000	70	A 945	76-11-09			30	70	A 5.7
74-12-02			209	70	A 40	76-11-15			30	40	A 3.2
74-12-23			580	30	A 47	76-11-29			30	100	A 8.1
74-12-30			390	50	A 53	76-12-06			30	50	A 4.0
75-01-06			390	80	A 84	76-12-13			30	10	A 0.81
75-01-13			600	70	A 113	76-12-20			30	60	A 4.9
75-01-20			140	60	A 23	76-12-27			30	30	A 2.4
75-01-27			910	60	A 147	77-01-03			30	10	A 0.81
75-02-03			160	360	A 156	77-01-10			30	50	A 4.0
75-02-10			1000	190	A 513	77-01-19			1.0	60	A 0.16
75-02-24			760	170	A 349	77-01-24			1.0	20	A 0.05
75-03-03			810	110	A 241	77-02-07			1.0	60	A 0.16
75-03-16			65	100	A 18	77-02-14			1.0	30	A 0.08
75-03-24			1010	240	A 654	77-02-21			1.0	50	A 0.14
75-03-31			26	240	A 17	77-02-28			1.0	80	A 0.22
75-04-14			390	90	A 95	77-03-07			1.0	70	A 0.19
75-04-21			120	110	A 36	77-03-14			1.0	90	A 0.24
75-04-28			40	150	A 16	77-03-22			1.0	80	A 0.22
75-05-05			40	100	A 11	77-03-28			1.0	80	A 0.22
75-05-12			47	110	A 14	77-04-04			1.0	150	A 0.41
75-05-20			30	260	A 21	77-04-11			1.0	110	A 0.30
75-05-26			30	260	A 21	77-04-18			1.0	190	A 0.51
75-06-01			1000	90	A 243	77-05-02			580	90	A 141
75-06-09			1100	110	A 327	77-05-09			601	110	A 178
75-06-16			1900	100	A 513	77-05-16			0820	10.0	A 3.8
75-06-23			4000	170	A 1840	77-05-23			0900	10.0	A 2.7
75-07-14			46	90	A 11	77-05-31			0845	1160	A 345
75-07-21			46	30	A 3.7	77-06-06			0830	720	A 175
75-07-28			46	110	A 14	77-06-13			0815	90	A 9.7
75-08-04			32	80	A 6.9	77-06-20			0830	10.0	A 1.6
75-08-11			32	60	A 5.2	77-06-27			0815	2860	A 1930
75-08-18			32	90	A 7.8	77-07-05			0815	8000	A 2810
75-08-25			32	90	A 7.8	77-07-11			0815	3300	A 891
75-09-08			32	70	A 6.0	77-07-18			0815	10.0	A 4.3
75-09-15			32	70	A 6.0	77-07-25			0815	10.0	A 8.6
75-09-22			30	100	A 8.1	77-08-01			0815	10.0	A 4.9
75-09-30			30	90	A 7.3	77-08-08			0815	280	A 106
75-10-06			30	100	A 8.1	77-08-15			0800	10.0	A 7.8
75-10-13			27	60	A 4.4	77-08-22			0830	10.0	A 4.0
75-10-20			24	130	A 8.4	77-08-29			0800	280	A 318
75-10-27			24	1210	A 78	77-09-08			0830	10.0	A 3.5
75-11-03			25	40	A 2.7	77-09-12			0845	10.0	A 1.9
75-11-17			25	30	A 2.0	77-09-19			0815	800	A 216
75-11-24			30	40	A 3.2	77-09-26			0815	2.0	A 0.86
75-12-01			30	80	A 6.5	77-10-03			0900	500	A 135
75-12-08			168	30	A 14	77-10-12			0830	10.0	A 2.4
75-12-15			168	30	A 14	77-10-17			0815	10.0	A 3.0
75-12-22			168	50	A 23	77-10-25			0830	10.0	A 3.0
75-12-29			168	30	A 14	77-10-31			0815	10.0	A 1.9
76-01-05			22	10	A 0.59	77-11-07			0900	4000	A 540
76-01-12			19	50	A 2.6	77-11-14			0935	3000	A 324
76-01-19			19	20	A 1.0	77-11-21			0900	350	A 47
76-01-26			19	110	A 5.6	77-11-28			0900	350	A 47
76-02-02			19	80	A 4.1	77-12-19			0900	20	A 2.7
76-02-09			19	80	A 4.1	77-12-27			0830	565	A 61
76-02-23			19	20	A 1.0	78-01-03			0900	20	A 2.7
76-03-01			16	30	A 1.3	78-01-09			0845	20	A 4.3
76-03-15			16	30	A 1.3	78-01-17			0900	20	A 1.1

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

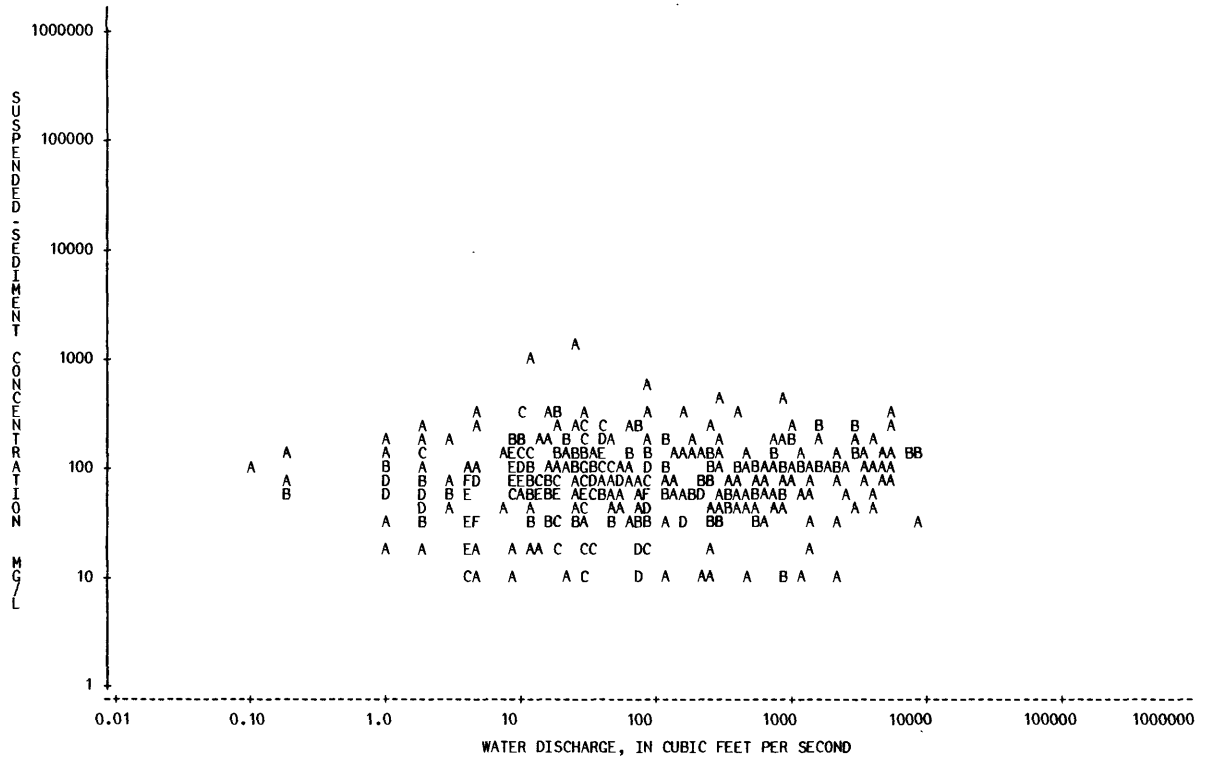
07170050 ELK CITY LAKE NEAR INDEPENDENCE, KANS.--CONTINUED

195

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-01-24		0920	20	50	A	2.7					
78-01-30		0900	20	30	A	1.6					
78-02-06		0915	20	30	A	1.6					
78-02-16		0815	20	30	A	1.6					
78-02-21		1330	5.0	10	A	0.14					
78-02-27		1600	1310	20	A	71					
78-03-06		0845	1310	30	A	106					
78-03-13		0900	85	30	A	6.9					
78-03-20		0830	5.0	30	A	0.41					
78-03-27		0915	5.0	70	A	0.95					
78-04-03		0845	620	30	A	50					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07170050 ELK CITY LAKE NEAR INDEPENDENCE, KANS.





## ARKANSAS RIVER BASIN

07170700 BIG HILL CREEK NEAR CHERRYVALE, KANS.

LOCATION.--Lat 37°16'00", long 95°28'05", in SE 1/4 SE 1/4 sec.7, T.32 S., R.18 E., Labette County, Hydrologic Unit 11070103, on right downstream abutment of bridge on county road, 4.3 mi (6.9 km) east of Cherryvale, and at mile 32.5 (52.3 km).

DRAINAGE AREA.--37 mi<sup>2</sup> (96 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1958-78, 1980.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-03-05			2.0	10	A 0.05	60-05-31			13	210	A 7.4
58-03-10			34	370	A 34	60-06-06			77	650	A 135
58-03-20			69	140	A 26	60-06-14			18	280	A 14
58-04-01			26	150	A 11	60-06-29			1.0	70	A 0.19
58-04-03			976	970	A 2560	60-07-27			4.0	60	A 0.65
58-04-04			82	320	A 71	60-10-31			77	270	A 56
58-04-15			53	90	A 13	60-11-08			5.0	90	A 1.2
58-04-23			16	50	A 2.2	60-11-16			11	130	A 3.9
58-05-06			27	170	A 12	60-12-12			38	170	A 17
58-05-21			4.0	160	A 1.7	60-12-28			2.0	10	A 0.05
58-06-03			5.0	330	A 4.5	61-01-10			1.0	20	A 0.05
58-06-16			2.0	90	A 0.49	61-01-23			1.0	30	A 0.08
58-06-23			14	390	A 15	61-02-08			1.0	20	A 0.05
58-07-01			2.0	180	A 0.97	61-02-23			14	50	A 1.9
58-07-22			8.0	50	A 1.1	61-02-27			3.0	30	A 0.24
58-08-05			2.0	110	A 0.59	61-03-16			1.0	70	A 0.19
58-08-19			0.40	60	A 0.06	61-03-20			10.0	70	A 1.9
58-09-03			0.50	130	A 0.18	61-03-27			250	530	A 358
58-09-15			0.10	60	A 0.02	61-04-10			33	120	A 11
58-10-01			0.10	40	A 0.01	61-04-25			1420	1510	A 5790
59-01-30			0.50	60	A 0.08	61-05-05			1650	1580	A 7040
59-02-10			58	840	A 132	61-05-23			256	330	A 228
59-02-12			7.0	260	A 4.9	61-06-01			7.0	40	A 0.76
59-03-06			23	40	A 2.5	61-06-13			4.0	80	A 0.86
59-04-01			7.0	160	A 3.0	61-06-23			2.0	50	A 0.27
59-04-15			8.0	50	A 1.1	61-07-06			1.0	60	A 0.16
59-04-30			5.0	280	A 3.8	61-07-24			14	140	A 5.3
59-05-11			15	230	A 9.3	61-08-07			1.0	80	A 0.22
59-07-14			1210	2230	A 7290	61-08-25			2.0	50	A 0.27
59-07-15			870	1700	A 3990	61-09-06			6.0	90	A 1.5
59-07-16			60	190	A 31	61-10-03			1.0	30	A 0.08
59-07-18			314	440	A 373	61-10-24			1.0	20	A 0.05
59-07-30			3.0	20	A 0.16	61-11-01			41	120	A 13
59-09-01			4.0	140	A 1.5	61-11-20			35	50	A 4.7
59-10-02			24	990	A 64	61-11-30			11	130	A 3.9
59-10-04			1660	880	A 3940	61-12-15			11	50	A 1.5
59-11-09			3.0	50	A 0.41	62-01-10			4.0	110	A 1.2
59-11-30			2.0	30	A 0.16	62-01-29			35	50	A 4.7
59-12-22			3.0	40	A 0.32	62-02-16			14	20	A 0.76
60-01-07			3.0	40	A 0.32	62-03-02			5.0	20	A 0.27
60-01-22			5.0	50	A 0.68	62-03-21			83	160	A 36
60-02-04			266	190	A 136	62-03-30			8.0	40	A 0.86
60-02-09			12	80	A 2.6	62-04-16			5.0	40	A 0.54
60-02-29			6.0	180	A 2.9	62-04-30			8.0	90	A 1.9
60-03-10			97	90	A 24	62-05-08			3.0	20	A 0.16
60-04-05			5.0	40	A 0.54	62-05-25			3.0	50	A 0.41
60-04-14			921	680	A 1690	62-05-29			43	430	A 50
60-04-20			13	120	A 4.2	62-06-07			5.0	80	A 1.1
60-04-29			17	210	A 9.6	62-06-08			5.0	110	A 1.5
60-05-04			4.0	140	A 1.5	62-06-21			7.0	120	A 2.3
60-05-09			12	280	A 9.1	62-07-06			2.0	60	A 0.32
60-05-20			106	250	A 72	62-09-15			289	1000	A 780
60-05-25			3.0	160	A 1.3	62-09-19			1390	1810	A 6790

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07170700 BIG HILL CREEK NEAR CHERRYVALE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
62-09-25	14			70	A	2.6	66-06-21		1.0	60	A	0.16
62-10-02	62			130	A	22	66-07-20		43	180	A	21
62-10-16	2.0			30	A	0.16	66-07-25		9.0	150	A	3.6
62-10-29	4.0			40	A	0.43	66-08-01		0.10	60	A	0.02
62-11-20	2.0			30	A	0.16	66-08-02		0.40	280	A	0.30
62-11-30	13			160	A	5.6	66-08-10		325	770	A	676
62-12-21	10.0			20	A	0.54	66-08-11		25	280	A	19
63-01-07	21			140	A	7.9	66-08-15		1.0	70	A	0.19
63-01-21	2.0			80	A	0.43	66-08-22		1.0	80	A	0.22
63-01-30	1.0			160	A	0.43	66-10-03		1.0	80	A	0.22
63-02-12	3.0			110	A	0.89	67-01-09		2.0	30	A	0.16
63-03-04	16			750	A	32	67-01-16		0.20	30	A	0.02
63-03-11	68			160	A	29	67-01-24		0.10	50	A	0.01
63-03-26	3.0			30	A	0.24	67-02-07		3.0	70	A	0.57
63-04-10	2.0			60	A	0.32	67-02-15		0.86	100	A	0.23
63-04-24	1.0			80	A	0.22	67-02-28		0.39	10	A	0.01
63-05-07	1.0			90	A	0.24	67-03-14		0.15	10	A	0.00
63-05-27	95			1130	A	290	67-03-30		0.30	40	A	0.03
63-05-31	15			230	A	9.3	67-04-03		6.0	100	A	1.6
63-06-10	0.20			60	A	0.03	67-04-11		41	40	A	4.4
63-06-19	8.0			720	A	16	67-04-14		41	150	A	17
64-04-06	14			270	A	10	67-04-18		3.0	90	A	0.73
64-04-24	1.0			1100	A	3.0	67-04-26		1.0	70	A	0.19
64-04-27	30			1130	A	92	67-05-01		0.40	40	A	0.04
64-04-29	4.0			520	A	5.6	67-05-09		0.20	40	A	0.02
64-05-06	4.0			680	A	7.3	67-05-14		149	310	A	125
64-05-11	43			270	A	31	67-05-19		211	150	A	85
64-05-12	15			270	A	11	67-05-29		12	210	A	6.8
64-05-15	2.0			150	A	0.81	67-06-11		1440	650	A	2530
64-05-19	0.30			100	A	0.08	67-06-12		124	280	A	94
64-06-05	9.0			380	A	9.2	67-06-13		33	200	A	18
64-06-11	15			280	A	11	67-06-27		6.0	140	A	2.3
64-06-15	34			110	A	10	67-06-28		949	990	A	2540
64-06-18	6.0			110	A	1.8	67-07-03		10.0	50	A	1.3
64-06-22	1.0			40	A	0.11	67-07-05		4750	1090	A	14000
64-06-23	80			370	A	80	67-07-10		7.0	40	A	0.76
64-06-24	15			170	A	6.9	67-07-24		1.0	20	A	0.05
64-06-29	25			170	A	11	67-07-25		30	240	A	19
64-09-01	0.10			430	A	0.12	67-07-31		4.0	150	A	1.6
64-11-18	7.0			210	A	4.0	67-08-14		0.70	60	A	0.11
64-11-24	1.0			50	A	0.14	67-08-22		0.20	20	A	0.01
64-12-07	0.30			10	A	0.01	67-09-15		0.40	60	A	0.06
64-12-11	28			110	A	8.3	67-09-27		64	290	A	50
64-12-14	4.0			50	A	0.54	67-10-04		0.60	100	A	0.16
65-01-06	2.0			150	A	0.81	67-10-09		9.0	70	A	1.7
65-01-21	0.50			30	A	0.04	67-10-25		0.30	20	A	0.02
65-01-22	4.0			150	A	1.6	67-10-30		157	210	A	89
65-01-26	10.0			70	A	1.9	67-10-31		1790	1030	A	4980
65-02-03	2.0			40	A	0.22	67-11-01		112	180	A	54
65-02-15	2.0			10	A	0.05	67-11-22		3.0	30	A	0.24
65-03-01	5.0			10	A	0.14	67-12-05		19	40	A	2.1
65-03-15	2.0			10	A	0.05	67-12-19		12	20	A	0.65
65-03-17	167			850	A	383	68-01-05		273	30	A	22
65-03-30	3.0			120	A	0.97	68-01-15		2.0	30	A	0.16
65-04-02	21			280	A	16	68-01-29		6.0	30	A	0.49
65-04-03	4130			1670	A	18600	68-02-12		5.0	20	A	0.27
65-04-05	201			600	A	326	68-02-27		4.0	20	A	0.22
65-04-07	45			150	A	18	68-03-11		3.0	20	A	0.16
65-04-13	9.0			90	A	2.2	68-03-27		10.0	70	A	1.9
65-05-10	18			410	A	20	68-04-03		520	1440	A	2020
65-05-17	3.0			100	A	0.81	68-04-04		37	220	A	22
65-06-08	199			1290	A	693	68-04-09		8.0	80	A	1.7
65-06-14	4.0			290	A	3.1	68-04-19		4.0	80	A	0.86
65-06-24	14			560	A	21	68-04-23		6.0	110	A	1.8
65-09-20	320			1060	A	916	68-04-29		485	50	A	65
65-09-21	641			630	A	1090	68-05-14		159	320	A	137
65-09-27	1.0			110	A	0.30	68-05-23		86	1040	A	241
65-12-27	3.0			10	A	0.08	68-05-25		1440	3120	A	12100
66-01-10	0.90			10	A	0.02	68-05-28		22	120	A	7.1
66-01-24	0.33			60	A	0.05	68-06-10		207	60	A	34
66-02-07	0.50			10	A	0.01	68-07-01		0.20	80	A	0.04
66-02-24	0.20			10	A	0.01	68-07-02		14	210	A	7.9
66-02-28	0.80			10	A	0.02	68-07-12		0.10	80	A	0.02
66-03-07	0.80			50	A	0.11	68-09-24		148	540	A	216
66-03-17	2.0			80	A	0.43	68-10-01		0.20	120	A	0.06
66-04-05	0.40			10	A	0.01	68-10-09		200	90	A	49
66-04-19	0.50			10	A	0.01	68-10-21		0.60	40	A	0.06
66-05-02	4.0			10	A	0.11	68-11-04		27	170	A	12
66-05-12	315			810	A	689	68-11-15		464	530	A	664
66-05-13	31			400	A	33	68-11-22		523	60	A	85
66-05-16	177			390	A	186	68-12-02		32	80	A	6.9
66-05-17	20			470	A	25	68-12-09		5.0	40	A	0.54
66-05-19	7.0			230	A	4.3	68-12-17		4.0	30	A	0.32
66-05-24	6.0			150	A	2.4	68-12-19		23	70	A	4.3
66-05-31	1.0			50	A	0.14	68-12-27		304	660	A	542
66-06-06	1.0			80	A	0.22	69-01-02		8.0	70	A	1.5
66-06-07	716			3180	A	6150	69-01-14		30	40	A	3.2
66-06-08	33			360	A	32	69-02-05		19	80	A	4.1
66-06-09	11			190	A	5.6	69-02-19		13	40	A	1.4

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-03-05			6.0	80	A 1.3	72-11-01			930	250	A 653
69-03-17			7.0	50	A 0.95	72-11-14			115	90	A 28
69-03-24			841	510	A 1160	72-11-30			15	10	A 0.40
69-03-26			55	130	A 19	72-12-18			5.0	10	A 0.14
69-04-08			11	80	A 2.4	73-01-08			14	40	A 1.5
69-04-09			296	470	A 376	73-01-16			45	40	A 4.9
69-04-22			14	100	A 3.8	73-01-22			505	460	A 627
69-05-01			5.0	40	A 0.54	73-01-31			44	50	A 5.9
69-05-12			4.0	110	A 1.2	73-02-01			374	340	A 343
69-05-23			37	320	A 32	73-02-12			15	50	A 2.0
69-06-02			56	290	A 44	73-02-28			6.0	20	A 0.32
69-06-09			175	340	A 161	73-03-05			123	220	A 73
69-06-16			155	150	A 63	73-03-06			1540	1410	A 5860
69-07-03			7.0	100	A 1.9	73-03-09			240	350	A 227
69-07-30			0.90	80	A 0.19	73-03-21			37	170	A 17
69-08-18			0.40	60	A 0.06	73-04-02			46	70	A 8.7
69-10-13			85	230	A 53	73-04-18			36	90	A 8.7
69-10-23			0.70	30	A 0.06	73-04-30			12	90	A 2.9
69-10-30			0.80	40	A 0.09	73-05-07			302	640	A 522
69-11-10			0.40	10	A 0.01	73-05-11			9.6	80	A 2.1
69-11-28			0.30	30	A 0.02	73-05-31			1.5	90	A 0.36
69-12-09			0.30	10	A 0.01	73-06-13			0.60	60	A 0.10
69-12-16			1.0	30	A 0.08	73-06-28			0.16	90	A 0.04
69-12-30			0.60	20	A 0.03	73-09-10			4.1	150	A 1.7
70-01-12			0.20	50	A 0.03	73-09-13			13	240	A 8.4
70-01-27			0.40	40	A 0.04	73-09-25			0.58	30	A 0.05
70-02-10			0.40	20	A 0.02	73-10-04			6.0	490	A 7.9
70-02-24			0.60	50	A 0.08	73-10-12			69	180	A 34
70-03-09			0.40	50	A 0.05	73-10-25			12	10	A 0.32
70-03-20			1.0	60	A 0.16	73-11-09			3.0	20	A 0.16
70-04-02			89	300	A 72	73-11-19			2.0	40	A 0.22
70-04-09			6.0	70	A 1.1	73-11-20			1230	1100	A 3650
70-04-17			5.0	50	A 0.68	73-11-23			21	30	A 1.7
70-04-21			31	100	A 8.4	73-12-04			1980	340	A 1820
70-04-24			205	300	A 166	73-12-17			6.0	30	A 0.49
70-04-30			2150	320	A 1860	74-01-08			7.0	40	A 0.76
70-05-11			31	320	A 27	74-02-11			6.0	10	A 0.16
70-05-15			1280	500	A 1730	74-02-19			545	640	A 942
70-05-19			14	60	A 2.3	74-02-22			148	110	A 44
70-06-01			148	290	A 116	74-03-11			744	540	A 1080
70-06-16			10.0	120	A 3.2	74-03-25			23	10	A 0.62
70-06-29			4.0	170	A 1.8	74-04-02			7.3	50	A 0.99
70-07-14			0.60	50	A 0.08	74-04-22			12	90	A 2.9
70-09-04			801	1670	A 3610	74-05-06			5.9	80	A 1.3
70-09-08			11	180	A 5.3	74-05-22			25	100	A 6.7
70-09-21			4.0	170	A 1.8	74-06-03			6.4	80	A 1.4
70-09-23			924	250	A 624	74-06-12			18	110	A 5.3
70-10-02			3.0	30	A 0.24	74-06-18			5.1	110	A 1.5
70-10-09			167	140	A 63	74-07-08			0.17	150	A 0.07
70-10-14			7.0	50	A 0.95	74-09-03			33	200	A 18
70-10-27			2.0	40	A 0.22	74-09-19			0.41	270	A 0.30
70-11-10			2.0	40	A 0.22	74-09-30	0001		11	260	A 7.7
70-11-24			2.0	60	A 0.32	74-09-30	0002		11	190	A 5.6
70-12-08			1.0	90	A 0.24	74-10-03			2200	110	A 653
70-12-22			4.0	260	A 2.8	74-10-08			0.62	140	A 0.23
71-01-04			102	100	A 28	74-10-15			253	80	A 55
71-01-11			8.0	1590	A 34	74-10-21			1.5	40	A 0.16
71-01-18			6.0	80	A 1.3	74-10-31			644	410	A 713
71-02-01			3.0	110	A 0.89	74-11-07			26	50	A 3.5
71-02-17			7.0	40	A 0.76	74-11-15			11	50	A 1.5
71-03-02			19	40	A 2.1	74-11-21			669	120	A 217
71-03-15			6.0	100	A 1.6	74-12-11			604	530	A 864
71-04-01			2.0	100	A 0.54	74-12-23	0001		6.8	80	A 1.5
71-04-09			1.0	70	A 0.19	75-01-08			19	70	A 3.6
71-05-24			436	1580	A 1860	75-01-24			5.5	30	A 0.45
71-06-03			125	730	A 246	75-01-31			828	580	A 1300
71-06-11			66	460	A 82	75-02-13			14	60	A 2.3
71-06-21			1.0	100	A 0.27	75-02-26			115	110	A 34
71-07-06			7.0	140	A 2.6	75-03-18			190	160	A 82
71-08-04			0.30	110	A 0.09	75-04-07			12	140	A 4.5
71-09-04			22	240	A 14	75-04-29			9.7	40	A 1.0
72-01-20			5.0	50	A 0.68	75-05-08			19	200	A 10
72-02-01			2.0	40	A 0.22	75-05-15			23	100	A 6.2
72-02-16			15	40	A 1.6	75-06-02			6.5	90	A 1.6
72-03-01			2.0	50	A 0.27	75-06-17			1800	770	A 3740
72-03-15			1.0	60	A 0.16	75-07-07			0.73	140	A 0.28
72-03-29			3.0	30	A 0.24	75-07-17			0.19	170	A 0.09
72-04-07			156	110	A 46	75-07-28			1.8	220	A 1.1
72-04-19			2.0	90	A 0.49	75-08-27			0.09	110	A 0.03
72-04-20			10.0	150	A 4.0	75-10-15			5.3	110	A 1.6
72-04-21			90	230	A 56	75-12-04			0.79	70	A 0.15
72-05-02			36	210	A 20	76-01-12			0.29	70	A 0.05
72-05-17			1.0	770	A 2.1	76-02-02			0.10	90	A 0.02
72-06-01			1.0	880	A 2.4	76-02-23			0.16	80	A 0.03
72-06-29			1.0	160	A 0.43	76-03-01			0.05	40	A 0.01
72-09-08			90	1310	A 318	76-03-05			56	280	A 42
72-09-26			403	1180	A 1280	76-03-22			1.3	50	A 0.18
72-10-02			4.0	190	A 2.1	76-04-13			0.24	40	A 0.03
72-10-18			0.20	30	A 0.02	76-05-06			4.8	70	A 0.91

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

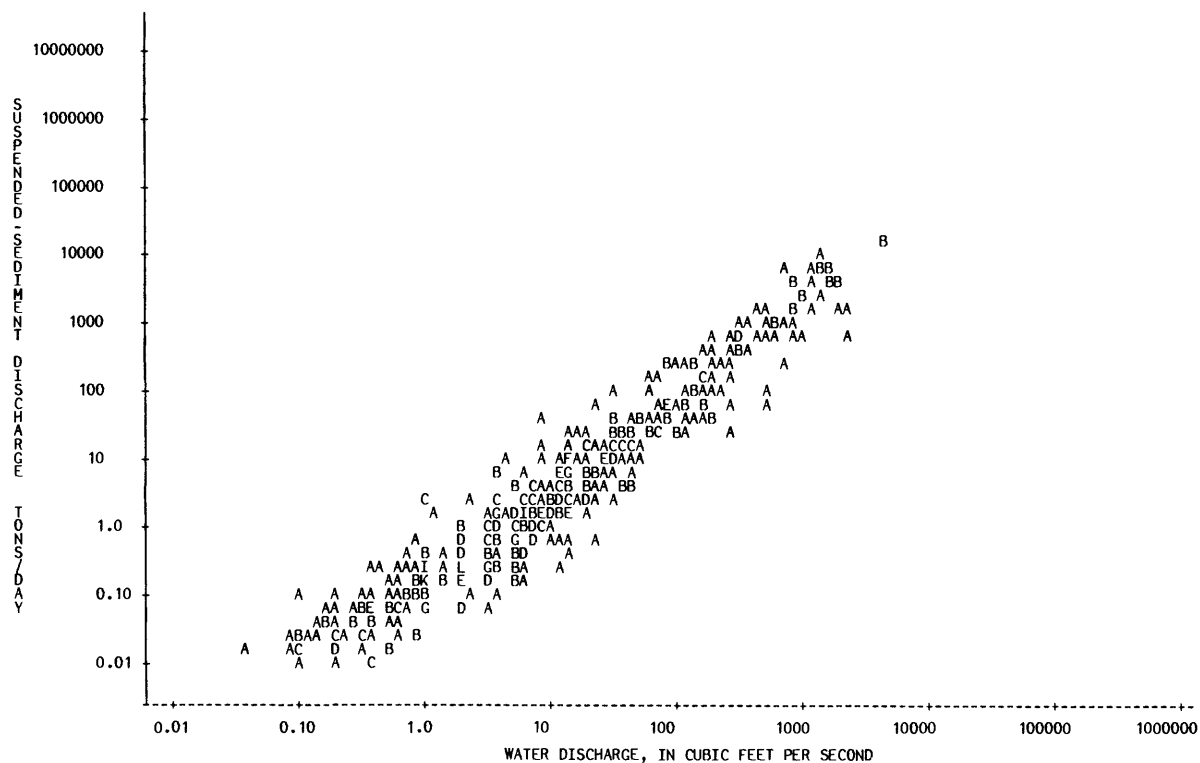
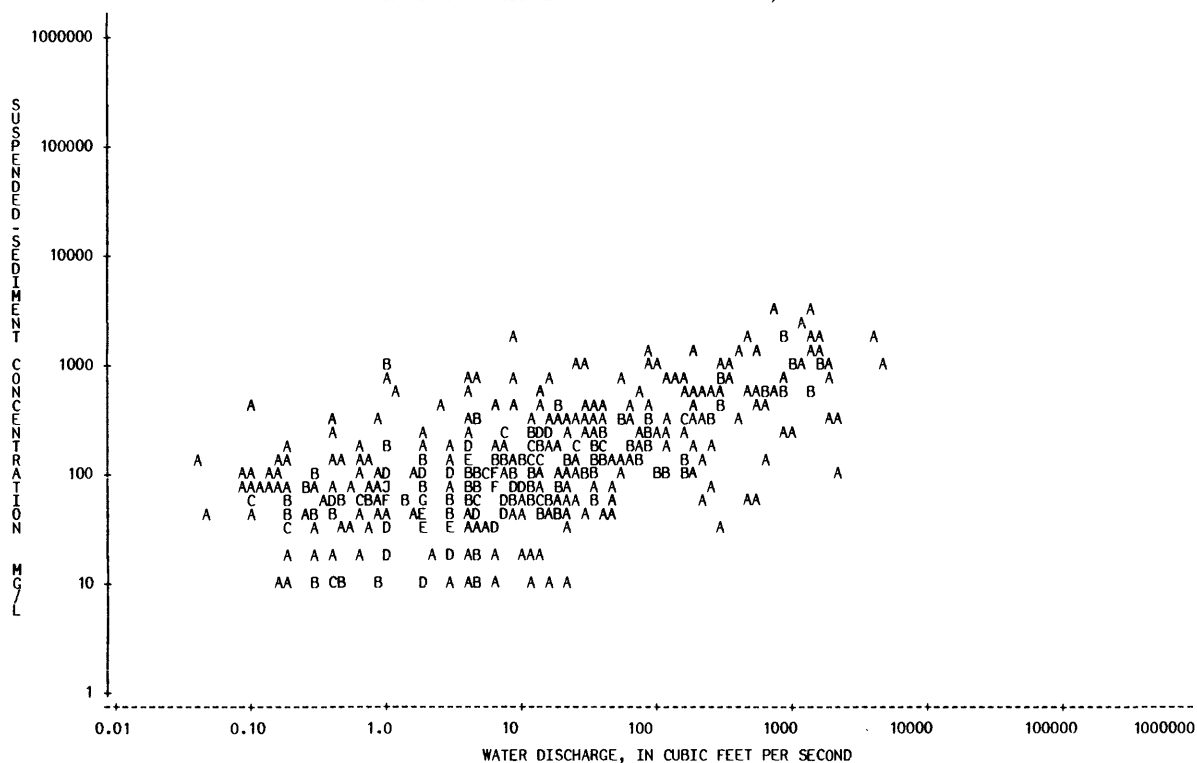
07170700 BIG HILL CREEK NEAR CHERRYVALE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-05-24			1.4	60	A	0.23					
76-05-27			91	200	A	49					
76-06-15			0.69	60	A	0.11					
76-06-24			4.5	740	A	9.0					
76-06-29			144	800	A	311					
76-07-16			5.1	100	A	1.4					
76-08-03			0.48	60	A	0.08					
76-10-26			0.25	70	A	0.05					
76-11-16			0.18	40	A	0.02					
76-12-06			0.13	70	A	0.02					
76-12-28			0.04	120	A	0.01					
77-02-07			0.08	70	A	0.02					
77-02-22			0.87	300	A	0.70					
77-03-17			2.2	20	A	0.12					
77-04-05			1.0	30	A	0.08					
77-04-18			0.18	30	A	0.01					
77-05-11			0.30	40	A	0.03					
77-05-20			196	590	A	312					
77-05-24			14	150	A	5.5					
77-05-31			14	170	A	6.2					
77-06-20			1590	1160	A	4980					
77-06-28			21	50	A	2.8					
77-07-19			0.68	180	A	0.33					
77-08-02			0.37	80	A	0.08					
77-08-03			0.25	70	A	0.05					
77-08-04			0.51	80	A	0.11					
77-08-05			0.12	70	A	0.02					
77-08-10			0.39	120	A	0.13					
77-08-22			0.14	90	A	0.03					
77-09-12			1.2	550	A	1.8					
77-10-04	1045		8.0	80	A	1.7					
77-10-25	1115		6.0	30	A	0.49					
77-11-14	1115		19	50	A	2.6					
77-12-05	1130		6.0	30	A	0.49					
78-02-08	1510		2.0	50	A	0.27					
78-02-22	1100		5.0	30	A	0.41					
78-03-21	1045		7.0	60	A	1.1					
78-04-11	1130		73	130	A	26					
80-03-07	1020		2.4	430	A	2.8					
80-04-04	1345		32	140	A	12					

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07170700 BIG HILL CREEK NEAR CHERRYVALE, KANS.



## ARKANSAS RIVER BASIN

07171000 VERDIGRIS RIVER NEAR LENAPAH, OKLA.

LOCATION.--Lat 36°51'05", long 95°35'06", at center of sec.3, T.27 N., R.16 E., Nowata County, Hydrologic Unit 11070103, near right bank on downstream side of pier of county road bridge, 2.8 mi (4.5 km) east of Lenapah, 4.5 mi (7.2 km) upstream from Cedar Creek, and at mile 144.6 (232.7 km).

DRAINAGE AREA.--3,639 mi<sup>2</sup> (942.5 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-52, 1954-78, 1980.

REMARKS.--Some regulation, by dams in Kansas, since April 1949.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-19			13800	6700	A 250000	44-10-06			26200	700	A 49500
40-04-21			1870	1900	A 9590	44-10-09			1850	400	A 2000
40-05-19			5190	1300	A 18200	44-12-08			26000	1000	A 70200
40-05-20			4560	1700	A 20900	45-02-23			1300	200	A 702
40-07-23			5790	2100	A 32800	45-03-16			16100	2600	A 113000
40-09-05			6140	1700	A 28200	45-04-14			13600	1100	A 40400
40-09-06			9830	2700	A 71700	45-04-18			96000	900	A 233000
41-04-19			38400	1500	A 156000	45-04-21			22300	400	A 24100
41-06-05			26200	1000	A 70700	45-07-04			17200	2300	A 107000
41-06-11			32700	1600	A 141000	45-09-27			30000	900	A 72900
42-03-04			1670	200	A 902	46-01-09			4960	1100	A 14700
42-04-21			23600	1400	A 89200	46-02-25			1520	500	A 2050
42-05-08			3180	2300	A 19700	46-04-18			3080	500	A 4160
42-06-20			13400	1300	A 47000	46-05-01			699	200	A 377
42-06-22			27900	1500	A 113000	46-11-14			494	300	A 400
42-06-26			19800	1800	A 96200	47-04-08			23000	1800	A 112000
42-08-04			4130	1900	A 21200	47-04-16			51900	1100	A 154000
42-12-28			17500	2100	A 99200	47-04-29			6830	900	A 16600
42-12-30			9020	400	A 9740	47-05-23			20200	500	A 27300
43-03-12			2300	200	A 1240	47-08-29			35	100	A 9.4
43-03-30			956	200	A 516	48-04-29			1190	400	A 1290
43-05-08			28000	1600	A 121000	48-07-14			14300	900	A 34700
43-05-09			21800	1300	A 76500	48-07-27			7830	600	A 12700
43-05-17			18800	1400	A 71100	48-08-12			16300	2100	A 92400
43-05-29			3050	700	A 5760	48-11-03			8000	900	A 19400
43-06-05			20600	3100	A 172000	49-02-16			20600	500	A 27800
43-06-06			20100	5200	A 282000	49-03-22			1500	100	A 405
43-06-24			26200	1600	A 113000	49-03-28			6470	400	A 6990
43-06-26			28100	1000	A 75900	49-04-05			3780	500	A 5100
43-06-29			7240	2200	A 43000	49-04-19			1090	200	A 589
43-07-09			619	500	A 836	49-05-03			4290	400	A 4630
43-07-21			782	300	A 633	49-06-16			1600	300	A 1300
43-08-09			130	500	A 175	49-07-15			4390	700	A 8300
43-09-07			89	100	A 24	49-07-28			2120	500	A 2860
43-09-29			3730	1500	A 15100	49-09-22			2140	500	A 2890
43-10-12			56	100	A 15	50-05-31			2730	300	A 2210
43-10-25			501	300	A 406	50-06-03			18700	1600	A 80800
44-01-12			130	200	A 70	50-07-12			5100	1300	A 17900
44-02-07			196	200	A 106	50-07-20			30200	700	A 57100
44-03-18			6860	2200	A 40700	50-08-02			11400	900	A 27700
44-03-22			22000	1100	A 65300	51-05-29			6850	500	A 9250
44-03-23			17300	2300	A 107000	51-06-12			3060	600	A 4960
44-03-30			1910	100	A 516	51-06-28			15200	300	A 12300
44-04-13			62900	1100	A 187000	51-07-16			56900	300	A 46100
44-04-14			48600	1200	A 157000	51-07-17			42800	200	A 23100
44-04-15			37400	800	A 80800	51-07-25			5190	200	A 2800
44-04-24			24500	2900	A 192000	51-09-06			4500	900	A 10900
44-05-10			2060	400	A 2220	51-09-10			13500	500	A 18200
44-05-29			5230	700	A 9880	51-10-22			4480	1700	A 20600
44-06-12			2620	2000	A 14100	51-10-29			1900	500	A 2570
44-06-26			411	600	A 666	51-11-14			9680	1200	A 31400
44-07-15			736	200	A 397	52-03-07			2880	400	A 3110
44-09-06			285	600	A 462	52-03-12			20100	2200	A 119000

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
52-03-14			6780	600	A 11000	61-05-12			21400	400	A 23100
52-04-08			3870	300	A 3130	61-05-18			14100	500	A 19000
52-04-23			7850	800	A 17000	61-06-02			2230	300	A 1810
54-04-26			406	100	A 110	61-06-12			3880	400	A 4190
54-04-28			5230	800	A 11300	61-07-26			6120	900	A 14900
54-04-29			5550	1800	A 27000	61-08-08			486	100	A 131
54-05-04			25900	900	A 62900	61-08-22			412	100	A 111
54-05-05			5150	800	A 11100	61-09-05			14700	2100	A 83300
54-10-12			15000	2500	A 101000	61-09-15			27300	1100	A 81100
55-05-13			2330	900	A 5660	61-09-16			37500	600	A 60800
55-05-21			2890	700	A 5460	61-09-17			43700	300	A 35400
55-05-27			14800	3100	A 124000	61-09-18			21000	300	A 17000
55-05-28			21900	1700	A 101000	61-10-03			11300	300	A 9150
55-05-29			16800	1200	A 54400	61-10-16			6110	300	A 4950
55-06-21			1290	300	A 1040	61-11-01			18300	900	A 44500
55-06-28			5470	1500	A 22200	61-11-05			26500	600	A 42900
55-10-03			9890	800	A 21400	61-11-14			13800	1100	A 41000
56-06-03			4570	2400	A 29600	61-11-20			3180	200	A 1720
56-06-04			1530	500	A 2070	61-12-14			3580	100	A 967
56-06-25			445	300	A 360	62-01-12			1100	90	A 267
57-04-05			1040	800	A 2250	62-01-30			4740	330	A 4220
57-04-20			8550	1400	A 32300	62-02-13			1650	60	A 267
57-05-14			2650	300	A 2150	62-03-02			695	30	A 56
57-05-20			21900	1600	A 94600	62-03-22			8940	1400	A 33800
57-05-28			4060	900	A 9870	62-03-30			3210	150	A 1300
57-06-03			25200	1100	A 74800	62-04-16			598	40	A 65
57-06-05			20900	400	A 22600	62-05-01			1240	910	A 3050
57-06-16			14300	900	A 34700	62-06-07			3760	490	A 4970
57-07-05			1440	100	A 389	62-06-20			442	100	A 119
57-11-21			1420	100	A 383	62-09-17			2780	1050	A 7880
58-03-27			16800	500	A 22700	62-09-26			8200	510	A 11300
58-04-01			13100	700	A 24800	62-10-08			1480	160	A 639
58-04-07			4570	300	A 3700	62-10-17			439	60	A 71
58-06-30			1150	400	A 1240	62-11-30			1900	120	A 616
58-07-08			19200	800	A 41500	62-12-21			602	80	A 130
58-07-14			7660	1100	A 22800	63-01-07			8300	900	A 20200
58-07-21			11900	500	A 16100	63-01-17			589	110	A 175
58-09-19			7490	1200	A 24300	63-01-25			407	110	A 121
59-04-03			1300	300	A 1050	63-02-12			563	130	A 198
59-04-13			2350	400	A 2540	63-03-11			5250	2040	A 28900
59-05-11			858	200	A 463	63-03-26			518	50	A 70
59-07-06			1290	200	A 697	63-05-31			681	190	A 349
59-07-20			27900	500	A 37700	63-06-17			2410	240	A 1560
59-07-22			25000	300	A 20300	64-04-06			1250	700	A 2360
59-07-24			13900	900	A 33800	64-04-27			2590	610	A 4270
59-07-28			1240	100	A 335	64-04-28			610	630	A 1040
59-08-31			1160	500	A 1570	64-06-14			13900	1040	A 39000
59-09-28			1120	100	A 302	64-06-15			3950	230	A 2450
59-10-08			25300	300	A 20500	64-11-16			1270	710	A 2430
59-10-12			12800	200	A 6910	64-11-19			14800	820	A 32800
59-10-14			27100	700	A 51200	64-12-07			636	110	A 189
59-10-15			22400	500	A 30200	65-03-18			2020	1090	A 5940
59-12-30			1640	100	A 443	65-04-01			646	120	A 209
60-01-18			3300	400	A 3560	65-04-03			24900	2540	A 171000
60-02-09			2930	400	A 3160	65-04-04			28800	2170	A 169000
60-02-19			1220	100	A 329	65-04-06			41700	1020	A 115000
60-04-05			2370	100	A 640	65-04-09			8420	860	A 19600
60-04-15			14100	1300	A 49500	65-04-13			9430	340	A 8660
60-04-19			4610	1000	A 12400	65-04-15			6150	250	A 4150
60-05-03			2930	500	A 3960	65-04-20			2180	100	A 589
60-05-12			2460	200	A 1330	65-04-27			765	70	A 145
60-05-31			4430	1000	A 12000	65-05-10			2760	1720	A 12800
60-06-09			5270	1100	A 15700	65-06-07			7550	1150	A 23400
60-06-14			4420	300	A 3580	65-06-10			14500	1100	A 43100
60-08-08			1900	100	A 513	65-06-21			13000	260	A 9130
60-08-29			1060	500	A 1430	65-09-07			1340	290	A 1050
60-10-17			430	600	A 697	65-09-13			3820	490	A 5050
60-10-31			11300	1600	A 48800	65-09-28			5350	200	A 2890
60-11-02			3970	400	A 4290	66-03-14			702	40	A 76
60-11-08			699	100	A 189	66-04-27			396	10	A 11
60-11-16			2260	1400	A 8540	66-05-09			512	80	A 111
60-12-13			4370	600	A 7080	66-05-23			846	210	A 480
61-02-21			3480	600	A 5640	66-06-08			7620	1330	A 27400
61-02-27			480	100	A 130	67-05-17			646	520	A 907
61-03-07			5520	300	A 4470	67-06-01			298	270	A 217
61-03-16			1420	100	A 383	67-06-20			3020	510	A 4160
61-03-22			9180	1000	A 24800	67-06-29			22300	1260	A 75900
61-03-28			4880	300	A 3950	67-07-28			1700	110	A 505
61-04-10			9010	800	A 19500	67-08-09			770	80	A 166
61-04-24			3890	1100	A 11600	67-10-16			649	180	A 315
61-04-26			14200	2100	A 80500	67-11-01			14500	1130	A 46600
61-05-02			22000	1700	A 101000	67-11-02			14100	730	A 27800
61-05-03			23600	1000	A 63700	67-11-14			1890	750	A 3830
61-05-04			16300	800	A 35200	67-12-27			512	40	A 55
61-05-05			23800	1000	A 64300	68-04-04			5970	820	A 13200
61-05-08			117000	1200	A 379000	68-05-15			1190	350	A 1120
61-05-09			97300	600	A 158000	68-05-27			14400	820	A 31900
61-05-10			44800	400	A 48400	68-06-10			656	180	A 319
61-05-11			36800	300	A 29800	68-06-24			644	140	A 243

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07171000 VERDIGRIS RIVER NEAR LENAPAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-07-09			513	170	A 235	73-05-10			4130	270	A 3010
68-08-06			6140	320	A 5300	73-05-11			4900	200	A 2650
68-08-21			4140	520	A 5810	73-05-14			8070	210	A 4580
68-09-05			422	40	A 46	73-05-15			8080	180	A 3930
68-11-13			3600	100	A 972	73-05-16			7390	140	A 2790
68-11-22			6750	160	A 2920	73-05-17			8470	240	A 5490
69-01-22			2170	140	A 820	73-05-18			7380	150	A 2990
69-02-19			1270	120	A 411	73-05-21			10700	230	A 6640
69-03-05			1110	90	A 270	73-05-22			10100	170	A 4640
69-03-18			1830	140	A 692	73-05-23			8240	130	A 2890
69-03-25			17600	1040	A 49400	73-05-31			2760	130	A 969
69-03-28			12800	380	A 13100	73-06-13			544	140	A 206
69-04-09			19400	2400	A 126000	73-06-28			725	210	A 411
69-04-22			10600	380	A 10900	73-07-27			805	590	A 1280
69-05-05			4280	170	A 1960	73-09-27			9830	1060	A 28100
69-05-20			1950	100	A 527	73-10-10			43000	300	A 34800
69-06-02			19100	1060	A 54700	73-10-15			5290	300	A 4280
69-06-25			25300	830	A 56700	73-10-23			9820	280	A 7420
69-06-26			4810	360	A 4680	73-10-31			4200	250	A 2840
69-07-02			11200	400	A 12100	73-11-07			1780	160	A 769
69-09-22			1150	220	A 683	73-11-29			4850	130	A 1700
69-10-14			18600	780	A 39200	73-12-05			24900	460	A 30900
69-10-22			8320	150	A 3370	73-12-18			5780	140	A 2180
69-11-03			5100	130	A 1790	73-12-21			1160	10	A 31
69-12-17			2490	40	A 269	74-01-14			1100	900	A 2670
70-01-06			1040	30	A 84	74-01-23			9080	160	A 3920
70-02-04			494	40	A 53	74-02-20			7910	920	A 19600
70-03-31			1090	70	A 206	74-03-05			1130	540	A 1650
70-04-13			6370	170	A 2920	74-03-14			32700	330	A 29100
70-04-20			19900	1150	A 61800	74-03-15			11500	1780	A 55300
70-04-27			17900	230	A 11100	74-03-18			8550	360	A 8310
70-05-01			32200	330	A 28700	74-03-19			10400	430	A 12100
70-05-02			23900	190	A 12300	74-03-20			11100	440	A 13200
70-05-04			10700	430	A 12400	74-03-21			11700	280	A 8850
70-06-15			9220	540	A 13400	74-03-25			10900	280	A 8240
70-06-29			1450	360	A 1410	74-03-26			10600	150	A 4290
70-09-24			11400	810	A 24900	74-03-29			9980	220	A 5930
71-02-26			11300	1100	A 33600	74-04-25			2150	150	A 871
71-03-09			4090	100	A 1100	74-05-13			1540	230	A 956
71-05-19			641	140	A 242	74-06-10			8600	1190	A 27600
71-06-02			655	270	A 477	74-06-18			8000	600	A 13000
71-06-11			12800	2030	A 70200	74-09-03			12800	1460	A 50500
71-07-14			1280	240	A 829	74-09-10			7790	230	A 4840
71-08-10			201	100	A 54	74-10-03			1000	130	A 351
71-10-22			15800	700	A 29900	74-10-08			4400	70	A 832
71-11-30			950	60	A 154	74-10-21			619	90	A 150
71-12-16			25400	540	A 37000	74-11-01			20500	990	A 54800
71-12-27			2950	110	A 876	74-11-06			38200	240	A 24800
72-01-06			2040	70	A 386	74-11-08			7200	380	A 7390
72-01-17			494	50	A 67	74-11-11			7400	380	A 7590
72-01-31			414	50	A 56	74-11-13			9320	200	A 5030
72-02-17			2370	50	A 320	74-11-15			12600	260	A 8850
72-02-29			324	50	A 44	74-11-18			12400	160	A 5360
72-04-24			1120	150	A 454	74-11-20			12300	210	A 6970
72-05-09			964	110	A 286	74-11-26			11200	170	A 5140
72-07-17			6150	910	A 15100	74-11-29			8940	140	A 3380
72-07-18			6540	820	A 14500	74-12-02			3560	60	A 577
72-08-01			7000	270	A 5100	74-12-04			2640	80	A 570
72-09-27			11300	800	A 24400	74-12-23			2000	100	A 540
72-10-24			1800	240	A 1170	75-02-13			4760	120	A 1540
72-10-30			816	670	A 1480	75-02-26			8930	240	A 5790
72-11-02			9620	660	A 17100	75-03-18			8800	240	A 5700
72-11-13			23200	680	A 42600	75-04-07			5280	140	A 2000
72-11-14			17900	480	A 23200	75-04-29			1770	130	A 621
72-11-30			2340	20	A 126	75-05-16			6110	570	A 9400
72-12-19			3280	40	A 354	75-06-02			5720	320	A 4940
73-01-08			3670	100	A 991	75-06-18			24800	820	A 54900
73-01-16			2400	50	A 324	75-07-08			492	210	A 279
73-02-02			15700	410	A 17400	75-12-30			402	40	A 43
73-02-12			2040	70	A 386	76-03-05			3390	1060	A 9700
73-03-05			16700	720	A 32500	76-05-06			3070	280	A 2320
73-03-12			24800	600	A 40200	76-05-24			1100	130	A 386
73-04-11			5070	390	A 5340	76-07-15			12600	260	A 8850
73-04-13			5330	150	A 2160	76-07-16			12400	270	A 9040
73-04-16			28000	1000	A 75600	76-07-19			10000	440	A 11900
73-04-17			25200	720	A 49000	77-05-31			6990	560	A 10600
73-04-18			18300	420	A 20800	77-06-23			31000	530	A 44400
73-04-19			2580	270	A 1880	77-06-24			35500	510	A 48900
73-04-20			6160	1030	A 17100	77-06-27			14400	340	A 13200
73-04-23			7330	660	A 13100	77-06-28			12400	510	A 17100
73-04-24			2410	200	A 1300	77-06-29			14500	450	A 17600
73-04-25			3720	590	A 5930	77-07-05			14700	240	A 9530
73-04-26			2560	220	A 1520	77-07-07			14100	240	A 9140
73-04-27			2110	140	A 798	77-07-25			508	30	A 41
73-04-30			3890	1020	A 10700	77-08-10			411	60	A 67
73-05-02			10500	950	A 26900	77-08-23			2490	260	A 1750
73-05-07			8650	340	A 7940	77-09-12			6570	1090	A 19300
73-05-08			12000	970	A 31400	77-10-04	1400	1010	140	A 382	
73-05-09			8590	530	A 12300	77-10-25	1400	1100	90	A 267	

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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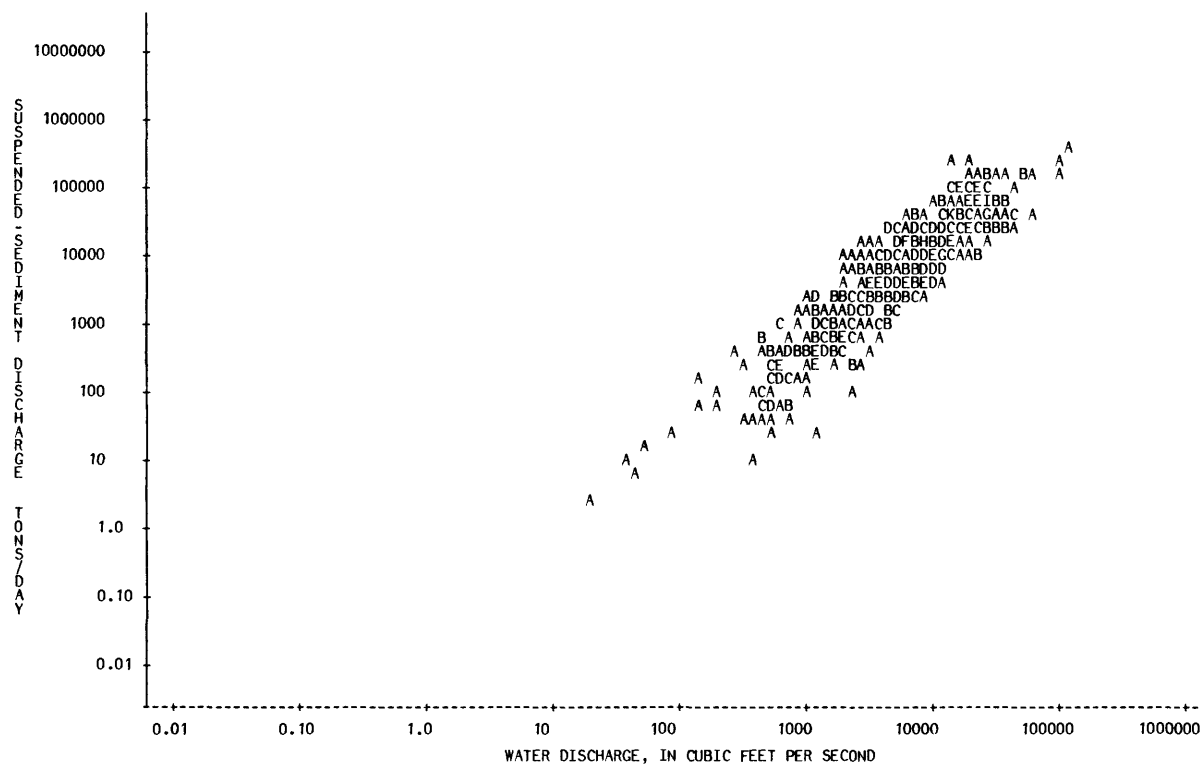
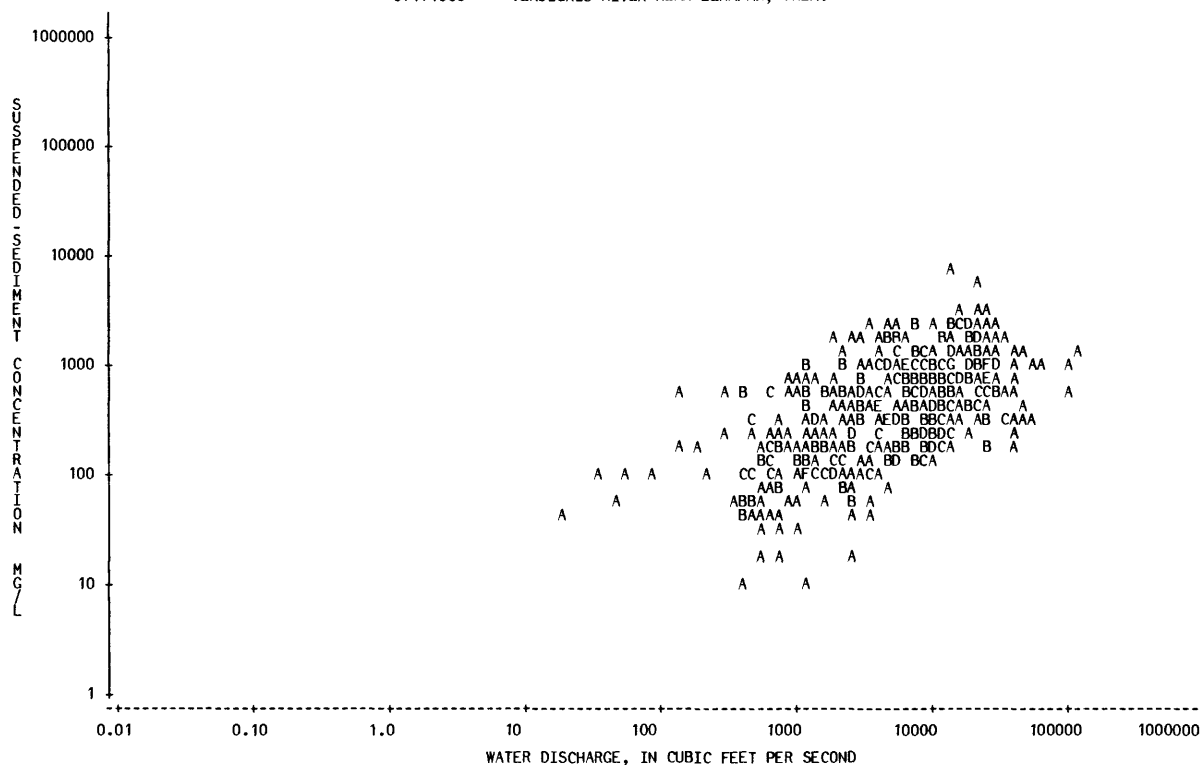
07171000 VERDIGRIS RIVER NEAR LENAPAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-11-03	1100	23500	160	A	10200
77-11-14	1330	10200	160	A	4410
77-12-05	1400	906	60	A	147
78-02-15	1415	3368	170	A	1550
78-03-01	1430	6010	220	A	3570
78-03-21	1420	555	20	A	30
78-04-11	1145	9540	560	A	14400
78-05-01	1140	14300	470	A	18100
78-05-23	1230	5700	300	A	4620
78-06-19	1300	12000	180	A	5830
80-01-02	1015	699	20	A	38
80-03-25	1115	3270	200	A	1770
80-04-07	1215	10600	190	A	5440
80-07-11	1100	19	40	A	2.1
80-08-11	1125	45	50	A	6.1

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 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07171000 VERDIGRIS RIVER NEAR LENAPAH, OKLA.



## ARKANSAS RIVER BASIN

07171400 VERDIGRIS RIVER NEAR OOLOGAH, OKLA.

LOCATION.--Lat 36°25'17", long 95°41'01", in NW 1/4 sec.2, T.22 N., R.15 E., Rogers County, Hydrologic Unit 11070105, on right bank 0.3 mi (0.5 km) downstream from Oologah Dam, 1.2 mi (1.9 km) upstream from Fourmile Creek, 2 mi (3.0 km) southeast of Oologah, and at mile 90.0 (144.8 km).

DRAINAGE AREA.--4,339 mi<sup>2</sup> (11,238 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1961-78, 1980.

REMARKS.--Some regulation by several dams in Kansas prior to 1963 and completely regulated thereafter by Oologah Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-02-24			2000	170	A 918	62-09-28			8920	320	A 7710
61-02-28			1040	200	A 562	62-10-11			1480	120	A 480
61-03-07			1910	230	A 1190	62-10-31			356	110	A 106
61-03-09			3090	500	A 4170	62-11-26			231	80	A 50
61-03-16			877	130	A 308	62-12-05			1230	140	A 465
61-03-22			6690	630	A 11400	62-12-19			399	80	A 86
61-03-23			9470	1070	A 27400	63-01-08			8390	570	A 12900
61-03-28			9540	1600	A 41200	63-01-24			588	130	A 206
61-04-07			3040	170	A 1400	63-02-06			441	140	A 167
61-04-10			2580	250	A 1740	63-03-14			5290	750	A 10700
61-04-12			10700	2370	A 68500	63-03-25			867	170	A 398
61-04-14			5240	340	A 4810	63-04-23			275	180	A 134
61-04-24			9850	1870	A 49700	63-05-07			307	130	A 108
61-04-26			11100	2320	A 69500	63-05-16			4.0	100	A 1.1
61-04-28			7680	960	A 19900	63-05-22			9.0	60	A 1.5
61-05-02			16500	1040	A 46300	63-06-06			12	20	A 0.65
61-05-03			18400	1170	A 58100	63-06-07			11	150	A 4.5
61-05-04			18700	760	A 38400	63-06-11			4.0	290	A 3.1
61-10-06			6820	330	A 6080	63-06-20			4.0	50	A 0.54
61-10-11			8150	1530	A 33700	63-07-10			4.0	50	A 0.54
61-10-19			9330	290	A 7310	63-07-29			6.0	100	A 1.6
61-10-26			1300	260	A 913	63-08-12			8.0	110	A 2.4
61-11-01			13200	1520	A 54200	63-09-11			6.0	100	A 1.6
61-11-02			15900	810	A 34800	63-09-25			6.0	100	A 1.6
61-11-06			21300	590	A 33900	63-10-08			6.0	100	A 1.6
61-11-09			14000	210	A 7940	63-10-22			5.0	70	A 0.95
61-11-13			8260	300	A 6690	63-11-05			4.0	40	A 0.43
61-11-17			15200	440	A 18100	63-11-19			4.0	60	A 0.65
61-11-18			16400	500	A 22100	63-12-03			3.0	30	A 0.24
61-11-27			6350	170	A 2910	63-12-16			3.0	40	A 0.32
61-12-07			5870	90	A 1430	63-12-30			10.0	30	A 0.81
61-12-27			2330	230	A 1450	64-01-14			1.0	80	A 0.22
62-01-20			984	120	A 319	64-01-28			1.0	90	A 0.24
62-01-29			9640	1380	A 35900	64-02-11			1.0	70	A 0.19
62-02-06			7600	360	A 7390	64-02-25			1.0	130	A 0.35
62-02-26			1530	170	A 702	64-03-11			1.0	80	A 0.22
62-03-19			632	50	A 85	64-03-25			1.0	40	A 0.11
62-03-23			8920	1080	A 26000	64-04-08			16000	120	A 5180
62-03-29			6040	240	A 3910	64-04-09			9030	200	A 4880
62-04-06			1060	90	A 258	64-04-10			1440	210	A 816
62-04-18			742	380	A 761	64-04-14			1200	160	A 518
62-05-02			1870	820	A 4140	64-04-15			315	170	A 145
62-05-14			211	190	A 108	64-04-16			178	200	A 96
62-05-31			220	190	A 113	64-04-17			85	190	A 44
62-06-05			5460	560	A 8260	64-04-21			86	170	A 39
62-06-11			3260	350	A 3080	64-04-28			1760	100	A 475
62-06-27			685	200	A 370	64-04-29			426	70	A 81
62-07-12			495	100	A 134	64-05-05			110	150	A 45
62-08-29			15	30	A 1.2	64-05-20			18	120	A 5.8
62-09-04			1440	150	A 583	64-05-27			19	10	A 0.51
62-09-17			5880	960	A 15200	64-06-04			447	20	A 24
62-09-19			1310	340	A 1200	64-06-15			12500	170	A 5740
62-09-24			14600	570	A 22500	64-06-16			14400	300	A 11700

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

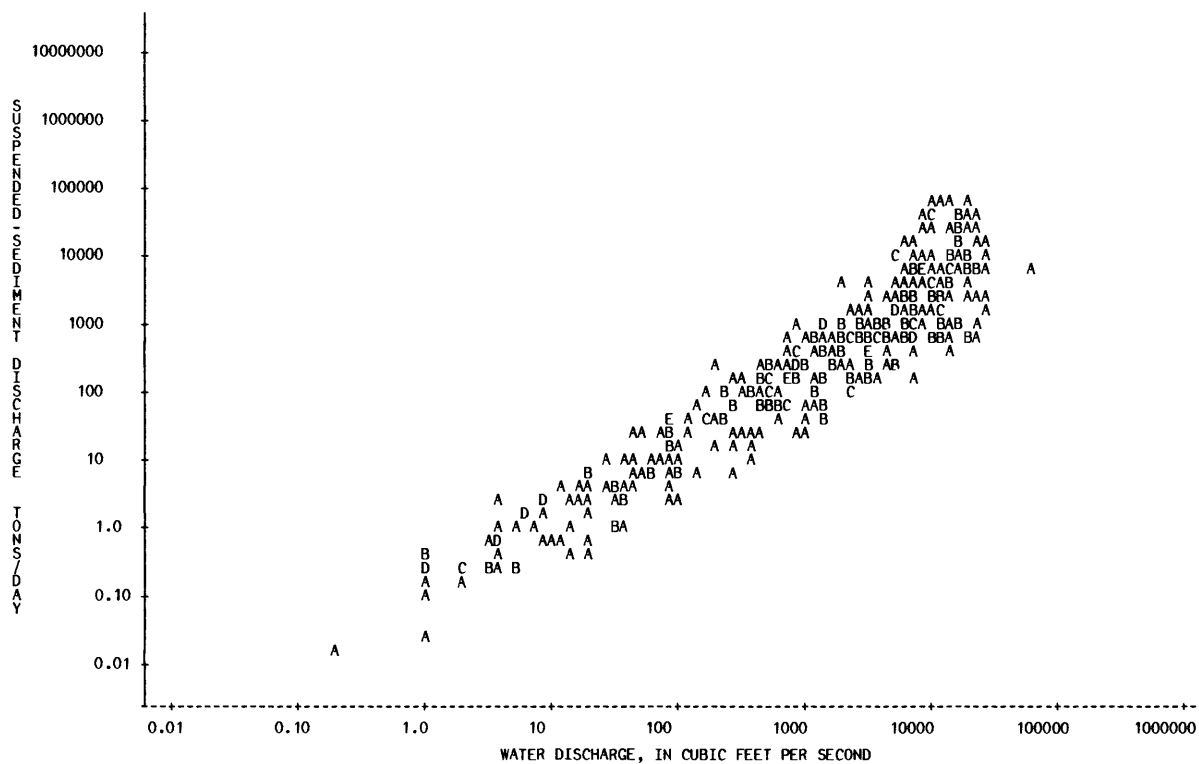
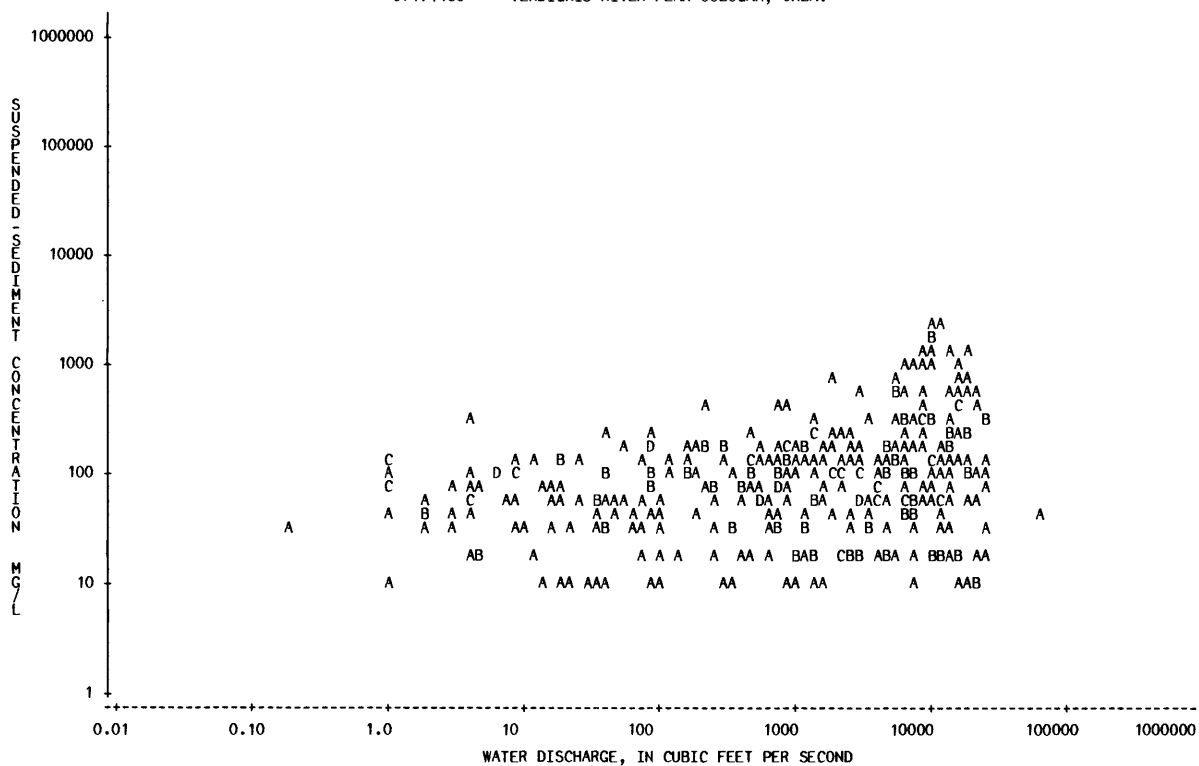
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-06-17			6090	340	A 5590	67-06-28			4280	70	A 809
64-06-23			810	180	A 394	67-06-29			5440	120	A 1760
64-06-30			461	140	A 174	67-06-30			10100	310	A 8450
64-07-14			34	30	A 2.8	67-07-13			3750	120	A 1220
64-07-16			17	50	A 2.3	67-08-08			1560	60	A 253
64-07-23			5.0	20	A 0.27	67-09-19			5950	50	A 803
64-07-29			4.0	20	A 0.22	67-09-20			8040	50	A 1090
64-08-11			5.0	20	A 0.27	67-10-03			2940	60	A 476
64-08-26			4.0	70	A 0.76	67-11-01			6160	50	A 832
64-08-27			814	60	A 132	67-11-02			12200	60	A 1980
64-08-29			2360	30	A 191	67-11-03			19000	240	A 12300
64-08-30			2470	40	A 267	67-11-13			40	30	A 3.2
64-09-09			123	90	A 30	67-11-28			259	20	A 14
64-09-24			254	30	A 21	67-12-12			730	30	A 59
64-10-06			610	40	A 66	68-01-09			21	30	A 1.7
64-10-20			7.0	50	A 0.95	68-01-23			1680	70	A 318
64-11-06			8.0	30	A 0.65	68-02-20			480	110	A 143
64-11-18			3230	30	A 262	68-03-05			424	50	A 57
64-11-21			13200	160	A 5700	68-03-20			2990	90	A 727
64-11-23			15500	210	A 8790	68-03-25			11720	130	A 4110
64-12-10			517	180	A 251	68-03-26			14100	120	A 4570
64-12-22			1910	40	A 206	68-04-02			2660	150	A 1080
65-03-18			2170	20	A 117	68-04-04			5210	140	A 1970
65-03-31			552	60	A 89	68-04-05			10500	120	A 3400
65-04-03			10600	60	A 1720	68-04-18			706	70	A 133
65-04-06			8000	370	A 7990	68-04-30			804	180	A 391
65-04-07			8360	340	A 7670	68-05-15			714	80	A 154
65-04-08			17100	460	A 21200	68-05-29			10200	140	A 3860
65-04-09			19900	550	A 29600	68-06-10			905	110	A 269
65-04-12			22100	450	A 26900	68-06-24			6660	140	A 2520
65-04-14			4790	190	A 2460	68-08-06			7460	110	A 2220
65-04-19			22000	100	A 5940	68-08-21			2650	170	A 1220
65-04-23			2290	90	A 556	68-09-17			19	120	A 6.2
65-04-27			1200	170	A 551	68-10-17			3116	140	A 1180
65-05-12			7990	240	A 5180	68-10-29			81	100	A 22
65-05-24			751	140	A 284	68-11-13			2780	100	A 751
65-06-08			6790	70	A 1280	68-11-22			10400	80	A 2250
65-06-10			12000	90	A 2920	68-12-10			2020	70	A 382
65-06-18			14700	210	A 8330	68-12-26			3870	70	A 731
65-06-21			19700	150	A 7980	69-01-07			2050	120	A 664
65-07-13			518	150	A 210	69-01-22			3330	60	A 539
65-07-20			201	490	A 266	69-02-04			7810	90	A 1900
65-07-28			41	250	A 28	69-02-19			1350	50	A 182
65-08-03			32	10	A 0.86	69-03-05			1810	100	A 489
65-08-19			1.0	140	A 0.38	69-03-18			2190	20	A 118
65-08-31			90	10	A 2.4	69-03-28			12700	60	A 2060
65-09-14			5010	50	A 676	69-04-01			18000	60	A 2920
65-09-30			4260	110	A 1270	69-04-09			3140	50	A 424
65-10-13			39	10	A 1.1	69-04-11			16600	400	A 17900
65-11-09			2.0	40	A 0.22	69-04-22			13900	90	A 3380
65-11-23			2.0	60	A 0.32	69-05-05			10300	150	A 4170
65-12-07			1.0	10	A 0.03	69-05-20			2910	90	A 707
66-01-05			363	30	A 29	69-06-02			14300	200	A 7720
66-01-18			100	10	A 2.7	69-06-04			25000	280	A 18900
66-02-08			435	240	A 282	69-06-05			24000	280	A 18100
66-02-17			655	30	A 53	69-06-17			18200	100	A 4910
66-03-04			806	10	A 22	69-07-15			1350	100	A 365
66-03-15			1020	10	A 28	69-07-28			260	80	A 56
66-04-12			81	80	A 17	69-08-11			748	70	A 141
66-04-27			1500	10	A 41	69-08-26			80	80	A 17
66-05-11			364	10	A 9.8	69-09-22			1910	110	A 567
66-05-23			1290	50	A 174	69-10-10			102	50	A 14
66-06-09			4490	100	A 1210	69-10-22			18900	110	A 5610
66-06-10			4890	100	A 1320	69-11-03			4030	80	A 870
66-06-20			75	140	A 28	69-11-19			744	90	A 181
66-07-07			40	30	A 3.2	69-12-03			149	170	A 68
66-07-28			260	80	A 56	69-12-18			2940	60	A 476
66-08-05			2.0	40	A 0.22	70-01-06			1170	30	A 95
66-08-15			1320	10	A 36	70-02-16			66	30	A 5.3
66-09-02			21	10	A 0.57	70-03-19			189	40	A 20
66-09-12			18	50	A 2.4	70-03-31			3710	20	A 200
66-09-21			14	10	A 0.38	70-04-15			12200	60	A 1980
66-09-28			14	70	A 2.6	70-04-27			19400	230	A 12000
66-10-13			9.0	100	A 2.4	70-05-07			22600	50	A 3050
66-11-08			9.0	130	A 3.2	70-05-19			7250	60	A 1170
66-12-06			277	10	A 7.5	70-06-01			185	100	A 50
66-12-20			326	30	A 26	70-06-15			10900	30	A 883
67-01-30			2.0	30	A 0.16	70-07-28			53	180	A 26
67-03-13			0.20	30	A 0.02	70-09-10			486	150	A 197
67-04-21			910	70	A 172	70-09-24			4790	120	A 1550
67-05-09			1120	30	A 91	70-10-08			862	120	A 279
67-05-17			7170	60	A 1160	70-11-04			46	40	A 5.0
67-05-24			158	120	A 51	70-11-17			16	80	A 3.5
67-06-06			58	60	A 9.4	70-12-15			32	50	A 4.3
67-06-14			4600	170	A 2110	70-12-30			33	40	A 3.6
67-06-15			5830	170	A 2680	71-01-11			7670	190	A 3930
67-06-20			6760	110	A 2010	71-01-26			1.0	120	A 0.32
67-06-21			9500	100	A* 2570	71-02-26			3390	40	A 366
67-06-27			2200	90	A 535	71-03-08			5550	550	A 8240

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-03-23			437	70	A 83	80-04-02	1335		9890	20	A 534
71-04-08			25	60	A 4.0	80-05-16	1115		915	410	A 1010
71-05-19			18	80	A 3.9	80-06-25	1205		89	90	A 22
71-06-02			27	140	A 10						
71-07-13			1380	240	A 894						
71-07-28			38	90	A 9.2						
71-08-10			36	50	A 4.9						
71-09-21			3.0	70	A 0.57						
71-10-26			11700	40	A 1260						
71-11-17			235	60	A 38						
71-12-01			788	110	A 234						
71-12-20			22400	20	A 1210						
72-01-19			536	50	A 72						
72-02-02			532	70	A 101						
72-02-16			536	60	A 87						
72-03-01			2110	110	A 627						
72-03-14			144	20	A 7.8						
72-03-27			163	110	A 48						
72-04-25			31	10	A 0.84						
72-06-21			161	100	A 43						
72-07-21			1040	20	A 56						
72-08-03			5280	20	A 285						
72-08-17			79	20	A 4.3						
72-08-29			79	30	A 6.4						
72-09-12			77	50	A 10						
72-09-26			558	50	A 75						
72-10-10			101	20	A 5.5						
72-10-25			6130	50	A 828						
72-10-26			15800	20	A 853						
72-11-06			11000	50	A 1490						
72-11-08			3780	60	A 612						
72-12-08			2410	20	A 130						
72-12-18			1310	20	A 71						
73-01-03			9720	20	A 525						
73-01-18			3280	30	A 266						
73-01-26			11900	20	A 643						
73-01-30			19300	10	A 521						
73-02-13			3120	20	A 168						
73-02-27			1340	20	A 72						
73-03-20			21400	10	A 578						
73-03-21			27200	120	A 8810						
73-05-08			16900	20	A 913						
73-05-15			25000	20	A 1350						
73-05-23			24700	80	A 5340						
73-07-03			739	30	A 60						
74-03-19			20800	10	A 562						
74-03-27			26700	110	A 7930						
74-04-10			8160	80	A 1760						
74-05-06			686	80	A 148						
74-05-08			3090	60	A 501						
74-06-17			13300	70	A 2510						
74-06-26			4050	50	A 547						
74-07-17			7100	20	A 383						
74-08-06			697	40	A 75						
74-08-28			50	60	A 8.1						
74-09-11			7440	40	A 804						
74-10-01			937	20	A 51						
74-10-22			4380	20	A 237						
74-11-15			2560	20	A 138						
74-12-17			7330	40	A 792						
75-01-08			6800	40	A 734						
75-01-28			7170	30	A 581						
75-02-21			4140	50	A 559						
75-03-05			14300	30	A 1160						
75-03-18			100	30	A 8.1						
75-04-01			14800	10	A 400						
75-04-15			11500	20	A 621						
75-04-29			2160	20	A 117						
75-05-13			1250	40	A 135						
75-06-11			7560	10	A 204						
75-07-08			4350	30	A 352						
75-07-23			80	210	A 45						
75-07-26			80	40	A 8.6						
75-10-15			84	160	A 36						
75-11-04			89	160	A 38						
76-04-06			108	40	A 12						
76-05-05			3100	20	A 167						
76-10-05			9.0	110	A 2.7						
77-02-14			43	100	A 12						
77-04-12			42	50	A 5.7						
77-06-07			4910	20	A 265						
77-07-05			26100	30	A 2110						
77-10-13	1155		623	20	A 34						
77-11-16	1520		60000	40	A 6480						
77-12-27	1300		64	40	A 6.9						
78-03-17	1145		1210	20	A 65						
78-04-14	1510		13100	20	A 707						
78-05-26	1245		6090	40	A 658						
80-01-02	1315		373	20	A 20						

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07171400 VERDIGRIS RIVER NEAR OOLOGAH, OKLA.



## ARKANSAS RIVER BASIN

07171500 VERDIGRIS RIVER NEAR SAGEEYAH, OKLA.

LOCATION.--Lat 36°23', long 95°40', in SW 1/4 NW 1/4 sec.13, T.22 N., R.15 E., Rogers County, Hydrologic Unit 11070105, at Missouri Pacific Railroad bridge, 1.2 mi (2.0 km) downstream from Sweetwater Creek, 1.2 mi (2.0 km) northwest of Sageeyah, 5.4 mi (8.7 km) upstream from Caney River, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--4,402 mi<sup>2</sup> (11,401 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938, 1940-45, 1961.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-26			33800	1000	A 91300	43-06-24	1300		20800	2100	A 118000
38-05-28			38500	600	A 62400	43-06-26			25400	800	A 54900
38-06-01			7350	1100	A 21800	43-06-27			27500	900	A 66800
38-06-10			5670	2400	A 36700	43-06-29			15500	2200	A 92100
38-06-27			1440	300	A 1170	43-06-30	1000		9180	2600	A 64400
38-08-02			634	100	A 171	43-06-30	1300		7440	2000	A 40200
40-06-18			1260	900	A 3060	43-07-07			1184	300	A 959
40-07-24			5520	1100	A 16400	43-07-20			1230	400	A 1330
41-04-19			36800	900	A 89400	43-07-29			244	200	A 132
41-04-21			41500	700	A 78400	43-08-09			173	500	A 234
41-04-22			34400	800	A 74300	43-09-07			60	100	A 16
41-04-23			7010	800	A 15100	43-09-30			8060	3500	A 76200
41-04-25			2830	800	A 6110	43-10-01			3930	1400	A 14900
41-06-04			18200	2500	A 123000	43-10-25			2270	1000	A 6130
41-06-05	1000		19400	2000	A 105000	44-01-01			469	600	A 760
41-06-05	1001		19100	1900	A 98000	44-01-12			274	300	A 222
41-06-06			22200	1300	A 77900	44-01-29			1880	800	A 4060
41-06-16			4680	300	A 3790	44-02-07			385	500	A 520
41-08-28			4850	1000	A 13100	44-02-09			4880	1600	A 21100
41-09-05			7850	2600	A 55100	44-02-12			1330	200	A 718
41-09-11			29300	1000	A 79100	44-03-17			8630	1300	A 30300
41-10-10	1000		11800	600	A 19100	44-03-22			26100	2000	A 141000
41-10-10	1001		11000	600	A 17800	44-03-24			17700	2000	A 95600
41-10-11	1000		6290	700	A 11900	44-03-25			18000	1500	A 72900
41-10-11	1001		5540	1100	A 16500	44-03-26			9640	1300	A 33800
42-06-15			4020	2700	A 29300	44-03-30			2270	400	A 2450
42-06-24			30300	1100	A 90000	44-04-21			10200	2600	A 71600
42-06-26			23300	1300	A 81800	44-04-25			22500	3000	A 182000
42-06-29			9900	1500	A 40100	44-05-03			30600	1300	A 107000
42-08-04			5400	2700	A 39400	44-05-13			1660	400	A 1790
42-12-28			16700	3100	A 140000	44-05-17			1300	100	A 351
42-12-29			17400	1800	A 84600	44-06-01			2140	700	A 4040
42-12-30			19200	1300	A 67400	44-06-09			4850	3000	A 39300
43-02-05			7570	800	A 16400	44-06-14			3830	1400	A 14500
43-03-12			2870	300	A 2320	44-06-26			1020	100	A 275
43-05-08			17700	3700	A 177000	44-08-22			57	100	A 15
43-05-09	1000		25200	1800	A 122000	44-08-29			2920	1200	A 9460
43-05-09	1001		32500	1200	A 105000	44-09-14			137	200	A 74
43-05-10			40500	700	A 76500	44-09-27			37	200	A 20
43-05-11			47400	500	A 64000	44-09-30			23800	100	A 6430
43-05-12			48200	500	A 65100	44-10-05			30500	800	A 65900
43-05-14			34900	400	A 37700	44-10-08			14000	300	A 11300
43-05-15			10800	400	A 11700	44-10-09			3730	300	A 3020
43-05-25			52800	400	A 57000	44-10-11			1010	200	A 545
43-05-26			45600	600	A 73900	44-10-30			170	100	A 46
43-05-28			24500	1200	A 79400	44-11-08			194	200	A 105
43-05-29			6690	1100	A 19900	44-11-20			289	100	A 78
43-05-31			3070	700	A 5800	44-11-28			391	100	A 106
43-06-05			13300	2900	A 104000	44-12-07			20800	1400	A 78600
43-06-06	1000		20400	2800	A 154000	44-12-09			24800	1100	A 73700
43-06-06	1300		24200	1800	A 118000	44-12-10			23700	700	A 44800
43-06-13			10700	1800	A 52000	44-12-11			5540	600	A 8970
43-06-24	1000		19800	2300	A 123000	44-12-12			4290	500	A 5790

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
 \*\*\*\*\*

## ARKANSAS RIVER BASIN

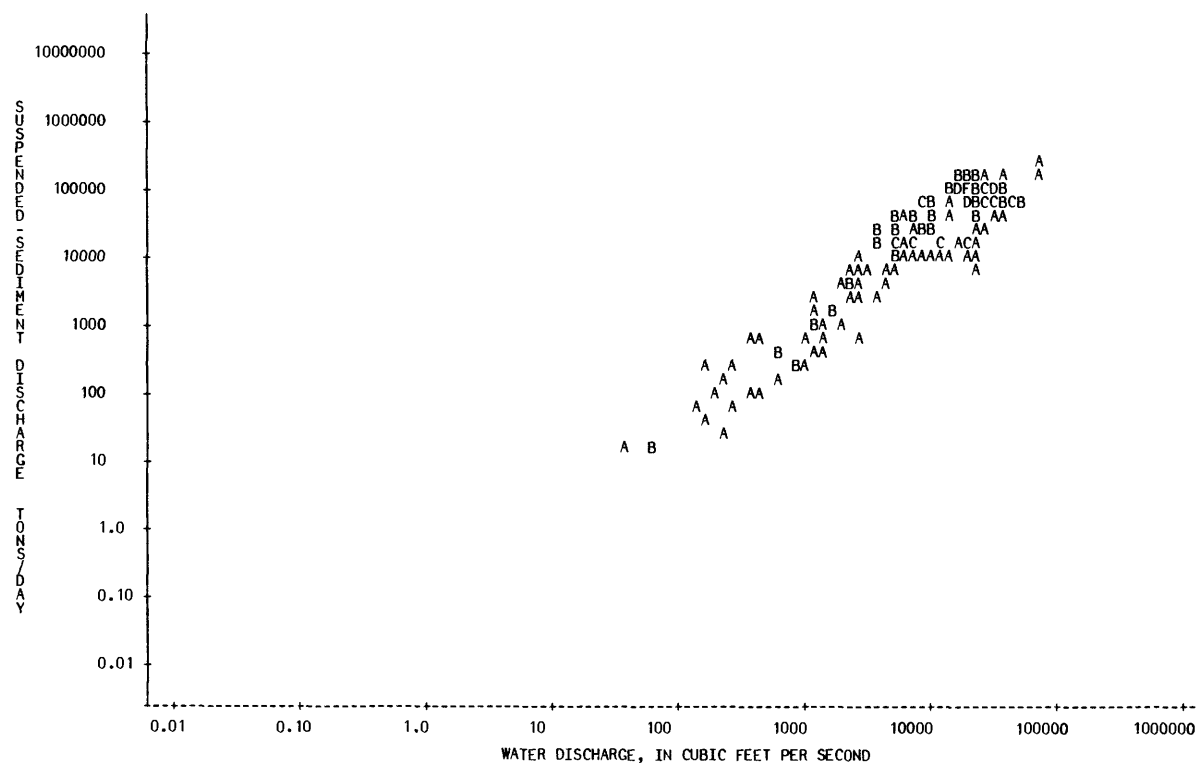
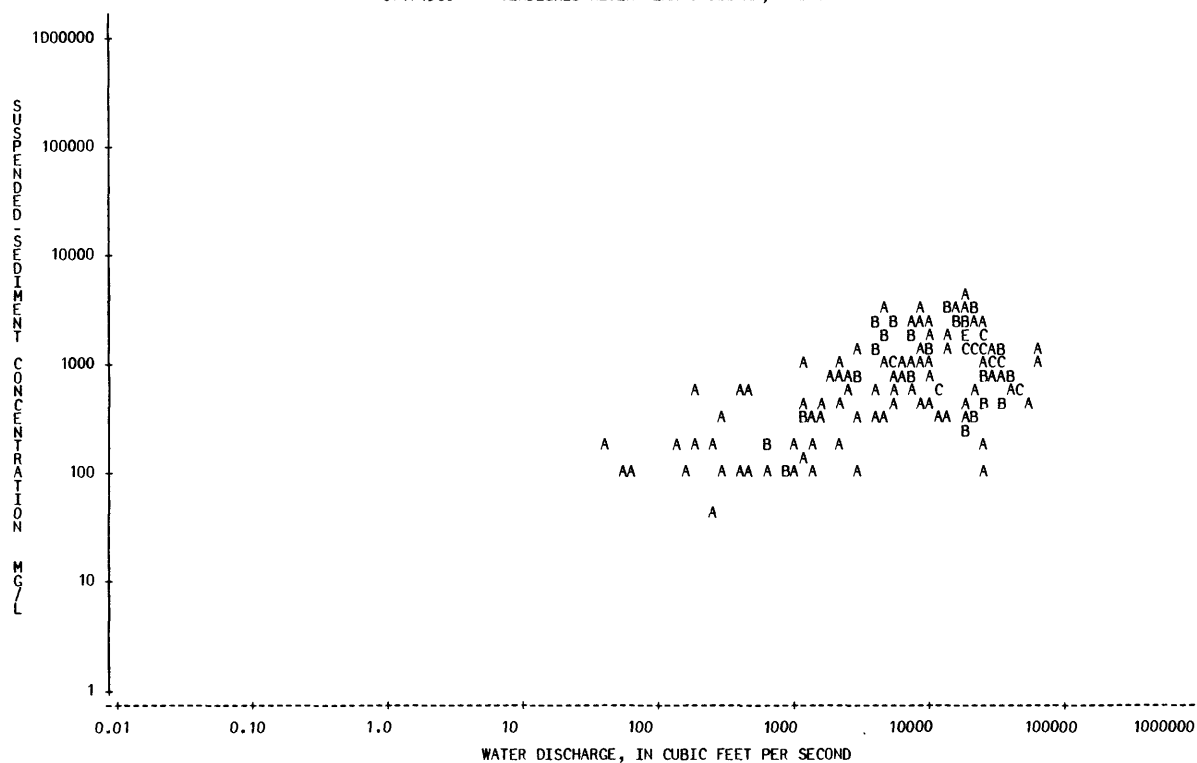
07171500 VERDIGRIS RIVER NEAR SAGEEYAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-12-18			2820	100	A 761
44-12-30			903	100	A 244
45-01-08			868	100	A 234
45-01-15			604	200	A 326
45-03-02			7390	600	A 12000
45-03-05			2600	600	A 4210
45-03-16			24200	2200	A 144000
45-03-17			18200	2000	A 98300
45-03-19			7640	1600	A 33000
45-03-20			13100	1400	A 49500
45-03-21			16400	2600	A 115000
45-03-23			14600	1700	A 67000
45-03-27			19300	3500	A 182000
45-03-29			25600	1200	A 82900
45-04-02			4860	1700	A 22300
45-04-09			2390	700	A 4520
45-04-14			25300	1300	A 88800
45-04-18			35800	900	A 87000
45-04-19			36900	1500	A 149000
45-04-20			67200	1400	A 254000
45-04-21			67300	900	A 164000
45-04-23			33400	400	A 36100
45-04-24			8150	1100	A 24200
45-04-30			18100	1300	A 63500
45-05-02			10700	800	A 23100
45-05-17			1670	300	A 1350
45-05-29			3760	2200	A 22300
45-06-19			13200	3400	A 121000
45-06-20			5790	1000	A 15600
45-06-27			660	200	A 356
45-07-02			9810	1100	A 29100
45-07-05			12100	300	A 9800
61-05-26			12300	570	A 18900
61-06-15			8130	480	A 10500
61-06-29			2020	180	A 982
61-07-16			5350	690	A 9970
61-07-18			1090	310	A 912
61-07-21			438	90	A 106
61-08-01			5370	380	A 5510
61-08-15			19800	250	A 13400
61-08-18			1210	140	A 457
61-08-31			239	40	A 26
61-09-06			19700	310	A 16500
61-09-15			20600	350	A 19500
61-09-17			23300	600	A 37700
61-09-18			24800	480	A 32100
61-09-19			24700	380	A 25300
61-09-20			21900	310	A 18300
61-09-21			19500	230	A 12100
61-09-22			24700	180	A 12000
61-09-25			17530	380	A 18000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07171500 VERDIGRIS RIVER NEAR SAGEEYAH, OKLA.



## ARKANSAS RIVER BASIN

07172000 CANEY RIVER NEAR ELGIN, KANS.

LOCATION.--Lat 37°00'13", long 96°18'54", in NW 1/4 NW 1/4 SE 1/4 sec.16, T.35 S., R.10 E., Chautauqua County, Hydrologic Unit 11070106, at county highway bridge, 2 mi (3 km) west of Elgin, and at mile 117.8 (189.5 km).

DRAINAGE AREA.--445 mi<sup>2</sup> (1,153 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-53, 1955-78.

REMARKS.--Initial upstream floodwater-retarding structure was completed in October 1965. Construction is continuing with 185 mi<sup>2</sup> (479 km<sup>2</sup>) of the drainage area above the station controlled. Bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-26			1630	3000	A 13200	51-07-13			11600	1400	A 43800
40-04-30			103	500	A 139	51-10-29			1050	200	A 567
40-06-10			891	1200	A 2890	52-06-05			2080	1600	A 8990
41-05-22			3650	3400	A 33500	53-05-12			986	590	A 1570
41-05-23			513	400	A 554	55-05-12			137	220	A 81
41-06-09			13700	3100	A 115000	55-05-28			2960	2030	A 16200
42-05-04			291	200	A 157	55-10-04			389	420	A 441
42-06-17			3900	7300	A 76900	55-10-05	1335		4490	3610	A 43800
42-06-18			630	2100	A 3570	55-12-15	1315	5.4	170		2.5
42-06-21			9480	1400	A 35800	56-06-23			1360	4860	A 17800
42-06-21	0001		6460	2600	A 45300	57-04-09			86	160	A 37
42-06-21	0002		12500	800	A 27000	57-04-17			65	150	A 26
42-09-19			2320	1600	A 10000	57-04-22			370	650	A 649
43-05-07			1720	2300	A 10700	57-04-24			682	820	A 1510
43-05-18			4070	1700	A 18700	57-05-01			3260	1570	A 13800
43-05-28			462	100	A 125	57-05-08			182	120	A 59
43-06-22			916	1300	A 3220	57-05-10			708	1080	A 2060
43-06-22	0001		765	900	A 1860	57-05-15			336	270	A 245
43-06-22	0002		1070	1600	A 4620	57-05-23			846	600	A 1370
43-07-22			29	400	A 31	57-06-12			32500	1760	A 154000
43-08-02			10.0	300	A 8.1	57-06-28			1960	910	A 4820
43-09-29			10.0	100	A 2.7	58-03-13			546	410	A 604
44-03-22			1080	1000	A 2920	58-03-14			1200	460	A 1490
44-04-12			918	300	A 744	58-04-03			15100	2260	A 92100
44-05-02			867	1000	A 2340	58-04-14			1860	450	A 2260
44-06-01			93	300	A 75	58-07-07			3790	1270	A 13000
44-06-13			458	400	A 495	59-04-14			164	130	A 58
44-08-26			311	200	A 168	59-06-01			608	650	A 1070
44-09-28			8050	1700	A 36900	59-07-09			1140	840	A 2590
44-09-28	0001		14300	2200	A 84900	59-10-02			5720	840	A 13000
44-09-28	0002		4300	1400	A 16300	59-10-03			2820	580	A 4420
44-10-03			2110	1400	A 7980	59-10-13			24400	1960	A 129000
45-04-15			3650	3600	A 35500	59-12-18			181	110	A 54
46-02-20			544	800	A 1180	60-05-09			212	160	A 92
46-03-13			485	300	A 393	60-06-13			91	260	A 64
46-03-27			475	400	A 513	60-11-01			96	90	A 23
46-04-24			303	200	A 164	60-12-12			165	60	A 27
46-11-13			14	400	A 15	61-02-21			79	390	A 83
47-03-20			101	400	A 109	61-03-06			543	440	A 645
47-04-10			7980	5500	A 119000	61-03-15			64	100	A 17
47-04-30			447	100	A 121	61-03-21			349	110	A 104
47-05-16			7320	1600	A 31600	61-04-03			244	150	A 99
47-05-20			1340	2200	A 7960	61-04-10			892	390	A 939
47-06-05			255	300	A 207	61-04-21			202	140	A 76
48-06-22			7800	5200	A 110000	61-05-01			6680	1550	A 28000
48-06-30			305	100	A 82	61-05-02			837	490	A 1110
48-07-13			591	200	A 319	61-05-06			18600	1450	A 72800
48-07-15			7010	5200	A 98400	61-06-14			516	380	A 529
49-07-12			689	900	A 1670	61-07-26			71	90	A 17
50-07-16			23600	3100	A 198000	61-09-08			199	510	A 274
50-07-31			9330	1900	A 47900	62-01-30			351	70	A 66
51-05-01			10500	2500	A 70900	62-06-05			153	130	A 54
51-06-30			29100	1800	A 141000	62-09-17			42	80	A 9.1

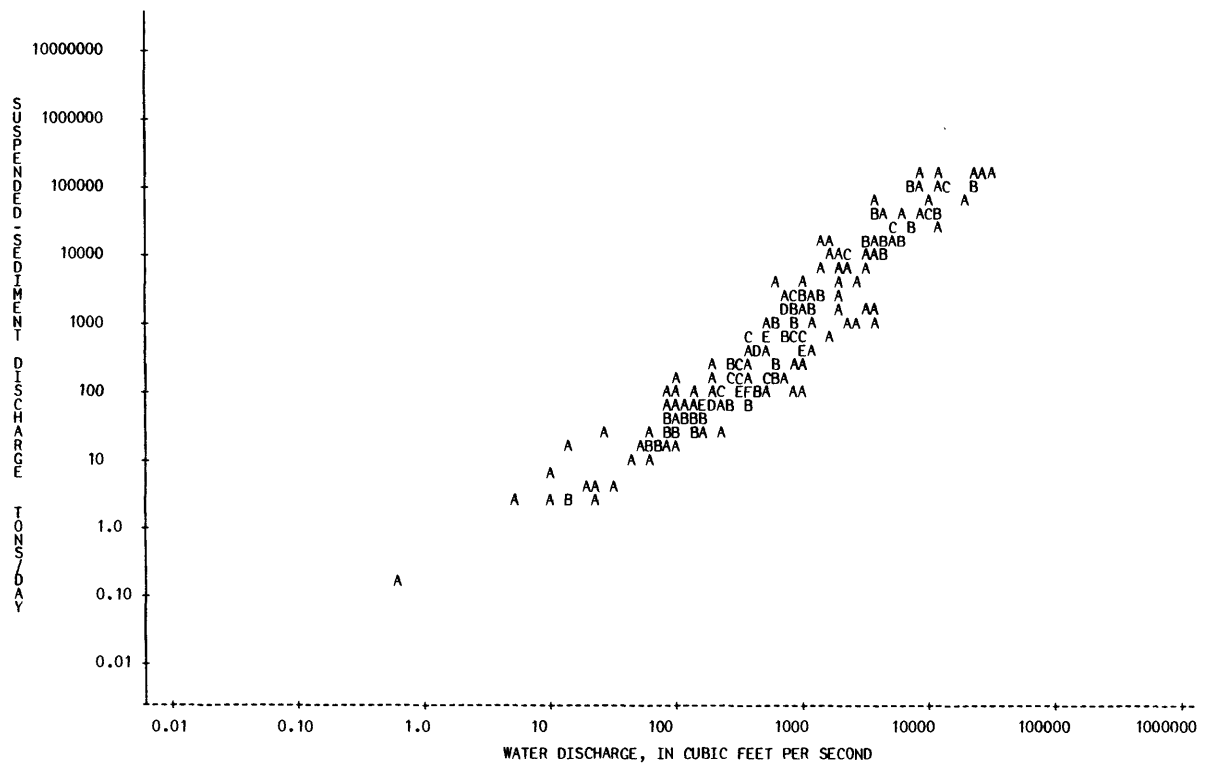
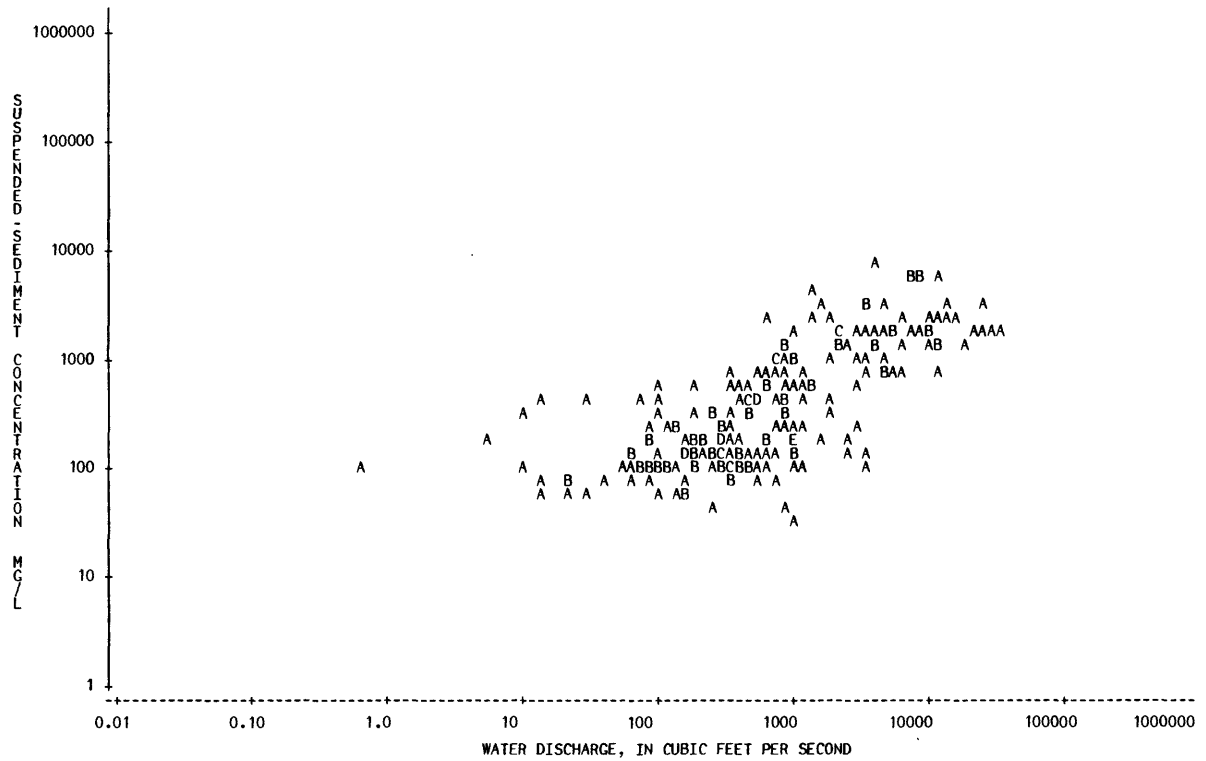
\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-10-01			86	110	A	26					
63-01-07			258	320	A	223					
63-03-05			192	180	A	93					
63-03-18			154	160	A	67					
63-03-25			92	80	A	20					
63-04-05			64	70	A	12					
63-05-28			151	60	A	24					
64-04-24			22	50	A	3.0					
64-05-11			109	240	A	71					
64-05-28			286	260	A	201					
64-08-26			0.60	110	A	0.18					
64-08-28			347	570	A	534					
64-08-31			53	110	A	16					
64-11-09			133	100	A	36					
64-11-16			9220	5600	A	139000					
64-11-17			4830	1750	A	22800					
65-03-03			349	750	A	707					
65-04-02			11200	6150	A	186000					
65-04-06			1450	530	A	2070					
65-06-10			691	850	A	1590					
65-09-21			2360	1550	A	9880					
65-09-24			82	200	A	44					
65-10-04			22	70	A	4.2					
66-03-01			388	200	A	210					
66-06-03			151	120	A	49					
66-06-07			21300	1940	A	112000					
66-06-08			1140	580	A	1790					
66-06-13			178	160	A	77					
66-06-14			3470	110	A	1030					
67-06-11			2280	1580	A	9730					
67-06-14			98	60	A	16					
67-07-06			736	270	A	537					
67-07-25			818	270	A	596					
67-09-22			125	110	A	37					
67-10-10			315	150	A	128					
68-03-13			105	90	A	26					
68-03-22			386	100	A	104					
68-04-09			231	160	A	100					
68-04-24			291	190	A	149					
68-05-14			754	390	A	794					
68-05-25			10800	1630	A	47500					
68-07-02			106	140	A	40					
68-08-21			510	140	A	193					
68-09-06			334	190	A	171					
68-09-25			333	340	A	306					
68-10-11			247	120	A	80					
68-10-22			1080	1080	A	3150					
68-11-29			1650	180	A	802					
69-02-03			378	110	A	112					
69-02-25			520	100	A	140					
69-03-24			4690	660	A	8360					
69-04-04			359	110	A	107					
69-04-09			2040	1190	A	6550					
69-04-17			3520	1130	A	10700					
69-04-23			352	80	A	76					
69-05-21			301	150	A	122					
69-06-03			1040	190	A	534					
69-06-09			287	90	A	70					
69-06-18			1220	260	A	856					
69-06-24			3380	830	A	7570					
69-06-25			2420	150	A	980					
69-10-15			179	290	A	140					
70-04-01			12300	2720	A	90300					
70-04-07			530	70	A	100					
70-04-23			1190	110	A	353					
70-04-30			1890	340	A	1740					
71-01-08			63	120	A	20					
71-02-26			484	130	A	170					
71-09-28			74	90	A	18					
71-10-04			136	260	A	95					
71-10-20			982	170	A	451					
71-10-26			1080	30	A	87					
71-11-16			14	80	A	3.0					
71-12-15			5230	1720	A	24300					
71-12-21			300	270	A	219					
72-04-21			459	300	A	372					
72-05-03			295	150	A	119					
72-07-19			5000	1070	A	14400					
72-07-24			594	120	A	192					
72-07-27			248	90	A	60					
72-10-31			345	110	A	102					
72-11-01			904	760	A	1860					
72-11-13			5100	1680	A	23100					
72-11-16			767	70	A	145					
72-11-21			618	570	A	951					
73-01-02			794	120	A	257					
73-01-29			849	40	A	92					
73-02-05			632	90	A	154					
73-03-06			500	600	A	810					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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07172000 CANEY RIVER NEAR ELGIN, KANS.



## ARKANSAS RIVER BASIN

07173000 CANEY RIVER NEAR HULAH, OKLA.

LOCATION.--Lat 36°55'34", long 96°05'01", in NE 1/4 NE 1/4 sec.11, T.28 N., R.11 E., Osage County, Hydrologic Unit 11070106, on left bank 1,200 ft (365.8 m) downstream from Hulah Dam, 2.1 mi (3.4 km) upstream from Opossum Creek, 2.5 mi (4.0 km) west of Hulah, and at mile 95.9 (154.3 km).

DRAINAGE AREA.--733 mi<sup>2</sup> (1,898 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938, 1940-50, 1952-78, 1980.

REMARKS.--Flow completely regulated since February 1950 by Hulah Lake. Municipal diversion above station by city of Bartlesville.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-21			2630	2600	A 18500	45-03-15			5650	1800	A 27500
38-05-22			2140	2900	A 16800	45-03-17			653	400	A 705
38-05-23			15370	3200	A 133000	45-03-25			17500	2500	A 118000
38-05-24			6560	800	A 14200	45-03-26			4470	1700	A 20500
38-05-27			1560	3000	A 12600	45-03-27			1090	800	A 2350
38-06-07			8360	2700	A 60900	45-04-12			1040	2100	A 5900
38-06-08			1000	2700	A 7290	45-04-17			4590	800	A 9910
38-06-14			630	200	A 340	45-04-26			1240	400	A 1340
38-07-11			30	300	A 24	45-07-02			4030	1700	A 18500
40-04-26			1700	3700	A 17000	45-07-10			3010	2100	A 17100
40-06-11			2310	1200	A 7480	45-09-24			5820	2100	A 33000
40-09-05			468	500	A 632	45-09-25			14100	1800	A 68500
41-05-23			1770	2000	A 9560	45-09-26			4340	1100	A 12900
41-06-10			11300	1000	A 30500	45-10-12			310	300	A 251
41-10-18			615	300	A 498	46-02-19			3340	800	A 7210
42-04-19			14400	2500	A 97200	46-03-13			1130	500	A 1530
42-04-20			15300	1700	A 70200	46-03-27			680	1800	A 3300
42-05-04			410	300	A 332	46-04-24			446	400	A 482
42-06-18			2000	3800	A 20500	46-11-14			17	300	A 14
42-06-21			13600	2900	A 106000	47-03-14			1120	2000	A 6050
42-06-22			6280	500	A 8480	47-03-21			100	500	A 135
43-05-08			1540	1800	A 7480	47-04-14			17100	800	A 36900
43-05-11			6190	800	A 13400	47-04-17			1160	500	A 1570
43-05-12			1660	800	A 3590	47-04-25			6740	1100	A 20000
43-05-18			16600	1200	A 53800	47-05-01			1300	800	A 2810
43-05-19			30300	1800	A 147000	47-05-16			11800	3400	A 108000
43-05-28			887	700	A 1680	47-06-05			473	500	A 639
43-06-22			535	600	A 867	48-04-29			152	300	A 123
43-07-22			41	400	A 44	48-06-23			5240	1400	A 19800
43-08-04			12	300	A 9.7	48-07-13			785	500	A 1060
43-09-29			69	200	A 37	48-07-16			6230	1500	A 25200
43-10-04			16	200	A 8.6	48-08-12			6530	2000	A 35300
44-01-31			50	400	A 54	49-03-17			2010	200	A 1090
44-03-23			1240	1100	A 3680	49-04-06			423	200	A 228
44-04-03			157	300	A 127	49-09-19			6910	1300	A 24300
44-04-11			19600	1300	A 68800	50-07-18			10500	400	A 11300
44-04-12			3140	1100	A 9330	50-07-19			17200	100	A 4640
44-04-21			1040	1200	A 3370	50-07-20			9250	200	A 5000
44-04-24			3320	1500	A 13400	50-07-21			5740	200	A 3100
44-04-25			957	600	A 1550	50-07-31			7940	1300	A 27900
44-05-02			2570	2100	A 14600	50-08-02			6460	500	A 8720
44-05-03			5470	3500	A 51700	52-03-14			4590	100	A 1240
44-05-15			187	500	A 252	52-04-24			1440	100	A 389
44-06-13			1170	600	A 1900	52-04-25			4360	100	A 1180
44-06-28			36	100	A 9.7	52-06-06			2380	200	A 1290
44-08-27			208	100	A 56	53-05-19			1870	100	A 505
44-09-05			84	500	A 113	54-05-06			4290	180	A 2080
44-09-28			8850	4000	A 95600	54-05-08			2500	210	A 1420
44-10-03			6630	500	A 8950	55-05-12			448	120	A 145
44-10-04			4070	900	A 9890	55-05-13			917	240	A 594
44-10-07			556	200	A 300	55-05-17			436	90	A 106
44-10-09			330	100	A 89	55-05-19			145	100	A 39
44-12-06			5260	600	A 8520	55-05-20			95	140	A 36

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

218

07173000 CANEY RIVER NEAR HULAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
55-05-25			1760	300	A 1430	64-11-12			49	120	A 16
55-06-01			3700	120	A 1200	64-11-20			1780	190	A 913
55-06-02			4320	130	A 1520	64-11-23			4480	170	A 2060
55-06-09			987	140	A 373	64-11-27			2280	100	A 616
55-06-14			117	150	A 47	64-12-01			463	60	A 75
55-06-20			121	150	A 49	64-12-09			150	20	A 8.1
55-10-12			318	120	A 103	65-01-26			619	80	A 134
55-10-13			178	180	A 87	65-04-06			44	160	A 19
57-05-03			1800	260	A 1260	65-04-09			4670	120	A 1510
57-05-08			144	140	A 54	65-04-12			6910	120	A 2240
57-06-07			1930	110	A 573	65-04-14			6760	70	A 1280
57-07-12			5620	80	A 1210	65-04-16			4160	80	A 899
57-07-15			1400	200	A 756	65-04-20			748	90	A 182
58-03-27			3540	120	A 1150	65-05-03			43	160	A 19
58-03-28			6140	110	A 1820	65-05-13			494	130	A 173
58-04-07			5310	190	A 2720	65-05-17			278	150	A 113
58-07-10			3130	70	A 592	65-05-24			166	150	A 67
59-04-14			288	50	A 39	65-06-25			935	110	A 278
59-05-12			407	80	A 88	65-09-08			59	10	A 1.6
59-05-19			1850	100	A 500	65-09-24			955	10	A 26
59-05-20			2720	140	A 1030	66-05-24			230	110	A 68
59-05-28			805	90	A 196	66-06-17			3310	110	A 983
59-07-20			5960	130	A 2090	67-06-05		8.0	130	A 2.8	
59-07-28			6630	100	A 1790	67-06-14			349	280	A 264
59-09-02			11	120	A 3.6	67-06-15			1510	180	A 734
59-10-20			7750	110	A 2300	67-06-16			2060	160	A 890
59-10-23			7820	60	A 1270	67-07-07			740	120	A 240
59-11-04			316	80	A 68	67-10-16			178	90	A 43
59-11-12			80	60	A 13	68-03-25			2030	60	A 329
60-02-18			396	40	A 43	68-03-26			949	60	A 154
60-03-29			391	80	A 84	68-04-01			162	110	A 48
60-04-07			221	100	A 60	68-04-02			133	70	A 25
60-05-03			144	130	A 51	68-04-09			1510	90	A 367
60-06-01			917	80	A 198	68-04-12			241	90	A 59
60-07-26			12	110	A 3.6	68-04-24			687	110	A 204
60-08-10			465	100	A 126	68-05-07			83	110	A 25
61-03-29			459	50	A 62	68-05-13			242	90	A 59
61-04-04			926	70	A 175	68-05-15			1100	100	A 297
61-04-11			1850	110	A 549	68-05-17			1640	90	A 399
61-04-14			1370	90	A 333	68-05-31			2820	70	A 533
61-05-26			6100	140	A 2310	68-06-06			167	120	A 54
61-05-29			7450	230	A 4630	68-07-05			478	60	A 77
61-06-05			4500	60	A 729	68-07-08			336	100	A 91
61-06-09			4250	50	A 574	68-07-15			33	50	A 4.5
61-06-20			196	140	A 74	68-07-22			17	50	A 2.3
61-06-27			45	150	A 18	68-08-16		4.0	40	A 0.43	
61-07-11		10.0		130	A 3.5	68-08-21			1520	80	A 328
61-08-21			467	140	A 177	68-08-26			230	80	A 50
61-09-08			778	180	A 378	68-09-06			947	130	A 332
61-09-29			5750	160	A 2480	68-09-10			473	100	A 128
61-10-09			85	150	A 34	68-09-11			149	90	A 36
61-11-08			5060	120	A 1640	68-09-17			11	110	A 3.3
61-11-21			6270	100	A 1690	68-09-25			317	80	A 68
61-11-27			3120	60	A 505	68-10-03			14	100	A 3.8
62-04-17			21	70	A 4.0	68-10-11			954	80	A 206
62-04-27			40	90	A 9.7	68-10-14			460	70	A 87
62-05-23		1.0		80	A 0.22	68-10-17			244	100	A 66
62-05-28		7.0		150	A 2.8	68-11-29			248	40	A 27
62-06-04			12	80	A 2.6	68-12-03			2050	40	A 221
62-08-07			16	70	A 3.0	68-12-05			2880	40	A 311
62-08-16			11	60	A 1.8	68-12-09			378	30	A 31
62-08-27			18	80	A 3.9	68-12-10			799	30	A 65
62-09-04			20	80	A 4.3	69-03-03			334	60	A 54
63-01-09			930	20	A 50	69-03-28			2150	80	A 464
63-03-19			225	90	A 55	69-04-02			3280	70	A 620
63-03-25			81	70	A 15	69-04-04			1530	280	A 1160
63-04-01			14	70	A 2.6	69-04-07			336	60	A 54
63-04-05			155	50	A 21	69-04-11			990	90	A 241
63-05-08		5.0		60	A 0.81	69-04-14			3240	50	A 437
63-06-03		8.0		60	A 1.3	69-04-18			979	90	A 238
63-06-17			11	50	A 1.5	69-04-23			1570	50	A 212
63-07-10			18	70	A 3.4	69-04-24			247	80	A 53
63-07-17			13	100	A 3.5	69-04-29			1850	70	A 350
63-07-29			20	120	A 6.5	69-05-05			312	70	A 59
63-08-12			19	50	A 2.6	69-05-13			725	70	A 137
63-08-27			12	100	A 3.2	69-05-21			796	70	A 150
63-09-09			11	50	A 1.5	69-05-26			159	90	A 39
63-10-07		10.0		130	A 3.5	69-06-04			2070	70	A 391
63-10-22			13	70	A 2.5	69-06-05			3150	180	A 1530
64-01-13			10.0	120	A 3.2	69-06-11			2460	240	A 1590
64-04-07			12	140	A 4.5	69-07-01			3980	300	A 3220
64-04-17			10.0	150	A 4.0	69-07-02			4580	540	A 6680
64-04-28			10.0	120	A 3.2	69-07-07			4570	110	A 1360
64-05-11			13	140	A 4.9	69-07-08			4660	130	A 1640
64-06-08		9.0		120	A 2.9	69-07-10			32	150	A 13
64-08-31			962	190	A 494	69-07-28			23	80	A 5.0
64-09-01			1440	170	A 661	69-08-11		10.0	10.0	90	A 2.4
64-09-03			360	380	A 369	69-08-25		10.0	100	A 2.7	
64-09-08			12	240	A 7.8	69-09-10		12	80	A 2.6	

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

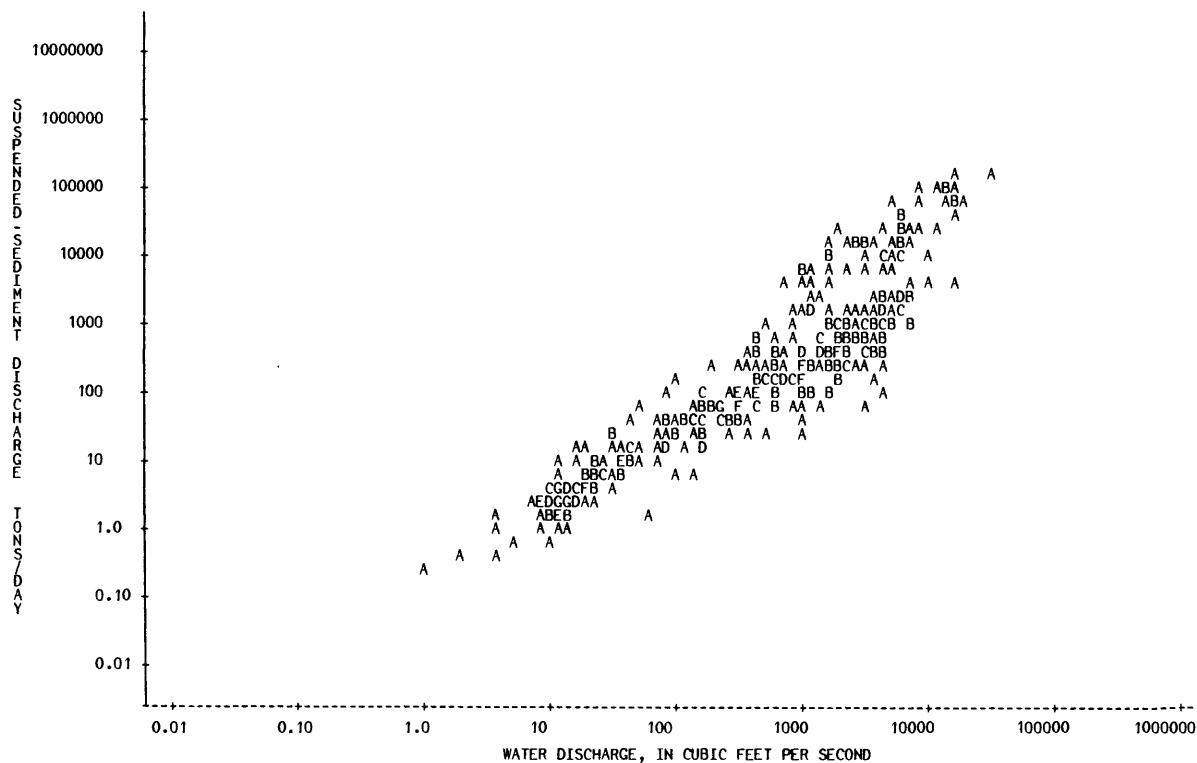
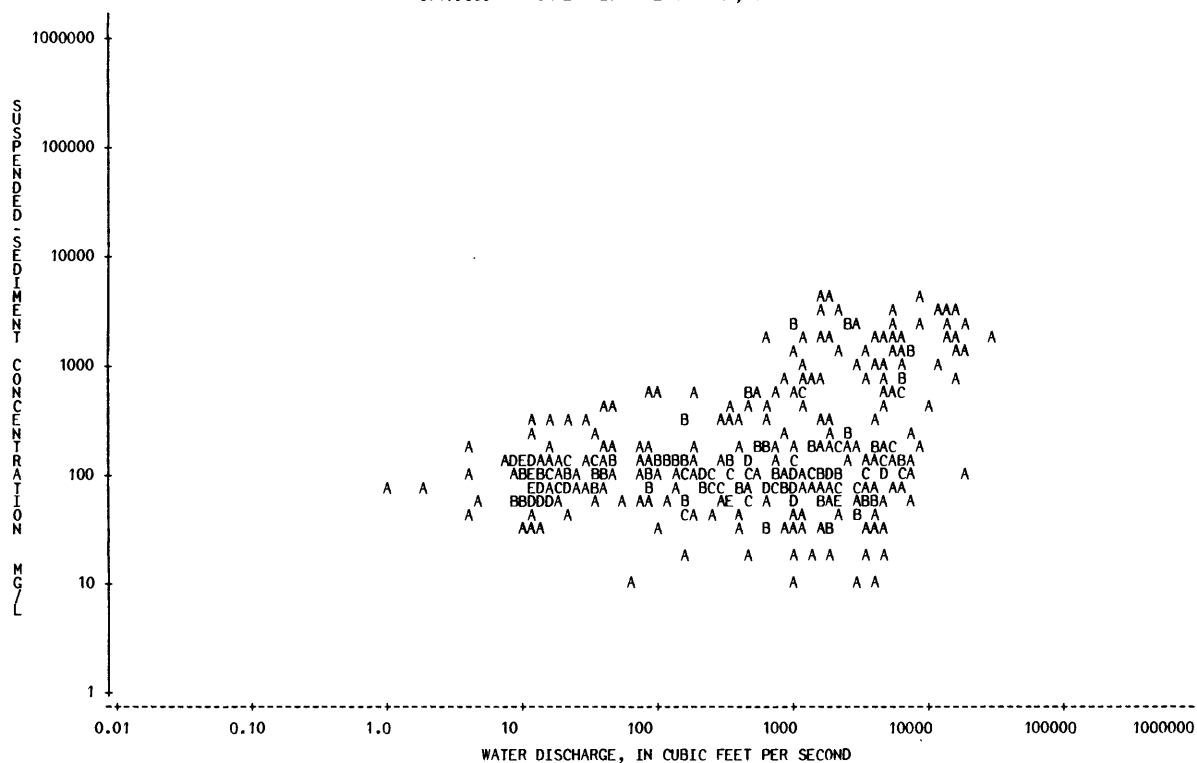
07173000 CANEY RIVER NEAR HULAH, OKLA.--CONTINUED

219

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-09-22			9.0	90	A 2.2	74-10-30			665	50	A 90
69-10-03			10.0	60	A 1.6	74-11-18			1130	70	A 214
69-10-16			518	110	A 154	74-11-21			4760	30	A 386
69-10-17			1460	70	A 276	74-11-25			4550	20	A 246
69-11-03			77	60	A 12	74-12-10			1730	20	A 93
70-04-07			2770	80	A 598	75-01-06			1070	50	A 144
70-04-09			3330	30	A 270	75-01-27			630	80	A 136
70-04-16			93	30	A 7.5	75-02-03			323	120	A 105
70-04-23			1850	30	A 150	75-02-12			2200	110	A 653
70-05-06			2930	10	A 79	75-03-03			2000	60	A 324
70-05-07			3500	50	A 473	75-03-19			490	120	A 159
70-05-15			1380	110	A 410	75-04-09			1560	50	A 211
70-05-18			82	90	A 20	75-04-21			259	70	A 49
70-05-22			44	90	A 11	75-05-08			237	80	A 51
70-06-01			28	70	A 5.3	75-06-09			639	80	A 138
70-06-08			962	40	A 104	75-06-19			1010	80	A 218
70-07-13			11	120	A 3.6	75-07-07			22	90	A 5.3
70-07-27			12	140	A 4.5	75-07-28			23	150	A 9.3
70-08-11			12	80	A 2.6	75-08-18			27	80	A 5.8
70-08-24			12	110	A 3.6	75-09-08			23	140	A 8.7
70-09-22			4.0	170	A 1.8	75-10-02			25	100	A 6.7
70-10-01			12	90	A 2.9	76-03-09			21	300	A 17
70-10-12			11	70	A 2.1	76-03-22			954	50	A 129
70-10-26			12	50	A 1.6	76-05-03			2200	50	A 297
70-11-09			13	60	A 2.1	76-06-07			81	180	A 39
71-05-12			9.0	130	A 3.2	76-07-27			78	150	A 32
71-09-05			774	70	A 146	76-08-17			35	120	A 11
71-09-28			628	70	A 119	76-10-06			34	270	A 25
71-09-29			934	70	A 177	76-10-27			77	90	A 19
71-10-04			42	100	A 11	76-12-16			37	80	A 8.0
71-10-06			320	50	A 43	77-01-21			35	110	A 10
71-12-20			4.0	100	A 1.1	77-02-08			14	50	A 1.9
71-12-21			2.0	70	A 0.38	77-03-01			14	70	A 2.6
72-01-06			164	40	A 18	77-04-04			16	100	A 4.3
72-04-24			319	60	A 52	77-04-25			17	110	A 5.0
72-05-03			933	70	A 176	77-05-09			332	110	A 99
72-05-08			172	40	A 19	77-05-26			3220	100	A 869
72-05-30			21	120	A 6.8	77-06-15			35	120	A 11
72-07-10			9.0	50	A 1.2	77-07-21			40	130	A 14
72-07-21			2020	60	A 327	77-08-26			2250	70	A 425
72-07-27			318	50	A 43	77-09-13			93	120	A 30
72-08-07			36	70	A 6.8	77-10-03	1210	1020	120	A 330	
72-08-18			16	60	A 2.6	77-10-25	1215	32	80	A 6.9	
72-09-12			16	60	A 2.6	77-11-08	1400	3220	100	A 869	
72-10-03			12	40	A 1.3	77-11-10	1300	23	70	A 4.3	
72-10-16			13	30	A 1.1	77-12-01			160	40	A 17
72-10-31			22	40	A 2.4	78-03-01			1020	50	A 138
72-11-03			656	30	A 53	78-03-20	1145	124	50	A 17	
72-11-06			967	30	A 78	80-04-24	1210	157	60	A 25	
72-11-08			167	40	A 18	80-07-09	1405	12	80	A 2.6	
72-11-17			2120	50	A 286	80-07-28	1430	20	90	A 4.9	
72-11-21			10.0	30	A 0.81						
72-11-29			1810	30	A 147						
73-01-09			4020	60	A 651						
73-01-15			488	20	A 26						
73-01-18			1300	20	A 70						
73-01-30			3910	40	A 422						
73-01-31			3170	40	A 342						
73-02-05			2110	50	A 285						
73-02-13			650	30	A 53						
73-03-12			55	60	A 8.9						
73-03-15			1560	30	A 126						
73-03-19			3460	20	A 187						
73-04-10			1110	30	A 90						
73-04-26			1140	40	A 123						
73-05-04			4080	30	A 330						
73-05-11			4250	10	A 115						
73-06-11			95	110	A 28						
73-07-11			22	100	A 5.9						
73-07-25			21	70	A 4.0						
73-08-08			15	50	A 2.0						
73-08-08	0001		14	60	A 2.3						
73-09-12			13	70	A 2.5						
73-10-03			12	30	A 0.97						
73-10-16			15	120	A 4.9						
73-11-28			29	150	A 12						
73-12-10			1030	110	A 306						
74-01-07			230	70	A 43						
74-02-20			87	70	A 16						
74-03-19			3810	170	A 1750						
74-03-20			4840	90	A 1180						
74-04-03			4810	490	A 6360						
74-04-23			613	180	A 298						
74-05-23			574	180	A 279						
74-06-18			2230	170	A 1020						
74-07-09			17	100	A 4.6						
74-07-31			10.0	60	A 1.6						
74-08-20			8.0	120	A 2.6						
74-10-07			13	60	A 2.1						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07173000 CANEY RIVER NEAR HULAH, OKLA.





## ARKANSAS RIVER BASIN

07174200 LITTLE CANEY RIVER BELOW COTTON CREEK NEAR COPAN, OKLA.

LOCATION.--Lat 36°53'42", Long 95°58'09", in W 1/2 sec.19, T.28 N., R.13 E., Washington County, Hydrologic Unit 11070106, near right bank on downstream side of pier of bridge on State Highway 10, 2 mi (3 km) west of Copan, 4.2 mi (6.8 km) downstream from Cotton Creek, and at mile 8.8 (14.2 km).

DRAINAGE AREA.--502 mi<sup>2</sup> (1,300 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-78, 1980.

REMARKS.--Prior to October 1962, published as Caney Creek below Cotton Creek near Copan. Bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-03-23			605	900	A 1470	49-05-03			167	100	A 45
44-04-21			1690	1100	A 5020	49-06-14			392	200	A 212
44-04-27			4540	2500	A 30600	49-07-14			231	900	A 561
44-05-03			3380	3000	A 27400	49-09-19			3370	900	A 8190
44-05-13			98	300	A 79	50-06-05			459	400	A 496
44-06-09			1380	1200	A 4470	50-07-19			15900	200	A 8590
44-08-26			1660	100	A 448	50-07-21			1110	200	A 599
44-08-27			197	900	A 479	50-08-01			4830	500	A 6520
44-09-05			51	700	A 96	51-05-02			7050	1100	A 20900
44-09-28			4820	300	A 3900	51-05-25			247	300	A 200
44-09-29			6260	600	A 10100	51-06-30			32600	400	A 35200
44-09-30			826	400	A 892	51-07-01			15200	100	A 4100
44-10-04			7240	300	A 5860	51-07-11			306	300	A 248
44-10-05			5420	200	A 2930	51-07-13			4790	1600	A 20700
44-10-06			1180	200	A 637	51-09-17			53	100	A 14
44-12-05			6520	1000	A 17600	51-10-30			469	200	A 253
44-12-06			7460	600	A 12100	51-11-09			1660	500	A 2240
44-12-07			1010	300	A 818	52-03-03			1560	600	A 2530
45-02-22			299	100	A 81	52-03-10			4890	1800	A 23800
45-03-15			2800	2300	A 17400	52-03-11			7070	700	A 13400
45-03-25			6270	1800	A 30500	52-03-13			466	200	A 252
45-03-26			1340	800	A 2890	52-04-23			2600	800	A 5620
45-04-16			18100	1200	A 58600	53-03-04			250	200	A 135
45-07-02			5680	800	A 12300	53-05-12			1110	1900	A 5690
45-07-11			5740	600	A 9300	53-05-13			1230	500	A 1660
45-08-17		4.0	300	A 3.2		53-05-19			301	300	A 244
45-09-14		1.0	400	A 1.1		53-09-04			812	1100	A 2410
45-09-25			5320	1200	A 17200	53-11-20			601	1100	A 1780
45-09-27			1080	600	A 1750	53-12-03			331	1200	A 1070
45-10-12			90	200	A 49	53-12-04			85	900	A 207
46-02-19			2650	2000	A 14300	54-05-01			1500	700	A 2840
46-03-13			539	500	A 728	54-05-03			9550	700	A 18000
46-03-27			275	1100	A 817	54-05-05			218	300	A 177
46-04-17			140	100	A 38	54-05-26			290	800	A 626
46-04-30			28	1400	A 106	54-10-11			1460	2900	A 11400
46-09-11			192	1400	A 726	54-10-12			3060	2200	A 18200
46-11-14			28	200	A 15	54-10-13			1560	1000	A 4210
46-12-17			17	100	A 4.6	55-03-21			86	200	A 46
47-03-20			49	500	A 66	55-05-12			1520	1000	A 4100
47-04-07			289	600	A 468	55-05-13			412	300	A 334
47-04-18			296	200	A 160	55-05-19			354	700	A 669
47-05-01			710	600	A 1150	55-05-21			542	600	A 878
47-05-16			4630	1300	A 16300	55-05-26			3900	1700	A 17900
47-06-04			161	500	A 217	55-05-27			5160	1200	A 16700
48-04-29			67	200	A 36	55-05-28			5170	600	A 8380
48-05-11			3150	1000	A 8510	55-05-30			696	500	A 940
48-06-23			9180	600	A 14900	55-06-02			83	100	A 22
48-07-01			170	200	A 92	55-10-03			1510	700	A 2850
48-07-14			235	300	A 190	55-10-04			198	600	A 321
48-07-16			5280	600	A 8550	55-10-05			1140	600	A 1850
48-07-28			611	500	A 825	56-07-06			102	100	A 28
48-08-12			5520	1000	A 14900	57-03-25			3650	500	A 4930
49-02-17			1170	500	A 1580	57-04-02			293	100	A 79

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07174200 LITTLE CANEY RIVER BELOW COTTON CREEK NEAR COPAN, OKLA.--CONTINUED

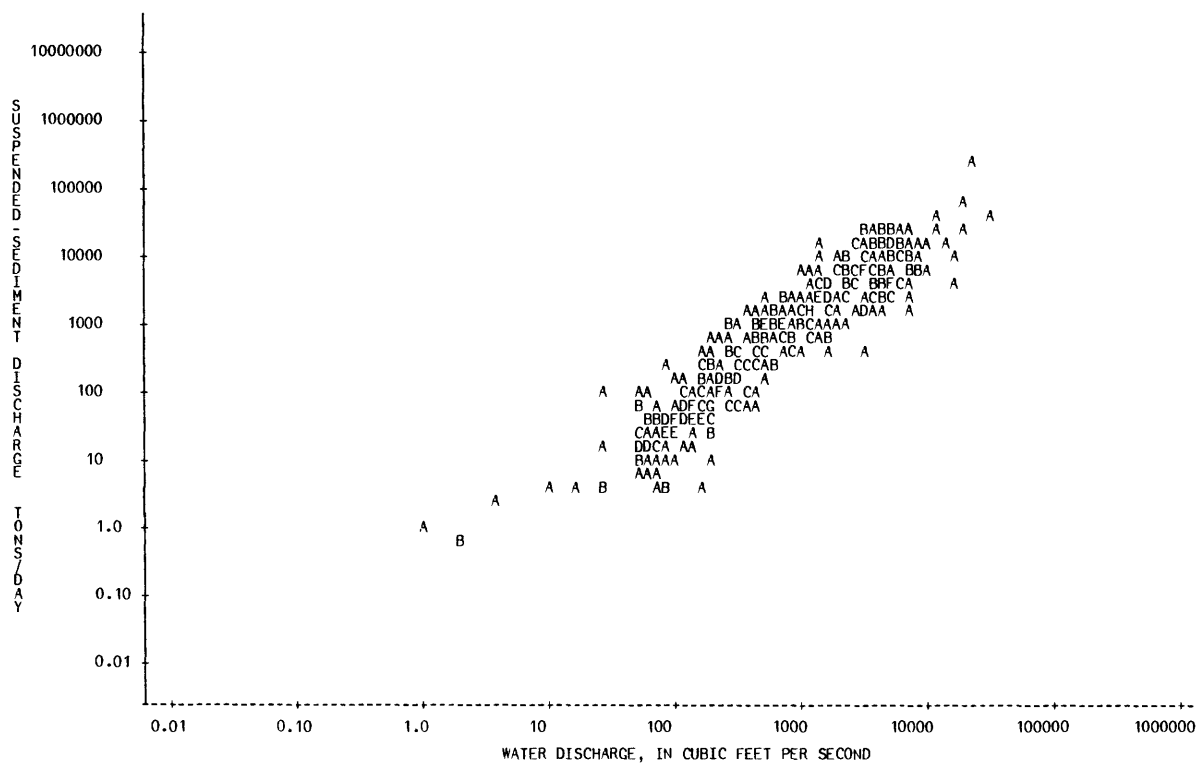
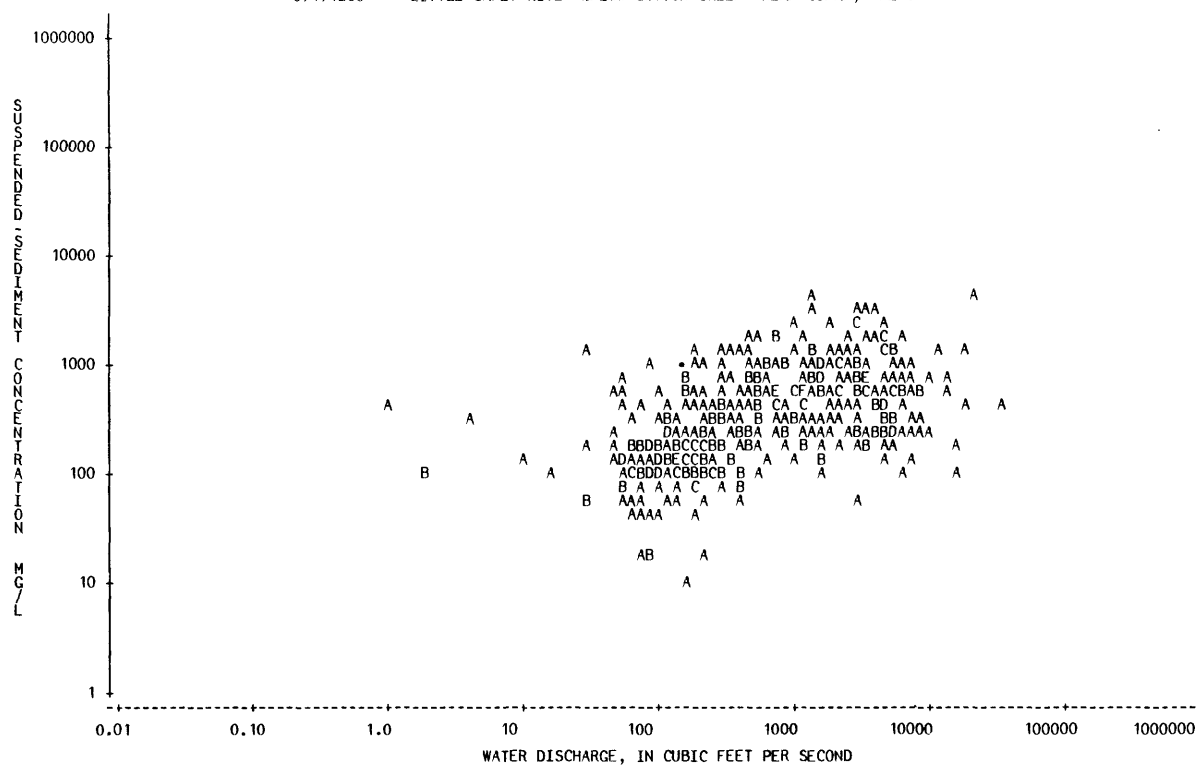
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-04-03			3710	2800	A 28000	61-06-15			1560	810	A 3410
57-04-04			426	500	A 575	61-06-20			77	90	A 19
57-04-07			270	100	A 73	61-08-22			103	570	A 159
57-04-15			1100	300	A 891	61-09-05			1230	1050	A 3490
57-04-20			491	1500	A 1990	61-09-17			1110	230	A 689
57-04-22			694	600	A 1120	61-09-25			188	110	A 56
57-04-23			1400	700	A 2650	61-09-29			97	80	A 21
57-04-24			2000	1000	A 5400	61-10-02			75	40	A 9.1
57-05-01			4570	1800	A 22200	61-10-16			301	160	A 130
57-05-03			584	200	A 315	61-10-18			173	80	A 37
57-05-06			133	100	A 36	61-10-31			3200	820	A 7080
57-05-08			65	100	A 18	61-11-03			7970	350	A 7530
57-05-10			636	700	A 1200	61-11-08			261	110	A 78
57-05-14			2310	400	A 2490	61-11-14			1240	400	A 1340
57-05-23			6710	500	A 9060	61-11-17			5710	230	A 3550
57-05-27			743	400	A 802	61-11-21			483	210	A 274
57-06-04			724	400	A 782	61-11-29			192	40	A 21
57-06-18			4870	1400	A 18400	61-12-14			208	50	A 28
57-07-05			92	100	A 25	61-12-18			1580	180	A 768
58-07-07			1510	900	A 3670	62-01-12			97	100	A 26
58-07-10			76	200	A 41	62-01-30			342	210	A 194
59-04-15			48	190	A 25	62-02-14			88	20	A 4.8
59-05-11			158	420	A 179	62-03-22			470	760	A 964
59-05-18			2000	2190	A 11800	62-04-04			56	70	A 11
59-05-19			2950	1320	A 10500	62-04-30			1340	4410	A 16000
59-05-20			1718	540	A 2500	62-06-04			134	280	A 101
59-07-20			550	320	A 475	62-09-17			300	480	A 389
59-07-23			3320	690	A 6190	62-09-26			126	300	A 102
59-07-28			125	210	A 71	62-10-01			1560	670	A 2820
59-10-05			6930	230	A 4300	62-11-29			179	160	A 77
59-10-07			3620	180	A 1760	63-01-07			476	530	A 681
59-10-10			208	130	A 73	63-03-05			532	760	A 1090
59-10-15			1100	380	A 1130	63-03-19			198	130	A 69
59-10-19			208	100	A 56	63-04-01			95	130	A 33
59-11-04			740	370	A 739	63-05-06			48	120	A 16
59-11-09			64	50	A 8.6	63-05-28			142	130	A 50
59-11-21			100	160	A 43	64-03-17			699	1570	A 2960
59-11-29			132	140	A 50	64-06-14			213	220	A 127
59-12-18			1200	570	A 1850	64-08-16			385	1330	A 1380
60-01-15			1400	1430	A 5410	64-09-02			75	370	A 75
60-01-20			144	110	A 43	64-11-18			2890	640	A 4990
60-02-19			103	120	A 33	64-11-19			1770	400	A 1910
60-03-11			1590	340	A 1460	64-11-23			111	160	A 48
60-03-29			113	110	A 34	64-11-24			83	140	A 31
60-04-07			87	100	A 23	65-04-03			11400	1210	A 37200
60-04-14			2730	2200	A 16200	65-04-04			12700	750	A 25700
60-05-07			2260	610	A 3720	65-04-05			6690	450	A 8130
60-05-16			52	150	A 21	65-04-06			4710	690	A 8770
60-06-13			86	200	A 46	65-04-07			2410	440	A 2860
60-08-09			765	930	A 1920	65-04-09			448	260	A 314
60-08-10			164	870	A 385	65-04-12			408	390	A 430
60-11-01			170	560	A 257	65-04-14			146	180	A 71
60-11-16			162	680	A 297	65-04-16			149	160	A 64
60-12-06			271	270	A 198	65-04-20			73	90	A 18
60-12-12			956	360	A 929	65-04-21			58	130	A 20
60-12-15			59	110	A 18	65-04-26			108	90	A 26
61-02-27			990	1190	A 3180	65-05-10			448	910	A 1100
61-03-07			526	1870	A 2660	65-06-22			3320	200	A 1790
61-03-21			707	580	A 1110	65-06-24			2400	1320	A 8550
61-03-29			228	410	A 252	65-06-25			1230	780	A 2590
61-04-04			145	150	A 59	65-06-29			142	170	A 65
61-04-10			2030	1020	A 5590	65-07-06			724	1630	A 3190
61-04-21			3620	1800	A 17600	65-09-07			498	820	A 1100
61-04-24			1020	550	A 1510	65-09-10			111	210	A 63
61-04-26			3300	750	A 6680	65-09-13			50	210	A 28
61-04-27			1220	520	A 1710	65-09-23			510	360	A 496
61-04-28			341	320	A 295	65-09-30			60	90	A 15
61-05-01			6160	870	A 14500	66-03-01			808	930	A 2030
61-05-02			9040	510	A 12400	66-04-25			188	130	A 66
61-05-04			3040	750	A 6160	66-04-26			108	90	A 26
61-05-05			227	160	A 98	66-06-06			52	130	A 18
61-05-07			12900	580	A 20200	66-06-08			3630	870	A 8530
61-05-08			19000	460	A 23600	66-06-09			3950	370	A 3950
61-05-09			22800	4500	A 277000	66-06-10			2040	310	A 1710
61-05-10			9180	230	A 5700	66-06-13			228	210	A 129
61-05-12			788	300	A 638	66-06-14			519	690	A 967
61-05-15			227	150	A 92	66-06-15			173	410	A 192
61-05-16			166	150	A 67	66-06-16			118	310	A 99
61-05-17			145	150	A 59	67-05-17			54	130	A 19
61-05-18			140	150	A 57	67-05-29			448	1660	A 2010
61-05-26			569	460	A 707	67-05-31			201	530	A 288
61-05-29			158	140	A 60	67-06-12			4540	490	A 6010
61-05-31			120	140	A 45	67-06-13			5440	220	A 3230
61-06-02			95	150	A 38	67-07-06			2310	690	A 4300
61-06-05			165	240	A 107	67-07-25			2310	1360	A 8480
61-06-07			111	230	A 69	67-07-26			751	550	A 1120
61-06-08			298	450	A 362	67-10-10			216	190	A 111
61-06-09			1960	1350	A 7140	67-11-07			69	80	A 15
61-06-12			127	220	A 75	67-12-04			99	40	A 11

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	A	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	A	DISCHARGE (TONS/DAY)	
+++++														
68-01-30			356	120	A	115	75-03-03			387	80	A	84	
68-03-11			157	120	A	51	75-03-19			2240	510	A	3080	
68-03-27			187	150	A	76	75-03-31			1270	310	A	1060	
68-04-08			383	60	A	62	75-04-09			1090	580	A	1710	
68-04-22			110	50	A	15	75-04-22			159	10	A	4.3	
68-06-04			158	180	A	77	75-05-08			167	90	A	41	
68-06-18			107	150	A	43	75-05-15			3120	280	A	2360	
68-08-12			276	1290	A	961	75-06-19			836	280	A	632	
68-08-27			63	200	A	34	76-03-04			504	930	A	1270	
68-11-19			257	100	A	69	76-04-25			80	180	A	39	
69-01-27			65	40	A	7.0	76-04-30			1110	440	A	1320	
69-01-30			1300	1020	A	3580	76-07-01			51	400	A	55	
69-03-24			3200	760	A	6570	76-07-05			6810	110	A	2020	
69-03-25			3580	640	A	6190	76-07-19			57	570	A	88	
69-03-27			1510	130	A	530	77-05-24			2060	570	A	3170	
69-04-09			3080	3120	A	25900	77-06-08			60	140	A	23	
69-04-14			559	380	A	574	77-06-24			4960	380	A	5090	
69-04-18			3070	950	A	7870	77-06-27			5200	250	A	3510	
69-04-28			933	650	A	1640	77-06-30			1570	270	A	1140	
69-05-12			122	270	A	89	77-08-26			112	480	A	145	
69-05-26			318	390	A	335	77-09-13			397	260	A	279	
69-06-04			3150	240	A	2040	77-10-03	1430		80	90	A	19	
69-06-09			2160	970	A	5660	77-10-25		1030	81	40	A	8.7	
69-06-23			178	180	A	87	77-11-03		1345	3770	240	A	2440	
69-06-26			4900	290	A	3840	77-11-04		1045	3790	270	A	2760	
69-09-17			2800	650	A	4910	77-11-10		1430	3460	230	A	2150	
69-10-14			4410	250	A	2980	77-12-01		1045	53	50	A	7.2	
69-10-15			4650	200	A	2510	78-02-14		1300	1760	300	A	1430	
69-10-16			2990	210	A	1700	78-03-01		1145	428	110	A	127	
69-11-12			69	20	A	3.7	78-03-20		1315	72	60	A	12	
70-03-23			400	210	A	227	78-03-27		1115	803	210	A	455	
70-04-06			887	210	A	503	78-04-17		1420	203	90	A	49	
70-04-30			4750	1540	A	19800	78-05-01		1415	4220	400	A	4560	
70-05-01			5210	350	A	4920	78-05-02		1315	4410	390	A	4640	
70-05-02			3075	200	A	1660	78-05-03		1115	2840	480	A	3680	
70-05-06			261	150	A	106	80-08-25		1155	2.0	100	A	0.54	
70-06-09			97	170	A	45								
70-06-24			262	470	A	332								
71-01-04			2650	990	A	7080								
71-03-01			325	150	A	132								
71-07-06			2200	900	A	5350								
71-09-28			200	250	A	135								
71-10-26			212	160	A	92								
72-07-19			932	2720	A	6840								
72-12-14			88	20	A	4.8								
73-01-04			3740	520	A	5250								
73-01-30			739	210	A	419								
73-02-13			201	20	A	11								
73-03-05			3170	60	A	514								
73-03-28			2680	210	A	1520								
73-04-10			1020	150	A	413								
73-04-17			5800	240	A	3760								
73-04-26			1460	260	A	1020								
73-05-11			550	240	A	356								
73-05-15			177	70	A	33								
73-05-29			125	150	A	51								
73-06-11			662	120	A	214								
73-10-03			79	120	A	26								
73-10-12			3470	560	A	5250								
73-10-18			54	80	A	12								
73-10-30			72	160	A	31								
74-01-28			410	70	A	77								
74-03-12			9660	250	A	6520								
74-03-13			6290	270	A	4590								
74-03-14			5260	290	A	4120								
74-03-15			4650	470	A	5900								
74-03-18			1960	230	A	1220								
74-03-20			824	190	A	423								
74-03-25			247	180	A	120								
74-05-01			1320	620	A	2210								
74-06-10			4720	130	A	1660								
74-06-12			2110	190	A	1080								
74-06-18			181	190	A	93								
74-07-09			10.0	150	A	4.0								
74-07-31			2.0	100	A	0.54								
74-08-20			64	290	A	50								
74-09-16			29	50	A	3.9								
74-10-15			28	60	A	4.5								
74-10-29			2820	690	A	5250								
74-11-01			4860	240	A	3150								
74-11-06			7350	130	A	2580								
74-11-11			1630	150	A	660								
74-11-15			392	90	A	95								
74-11-18			184	90	A	45								
74-11-21			146	50	A	20								
74-12-10			130	80	A	28								
74-12-19			193	80	A	42								
75-01-06			525	100	A	142								
75-02-12			297	80	A	64								

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07174200 LITTLE CANEY RIVER BFLOW COTTON CREEK NEAR COPAN, OKLA.



## ARKANSAS RIVER BASIN

07174500 CANEY RIVER AT BARTLESVILLE, OKLA.

LOCATION.--Lat 36°45', long 95°58', in SE 1/4 NE 1/4 sec.7, T.26 N., R.13 E., Washington County, Hydrologic Unit 11070106, at bridge on U.S. Highway 60 at Bartlesville, 0.7 mi (1.1 km) downstream from Coon Creek, 3.2 mi (5.2 km) upstream from Sand Creek, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--1,465 mi<sup>2</sup> (3,794 km<sup>2</sup>).

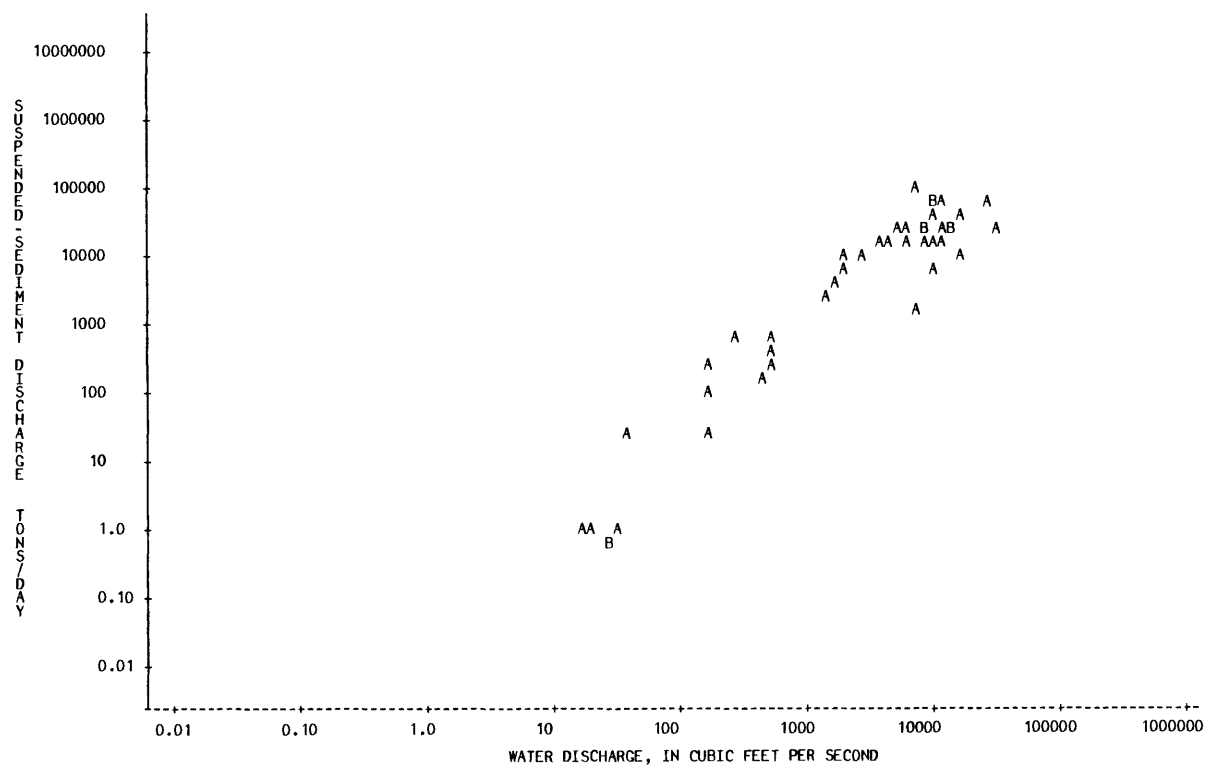
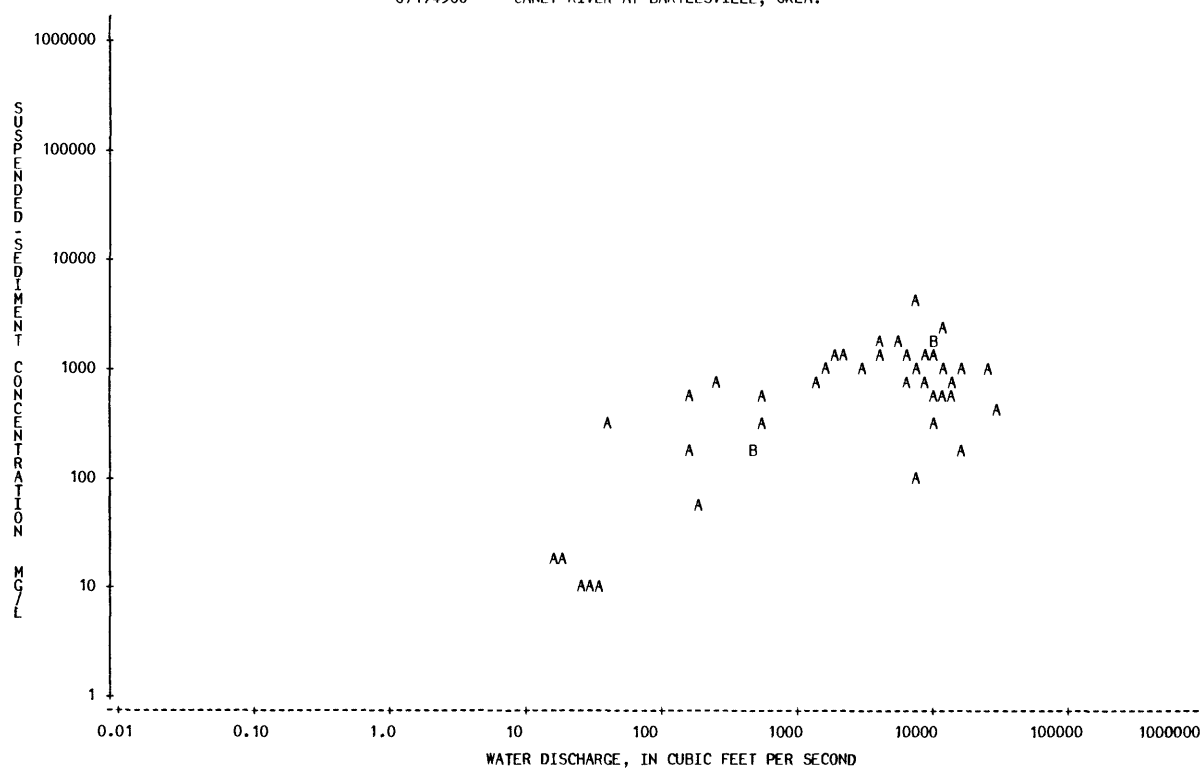
PERIOD OF RECORD.--Water years 1944-45, 1947, 1949-51, 1979-80.

REMARKS.--Flow regulated since February 1950 by Hulah Lake and by numerous floodwater-retarding structures.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-04-09			7270	4400	A 86400
44-04-13			13900	700	A 26300
44-04-15			1350	700	A 2550
44-04-24			10400	1900	A 53400
44-04-28			5290	2000	A 28600
44-05-29			2900	1100	A 8610
44-06-12			503	500	A 679
44-06-26			272	800	A 588
44-08-27			1650	1000	A 4460
44-09-05			2050	1500	A 8300
44-09-08			38	300	A 31
44-09-29			9610	300	A 7780
44-09-30			9630	600	A 15600
44-10-04			12900	600	A 20900
44-10-05			15300	200	A 8260
44-10-07			7290	100	A 1970
44-12-06			11200	1000	A 30200
44-12-07			15800	900	A 38400
45-03-16			8190	1200	A 26500
45-03-26			11900	2200	A 70700
45-04-13			1970	1500	A 7980
45-04-17			25200	1000	A 68000
45-04-19			10900	600	A 17700
45-04-25			6590	1400	A 24900
45-07-03			6420	800	A 13900
45-09-26			10400	1200	A 33700
45-09-30			29700	400	A 32100
47-03-21			161	500	A 217
47-04-07			4230	1500	A 17100
47-07-01			153	200	A 83
49-09-20			7870	1000	A 21200
50-06-03			9110	800	A 19700
51-07-01			10800	1900	A 55400
78-10-26	1205	19		20	A 1.0
78-12-05	1145	25		10	A 0.69
78-12-21		28		10	A 0.76
79-02-15		468		160	A 202
79-03-06		504		330	A 449
79-04-11		3760		1960	A 19900
80-05-15	0955	178		50	A 24
80-05-23	1010	502		180	A 244
80-06-24		1415		10	A 0.92
80-07-17	1045	16		20	A 0.86

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## ARKANSAS RIVER BASIN

07174600 SAND CREEK AT OKESA, OKLA.

LOCATION.--Lat 36°43'10", long 96°07'56", in NW 1/4 NW 1/4 sec.21, T.26 N., R.11 E., Osage County, Hydrologic Unit 11070106, on downstream side of left abutment of county road bridge, 0.5 mi (0.8 km) northeast of Okesa, 9 mi (14 km) southwest of Bartlesville, and at mile 17.2 (27.7 km).

DRAINAGE AREA.--139 mi<sup>2</sup> (360 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1960-78, 1980.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-03-28			36	50	A 4.9	62-11-27			31	20	A 1.7
60-04-26			24	90	A 5.8	62-12-11			6.0	20	A 0.32
60-06-06			12	30	A 0.97	63-01-03			11	10	A 0.30
60-06-20			3.0	130	A 1.1	63-01-14			12	100	A 3.2
60-06-30			1.0	90	A 0.24	63-01-24			7.0	60	A 1.1
60-07-07			1.0	40	A 0.11	63-02-05			5.0	80	A 1.1
60-07-20			1.0	30	A 0.08	63-02-18			4.0	50	A 0.54
60-08-30			8.0	80	A 1.7	63-03-18			25	60	A 4.0
60-11-04			1.0	20	A 0.05	63-04-02			70	80	A 15
60-11-21			1.0	270	A 0.73	63-04-15			8.0	40	A 0.86
60-12-06			22	70	A 4.2	63-05-13			3.0	40	A 0.32
60-12-15			17	130	A 6.0	63-06-10			1.0	30	A 0.08
60-12-27			3.0	90	A 0.73	64-04-13			4.0	70	A 0.76
61-01-12			2.0	110	A 0.59	64-04-29			18	80	A 3.9
61-02-09			1.0	30	A 0.08	64-05-15			26	130	A 9.1
61-02-15			2.0	50	A 0.27	64-06-08			6.0	70	A 1.1
61-02-27			5.0	50	A 0.68	64-06-23			2.0	90	A 0.49
61-03-06			4.0	20	A 0.22	64-07-07			2.0	110	A 0.59
61-03-21			25	40	A 2.7	64-08-17			19	210	A 11
61-04-05			28	100	A 7.6	64-08-28			1780	1280	A 6150
61-06-23			7.0	50	A 0.95	64-09-02			37	110	A 11
61-07-15			2490	1110	A 7460	64-09-16			10.0	40	A 1.1
61-07-27			17	70	A 3.2	64-09-29			5.0	10	A 0.14
61-08-08			4.0	30	A 0.32	64-10-14			2.0	50	A 0.27
61-08-14			6760	900	A 16400	64-11-16			1090	310	A 912
61-08-29			16	30	A 1.3	64-11-17			3700	2050	A 20500
61-09-25			32	20	A 1.7	64-12-09			16	10	A 0.43
61-10-05			21	40	A 2.3	64-12-17			21	50	A 2.8
61-10-16			37	30	A 3.0	64-12-29			13	30	A 1.1
61-10-25			15	10	A 0.40	65-01-11			34	210	A 19
61-11-14			43	20	A 2.3	65-01-26			100	220	A 59
61-11-29			56	20	A 3.0	65-02-10			183	140	A 69
61-12-18			205	60	A 33	65-03-10			14	130	A 4.9
61-12-28			40	70	A 7.6	65-03-26			23	250	A 16
62-01-25			22	70	A 4.2	65-04-09			176	330	A 157
62-02-05			25	30	A 2.0	65-05-17			29	90	A 7.0
62-02-19			33	30	A 2.7	65-06-28			34	170	A 16
62-03-13			12	20	A 0.65	65-09-21			349	160	A 151
62-03-22			72	70	A 14	66-01-27			1.0	10	A 0.03
62-03-28			68	100	A 18	66-03-22			12	40	A 1.3
62-04-12			78	40	A 8.4	66-05-23			25	120	A 8.1
62-04-24			18	10	A 0.49	66-06-07			12	90	A 2.9
62-05-04			20	120	A 6.5	67-07-05			221	100	A 60
62-05-16			4.0	100	A 1.1	67-07-25			2300	1590	A 9870
62-05-29			2.0	100	A 0.54	67-11-07			24	30	A 1.9
62-06-13			28	120	A 9.1	67-12-04			4.0	200	A 2.2
62-06-25			11	100	A 3.0	68-03-11			64	80	A 14
62-07-11			1.0	60	A 0.16	68-03-19			1424	950	A 3650
62-09-15			1570	1700	A 7210	68-03-27			30	50	A 4.0
62-09-27			7.0	100	A 1.9	68-04-03			1980	1300	A 6950
62-10-10			6.0	70	A 1.1	68-04-08			40	130	A 14
62-10-23			3.0	60	A 0.49	68-04-22			117	110	A 35
62-11-05			2.0	20	A 0.11	68-06-04			31	90	A 7.5

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

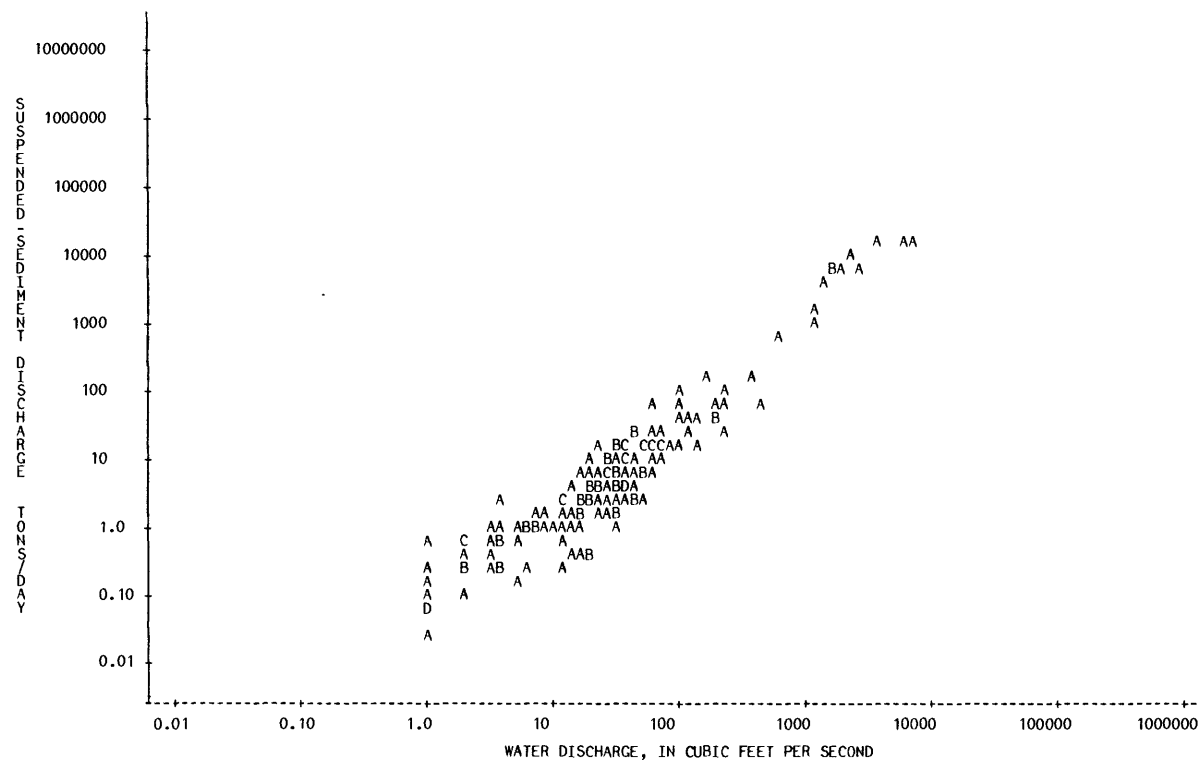
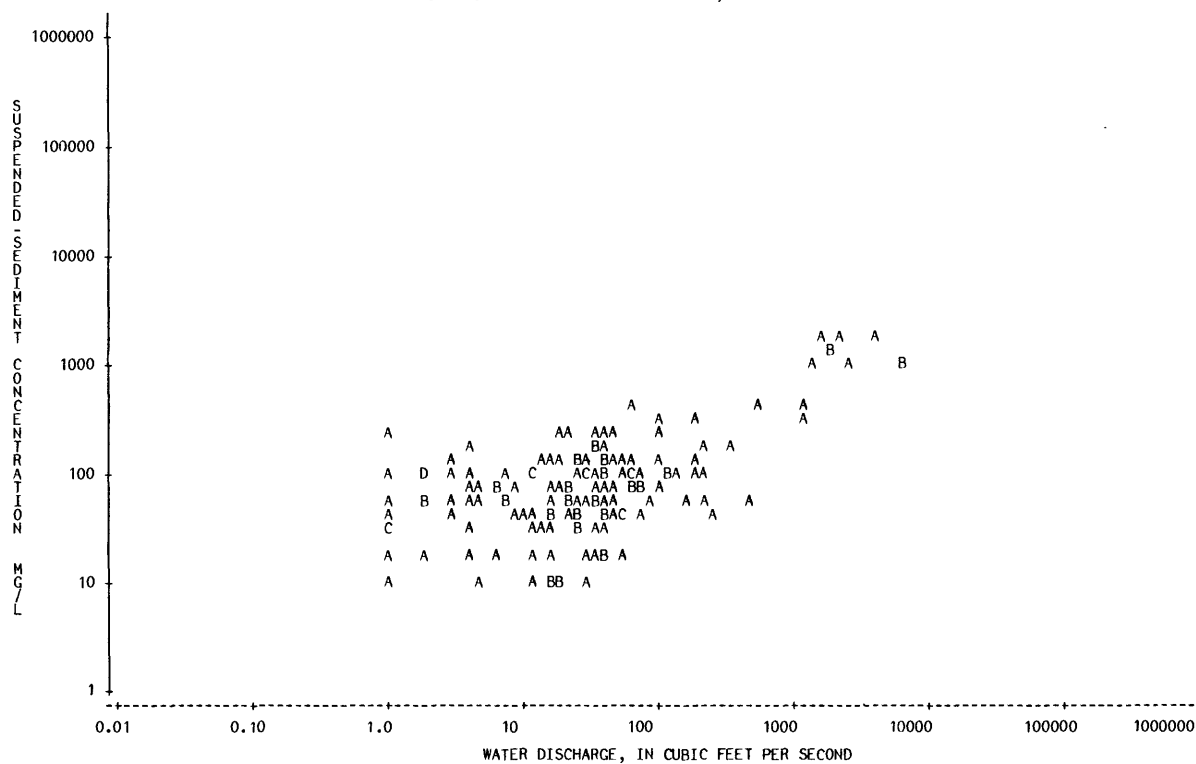
07174600 SAND CREEK AT OKESA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-06-18			38	160	A	16					
68-07-01			579	400	A	625					
68-11-19			51	120	A	17					
69-01-27			16	40	A	1.7					
69-02-24			101	320	A	87					
69-03-10			44	210	A	25					
69-03-24			1130	490	A	1490					
69-04-02			42	240	A	27					
69-04-14			36	190	A	18					
69-04-28			53	40	A	5.7					
69-05-12			21	60	A	3.4					
69-06-23			32	50	A	4.3					
69-12-08			43	20	A	2.3					
70-03-23			97	70	A	18					
70-04-07			65	150	A	26					
70-04-22			66	110	A	20					
70-04-30			6140	890	A	14800					
70-05-06			45	80	A	9.7					
70-05-13			16	50	A	2.2					
70-06-09			39	100	A	11					
71-01-05			64	370	A	64					
71-03-01			38	50	A	5.1					
71-09-28			39	120	A	13					
71-10-26			48	140	A	18					
72-03-15			102	120	A	33					
72-07-19			148	50	A	20					
72-11-15			114	100	A	31					
73-02-20			44	40	A	4.8					
74-05-15			137	110	A	41					
74-09-04			56	100	A	15					
74-09-23			15	40	A	1.6					
74-10-15			17	20	A	0.92					
75-02-26			456	60	A	74					
75-03-18			236	40	A	25					
75-04-07			58	40	A	6.3					
75-04-21			31	10	A	0.84					
75-05-05			64	70	A	12					
75-05-19			53	40	A	5.7					
75-06-03			89	60	A	14					
75-06-16			24	40	A	2.6					
75-06-30			18	10	A	0.49					
76-04-26			32	80	A	6.9					
77-06-01			200	90	A	49					
77-08-30			37	40	A	4.0					
77-11-16	1215		44	60	A	7.1					
78-04-07	1215		231	170	A	106					
78-05-12	1435		59	100	A	16					
80-05-01	1020		70	110	A	21					
80-05-23	1215		32	110	A	9.5					
80-06-24	1155		39	40	A	4.2					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07174600 SAND CREEK AT OKESA, OKLA.



## ARKANSAS RIVER BASIN

07175500 CANEY RIVER NEAR RAMONA, OKLA.

LOCATION.--Lat 36°30'31", long 95°50'36", in NE 1/4 NW 1/4 sec.5, T.23 N., R.14 E., Washington County, Hydrologic Unit 11070106, near left bank on downstream side of pier of county road bridge, 1 mi (1.6 km) upstream from Buck Creek, 2.2 mi (3.5 km) downstream from Double Creek, 4.5 mi (7.2 km) southeast of Ramona, and at mile 32.0 (51.5 km).

DRAINAGE AREA.--1,955 mi<sup>2</sup> (5,063 km<sup>2</sup>).

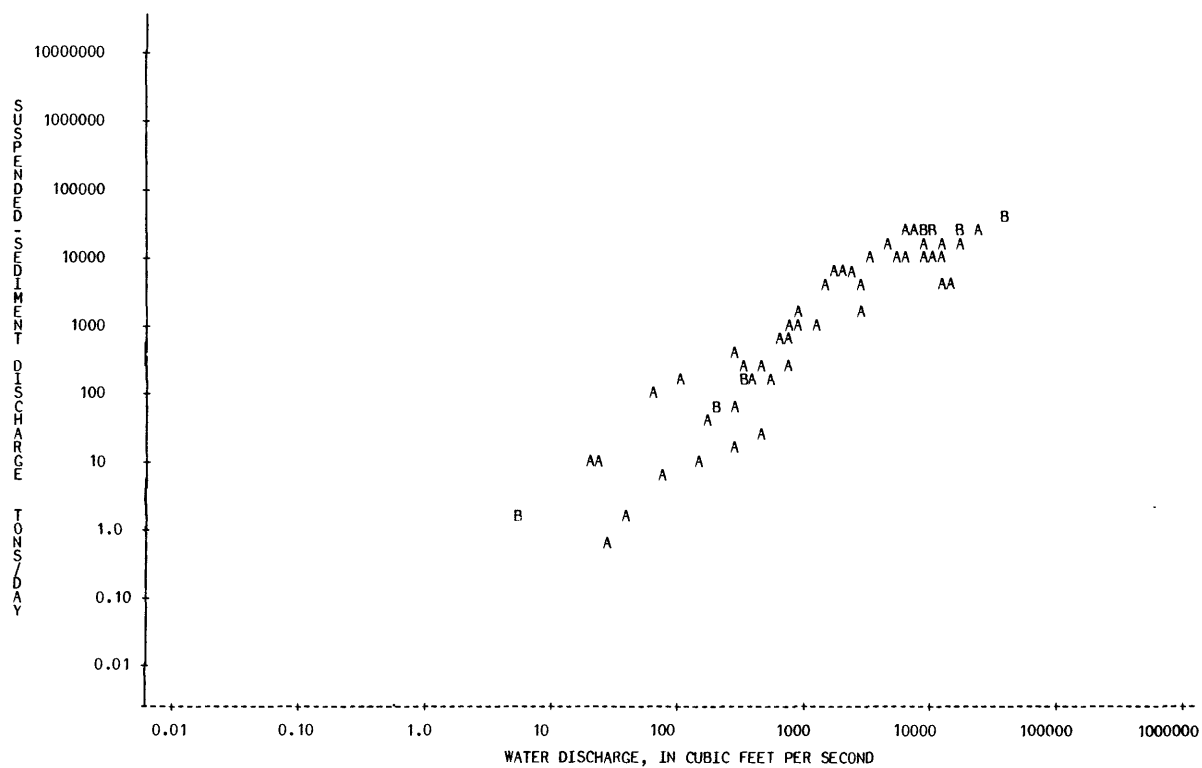
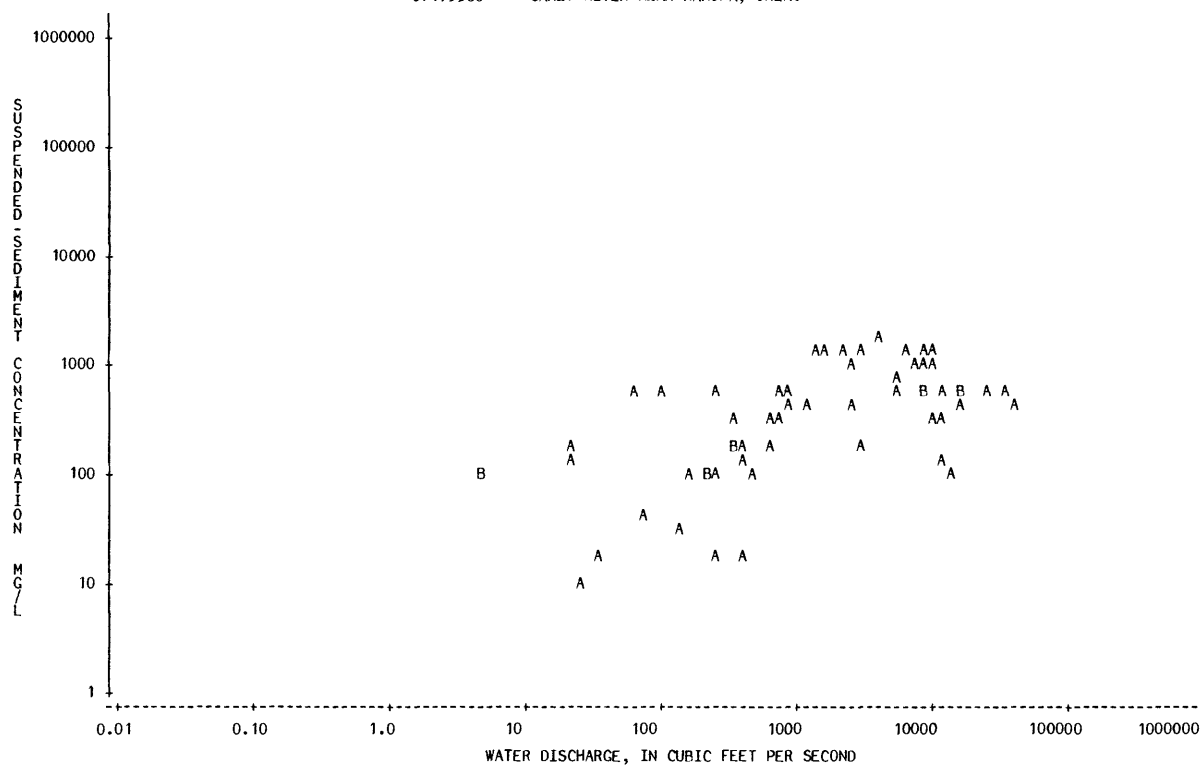
PERIOD OF RECORD.--Water years 1944-48, 1950, 1957, 1968, 1979-80.

REMARKS.--Some flow regulation since February 1950 by Hulah Lake, and by numerous floodwater-retarding structures. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-10-01			8560	500	A 11600	79-11-23	1150	11400	620		19100
44-10-02			4080	1800	A 19800	79-12-10	1445	11800	140	A	4460
45-09-26			9730	1200	A 31500	80-01-03	1200	73	40	A	7.9
45-10-02			36800	500	A 49700	80-01-28	1030	105	650	A	184
45-10-03			37000	400	A 40000	80-05-15	1225	399	120	A	129
45-10-06			12200	300	A 9880	80-08-11	1445	21	150	A	8.5
45-10-11			754	300	A 611						
46-01-22			652	300	A 528						
46-02-07			263	500	A 355						
46-02-20			6500	1300	A 22800						
46-02-26			756	500	A 1020						
46-03-08			2340	900	A 5690						
46-03-18			3150	1400	A 11900						
46-04-03			482	100	A 130						
46-04-15			256	100	A 69						
46-04-23			415	200	A 224						
46-04-29			1530	1400	A 5780						
46-05-22			202	100	A 55						
46-11-06			2080	1400	A 7860						
46-11-21			63	500	A 85						
47-03-14			322	300	A 261						
47-04-16			10700	900	A 26000						
47-04-17			17100	500	A 23100						
47-04-18			16600	400	A 17900						
47-04-19			10300	300	A 8340						
47-04-20			2910	200	A 1570						
47-04-21			1180	400	A 1270						
47-04-22			911	400	A 984						
47-05-14			801	600	A 1300						
47-05-18			8940	1000	A 24100						
47-06-12			319	200	A 172						
47-06-30			318	200	A 172						
47-07-24			23	200	A 12						
47-11-25			5.0	100	A 1.4						
48-01-22			5.0	100	A 1.4						
48-03-05			156	100	A 42						
48-03-25			1450	1300	A 5090						
48-04-28			5320	600	A 8620						
48-05-03			203	100	A 55						
48-05-12			7820	1000	A 21100						
48-06-27			16300	500	A 22000						
48-07-01			5720	700	A 10800						
48-07-13			8310	600	A 13500						
48-07-20			13500	100	A 3650						
50-06-03			8240	1300	A 28900						
57-04-04			2580	480	A 3340						
68-03-22			23400	510	A 32200						
78-10-26			251	20	A 14						
78-11-20			36	20	A 1.9						
78-12-21			26	10	A 0.70						
79-02-13			145	30	A 12						
79-03-08			419	20	A 23						
79-04-02			680	170	A 312						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07175500 CANEY RIVER NEAR RAMONA, OKLA.



## ARKANSAS RIVER BASIN

07176500 BIRD CREEK AT AVANT, OKLA.

LOCATION.--Lat 36°29'11", long 96°03'45", in NW 1/4 sec.7, T.23 N., R.12 E., Osage County, Hydrologic Unit 11070107, near left bank on downstream side of pier of county road bridge at Avant, 1.5 mi (2.4 km) upstream from Candy Creek, and at mile 54.2 (87.2 km).

DRAINAGE AREA.--364 mi<sup>2</sup> (943 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1945-76, 1978-80.

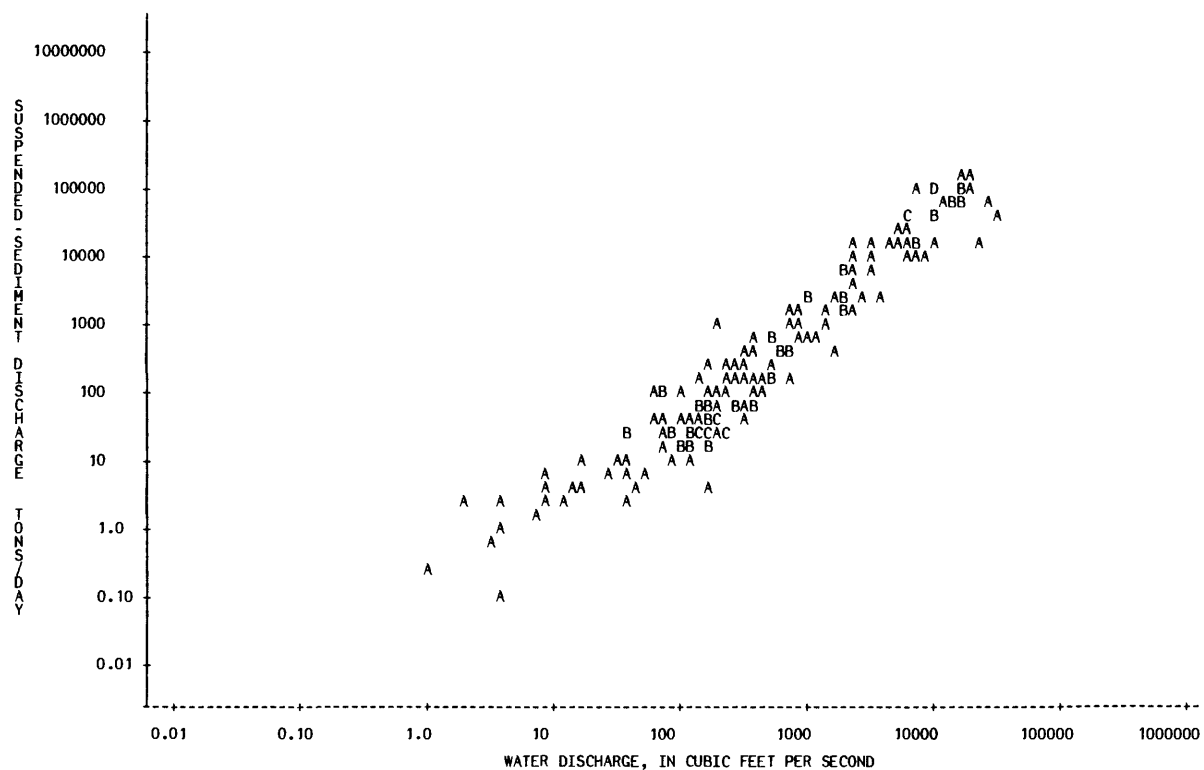
REMARKS.--Small diversions above station for municipal water supply of cities of Pawhuska and Barnsdall. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-09-17			1.0	100	A 0.27	57-04-22			702	750	A 1420
45-09-24			10200	700	A 19300	57-05-02			852	450	A 1040
45-09-25			2360	2200	A 14000	57-05-06			121	110	A 36
45-10-16			36	100	A 9.7	57-05-16			17100	4200	A 194000
45-10-29			16	200	A 8.6	57-05-25			9290	1720	A 43100
45-11-26			7.0	100	A 1.9	57-06-13			5300	1220	A 17500
45-12-28			9.0	300	A 7.3	57-06-18	0001		14100	2100	A 79900
46-01-03			9.0	200	A 4.9	57-06-18	0002		15600	1700	A 71600
46-01-16			97	400	A 105	57-06-18	0003		16100	2200	A 95600
46-01-30			35	300	A 28	58-03-14			829	260	A 582
46-02-15			2.0	400	A 2.2	58-03-19			1280	200	A 691
46-02-27			73	500	A 99	59-03-26			194	200	A 105
46-03-13			490	100	A 132	59-05-11			273	440	A 324
46-04-05			38	300	A 31	59-05-13			70	150	A 28
46-04-16			31	100	A 8.4	59-05-18			6450	1740	A 30300
46-04-25			26	100	A 7.0	59-06-05			35	70	A 6.6
46-05-10			562	400	A 607	59-07-09			996	920	A 2470
46-06-14			3.0	100	A 0.81	59-07-30			84	130	A 29
46-11-26			12	100	A 3.2	59-10-02			22900	250	A 15500
46-12-18			9.0	100	A 2.4	59-10-05			1790	400	A 1930
47-03-21			13	100	A 3.5	59-10-14			755	160	A 326
47-04-18			152	600	A 246	59-11-06			79	50	A 11
47-05-02			145	500	A 196	60-01-04			154	10	A 4.2
47-05-17			873	600	A 1410	60-03-11			1440	250	A 972
47-06-04			62	200	A 33	60-03-14			373	130	A 131
47-07-03			72	100	A 19	60-04-14			2260	620	A 3780
48-06-22			6440	2900	A 50400	61-03-28			398	730	A 784
48-07-15			9750	1900	A 50000	61-05-05			5210	1580	A 22200
48-07-16			3180	2100	A 18000	61-05-08			19100	3430	A 177000
49-05-24			2060	500	A 2780	61-05-18			161	40	A 17
49-06-14			268	200	A 145	61-06-08			742	590	A 1180
49-07-12			4.0	200	A 2.2	61-07-15			11800	2160	A 68800
50-05-11			1500	400	A 1620	61-07-26			93	150	A 38
50-05-26			9560	3400	A 87800	61-11-16			2340	860	A 5430
50-07-10			9470	4900	A 125000	62-09-15			14200	1460	A 56000
51-05-01			9860	3200	A 85200	63-04-03			100	70	A 19
51-11-14			208	100	A 56	64-05-11			400	90	A 97
51-11-28			156	200	A 84	65-01-27			73	450	A 89
52-02-26			704	200	A 380	65-04-08			1840	310	A 1540
52-04-21			2170	300	A 1760	65-05-14			1890	550	A 2810
52-04-23			1780	100	A 481	65-05-21			213	460	A 265
53-04-06			516	400	A 557	65-09-21			6410	1150	A 19900
53-05-12			10300	3200	A 89000	66-06-07			154	160	A 67
53-06-08			119	100	A 32	67-06-26			334	230	A 207
54-05-02			6290	2640	A 44800	67-07-05			4200	1270	A 14400
55-05-10			1080	810	A 2360	67-07-18			166	120	A 54
55-05-20			6430	2340	A 40600	67-07-25			7720	810	A 16900
55-10-06			316	520	A 444	68-03-19			17400	1440	A 67700
57-04-01			2020	1130	A 6160	68-04-23			6705	780	A 14100
57-04-02			200	1590	A 859	68-06-03			199	90	A 48
57-04-06			63	540	A 92	68-12-05			131	60	A 21
57-04-19			2340	1540	A 9730	69-01-31			310	60	A 50
57-04-20			7310	4520	A 89200	69-03-13			70	180	A 34

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-04-02			157	70	A 30						
69-04-09			120	60	A 19						
69-04-22			182	90	A 44						
69-06-03			215	210	A 122						
69-06-17			138	160	A 60						
69-06-25			1820	1440	A 7080						
69-06-27			18900	2170	A 111000						
69-06-30			283	70	A 53						
69-09-16			3180	1450	A 12400						
70-03-31			684	80	A 148						
70-04-29			129	60	A 21						
70-04-30			17600	1800	A 85500						
70-05-01			1580	510	A 2180						
70-06-03			3830	300	A 3100						
71-06-15			234	250	A 158						
71-07-23			404	390	A 425						
71-09-08			129	220	A 77						
71-11-02			53	50	A 7.2						
71-12-23			4.0	80	A 0.86						
72-12-20			200	70	A 38						
73-01-23			655	270	A 477						
73-02-07			249	90	A 61						
73-02-23			107	60	A 17						
73-04-02			546	170	A 251						
73-05-04			230	40	A 25						
73-05-07			3130	950	A 8030						
73-05-15			117	70	A 22						
73-06-19			6750	510	A 9290						
73-09-04			17	80	A 3.7						
73-10-18			89	130	A 31						
73-11-26			932	220	A 554						
73-12-26			334	80	A 72						
74-03-11			28100	980	A 74400						
74-03-11	0001		31600	570	A 48600						
74-04-22			196	40	A 21						
74-05-07			119	60	A 19						
74-05-28			635	210	A 360						
74-08-28			160	50	A 22						
74-09-20			8040	580	A 12600						
74-10-29			2830	400	A 3060						
74-11-12			433	80	A 94						
74-12-11			5900	580	A 9240						
74-12-16			247	40	A 27						
75-01-06			347	80	A 75						
75-02-11			173	40	A 19						
75-02-26			460	120	A 149						
75-03-17			375	60	A 61						
75-04-07			173	60	A 28						
75-04-21			123	30	A 10						
75-05-05			151	120	A 49						
75-05-19			136	70	A 26						
75-06-03			158	80	A 34						
75-06-16			175	80	A 38						
75-06-30			46	30	A 3.7						
76-03-09			494	110	A 147						
78-04-26	1324		39	20	A 2.1						
78-05-15	1400		315	160	A 136						
78-10-24	1400		4.0	10	A 0.11						
80-08-18	1500		218	40	A 24						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07177000 HOMINY CREEK NEAR SKIATOOK, OKLA.

LOCATION.--Lat 36°20'55", long 96°06'35", in SW 1/4 SE 1/4 sec.27, T.22 N., R.11 E., Osage County, Hydrologic Unit 11070107, near left bank on downstream side of pier of bridge on State Highway 20, 1.0 mi (1.6 km) upstream from Tall Chief Creek, 6.0 mi (9.7 km) west of Skiatook, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--340 mi<sup>2</sup> (881 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-55, 1957-71, 1978, 1980.

REMARKS.--Suspended-sediment particle-size data available.

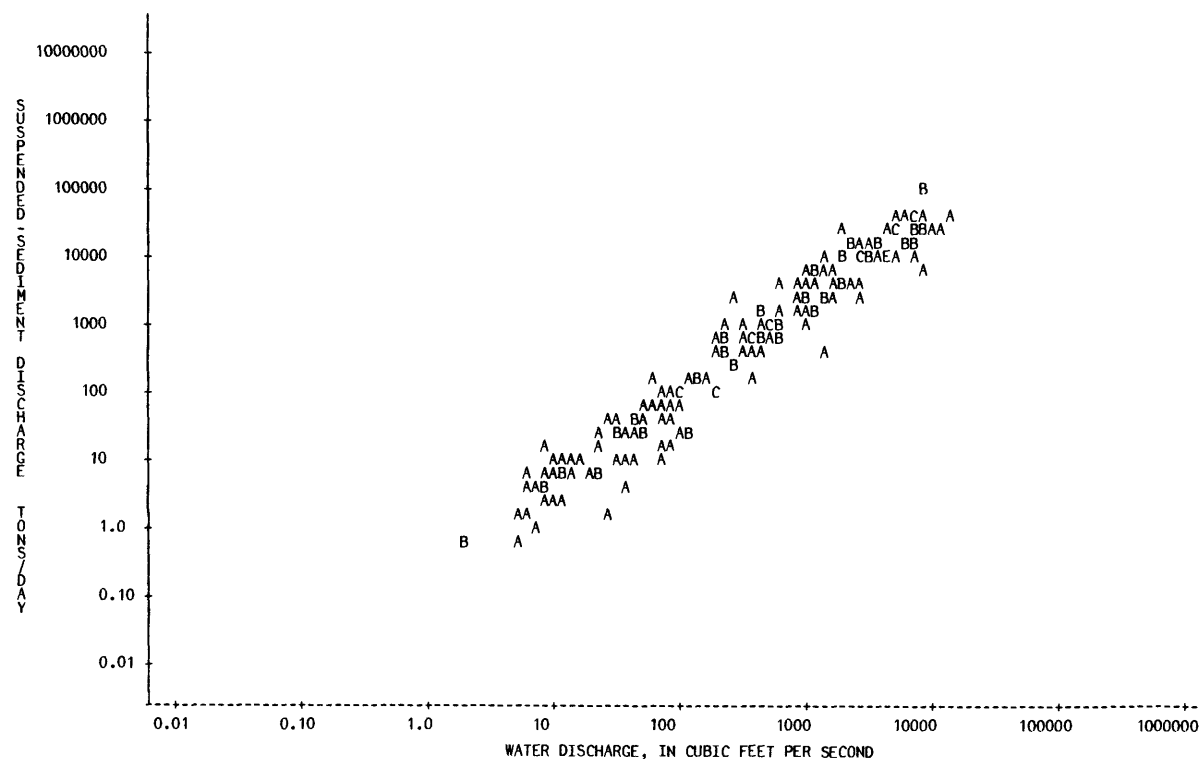
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-03-22			1050	900	A 2550	46-01-14			104	300	A 84
44-04-10			1240	1600	A 5360	46-01-28			24	100	A 6.5
44-04-21			219	600	A 355	46-02-15			402	300	A 326
44-05-22			244	1300	A 856	46-02-20			374	800	A 808
44-05-27			2080	1500	A 8420	46-02-26			53	500	A 72
44-06-01			94	400	A 102	46-03-13			46	400	A 50
44-06-09			1130	1700	A 5190	46-05-24			20	100	A 5.4
44-08-07			564	600	A 914	46-08-29			2.0	100	A 0.54
44-08-12			8.0	100	A 2.2	46-10-31			5.0	100	A 1.4
44-09-05			1320	100	A 356	46-11-13			26	600	A 42
44-09-14			6.0	300	A 4.9	46-11-26			9.0	800	A 19
44-10-04			1330	700	A 2510	46-12-17			10.0	100	A 2.7
44-10-11			16	200	A 8.6	47-03-19			11	100	A 3.0
44-11-04			11	200	A 5.9	47-04-18			109	600	A 177
44-11-11			22	300	A 18	47-04-25			4890	2500	A 33000
44-11-21			8.0	200	A 4.3	47-05-02			144	500	A 194
44-11-29			7.0	200	A 3.8	47-05-17			2530	600	A 4100
44-12-05			7890	3900	A 83100	47-06-03			74	400	A 80
44-12-13			32	400	A 35	47-07-01			32	300	A 26
44-12-19			22	400	A 24	48-03-25			82	400	A 89
44-12-30			14	200	A 7.6	48-04-27			236	800	A 510
45-01-08			12	200	A 6.5	48-05-10			1380	2400	A 8940
45-01-15			9.0	300	A 7.3	49-02-18			194	200	A 105
45-01-22			15	300	A 12	49-05-26			1540	1700	A 7070
45-02-02			12	300	A 9.7	49-06-14			361	200	A 195
45-02-08			10.0	300	A 8.1	49-07-11			316	1000	A 853
45-02-15			8.0	200	A 4.3	50-05-11			4730	700	A 8940
45-02-26			48	300	A 39	50-05-15			407	1200	A 1320
45-03-01			395	500	A 533	50-07-11			8200	1200	A 26600
45-03-02			1010	600	A 1640	50-08-01			3330	2200	A 19800
45-03-03			593	600	A 961	51-07-14			4440	1000	A 12000
45-03-04			169	400	A 183	51-10-29			517	600	A 838
45-03-15			8600	4700	A 109000	51-11-14			186	200	A 100
45-03-16			1400	1500	A 5670	51-11-26			441	300	A 357
45-03-24			67	500	A 90	52-02-26			1100	500	A 1490
45-03-31			77	200	A 42	52-03-10			2900	2200	A 17200
45-04-09			32	300	A 26	52-04-21			3100	1400	A 11700
45-04-24			632	500	A 853	53-04-06			647	1000	A 1750
45-04-28			114	100	A 31	53-04-27			51	200	A 28
45-05-15			54	200	A 29	53-05-14			228	900	A 554
45-06-20			24	100	A 6.5	53-07-09			1190	1100	A 3530
45-06-27			40	300	A 32	54-05-02			5720	2930	A 45300
45-07-02	0001		2810	1200	A 9100	55-05-10			966	3040	A 7930
45-07-02	0002		1570	1100	A 4660	55-05-21			3280	1050	A 9300
45-07-03			188	700	A 355	55-05-22			549	370	A 548
45-08-18			33	100	A 8.9	57-04-01			610	2420	A 3990
45-08-28			2.0	100	A 0.54	57-04-02			288	3020	A 2350
45-09-25			7000	2600	A 49100	57-04-19			4220	2470	A 28100
45-10-03			196	1100	A 582	57-04-20			2440	2090	A 13800
45-10-10			40	100	A 11	57-04-22			3700	1000	A 9990
45-11-19			6.0	500	A 8.1	57-05-02			1030	930	A 2590
45-12-27			6.0	100	A 1.6	57-05-06			84	350	A 79
46-01-05			4830	1700	A 22200	57-05-16			1910	4370	A 22500

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-05-17			8590	2200	A	51000					
57-05-22			5090	1740	A	23900					
57-06-12			8410	1090	A	24800					
58-03-19			1760	530	A	2520					
58-03-26			260	360	A	253					
59-03-26			414	530	A	592					
59-05-11			406	490	A	537					
59-05-13			87	180	A	42					
59-05-18			3510	1600	A	15200					
59-05-27			2390	580	A	3740					
59-06-05			43	440	A	51					
59-07-09			427	670	A	772					
59-07-30			93	100	A	25					
59-11-06			73	60	A	12					
60-05-06			7300	2470	A	48700					
61-08-14			7020	1480	A	28100					
61-09-15			2600	440	A	3090					
61-11-16			4370	840	A	9910					
62-03-28			412	1260	A	1400					
62-05-05			5420	1840	A	26900					
62-05-08			7470	2340	A	47200					
62-06-08			2820	1130	A	8600					
62-07-15			13000	1220	A	42800					
62-07-17			2080	2290	A	12900					
63-04-03			74	90	A	18					
64-05-11			1290	840	A	2930					
64-11-17			559	600	A	906					
65-01-27			58	330	A	52					
65-04-08			141	480	A	183					
65-04-20			46	180	A	22					
65-05-14			588	390	A	619					
65-05-21			97	440	A	115					
65-09-21			7680	1430	A	29700					
66-05-17			437	800	A	944					
66-08-16			57	940	A	145					
66-09-03			4810	890	A	11600					
66-09-04			7500	840	A	17000					
67-04-13			2470	2290	A	15300					
67-06-12			100	230	A	62					
67-06-26			1060	1390	A	3980					
67-07-17			952	400	A	1030					
67-07-25			4194	800	A	9060					
68-03-19			7680	690	A	14300					
68-04-04			5790	960	A	15000					
68-04-23			2600	1310	A	9200					
68-05-08			113	90	A	27					
68-11-15			1800	740	A	3600					
69-01-31			209	190	A	107					
69-03-24			7290	420	A	8270					
69-04-22			92	80	A	20					
69-06-02			842	1720	A	3910					
69-06-17			326	470	A	414					
69-06-26			264	390	A	278					
69-06-28			4360	970	A	11400					
69-09-16			3460	2040	A	19100					
69-09-17			789	1010	A	2150					
69-10-13			6340	910	A	15600					
70-03-31			1260	410	A	1390					
70-04-29			41	80	A	8.9					
70-04-30			10500	970	A	27500					
70-05-01			11000	690	A	20500					
70-06-03			2080	680	A	3820					
71-02-25			586	340	A	538					
71-05-27			850	760	A	1740					
71-07-23			221	980	A	585					
71-09-07			8710	320	A	7530					
71-09-08			310	650	A	544					
77-11-29	1410		7.0	60	A	1.1					
78-04-26	1040		28	20	A	1.5					
78-05-15	1215		36	50	A	4.9					
80-07-11	1505		4.9	40	A	0.53					
80-08-15	1100		10.0	410	A	11					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## ARKANSAS RIVER BASIN

07178620 VERDIGRIS RIVER NEAR INOLA, OKLA.

LOCATION.--Lat 36°09'43", long 95°37'07", in NW 1/4 NW 1/4 sec.4, T.9 N., R.16 E., Rogers County, Hydrologic Unit 11070105, at bridge on State Highway 33, 6.0 mi (9.6 km) west of Inola, and at navigation channel mile 36.6 (58.9 km).

DRAINAGE AREA.--7,911 mi<sup>2</sup> (20,489 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-70, 1974-76.

REMARKS.--Prior to January 1977, sampling site was 9.9 mi (15.8 km) downstream in same pool, at Newt Graham Lock and Dam. Flow regulated since May 1963 by Oologah Lake, since 1949 by several lakes in Kansas, since February 1950 by Hulah Lake, and by numerous floodwater-retarding structures. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-30			4300	1000	A 11600	44-07-15			2220	400	A 2400
40-05-01			2070	500	A 2790	44-07-31			1820	100	A 491
40-06-24			173	300	A 140	44-08-22			105	100	A 28
40-06-28			1640	1100	A 4870	44-08-29			4170	1100	A 12400
40-06-29			3970	1400	A 15000	44-09-12			678	300	A 549
40-08-18			1340	700	A 2530	44-09-19			109	200	A 59
40-09-05			3230	500	A 4360	44-09-25			1140	100	A 308
40-09-25			448	500	A 605	44-09-27			63	200	A 34
40-11-26			9840	900	A 23900	44-10-01			29400	1200	A 95300
40-11-27			9500	600	A 15400	44-10-06			34600	800	A 74700
41-01-07			4360	1000	A 11800	44-10-10			26100	200	A 14100
41-01-21			28600	1900	A 147000	44-10-12			6340	100	A 1710
41-01-23			21000	800	A 45400	44-10-18			6350	100	A 1710
41-01-27			15200	1000	A 41000	44-10-21			621	200	A 335
41-01-31			12500	200	A 6750	44-10-30			353	200	A 191
41-02-10			3140	200	A 1700	44-11-08			825	400	A 891
41-02-26			2500	100	A 675	44-11-13			2850	100	A 770
41-04-19			42300	1200	A 137000	44-11-18			695	200	A 375
41-04-20			157000	700	A 297000	44-11-24			2770	100	A 748
41-04-21			136000	800	A 294000	44-11-28			660	100	A 178
41-04-24			4230	500	A 5710	44-12-08			30900	1400	A 117000
41-05-21			2850	100	A 770	44-12-13			6130	700	A 11600
41-06-03			23700	300	A 19200	44-12-18			3070	200	A 1660
41-06-05			18300	100	A 4940	44-12-19			11000	400	A 11900
41-06-06			6130	100	A 1660	44-12-30			1480	200	A 799
41-06-11			77200	100	A 20800	45-01-09			1390	100	A 375
41-06-18			19900	300	A 16100	45-01-20			836	100	A 226
41-07-02			2140	300	A 1730	45-02-05			3150	100	A 851
41-08-06			2120	300	A 1720	45-02-23			4820	100	A 1300
41-09-03			12100	400	A 13100	45-03-05			5250	300	A 4250
41-09-05			15000	200	A 8100	45-03-17			35800	1700	A 164000
41-10-08			104000	300	A 84200	45-03-21			49200	300	A 39900
41-10-13			17800	600	A 28800	45-03-23			22900	1500	A 92700
41-10-30			75000	1200	A 243000	45-03-30			31900	1900	A 164000
42-04-28			35300	400	A 38100	45-04-03			27100	100	A 7320
42-06-15			16400	1100	A 48700	45-04-12			7720	100	A 2080
43-01-01			12500	500	A 16900	45-04-18			10600	300	A 8590
43-01-02			7400	500	A 9990	45-04-19			56800	400	A 61300
43-05-12			96300	600	A 156000	45-04-23			66300	300	A 53700
43-05-22			195400	800	A 422000	45-05-02			22000	700	A 41600
43-05-23			171300	600	A 278000	45-05-03			39100	300	A 31700
43-05-24			143600	500	A 194000	45-05-10			21400	700	A 40400
43-07-07			7760	300	A 6290	45-05-16			9170	300	A 7430
43-10-28			5600	100	A 1510	45-05-17			2780	400	A 3000
44-03-17			17400	300	A 14100	45-05-30			2670	1600	A 11500
44-04-14			79700	1300	A 280000	45-06-06			7060	100	A 1910
44-04-18			56500	700	A 107000	45-06-12			22100	100	A 5970
44-05-05			41100	900	A 99900	45-06-19			11700	2800	A 88500
44-05-18			6850	400	A 7400	45-06-20			37100	100	A 10000
44-06-06			6460	400	A 6980	45-06-28			1470	300	A 1190
44-06-15			13100	600	A 21200	45-08-06			6630	100	A 1790
44-06-19			1690	100	A 456	45-08-17			6210	100	A 1680
44-06-28			790	100	A 213	45-08-27			5660	100	A 1530

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

## ARKANSAS RIVER BASIN

07178620 VERDIGRIS RIVER NEAR INOLA, OKLA.--CONTINUED

239

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-09-27			33900	800	A 73200	52-04-14			4610	100	A 1240
45-10-02			51600	200	A 27900	52-04-22			16200	600	A 26200
45-10-05			74600	400	A 80600	52-04-25			16500	800	A 35600
45-10-11			13500	400	A 14600	52-05-02			2980	200	A 1610
45-10-30			870	300	A 705	52-05-26			3350	900	A 8140
45-10-31			838	200	A 453	53-04-06			8620	1400	A 32600
46-01-02			377	300	A 305	53-04-08			2640	600	A 4280
46-01-07			31900	1200	A 103000	53-04-20			2910	600	A 4710
46-01-14			14600	900	A 35500	53-05-14			20400	1100	A 60600
46-01-28			1630	700	A 3080	53-05-20			10100	900	A 24500
46-02-14			4030	1700	A 18500	54-05-01			20000	2690	A 145000
46-02-26			3470	600	A 5620	54-05-03			36300	1750	A 172000
46-03-15			3920	600	A 6350	54-05-05			36600	1170	A 116000
46-03-20			12000	800	A 25900	54-05-07			14900	640	A 25700
46-04-01			3320	600	A 5380	54-05-12			3130	300	A 2540
46-04-12			1150	200	A 621	54-06-17			803	10	A 22
46-04-26			11300	1600	A 48800	54-10-14			7650	1280	A 26400
46-05-09			1640	400	A 1770	55-03-22			9700	1580	A 41400
46-05-16			10300	300	A 8340	55-05-11			4130	1000	A 11200
46-06-25			130	100	A 35	55-05-13			12110	1500	A 49000
46-07-10			141	200	A 76	55-05-22			16400	1640	A 72600
46-11-07			13300	1100	A 39500	55-05-23			12700	510	A 17500
47-04-08			33500	300	A 27100	55-05-24			3720	540	A 5420
47-04-09			26300	2000	A 142000	55-05-26			5540	620	A 9270
47-04-21			44100	300	A 35700	55-05-29			28000	1730	A 131000
47-04-23			21700	300	A 17600	55-05-31			20800	690	A 38800
47-04-24			14200	1800	A 69000	55-06-07			2530	260	A 1780
47-05-01			22400	300	A 18100	55-06-29			9230	1730	A 43100
47-05-21			14000	200	A 7560	55-10-04			12300	1890	A 62800
48-03-24			18000	2200	A 107000	55-10-06			13000	1100	A 38600
48-04-29			15900	1000	A 42900	55-10-07			8830	610	A 14500
48-05-13			14700	1400	A 55600	56-05-15			4820	980	A 12800
48-05-24			8770	900	A 21300	56-06-04			5050	450	A 6140
48-06-24			57400	400	A 62000	56-06-26			1100	230	A 683
48-06-25			36700	500	A 49500	57-03-26			1290	140	A 488
48-06-26			44800	300	A 36300	57-04-01			5740	1200	A 18600
48-06-28			72400	300	A 58600	57-04-05			10600	1170	A 33500
48-07-07			2460	400	A 2660	57-04-06			4830	750	A 9780
48-08-16			30200	400	A 32600	57-04-09			3630	470	A 4610
48-08-18			16300	200	A 8800	57-04-19			7720	1110	A 23100
48-08-20			10200	200	A 5510	57-04-20			19600	1640	A 86800
48-11-04			13300	1400	A 50300	57-04-22			29600	1250	A 99900
48-11-05			5370	700	A 10100	57-04-24			29100	620	A 48700
49-02-23			7610	500	A 10300	57-04-25			24000	510	A 33000
49-03-22			4020	200	A 2170	57-04-29			5950	780	A 12500
49-04-18			3120	300	A 2530	57-05-04			17300	620	A 29000
49-05-02			10400	1000	A 28100	57-05-08			5240	320	A 4530
49-05-23			36800	500	A 49700	57-05-17			30100	1150	A 93500
49-06-09			13900	1000	A 37500	57-05-23			51100	440	A 60700
49-06-22			7570	600	A 12300	57-05-24			55400	470	A 70300
49-07-15			14100	800	A 30500	57-05-27			60100	300	A 48700
49-07-18			9170	1000	A 24800	57-05-31			38900	550	A 57800
49-08-16			920	200	A 497	57-06-05			45900	530	A 65700
50-05-12			32400	600	A 52500	57-06-11			29600	1040	A 83100
50-05-15			6450	2000	A 34800	57-06-14			43200	270	A 31500
50-06-07			19900	900	A 48400	57-06-16			82200	240	A 53300
50-07-13			10500	700	A 19800	57-06-17			73900	150	A 29900
50-07-24			32300	200	A 17400	57-06-19			55400	380	A 56800
50-08-09			17000	1300	A 59700	57-06-21			44600	440	A 53000
51-02-19			5100	1000	A 13800	57-06-24			37600	1970	A 200000
51-03-01			2800	100	A 756	57-06-26			41800	490	A 55300
51-05-07			12600	600	A 20400	57-07-02			22300	490	A 29500
51-05-25			19800	1400	A 74800	57-07-10			9000	270	A 6560
51-06-22			20000	1800	A 97200	57-07-12			8660	390	A 9120
51-06-25			24100	800	A 52100	57-07-16			2270	310	A 1900
51-07-06			44500	200	A 24000	57-09-17			1200	240	A 778
51-07-09			60000	100	A 16200	57-11-20			1730	90	A 420
51-07-11			50200	100	A 13600	58-03-10			24400	1430	A 94200
51-07-15			38600	700	A 73000	58-03-11			23800	1540	A 99000
51-07-17			39800	400	A 43000	58-03-25			30800	1100	A 91500
51-08-02			10100	400	A 10900	58-03-27			30800	920	A 76500
51-08-16			2400	300	A 1940	58-04-01			24500	560	A 37000
51-08-30			6790	1000	A 18300	58-04-10			9080	360	A 8830
51-09-12			17400	1000	A 47000	58-04-22			7680	1500	A 31100
51-09-28			5040	800	A 10900	58-05-07			20100	1160	A 63000
51-10-25			4410	600	A 7140	58-06-24			2340	360	A 2270
51-11-14			29700	600	A 48100	58-07-07			12100	1840	A 60100
51-11-26			11600	500	A 15700	58-07-08			17900	1270	A 61400
51-12-06			2460	100	A 664	58-07-16			7200	810	A 15700
51-12-20			2510	200	A 1360	58-07-22			11900	740	A 23800
52-01-10			4550	100	A 1230	58-09-09			1880	80	A 406
52-02-04			5910	500	A 7980	58-09-23			2920	510	A 4020
52-02-18			1460	100	A 394	59-02-12			3310	920	A 8220
52-02-26			8380	600	A 13600	59-03-06			5060	620	A 8470
52-03-03			9400	300	A 7610	59-03-27			6020	1070	A 17400
52-03-04			13900	600	A 22500	59-04-03			4210	500	A 5680
52-03-13			31500	1200	A 102000	59-04-13			6400	970	A 16800
52-03-17			11400	300	A 9230	59-04-21			2730	450	A 3320

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

## ARKANSAS RIVER BASIN

07178620 VERDIGRIS RIVER NEAR INOLA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-05-12			5780	740	A 11500	61-11-18			29700	500	A 40100
59-05-20			22200	1440	A 86300	61-11-30			12200	160	A 5270
59-05-21			20500	1580	A 87500	61-12-29			3270	130	A 1150
59-05-28			16200	650	A 28400	62-01-12			1960	110	A 582
59-06-03			3840	540	A 5600	62-01-30			14300	860	A 33200
59-07-20			38500	400	A 41600	62-02-07			8340	300	A 6760
59-07-22			40800	390	A 43000	62-02-21			3430	100	A 926
59-07-24			43200	360	A 42000	62-03-05			1920	70	A 363
59-07-25			43600	220	A 25900	62-03-26			20300	810	A 44400
59-07-27			41600	180	A 20200	62-05-02			5070	490	A 6710
59-07-29			21000	250	A 14200	62-06-04			3730	830	A 8360
59-08-04			7920	290	A 6200	62-06-11			12700	1200	A 41100
59-10-05			100000	220	A 59400	62-06-18			2370	330	A 2110
59-10-07			83800	210	A 47500	62-09-17			28100	760	A 57700
59-10-08			68700	260	A 48200	63-01-09			9080	640	A 15700
59-10-09			58600	210	A 33200	64-04-06			25500	1410	A 97100
59-10-10			56100	200	A 30300	64-04-07			18700	520	A 26300
59-10-12			35800	250	A 24200	64-04-08			17200	690	A 32000
59-10-13			28600	260	A 20100	64-04-10			3830	400	A 4140
59-10-16			38500	520	A 54100	64-06-09			3000	200	A 1620
59-10-19			14000	280	A 10600	64-06-15			18000	550	A 26700
59-10-27			8700	240	A 5640	64-08-28			7270	1560	A 30600
59-12-30			3840	190	A 1970	64-08-30			11300	960	A 29300
60-01-13			5020	310	A 4200	64-09-01			5490	520	A 7710
60-02-08			14900	810	A 32600	64-11-20			15500	670	A 28000
60-03-10			9030	610	A 14900	64-11-24			20000	360	A 19400
60-03-11			17600	890	A 42300	64-12-21			5750	80	A 1240
60-03-21			10600	230	A 6580	65-03-22			3440	160	A 1490
60-04-04	0001		6540	290	A 5120	65-04-05			26700	890	A 64200
60-04-14			4530	1000	A 12200	65-04-14			14400	490	A 19100
60-04-15			31400	2080	A 176000	65-04-23			2800	210	A 1590
60-04-18			20300	840	A 46000	65-05-12			10300	370	A 10300
60-04-27			2080	230	A 1290	65-05-20			9380	1170	A 29600
60-05-07			39000	1400	A 147000	65-06-10			13000	1010	A 35500
60-05-09			25900	570	A 39900	65-06-17			6520	310	A 5460
60-05-12			8830	390	A 9300	65-09-15			5160	410	A 5710
60-05-27			1430	130	A 502	65-09-29			12200	1550	A 51100
60-07-06			839	3310	A 7500	66-03-03			3460	160	A 1490
60-08-29			5760	660	A 10300	66-05-19			2820	520	A 3960
60-11-01			9740	610	A 16000	66-06-10			9860	480	A 12800
60-11-03			8390	600	A 13600	66-06-13			7340	550	A 10900
60-12-13			14200	730	A 28000	66-09-06			3930	810	A 8590
61-02-23			5940	1030	A 16500	67-04-14			11100	1540	A 46200
61-03-09			4970	320	A 4290	67-06-15			11000	180	A 5350
61-03-23			9930	940	A 25200	67-06-27			4050	130	A 1420
61-03-24			10700	730	A 21100	67-06-29			8340	350	A 7880
61-03-29			12200	1600	A 52700	67-07-27			19600	860	A 45500
61-04-12			11600	680	A 21300	67-08-09			2420	130	A 849
61-04-13			13700	680	A 25200	67-09-20			8420	190	A 4320
61-04-24			15800	1030	A 43900	67-11-02			14500	260	A 10200
61-04-28			15800	1210	A 51600	67-11-03			20500	400	A 22100
61-05-03			22100	1280	A 76400	68-01-24			2700	70	A 510
61-05-04			26300	1150	A 81700	68-03-18			4160	130	A 1460
61-05-06			42800	770	A 89000	68-03-21			32400	740	A 64700
61-05-08			48800	800	A 105000	68-03-25			16700	300	A 13500
61-05-11			112000	500	A 151000	68-03-26			18700	220	A 11100
61-05-12			115000	350	A 109000	68-04-05			23400	790	A 49900
61-05-13			97800	240	A 63400	68-04-17			6270	950	A 16100
61-05-14			76400	200	A 41300	68-05-16			3400	170	A 1560
61-05-15			69500	180	A 33800	68-08-23			6300	440	A 7480
61-05-16			47200	210	A 26800	68-11-25			12300	180	A 5980
61-05-17			34800	280	A 26300	68-12-09			4420	480	A 5730
61-05-18			27200	300	A 22000	68-12-26			5950	270	A 4340
61-05-19			27200	490	A 36000	69-02-03			8930	400	A 9640
61-05-22			31400	590	A 50000	69-03-04			2770	170	A 1270
61-05-24			35500	740	A 70900	69-03-20			3140	770	A 6530
61-05-31			21100	380	A 21600	69-03-25			22200	1140	A 68300
61-06-05			16200	730	A 31900	69-03-26			26800	730	A 52800
61-06-16			16200	670	A 29300	69-03-27			18100	490	A 23900
61-06-30			1880	160	A 812	69-03-28			18000	560	A 27200
61-07-16			39000	650	A 68400	69-04-08			3540	580	A 5540
61-07-17			34100	500	A 46000	69-04-21			22700	270	A 16500
61-07-20			2580	440	A 3070	69-05-06			5750	590	A 9160
61-07-24			21900	1080	A 63900	69-05-20			4400	580	A 6890
61-08-02			5700	380	A 5850	69-06-03			26300	700	A 49700
61-08-11			528	50	A 71	69-06-05			29800	760	A 61100
61-08-16			39800	570	A 61300	69-06-18			25200	330	A 22500
61-09-07			30100	500	A 40600	69-07-01			21800	430	A 25300
61-09-12			8150	490	A 10800	69-09-23			2580	650	A 4530
61-09-16			41000	380	A 42100	69-10-21			24200	440	A 28700
61-09-17			42800	520	A 60100	69-11-05			5660	140	A 2140
61-09-18			43000	550	A 63900	70-04-02			8430	550	A 12500
61-09-21			36800	310	A 30800	70-04-03			15900	2110	A 90600
61-10-05			16900	290	A 13200	70-04-13			11400	80	A 2460
61-10-13			11000	480	A 14300	70-04-21			21400	510	A 29500
61-11-04			32800	670	A 59300	70-04-29			23100	450	A 28100
61-11-05			30400	440	A 36100	70-05-04			28400	340	A 26100
61-11-07			28900	440	A 34300	70-06-04			21100	810	A 46100
61-11-13			15600	320	A 13500	70-06-18			7520	230	A 4670

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

## ARKANSAS RIVER BASIN

07178620 VERDIGRIS RIVER NEAR INOLA, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-02-26		1030	7740		87						1820
74-04-24		0910	1870		60						303
74-05-29		0945	18000		367						17800
74-06-25		1030	10600		93						2660
74-07-23		0950	74		74						15
74-08-28		0900	550		78						116
74-09-25		1030	7000		59						1120
74-10-23		0900	4990	*	46						620
74-11-20		1300	28200	*	122						9290
75-01-07		1500	11200	*	71						2150
75-04-08		1530	10600	*	77						2200
75-05-07		0900	2870	*	604						4680
75-08-13		1200	176	*	20						9.5
75-11-19		1130	170	*	261						120
76-01-21		0900	84	*	875						198
76-02-19		1200	78		28						5.9
76-07-27		1300	11400	*	34						1050
76-08-25		1100	74	*	137						27

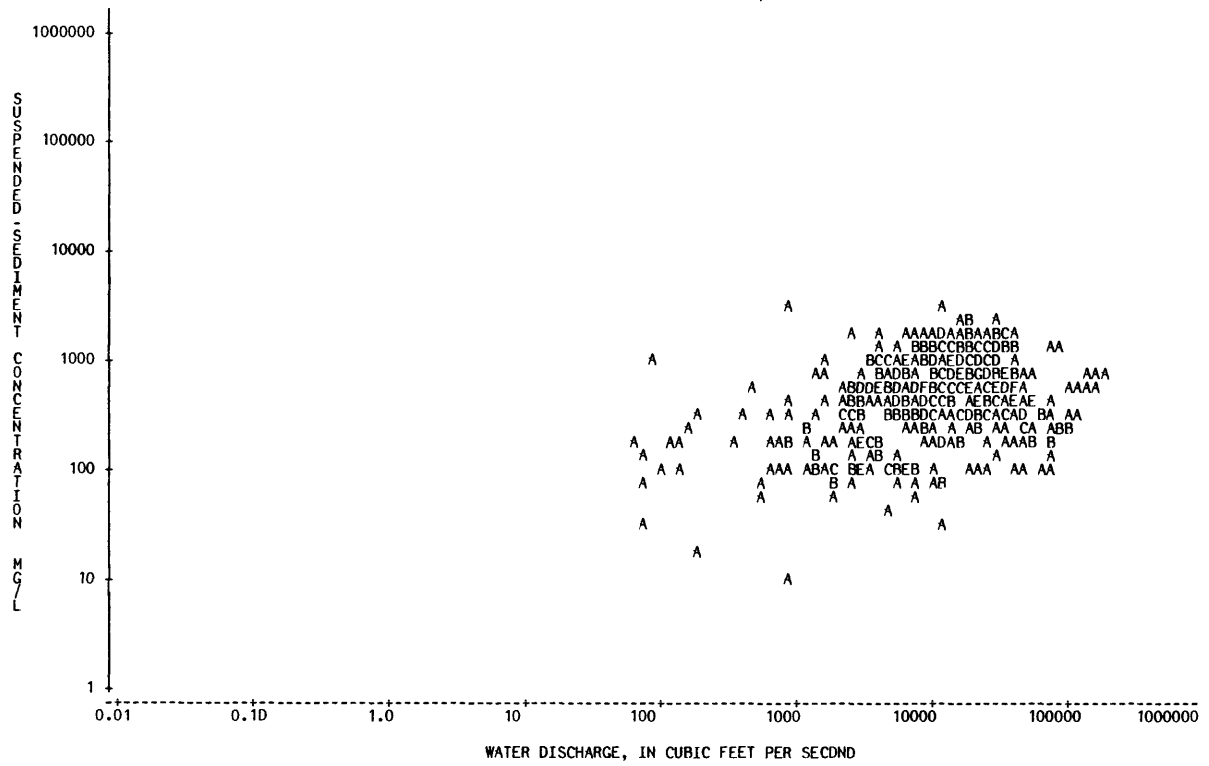
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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

07178620 VERDIGRIS RIVER NEAR INOLA, OKLA.



## ARKANSAS RIVER BASIN

07179400 COUNCIL GROVE LAKE NEAR COUNCIL GROVE, KANS.

LOCATION.--Lat 38°40'45", long 96°30'25", in NE 1/4 NE 1/4 sec.10, T.16 S., R.8 E., Morris County, Hydrologic Unit 11070201, 1.0 mi (1.6 km) northwest of Council Grove, and at mile 449.7 (723.6 km).

DRAINAGE AREA.--246 mi<sup>2</sup> (637 km<sup>2</sup>).

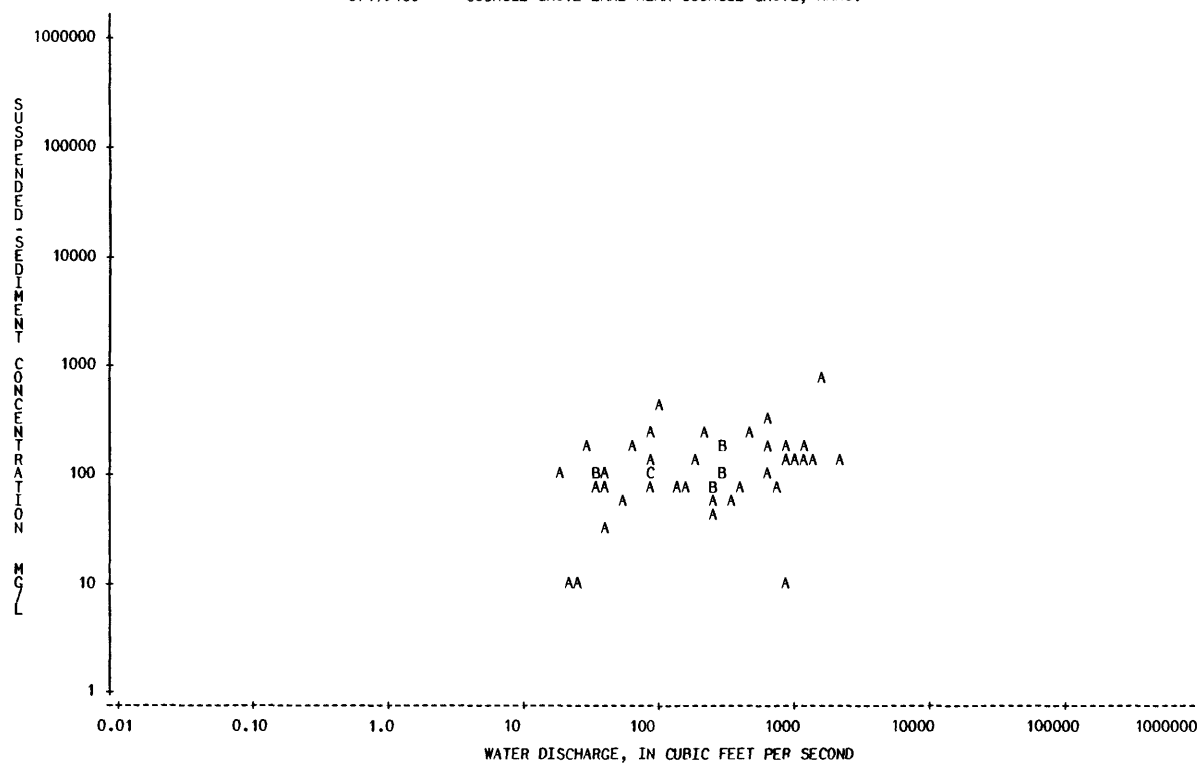
PERIOD OF RECORD.--Water years 1965-76, 1978.

REMARKS.--Suspended-sediment samples collected at lake outflow.

DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-07-09		495	220	A	294				
65-09-14		214	260	A	150				
65-10-18		40	90	A	9.7				
65-12-17		23	10	A	0.62				
65-12-28		900	10	A	24				
66-01-07		55	50	A	7.4				
66-02-18		24	10	A	0.65				
66-04-26		89	230	A	55				
66-08-12		20	100	A	5.4				
67-04-05		940	130	A	330				
67-10-19		96	440	A	114				
67-11-11		85	100	A	23				
68-05-04		60	170	A	28				
68-06-25		296	160	A	128				
68-06-26		288	200	A	156				
68-10-23		1360	150	A	551				
68-11-19		195	140	A	74				
69-02-25		865	200	A	467				
69-04-30		1640	710	A	3140				
69-05-26		622	190	A	319				
69-06-17		284	100	A	77				
69-07-23		2200	130	A	772				
70-04-30		1220	190	A	626				
70-06-15		308	110	A	91				
71-03-08		319	50	A	43				
71-07-12		682	280	A	516				
71-11-05		738	80	A	159				
72-05-11		612	90	A	149				
72-08-31		388	70	A	73				
73-01-09		127	80	A	27				
73-03-30		911	150	A	369				
73-11-28		34	100	A	9.2				
74-01-15		91	70	A	17				
74-04-17		40	80	A	8.6				
74-05-29		88	130	A	31				
74-06-19		1230	130	A	432				
74-11-15		238	80	A	51				
74-12-03		41	30	A	3.3				
75-01-15		86	100	A	23				
75-02-24		91	110	A	27				
75-03-26		236	80	A	51				
75-04-18		270	40	A	29				
75-05-21		32	80	A	6.9				
75-07-17		31	160	A	13				
76-05-14		35	110	A	10				
77-11-21	1330	235	60	A	38				
77-11-21	1645	164	80	A	35				

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07179400 COUNCIL GROVE LAKE NEAR COUNCIL GROVE, KANS.





## ARKANSAS RIVER BASIN

07179500 NEOSHO RIVER AT COUNCIL GROVE, KANS.

LOCATION.--Lat 38°39'54", long 96°29'38", in NE 1/4 NW 1/4 sec.14, T.16 S., R.8 E., Morris County, Hydrologic Unit 11070201, on downstream side of center pier of highway bridge at city water plant in north part of Council Grove, 300 ft (91 m) downstream from Mozler Creek, 1.0 mi (1.6 km) upstream from Elm Creek, 1.7 mi (2.7 km) downstream from Council Grove Lake, and at mile 448.0 (721 km).

DRAINAGE AREA.--250 mi<sup>2</sup> (650 km<sup>2</sup>).

PERIOD OF RECORD.--1940-47, 1950, 1955-56, 1958-64, 1969-72, 1978-79.

REMARKS.--Flow completely regulated by Council Grove Lake since 1964.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-06-11			49	2700	A 357	45-05-09			109	600	A 177
40-06-12			27	2000	A 146	45-05-24			69	300	A 56
40-06-14			13	1300	A 46	45-06-08			67	200	A 36
40-09-09			10.0	1100	A 30	45-07-04			90	100	A 24
40-11-27			53	1500	A 215	45-07-21			53	200	A 29
40-11-28			40	1200	A 130	45-07-26			7350	4600	A 91300
40-12-06			1.0	700	A 1.9	45-08-04			42	200	A 23
41-01-23			84	900	A 204	45-09-28			699	3400	A 6420
41-02-03			61	700	A 115	45-10-04			83	200	A 45
41-04-08			150	300	A 121	46-04-11			43	100	A 12
41-06-01			5300	4400	A 63000	46-07-02			81	700	A 153
41-06-09			1200	3700	A 12000	47-03-25			93	300	A 75
41-09-05			5.0	100	A 1.4	47-06-23			109	400	A 118
41-09-18			1.0	200	A 0.54	50-06-03			3050	2600	A 21400
41-10-06			5.0	1000	A 14	55-04-04			838	2340	A 5290
41-10-24			193	400	A 208	55-05-27			293	1720	A 1360
41-11-14			84	300	A 68	56-08-09			5030	5780	A 78500
41-11-25			62 *	300	A 50	58-09-11			95	530	A 136
42-01-20			45	300	A 36	58-10-03			34	250	A 23
42-03-07			37	100	A 10	58-10-08			476	1100	A 1410
42-03-18			160	600	A 259	59-04-03			33	160	A 14
42-04-23			49	200	A 26	59-05-11			2180	2480	A 14600
42-05-03			6140	7400	A 123000	59-06-11			32	180	A 16
42-05-06			99	200	A 53	59-08-07			38	170	A 17
42-05-15			85	300	A 69	59-10-04			137	930	A 344
42-05-25			2188	10400	A 61400	60-03-26			2010	2740	A 14900
42-06-19			11090	4400	A 132000	60-04-12			117	350	A 111
42-07-24			16	400	A 17	60-05-02			85	340	A 78
42-08-04			28	1100	A 83	60-06-27			37	210	A 21
43-06-14			78	200	A 42	60-08-01			34	620	A 57
43-06-16			23000	5500	A 342000	61-04-03			115	220	A 68
44-01-20			57	300	A 46	61-06-06			1960	3650	A 19300
44-03-16			668	1600	A 2890	61-10-24			44	110	A 13
44-04-22			14450	5600	A 218000	61-11-29			68	40	A 7.3
44-05-03			11270	5200	A 158000	61-12-26			41	50	A 5.5
44-06-30			20	200	A 11	62-01-29			1440	490	A 1910
44-07-11			17	200	A 9.2	62-02-26			50	100	A 13
44-07-25			50 *	200	A 27	62-05-28			85	380	A 87
44-08-05			9.0	100	A 2.4	62-06-25			40	280	A 30
44-08-23			12	100	A 3.2	62-10-18			39	130	A 14
44-08-26			11900	4000	A 129000	63-06-18			38	530	A 54
44-09-11			20	100	A 5.4	64-04-30			107	320	A 92
44-09-29			81	900	A 197	69-05-02			1450	170	A 666
44-10-17			21	100	A 5.7	69-05-09			1575	140	A 595
44-10-25			12	300	A 9.7	69-05-23			82	190	A 42
44-11-06			16	300	A 13	69-05-30			300	140	A 113
44-11-21			15	300	A 12	69-06-06			650	140	A 246
44-12-05			4510	2100	A 25600	69-06-13			300	90	A 73
44-12-16			210	200	A 113	69-10-10			21	50	A 2.8
45-03-03			238	400	A 257	69-10-31			21	40	A 2.3
45-03-20			498	400	A 538	69-11-07			21	30	A 1.7
45-04-02			60	600	A 97	69-11-14			82	20	A 4.4
45-04-21			214	600	A 347	69-12-05			11	20	A 0.59

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

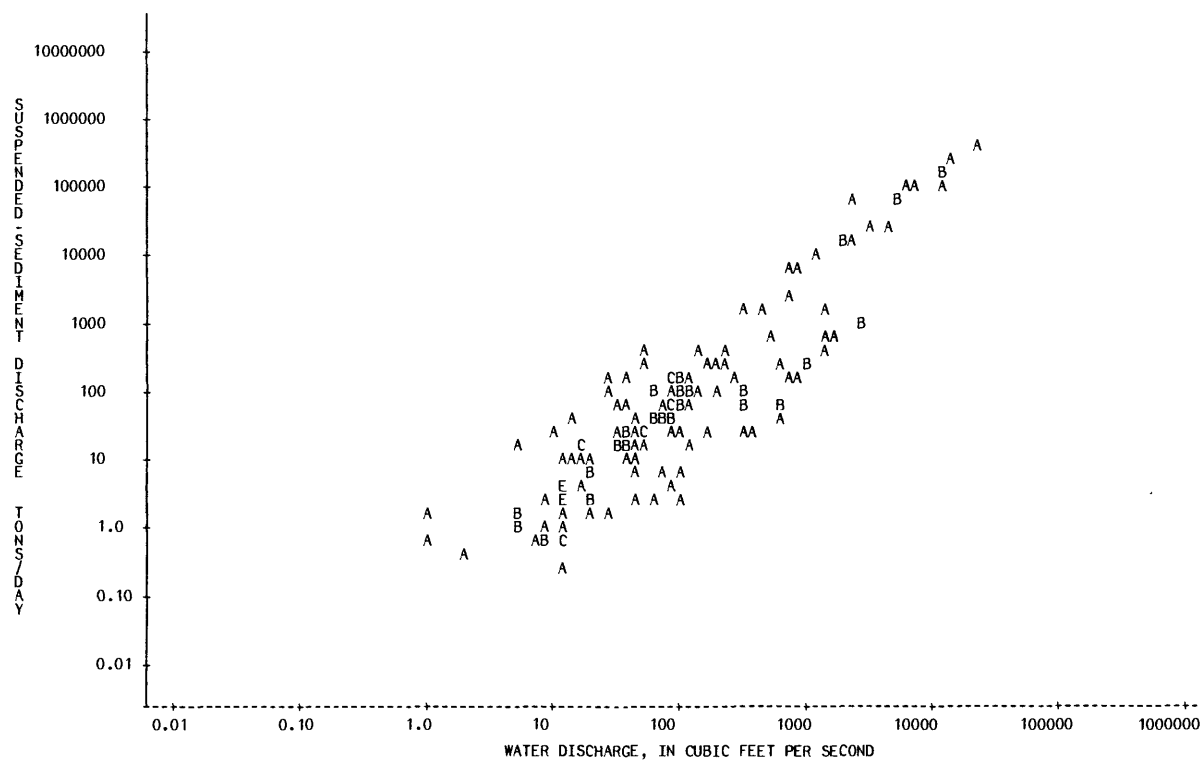
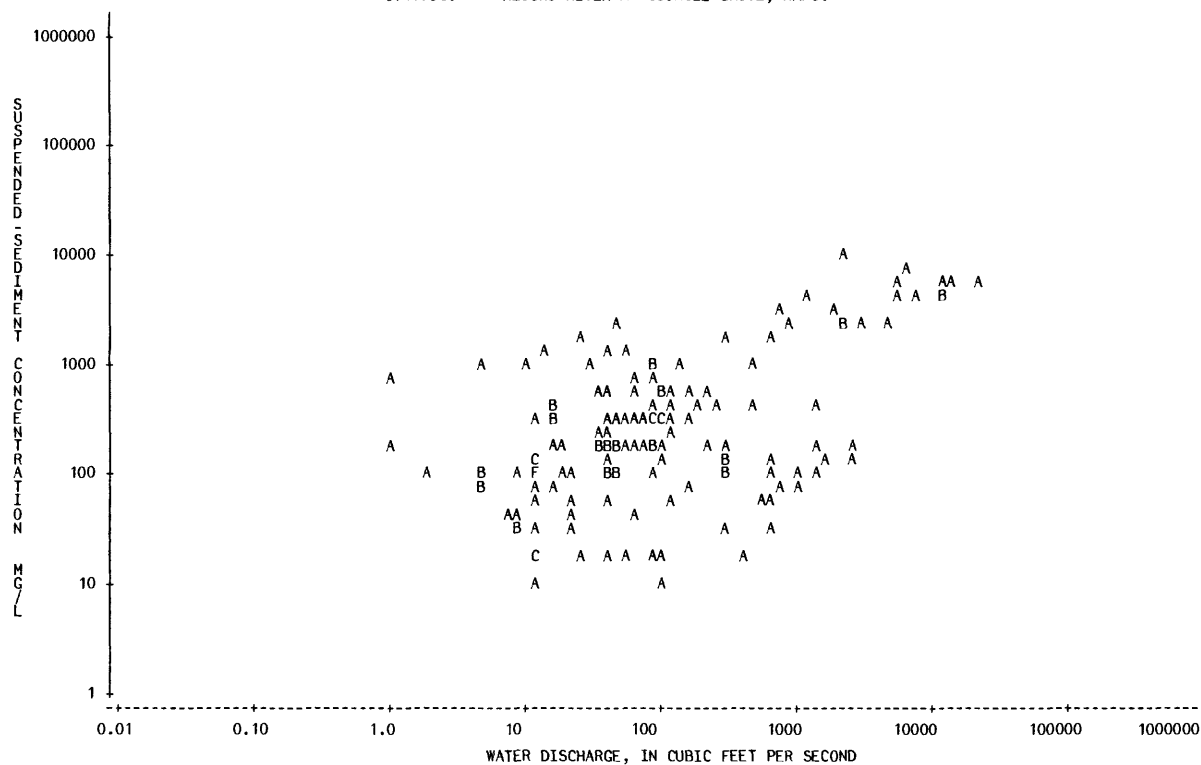
## ARKANSAS RIVER BASIN

07179500 NEOSHO RIVER AT COUNCIL GROVE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-01-02			58	20	A 3.1
70-01-09			26	20	A 1.4
70-01-16			11	20	A 0.59
70-01-30			11	20	A 0.59
70-02-20			8.0	40	A 0.86
70-03-20			8.0	30	A 0.65
70-03-27			8.0	30	A 0.65
70-04-03			100	10	A 2.7
70-05-22			11	100	A 3.0
70-06-05			680	100	A 184
70-06-12			300	130	A 105
70-06-19			790	70	A 149
70-07-03			12	110	A 3.6
70-07-10			12	130	A 4.2
70-07-24			12	150	A 4.9
70-07-31			12	110	A 3.6
70-08-07			12	90	A 2.9
70-08-14			12	80	A 2.6
70-08-28			400	20	A 22
70-09-11			126	50	A 17
70-09-25			600	30	A 49
70-10-02			7.0	40	A 0.76
70-10-16			300	30	A 24
70-11-13			11	10	A 0.30
70-11-27			41	20	A 2.2
71-01-26			11	50	A 1.5
71-02-05			11	100	A 3.0
71-03-05			96	20	A 5.2
71-04-16			16	80	A 3.5
71-04-30			5.0	110	A 1.5
71-05-21			5.0	70	A 0.95
71-05-28			1300	110	A 386
71-06-04			100	120	A 32
71-06-11			100	630	A 170
71-06-18			100	320	A 86
71-06-25			1000	90	A 243
71-07-09			17	420	A 19
71-07-16			1000	80	A 216
71-07-27			2700	170	A 1240
71-07-30			2700	140	A 1020
71-08-27			585	50	A 79
71-10-01			5.0	80	A 1.1
71-11-19			600	50	A 81
71-12-10			11	30	A 0.89
72-04-21			2.0	90	A 0.49
72-05-12			300	90	A 73
72-06-23			11	130	A 3.9
77-11-21	1330		164	70	31
79-03-20	1300		283	190	145

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07179500 NEOSHO RIVER AT COUNCIL GROVE, KANS.



## ARKANSAS RIVER BASIN

07179730 NEOSHO RIVER NEAR AMERICUS, KANS.

LOCATION.--Lat 38°28'01", long 96°15'01", in SW 1/4 NW 1/4 SE 1/4 sec.24, T.18 S., R.10 E., Lyon County, Hydrologic Unit 11070201, near right bank, 0.1 mi (0.16 km) below Ruggles Dam, 2.0 mi (3.2 km) south of Americus, 12.5 mi (20.1 km) upstream from Allen Creek, and 24.0 mi (38.6 km) upstream from Cottonwood River.

DRAINAGE AREA.--622 mi<sup>2</sup> (1,610 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1964, 1966-78.

REMARKS.--Moderately regulated since 1964 by Council Grove Lake. Low flow occasionally regulated by Ruggles Dam, 0.1 (0.16 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
64-05-06	1800	1110	*	1600	4800	71-01-20			39	100	A	11
66-01-03		226		80	A	71-02-11			31	110	A	9.2
66-03-03		75		300	A	71-03-09			390	460	A	484
66-04-26		187		170	A	71-04-08			68	70	A	13
66-06-01		34		120	A	71-05-04			32	180	A	16
66-07-12		6.0		60	A	71-07-12			795	630	A	1350
66-08-12		21		30	A	71-09-02			46	40	A	5.0
66-09-13		11		30	A	71-10-04			11	80	A	2.4
66-10-21		7.0		10	A	71-11-05			723	180	A	351
66-11-30		4.0		50	A	72-01-11			86	90	A	21
67-01-20		3.0		70	A	72-01-31			8.0	50	A	1.1
67-02-23		4.0		80	A	72-03-07			31	70	A	5.9
67-03-21		8.0		50	A	72-04-03			36	40	A	3.9
67-04-18		43		210	A	72-05-11			1006	270	A	733
67-05-16		22		80	A	72-06-06			79	90	A	19
67-07-03		962		500	A	72-07-05			24	20	A	1.3
67-07-25		617		1050	A	72-08-03			53	60	A	8.6
67-08-23		258		60	A	72-09-05			34	30	A	2.8
67-09-16		246		120	A	72-11-08			27	40	A	2.9
67-10-19		805		340	A	72-12-08			63	110	A	19
67-11-11		398		120	A	73-01-09			952	190	A	488
67-12-26		395		130	A	73-02-21			179	130	A	63
68-01-06		340		30	A	73-03-30			1550	170	A	711
68-02-10		319		60	A	73-05-17			240	100	A	65
68-03-07		269		30	A	73-06-20			514	190	A	264
68-05-04		354		130	A	73-07-16			59	140	A	22
68-08-07		339		390	A	73-08-22			127	100	A	34
68-09-05		268		170	A	73-09-19			55	240	A	36
68-10-08		243		70	A	73-10-30			2880	320	A	2490
68-10-23		1430		380	A	73-11-28			187	140	A	71
69-02-03		102		240	A	74-01-15			232	70	A	44
69-02-25		1780		2350	A	74-02-13			152	180	A	74
69-04-02		416		130	A	74-03-14			270	80	A	58
69-04-30		1030		780	A	74-04-17			126	110	A	37
69-06-17		427		180	A	74-05-29			226	230	A	140
69-07-02	0001	4030		4920	A	74-06-20			1250	360	A	1220
69-07-02	0002	4030		960	A	74-07-26			16	60	A	2.6
69-07-23		1780		780	A	74-08-27			21	100	A	5.7
69-08-27		49		150	A	74-09-20			22	10	A	0.59
69-09-30		38		60	A	74-10-22			43	110	A	13
69-10-28		59		30	A	74-11-19			537	90	A	130
69-11-25		67		40	A	74-12-03			117	60	A	19
69-12-29		135		20	A	75-01-15			224	140	A	85
70-01-27		249		180	A	75-02-25			257	170	A	118
70-03-03		56		30	A	75-03-26			344	90	A	84
70-05-01		1446		490	A	75-04-19	1205	1030	1160	100	A	3230
70-06-15		594		260	A	75-05-21			103	100	A	28
70-07-06		57		160	A	75-06-19			290	130	A	102
70-08-05		14		70	A	75-07-17			450	160	A	194
70-09-09		22		40	A	75-08-19			77	140	A	29
70-10-06		23		50	A	75-09-17			10.0	90	A	2.4
70-11-02		53		50	A	75-10-21			22	140	A	8.3
70-12-03		30		90	A	75-11-18			50	210	A	28

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

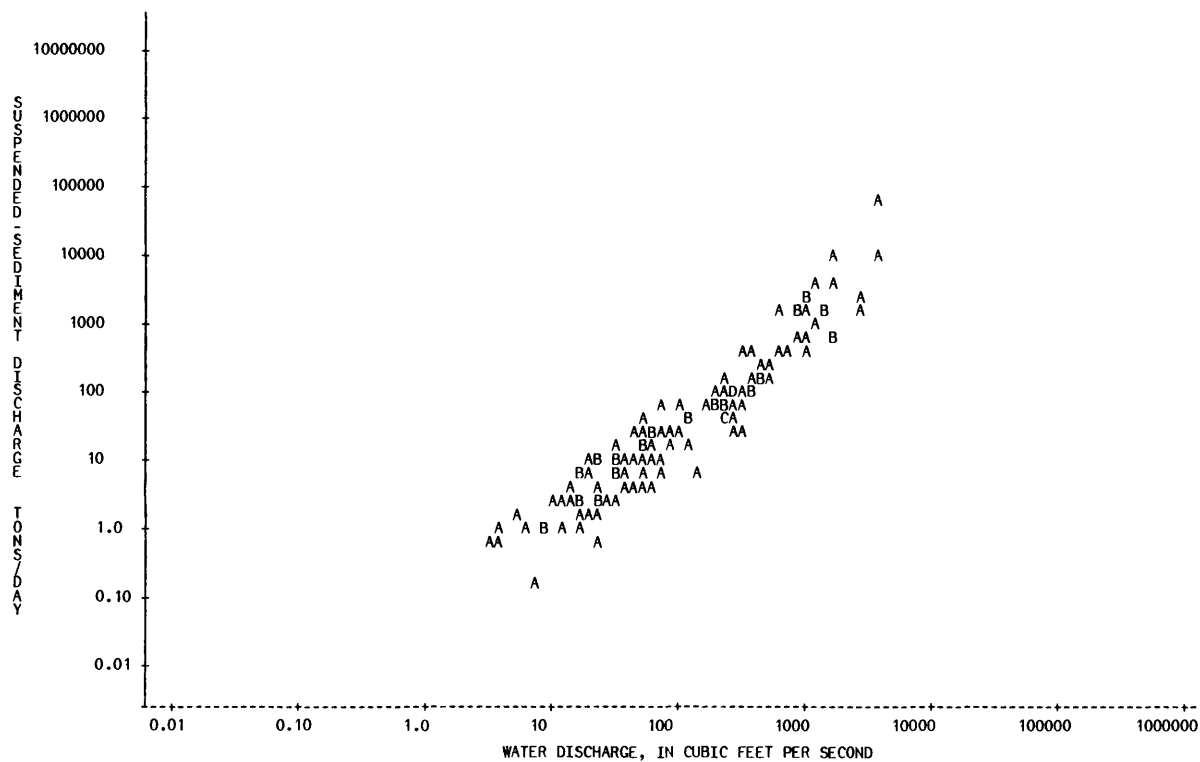
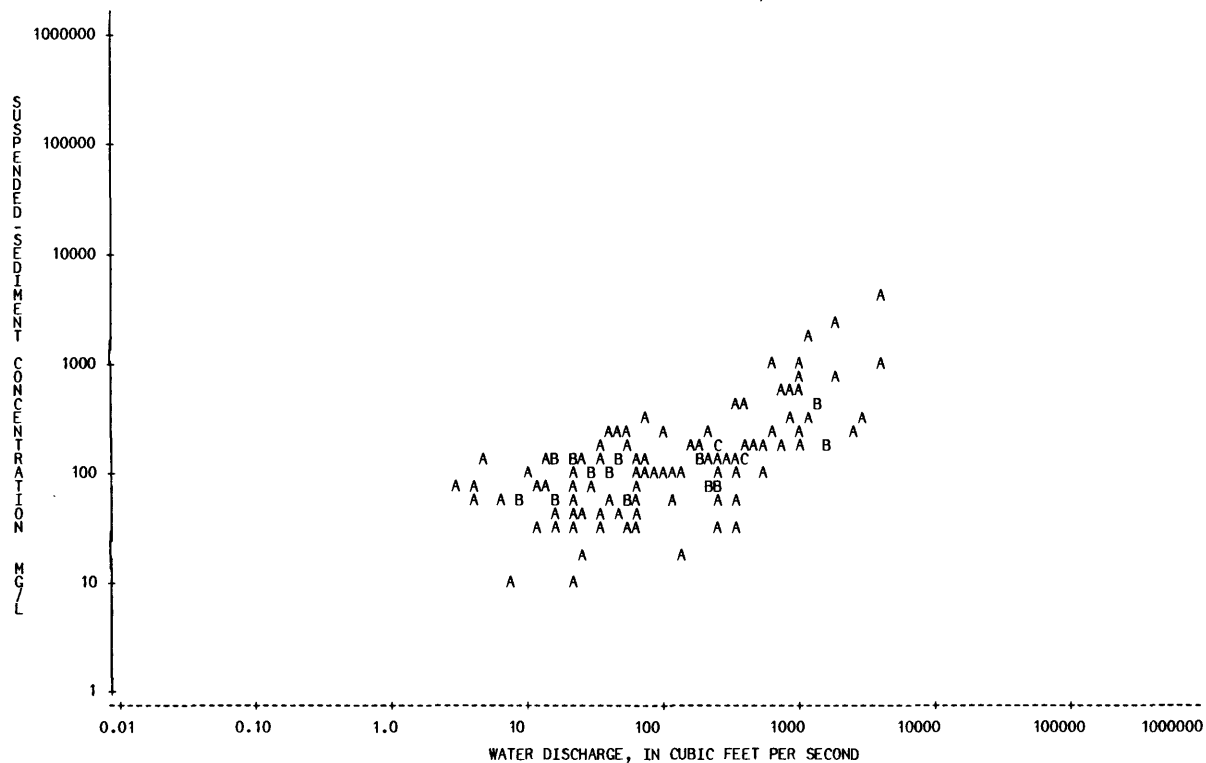
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-02-25			17	120	A 5.5						
76-02-25		1735	17	120	A 5.5						
76-04-02		0800	13	120	A 4.2						
76-06-16		0903	49	150	A 20						
76-07-14		1500	24	140	A 9.1						
76-07-15		1010	5.0	140	A 1.9						
76-08-10		1530	21	150	A 8.5						
77-02-09		1615	16	30	A 1.3						
77-03-07		1600	16	47	A 2.0						
77-04-20		0830	16	50	A 2.2						
77-06-06		1145	1550	180	A 753						
77-06-06		1530	910	530	A 1300						
77-07-13		1200	2600	237	A 1660						
77-10-04		1150	66	60	A 11						

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07179730 NEOSHO RIVER NEAR AMERICUS, KANS.



## ARKANSAS RIVER BASIN

07179795 COTTONWOOD RIVER BELOW MARION LAKE, KANS.

LOCATION.--Lat 38°22'00", long 97°05'00", in SE 1/4 sec.27, T.19 S., R.3 E., Marion County, Hydrologic Unit 11070202, on left bank, 0.25 mi (0.40 km) below outlet of dam, 1.6 mi (2.6 km) upstream from South Fork Cottonwood River, 3.0 mi (4.8 km) northwest of Marion, and at mile 126.5 (203.5 km).

DRAINAGE AREA.--200 mi<sup>2</sup> (520 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-42, 1944-48, 1951-52, 1957-63, 1965-67, 1971-76, 1979.

REMARKS.--Flow completely regulated since 1968 by Marion Lake, 0.25 mi (0.40 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-18			627	2600	A 4400	45-01-18			49	200	A 26
40-04-29			162	1900	A 831	45-02-01			42	200	A 23
40-05-18			851	2600	A 5970	45-02-14			43	200	A 23
40-05-20			54	100	A 15	45-03-03			703	1200	A 2280
40-05-21			287	3100	A 2400	45-03-19			61	400	A 66
40-06-12			16	400	A 17	45-04-02			41	200	A 22
40-09-25			1910	3300	A 17000	45-04-11			2330	6500	A 40900
40-11-25			1114	2800	A 8420	45-04-20			186	300	A 151
40-11-26			1100	2000	A 5940	45-04-28			254	400	A 274
40-11-27			157	800	A 339	45-05-11			94	300	A 76
40-11-28			74	700	A 140	45-05-23			65	200	A 35
41-02-04			50	300	A 40	45-06-07			43	300	A 35
41-03-10			332	1100	A 986	45-06-18			90	400	A 97
41-06-01			1550	2200	A 9210	45-07-03			39	300	A 32
41-06-09			8730	2500	A 58900	45-07-17			27	300	A 22
41-06-10			4790	1400	A 18100	45-08-03			18	300	A 15
41-07-03			464	800	A 1000	45-09-29			2970	1400	A 11200
41-09-04			193	500	A 261	45-10-05			56	200	A 30
41-09-06			12600	2800	A 95300	47-03-24			64	200	A 35
41-09-07			5850	2100	A 33200	47-04-10			9100	7100	A 174000
41-09-16			48	900	A 117	47-04-11			1760	3100	A 14700
41-10-07			4220	4900	A 55800	47-04-23			111	200	A 60
41-10-26			997	3100	A 8340	47-05-26			79	200	A 43
41-11-13			93	200	A 50	48-03-16			492	1200	A 1590
42-03-05			86	100	A 23	48-06-21			547	1700	A 2510
42-03-19			83	500	A 112	48-07-20			2760	600	A 4470
42-04-24			114	300	A 92	51-03-30			117	400	A 126
42-05-05			102	400	A 110	51-05-09			162	200	A 87
42-05-16			62	200	A 33	51-06-07			14700	2400	A 95300
42-06-24			2940	3200	A 25400	51-06-26			128	200	A 69
42-08-04			176	1400	A 665	51-06-28			130	100	A 35
43-10-23			3780	3400	A 34700	51-07-18			173	300	A 140
44-01-21			59	300	A 48	51-08-01			81	100	A 22
44-03-16			688	2600	A 4830	51-09-05			678	1400	A 2560
44-03-23			2140	1900	A 11000	51-09-14			137	200	A 74
44-03-31			140	200	A 76	52-03-10			2150	3100	A 18000
44-04-19			172	2600	A 1210	52-03-24			68	100	A 18
44-04-28			287	1200	A 930	52-04-22			2870	3300	A 25600
44-05-29			254	1100	A 754	52-05-05			71	100	A 19
44-07-01			20	100	A 5.4	52-05-20			59	100	A 16
44-07-12			349	2500	A 2360	57-04-03			941	3310	A 8410
44-07-26			17	100	A 4.6	57-04-25			39	350	A 37
44-08-21			15	200	A 8.1	57-05-15			174	920	A 432
44-09-04			15	300	A 12	58-04-16			37	180	A 18
44-09-18			12	200	A 6.5	58-05-04			8400	2690	A 61000
44-09-28			1870	3700	A 18700	58-05-15			44	300	A 36
44-10-10			28	300	A 23	58-07-16			194	1870	A 980
44-10-24			20	200	A 11	59-05-05			2770	2310	A 17300
44-11-09			33	300	A 27	59-05-12			207	950	A 531
44-11-24			24	300	A 19	59-07-17			132	380	A 135
44-12-05			4710	1900	A 24200	60-03-26			1680	1890	A 8570
44-12-15			96	400	A 104	60-04-27			41	180	A 20
45-01-05			46	100	A 12	60-05-10			71	250	A 48

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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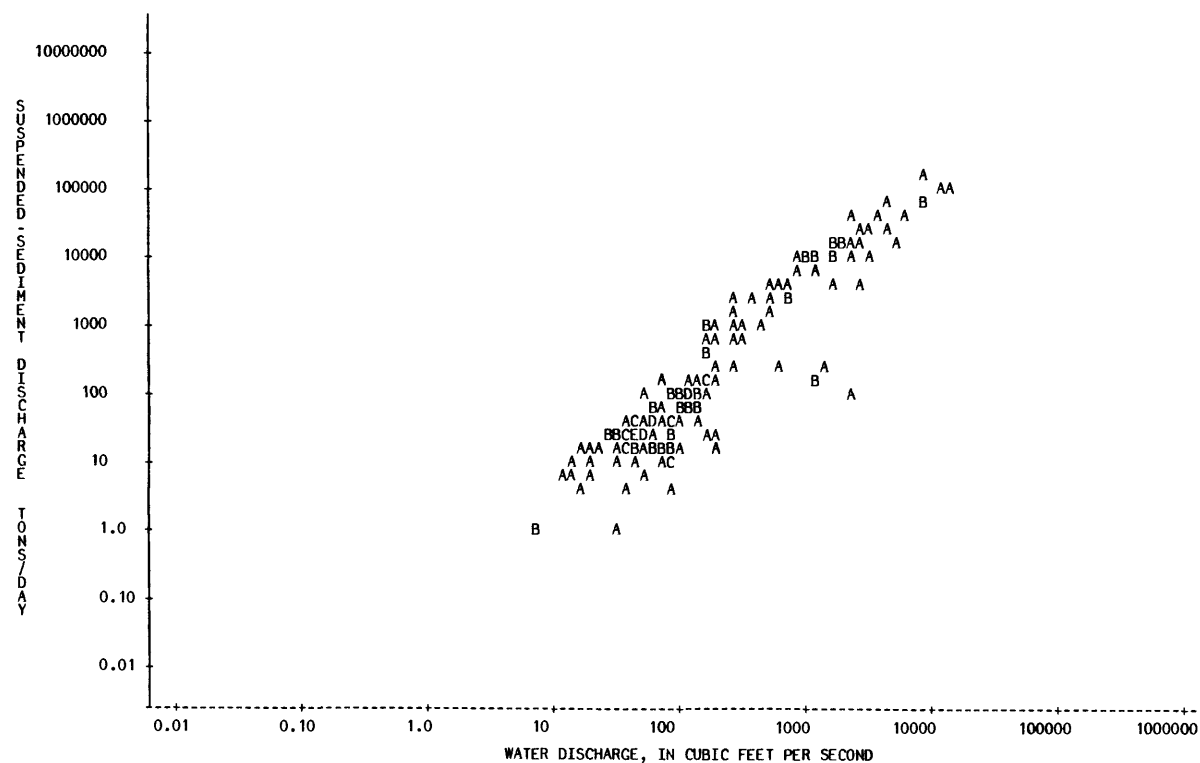
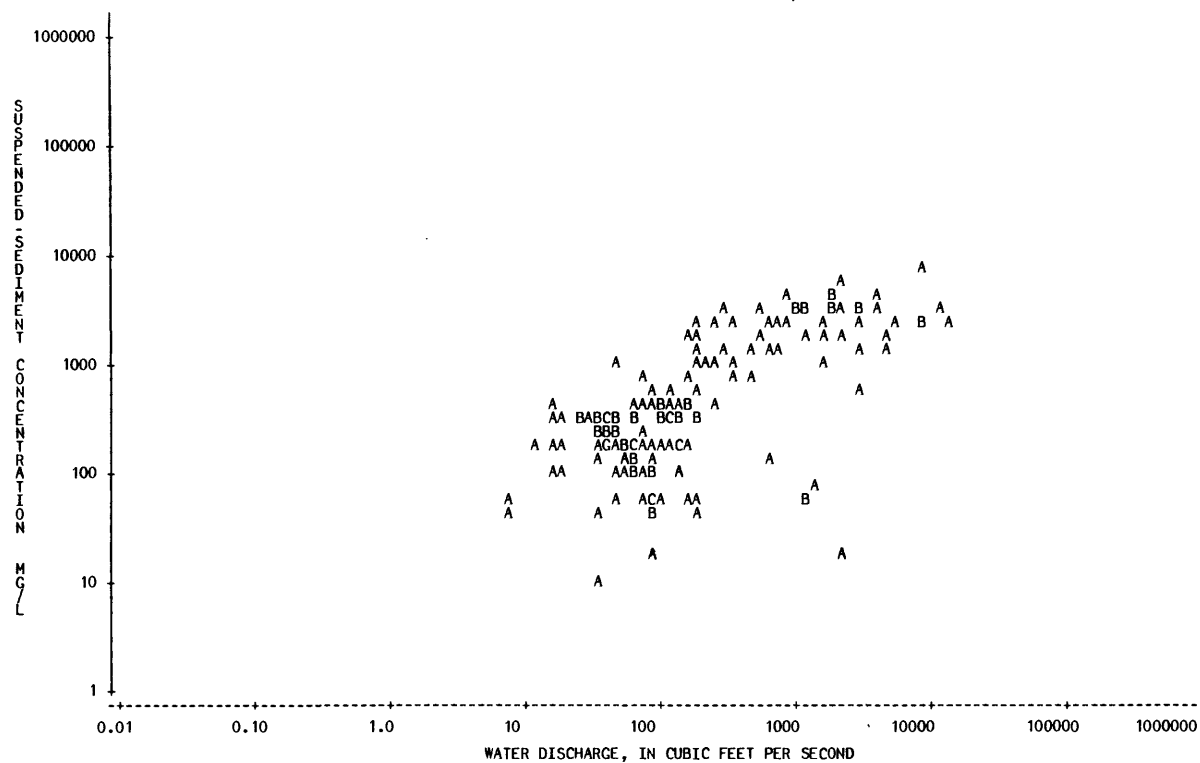
## 07179795 COTTONWOOD RIVER BELOW MARION LAKE, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-06-16			840	3830	A	8690					
60-08-09			120	530	A	172					
60-10-28			1780	4120	A	19800					
60-12-15			49	60	A	7.9					
61-02-13			72	60	A	12					
61-03-13			47	270	A	34					
61-05-25			167	370	A	167					
61-06-12			40	270	A	29					
61-07-21			129	340	A	118					
61-09-21			34	260	A	24					
61-12-27			52	150	A	21					
62-01-29			1530	1050	A	4340					
62-02-26			43	170	A	20					
62-03-26			109	300	A	88					
62-05-01			35	210	A	20					
62-05-31			154	390	A	162					
62-06-25			103	290	A	81					
62-07-19			63	130	A	22					
62-07-23			512	2860	A	3950					
62-09-13			39	190	A	20					
62-10-23			54	180	A	26					
62-11-27			83	170	A	38					
62-12-17			41	230	A	25					
63-02-19			32	130	A	11					
63-03-19			44	220	A	26					
63-06-19			35	290	A	27					
64-11-17			320	690	A	596					
65-07-08			63	310	A	53					
65-09-13			34	160	A	15					
66-02-10			113	350	A	107					
67-06-08			264	2210	A	1580					
67-06-11			1130	2780	A	8480					
67-06-26			132	280	A	100					
67-07-20			60	120	A	19					
67-09-06			69	430	A	80					
71-05-27			1360	70	A	257					
71-06-15			2140	20	A	116					
71-11-08			182	40	A	20					
72-03-08			34	10	A	0.92					
72-05-12			88	150	A	36					
73-03-28			1130	50	A	153					
73-06-19			108	60	A	17					
73-10-23			588	140	A	222					
74-06-27			88	60	A	14					
74-11-18			85	20	A	4.6					
75-01-17			90	40	A	9.7					
75-02-21			84	40	A	9.1					
75-03-28			83	60	A	13					
75-04-16			36	40	A	3.9					
75-06-16			190	50	A	26					
75-07-03			1250	50	A	169					
76-06-14	1145		7.8	50	A	1.1					
76-07-13	1200		167	60	A	27					
79-04-19	1230		88	50		12					
79-06-05	1140		7.0	47		0.89					

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07179795 COTTONWOOD RIVER BELOW MARION LAKE, KANS.



## ARKANSAS RIVER BASIN

07180400 COTTONWOOD RIVER NEAR FLORENCE, KANS.

LOCATION.--Lat 38°14'10", long 96°52'37", in NW 1/4 SW 1/4 sec.10, T.21 S., R.5 E., Marion County, Hydrologic Unit 11070202, at downstream side of county highway bridge 0.4 mi (0.6 km) upstream from Martin Creek, 2.5 mi (4.0 km) east of Florence, 3.3 mi (5.3 km) downstream from Doyle Creek and at mile 102.4 (164.8 km).

DRAINAGE AREA.--754 mi<sup>2</sup> (1,950 km<sup>2</sup>).

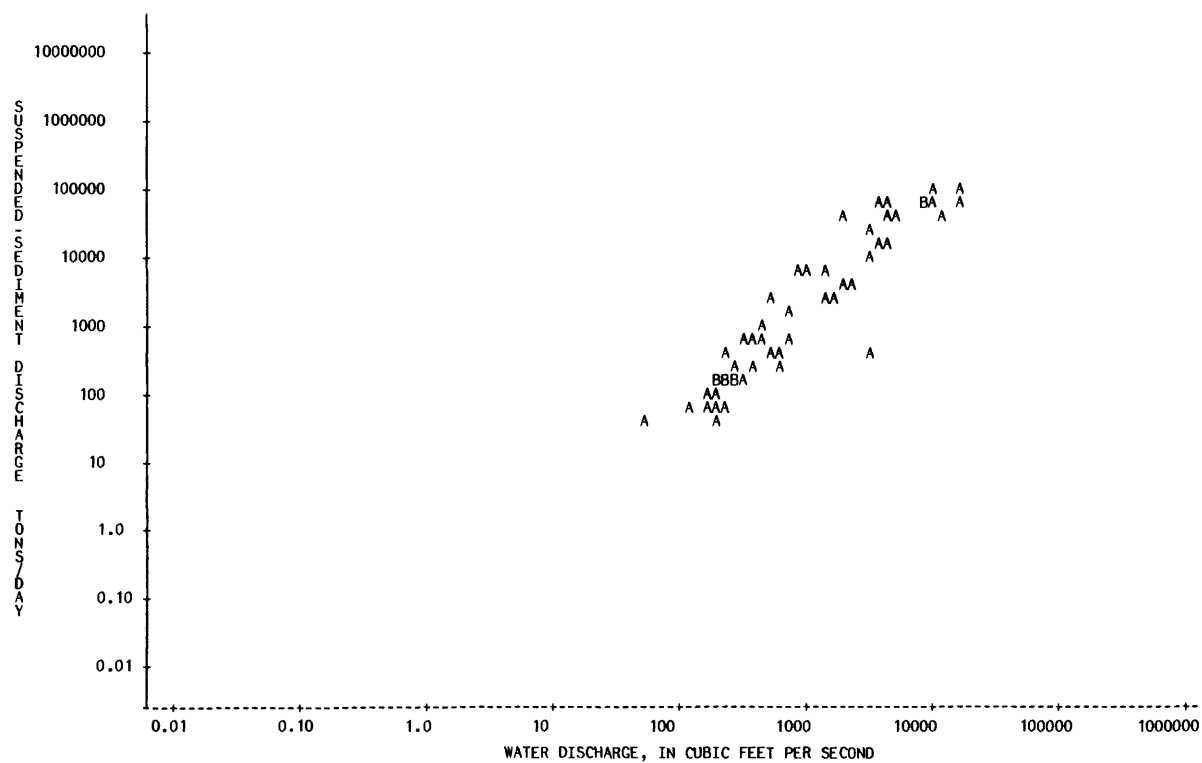
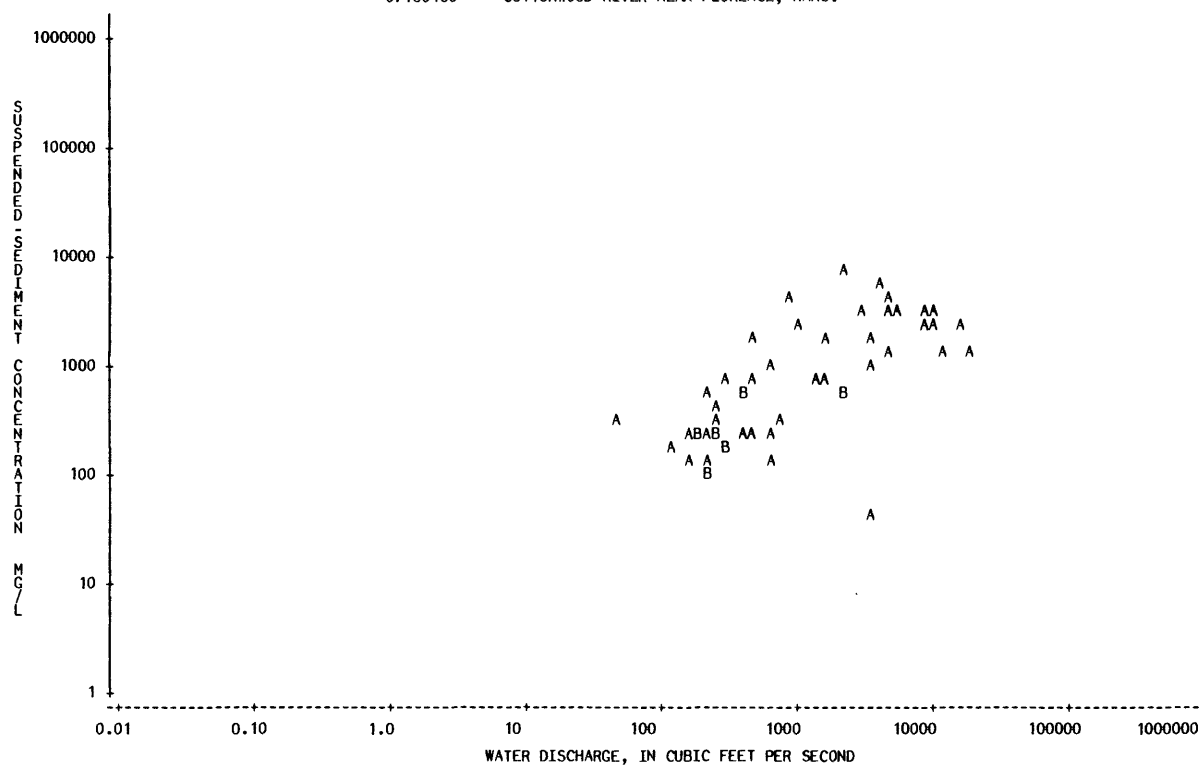
PERIOD OF RECORD.--Water years 1961-63, 1965-67, 1969-76, 1979.

REMARKS.--Flow moderately regulated since 1968 by Marion Lake, 24 mi (39 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-09-13			15200	2370	A 97300						
61-09-14			11400	1530	A 47100						
61-11-30			210	90	A 51						
62-01-29			3400	1150	A 10600						
62-03-26			298	170	A 137						
62-05-31			480	1790	A 2320						
62-06-25			407	520	A 571						
62-07-10			1480	1850	A 7390						
62-07-23			2020	6640	A 36200						
62-09-19			3100	3360	A 28100						
62-09-22			8600	3240	A 75200						
62-10-19			191	270	A 139						
63-07-15			263	390	A 277						
64-11-17			1350	780	A 2840						
65-06-14			4720	4360	A 55600						
65-07-08			231	560	A 349						
65-09-21			8800	2550	A 60600						
65-09-22			4710	1480	A 18800						
66-02-09			315	810	A 689						
67-06-08			814	3690	A 8110						
67-06-11			4580	3440	A 42500						
67-06-13			950	2240	A 5750						
67-06-20			10600	2940	A 84100						
67-06-21			17700	1340	A 64000						
67-06-26			449	720	A 873						
67-07-20			170	140	A 64						
69-03-18			677	1010	A 1850						
69-05-15			402	500	A 543						
69-06-17			727	280	A 550						
69-07-24			619	210	A 351						
69-07-25			3180	40	A 343						
69-09-18			154	270	A 112						
70-04-23			236	290	A 185						
70-06-12			3930	5760	A 61100						
70-10-12			203	240	A 132						
71-05-23			10000	2270	A 61300						
71-06-03			5100	3300	A 45400						
71-07-09			1520	710	A 2910						
71-08-03			611	150	A 247						
71-11-03			2210	610	A 3640						
72-05-12			280	190	A 144						
73-04-16			3540	1640	A 15700						
73-10-29			2050	610	A 3380						
74-05-17			198	210	A 112						
74-06-27			210	130	A 74						
75-02-21			480	270	A 350						
75-04-17			375	240	A 243						
75-07-10			252	250	A 170						
76-06-15	0940		120	190	A 62						
76-07-14	0930		247	230	A 153						
76-08-10	1140		48	300	A 39						
79-04-19	0905		224	90	A 54						

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07180400 COTTONWOOD RIVER NEAR FLORENCE, KANS.



## ARKANSAS RIVER BASIN

07180500 CEDAR CREEK NEAR CEDAR POINT, KANS.

LOCATION.--Lat 38°11'55", long 96°49'22", in NE 1/4 SE 1/4 NE 1/4 sec.25, T.21 S., R.5 E., Chase County, Hydrologic Unit 11070202, on upstream end of right abutment of highway bridge, 4.0 mi (6.4 km) south of Cedar Point, and at mile 9.4 (15.1 km).

DRAINAGE AREA.--110 mi<sup>2</sup> (285 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-48, 1951-52, 1957-79.

REMARKS.--Bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-18			201	1100	A 597	45-02-09			25	200	A 13
40-04-29			96	900	A 233	45-02-14			24	100	A 6.5
40-05-08	0001		375	800	A 810	45-02-27			24	200	A 13
40-05-21			48	100	A 13	45-03-13			23	100	A 6.2
40-09-25			173	1800	A 841	45-03-30			41	1100	A 122
40-11-26			149	900	A 362	45-04-06			33	1600	A 143
41-01-22			81	400	A 87	45-04-11			674	1500	A 2730
41-02-04			57	500	A 77	45-04-20			101	200	A 55
41-03-11			53	300	A 43	45-04-26			177	400	A 191
41-06-08			1360	6200	A 22800	45-05-04			85	100	A 23
41-08-21			183	600	A 296	45-05-11			62	200	A 33
41-09-05			42	200	A 23	45-05-21			47	100	A 13
41-10-07			497	1000	A 1340	45-05-25			41	100	A 11
41-10-26			718	1100	A 2130	45-06-01			32	100	A 8.6
42-03-19			35	310	A 29	45-06-07			29	300	A 23
42-04-24			42	300	A 34	45-06-15			24	200	A 13
42-05-05			44	300	A 36	45-06-22			21	200	A 11
42-05-16			32	*	A 17	45-07-03			17	200	A 9.2
42-05-16	0001		32	200	A 17	45-07-10			25	300	A 20
42-08-03			106	1700	A 487	45-07-17			1190	3700	A 11900
43-06-15			23	300	A 19	45-07-27			90	700	A 170
43-09-10			3.0	100	A 0.81	45-08-03			14	200	A 7.6
43-10-23			201	1300	A 706	45-09-27			152	500	A 205
44-03-15			2247	4500	A 27300	45-10-05			57	200	A 31
44-03-23			132	300	A 107	46-01-11			52	500	A 70
44-04-19			70	300	A 57	46-05-17			1830	4100	A 20300
44-05-08			79	200	A 43	46-06-19			945	3900	A 9950
44-05-16			46	100	A 12	47-03-24			42	200	A 23
44-06-09			106	100	A 29	47-04-10			2240	2700	A 16300
44-07-03			18	200	A 9.7	47-05-26			66	200	A 36
44-07-12			48	800	A 104	47-06-23			61	100	A 16
44-07-20			14	100	A 3.8	48-07-20			1145	1300	A 4020
44-07-26			24	100	A 6.5	51-05-01			790	2000	A 4270
44-08-04			9.0	400	A 9.7	51-05-09			212	1300	A 744
44-08-28			23	400	A 25	51-05-28			65	200	A 35
44-09-11			10.0	400	A 11	51-06-07			557	1300	A 1960
44-09-18			7.0	400	A 7.6	51-06-26			76	200	A 41
44-09-27			7.0	400	A 7.6	51-07-18			94	200	A 51
44-10-02			940	2800	A 7110	51-08-09			824	1600	A 3560
44-10-18			10.0	500	A 13	52-03-10			713	1400	A 2700
44-10-24			8.0	300	A 6.5	52-04-10			96	500	A 130
44-10-30			8.0	300	A 6.5	52-04-22			495	900	A 1200
44-11-09			19	400	A 21	52-05-20			37	200	A 20
44-11-16			11	100	A 3.0	57-05-14			79	380	A 81
44-11-24			11	100	A 3.0	58-04-16			58	160	A 25
44-12-04			7340	1400	A 27700	58-05-14			32	120	A 10
44-12-05			436	600	A 706	58-07-16			4450	2030	A 24400
44-12-20			44	600	A 71	58-07-17			146	400	A 158
45-01-05			29	100	A 7.8	59-05-12			63	380	A 65
45-01-13			24	100	A 6.5	59-06-11			31	170	A 14
45-01-18			24	100	A 6.5	59-07-17			2390	1580	A 10200
45-01-26			21	100	A 5.7	59-10-20			46	260	A 32
45-02-01			18	200	A 9.7	60-03-27			107	180	A 52

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07180500 CEDAR CREEK NEAR CEDAR POINT, KANS.--CONTINUED

257

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
60-04-27			38	180	A	18	75-08-14		17	100	A	4.6
60-05-10			64	180	A	31	75-09-16		12	50	A	1.6
60-08-09			117	200	A	63	75-10-10		6.0	90	A	1.5
60-10-28			3300	2010	A	17900	75-11-19		8.0	140	A	3.0
60-11-18			36	70	A	6.8	75-12-09		8.0	110	A	2.4
60-12-14			43	100	A	12	76-01-28		6.0	30	A	0.49
61-05-26			110	120	A	36	76-02-25		5.0	20	A	0.27
61-06-13			38	110	A	11	76-04-01		5.0	50	A	0.68
61-09-14			131	170	A	60	76-05-12		41	40	A	4.4
61-10-25			34	80	A	7.3	76-06-14		20	140	A	7.6
61-11-30			54	20	A	2.9	76-07-13		23	120	A	7.5
61-12-27			71	110	A	21	76-08-09		6.0	80	A	1.3
62-01-29			232	160	A	100	76-11-10		2.0	180	A	0.97
62-02-26			53	30	A	4.3	77-02-08		11	70	A	2.1
62-03-26			59	120	A	19	77-03-01		15	20	A	0.81
62-06-25			58	270	A	42	77-04-19		18	70	A	3.4
62-07-10			638	900	A	1550	77-05-31		25	390	A	26
62-08-29			16	190	A	8.2	77-06-20	1300	4010	684	A	7410
62-10-19			29	120	A	9.4	77-10-05	1045	14	50	A	1.9
63-03-18			33	100	A	8.9	77-11-22	1550	31	80	A	6.7
64-05-25			46	300	A	37	79-03-21	1455	51	185		25
64-05-28			148	380	A	152	79-06-09	0815	463	308		385
65-03-19			46	300	A	37						
65-07-07			37	10	A	1.0						
65-09-21			2160	500	A	2920						
65-10-07			33	50	A	4.5						
66-02-10			45	270	A	33						
66-08-10			133	790	A	284						
67-06-21			1950	700	A	3690						
68-04-03			300	850	A	688						
68-11-15			192	170	A	88						
69-03-19			73	200	A	39						
69-04-16			63	140	A	24						
69-05-14			125	170	A	57						
69-06-18			99	150	A	40						
69-07-05			58	140	A	22						
69-09-17			47	300	A	38						
70-04-08			71	250	A	48						
70-05-13			35	160	A	15						
70-06-11			44	200	A	24						
70-07-07			31	140	A	12						
70-08-11			21	120	A	6.8						
70-09-15			23	80	A	5.0						
70-10-12			55	130	A	19						
70-11-17			17	110	A	5.0						
70-12-07			12	50	A	1.6						
71-01-31			22	110	A	6.5						
71-02-17			24	230	A	15						
71-04-06			25	10	A	0.67						
71-05-19			21	80	A	4.5						
71-05-24			356	140	A	135						
71-07-09			20	150	A	8.1						
71-08-03			11	90	A	2.7						
71-09-03			2.0	30	A	0.16						
71-10-07			2.0	20	A	0.11						
71-11-03			16	80	A	3.5						
72-02-07			8.0	40	A	0.86						
72-03-08			7.0	20	A	0.38						
72-04-04			6.0	80	A	1.3						
72-05-15			27	70	A	5.1						
72-06-05			11	30	A	0.89						
72-07-06			6.0	30	A	0.49						
72-07-07			8.0	40	A	0.86						
72-08-02			8.0	50	A	1.1						
72-08-30			4.0	30	A	0.32						
72-10-05			2.0	20	A	0.11						
72-11-29			11	70	A	2.1						
73-01-12			23	60	A	3.7						
73-04-16			401	230	A	249						
73-05-16			62	70	A	12						
73-06-19			24	140	A	9.1						
73-07-25			5.0	210	A	2.8						
73-08-21			7.0	30	A	0.57						
74-02-13			5.0	120	A	1.6						
74-03-15			5.0	110	A	1.5						
74-04-16			5.0	90	A	1.2						
74-05-30			41	140	A	15						
74-06-27			22	70	A	4.2						
74-07-25			7.0	80	A	1.5						
74-08-14			14	40	A	1.5						
74-09-19			10.0	10	A	0.27						
74-10-02			7.0	80	A	1.5						
74-11-18			26	50	A	3.5						
74-12-04			16	40	A	1.7						
75-01-16			30	140	A	11						
75-02-21			44	80	A	9.5						
75-03-27			887	170	A	407						
75-06-17			512	400	A	553						
75-07-10			41	130	A	14						

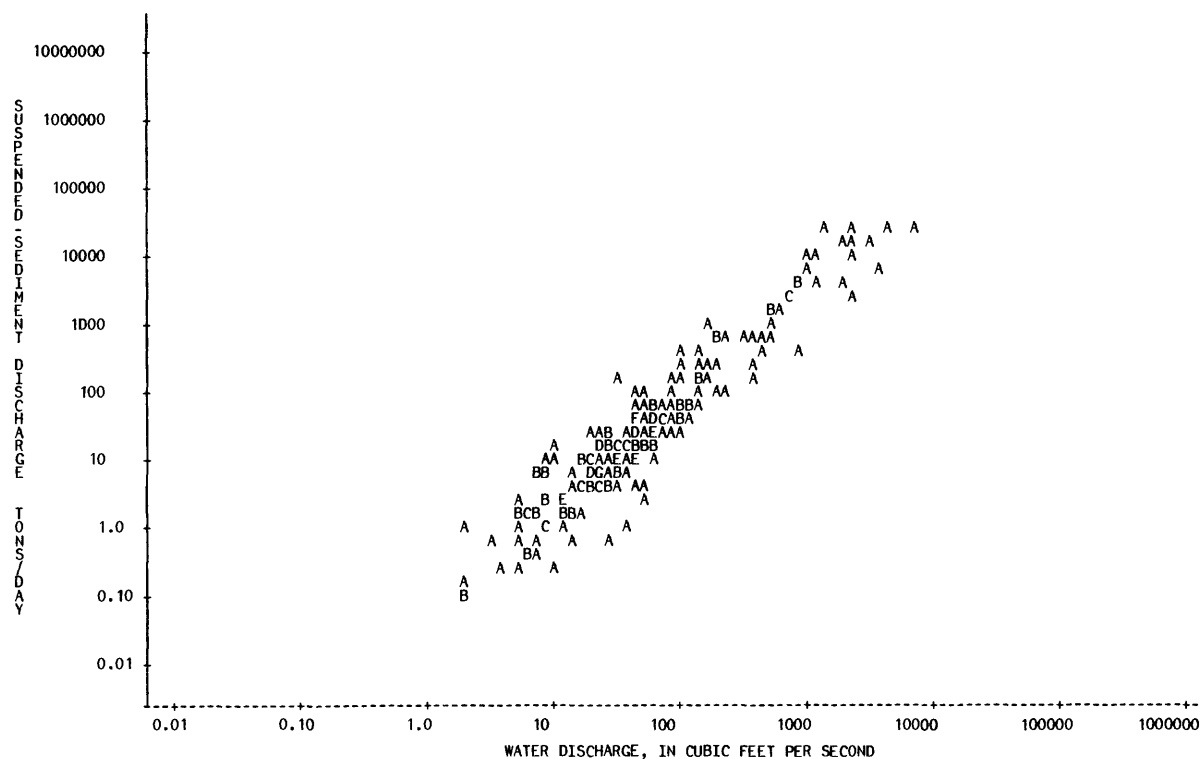
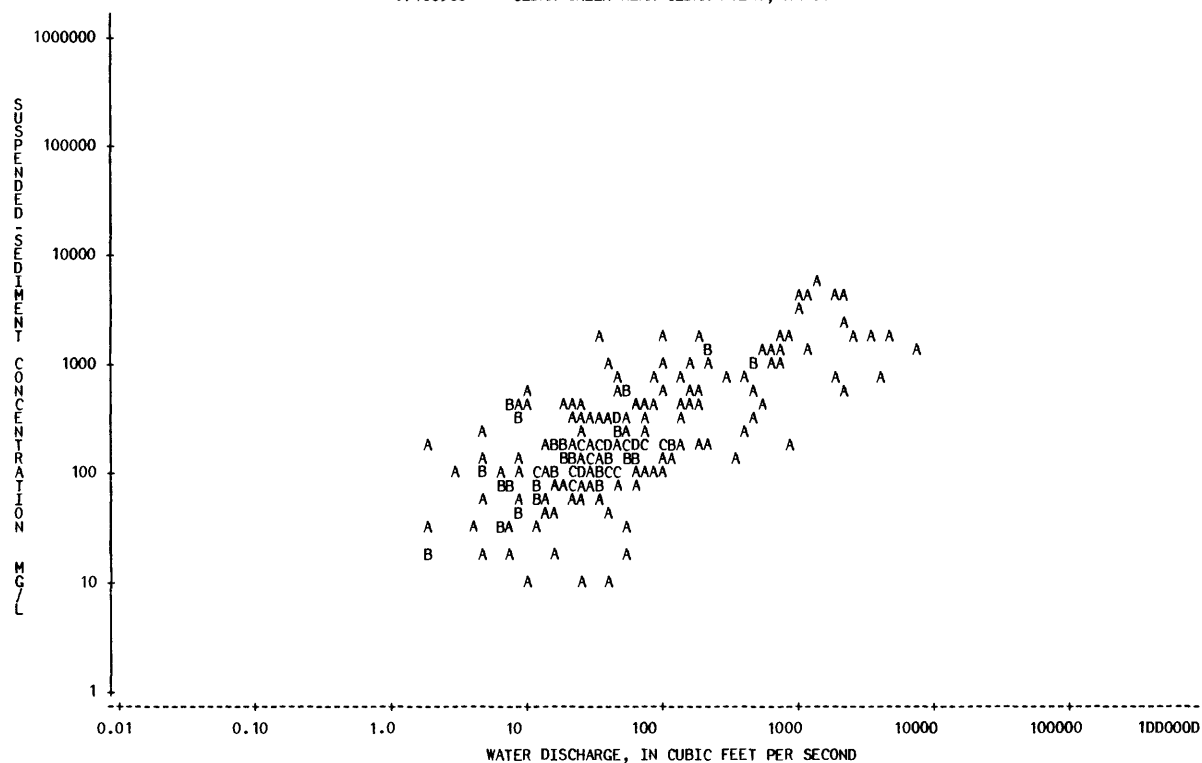
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07180500 CEDAR CREEK NEAR CEDAR POINT, KANS.



## ARKANSAS RIVER BASIN

07181500 MIDDLE CREEK NEAR ELMDALE, KANS.

LOCATION.--Lat 38°24', long 96°43', in SW 1/4 sec.13, T.19 S., R.6 E., Chase County, Hydrologic Unit 11070203, 4.0 mi (6.4 km) northwest of Elmdale, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--92 mi<sup>2</sup> (238 km<sup>2</sup>).

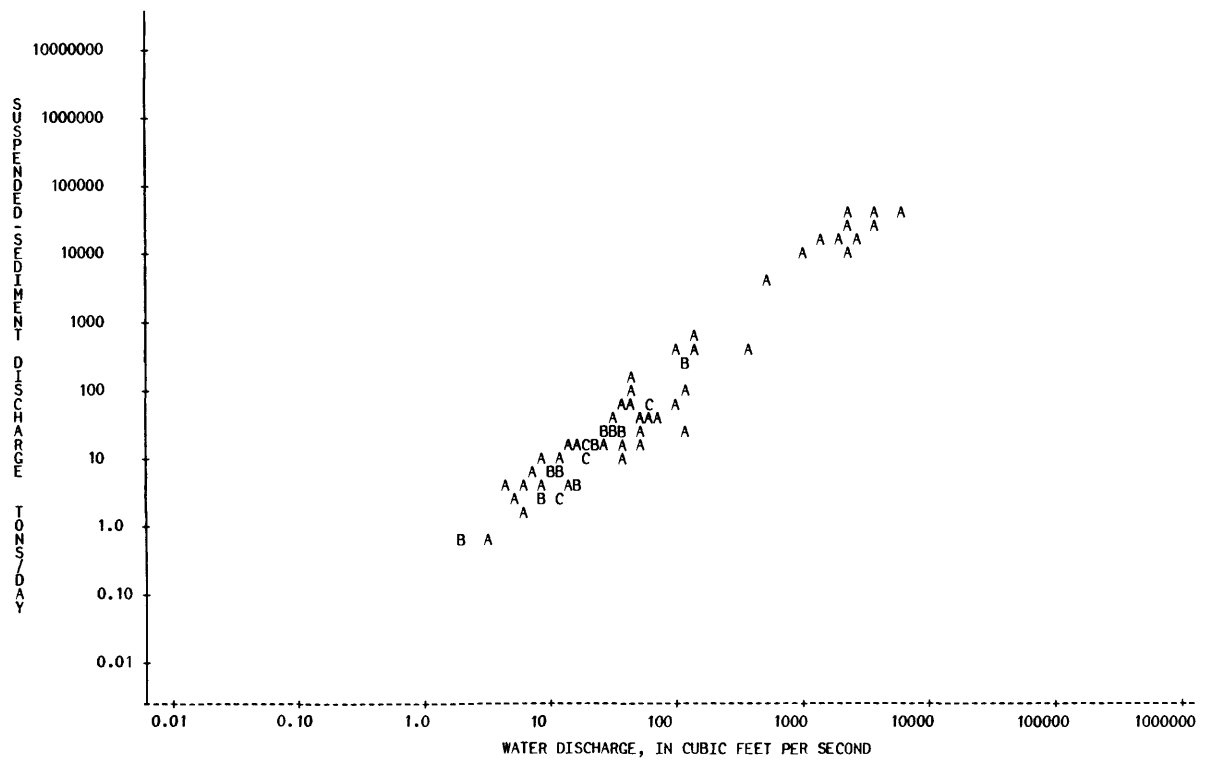
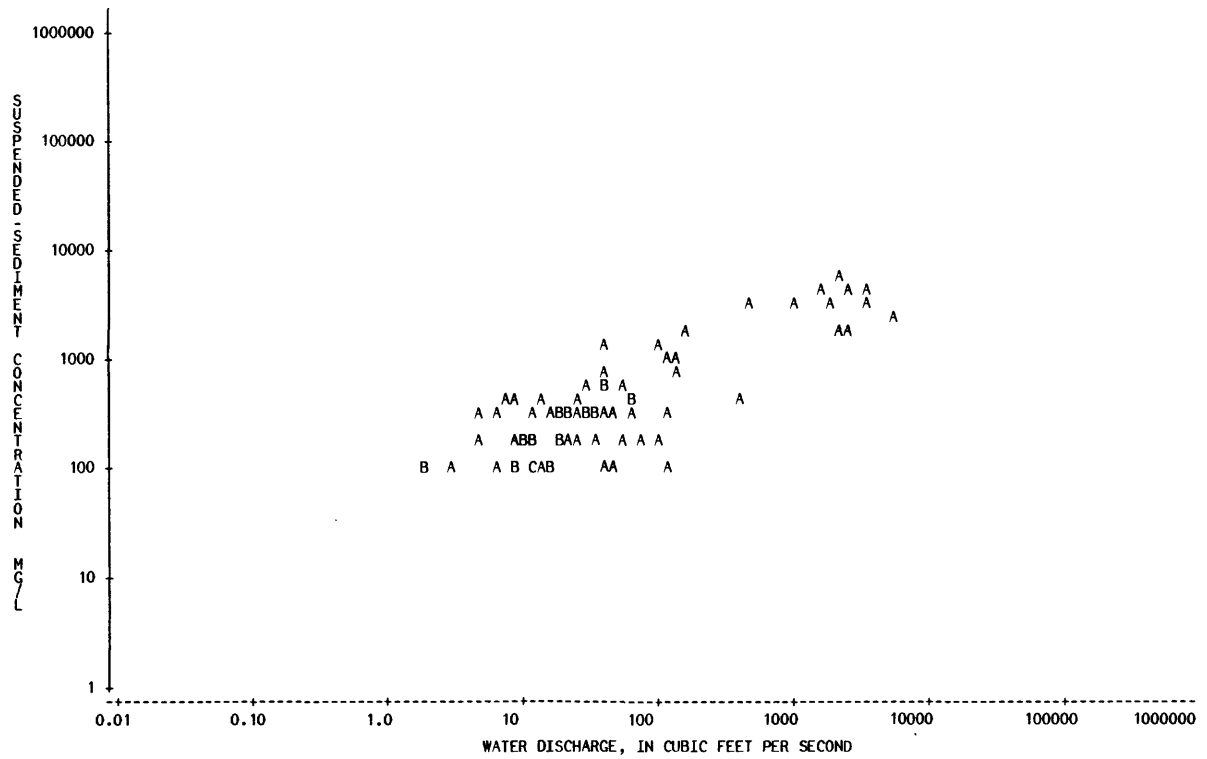
PERIOD OF RECORD.--1940-42, 1944-46.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-18			129	1000	A 348	45-03-07			28	300	A 23
40-05-18			58	500	A 78	45-03-30			27	400	A 29
40-05-21			41	1400	A 155	45-04-06			23	300	A 19
40-11-26			127	800	A 274	45-04-12			110	1000	A 297
40-11-28			11	300	A 8.9	45-04-24			8.0	400	A 8.6
41-01-22			103	200	A 56	45-05-04			6.9	400	A 7.5
41-03-11			126	300	A 102	45-05-11			4.5	300	A 3.6
41-06-01			495	2800	A 3740	45-05-21			30	300	A 24
41-06-08			3510	4400	A 41700	45-05-29			48	300	A 39
41-07-03			52	200	A 28	45-06-07			17	100	A 4.6
41-09-05			10.0	200	A 5.4	45-06-15			16	100	A 4.3
41-09-06			2600	1900	A 13300	45-06-22			13	100	A 3.5
41-10-06			11	100	A 3.0	45-07-04			11	100	A 3.0
41-11-14			50	100	A 13	45-07-10			9.0	100	A 2.4
42-03-18			38	600	A 62	45-07-21			12	100	A 3.2
42-05-06			36	300	A 29	45-07-27			43	800	A 93
42-05-15			38	300	A 31	45-08-13			6.0	100	A 1.6
42-06-24			2380	4800	A 30800	45-10-05			39	100	A 11
42-07-24			5.0	200	A 2.7	46-01-11			59	400	A 64
42-08-04			6.0	300	A 4.9	46-04-17			36	200	A 19
43-10-23			101	1400	A 382	46-06-19			1860	2900	A 14600
44-01-28			26	200	A 14	46-06-25			1500	4000	A 16200
44-03-15			1020	3500	A 9640						
44-03-22			2230	1700	A 10200						
44-04-19			117	100	A 32						
44-04-26			3620	3000	A 29300						
44-05-08			73	200	A 39						
44-05-16			43	500	A 58						
44-06-09			64	400	A 69						
44-08-28			13	400	A 14						
44-09-04			3.0	100	A 0.81						
44-09-18			2.0	100	A 0.54						
44-09-27			2.0	100	A 0.54						
44-09-28			150	1900	A 769						
44-10-02			2190	6100	A 36100						
44-10-10			21	200	A 11						
44-10-18			12	200	A 6.5						
44-10-24			8.0	100	A 2.2						
44-10-30			8.0	200	A 4.3						
44-11-09			18	200	A 9.7						
44-11-16			11	200	A 5.9						
44-11-24			10.0	200	A 5.4						
44-12-04			5860	2700	A 42700						
44-12-15			62	300	A 50						
44-12-28			32	300	A 26						
45-01-05			24	300	A 19						
45-01-13			21	300	A 17						
45-01-18			20	200	A 11						
45-01-26			19	300	A 15						
45-02-01			18	300	A 15						
45-02-09			400	400	A 432						
45-02-14			17	300	A 14						
45-02-27			31	500	A 42						

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07181500 MIDDLE CREEK NEAR ELM DALE, KANS.





## ARKANSAS RIVER BASIN

07182250 COTTONWOOD RIVER NEAR PLYMOUTH, KANS.

LOCATION.--Lat 38°23'51", long 96°21'21", In NE 1/4 NE 1/4 SE 1/4 sec.13, T.19 S., R.9 E., Chase County, Hydrologic Unit 11070203, at downstream side of county bridge, 0.8 mi (1.3 km) downstream from Buckeye Creek, 1.5 mi (2.4 km) southwest of Plymouth, and at mile 39.2 (63.1 km).

DRAINAGE AREA.--1,740 mi<sup>2</sup> (4,510 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1963-79.

REMARKS.--Flow partially regulated since 1968 by Marion Lake 87.3 mi (140.5 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-03-25			378	270	A	276	66-08-16			90	300	A	73
63-04-08			271	210	A	154	66-09-06			44	70	A	8.3
63-04-19			210	190	A	108	66-10-11			16	120	A	5.2
63-05-06			191	160	A	83	66-11-15			20	200	A	11
63-05-14			160	150	A	65	66-12-07			36	210	A	20
63-06-04			160	110	A	48	67-01-16			38	160	A	16
63-06-18			245	170	A	112	67-02-20			30	100	A	8.1
63-06-21			574	280	A	434	67-03-14			30	100	A	8.1
63-06-29			181	160	A	78	67-04-03			2340	3740	A	23600
63-07-11			4540	1870	A	22900	67-05-16			295	90	A	72
63-07-13			3690	3420	A	34100	67-06-05			60	60	A	9.7
63-07-15			5480	1150	A	17000	67-06-12			5020	1130	A	15300
63-07-16			1130	890	A	2720	67-06-14			3620	1830	A	17900
63-07-30			98	160	A	42	67-06-15			246	480	A	319
63-08-19			51	150	A	21	67-06-22			20400	2210	A	122000
63-09-27			47	140	A	18	67-07-11			39	190	A	20
63-10-29			66	50	A	8.9	67-07-19			490	250	A	331
63-11-20			72	110	A	21	67-08-14			200	270	A	146
63-12-16			52	140	A	20	67-09-07			700	640	A	1210
64-01-18			6850	1070	A	19800	68-01-16			269	80	A	58
64-01-20			61	90	A	15	68-02-08			265	80	A	57
64-02-19			56	60	A	9.1	68-03-01			182	80	A	39
64-03-30			54	90	A	13	68-04-01			186	220	A	110
64-04-30			536	750	A	1090	68-05-16			334	660	A	595
64-05-01			494	390	A	520	68-06-04			442	310	A	370
64-05-06	1445		1450	1700	*	6660	68-07-11			132	210	A	75
64-05-27			132	180	A	64	68-08-06			142	140	A	54
64-07-08			93	130	A	33	68-09-03			117	130	A	41
64-07-22			46	60	A	7.5	68-10-01			38	130	A	13
64-08-19			37	60	A	6.0	68-10-04			380	400	A	410
64-09-24			35	50	A	4.7	68-11-12			600	110	A	178
64-10-22			10.0	80	A	2.2	68-11-15			370	190	A	190
64-11-17			8400	1380	A	31300	68-11-17			760	380	A	780
64-11-18			6850	1070	A	19800	68-12-11			181	130	A	64
65-01-21			171	130	A	60	69-01-14			306	110	A	91
65-02-16			259	130	A	91	69-02-10			259	130	A	91
65-03-22			566	100	A	153	69-03-17			1080	330	A	962
65-04-27			466	190	A	239	69-04-14			577	190	A	296
65-05-25			229	130	A	80	69-05-01			2400	980	A	6350
65-06-03			8280	1680	A	37600	69-05-13			1070	250	A	722
65-06-06			21100	1010	A	57500	69-06-16			2040	540	A	2970
65-06-14			5300	1230	A	17600	69-06-27			15800	2640	A	113000
65-07-06			535	260	A	376	69-07-23			650	320	A	562
65-08-17			102	300	A	83	69-09-19			395	480	A	512
65-09-21			13000	1680	A	59000	69-10-09			188	260	A	132
65-10-05			510	340	A	468	69-11-13			365	1090	A	1070
65-11-01			223	200	A	120	69-12-01			251	120	A	81
65-12-14			179	130	A	63	70-01-13			279	120	A	90
66-01-06			323	120	A	105	70-02-05			238	40	A	26
66-02-08			349	100	A	94	70-03-13			194	120	A	63
66-03-23			242	160	A	105	70-04-28			824	310	A	690
66-04-12			639	660	A	1140	70-05-21			354	170	A	162

\*\*\*\*\*  
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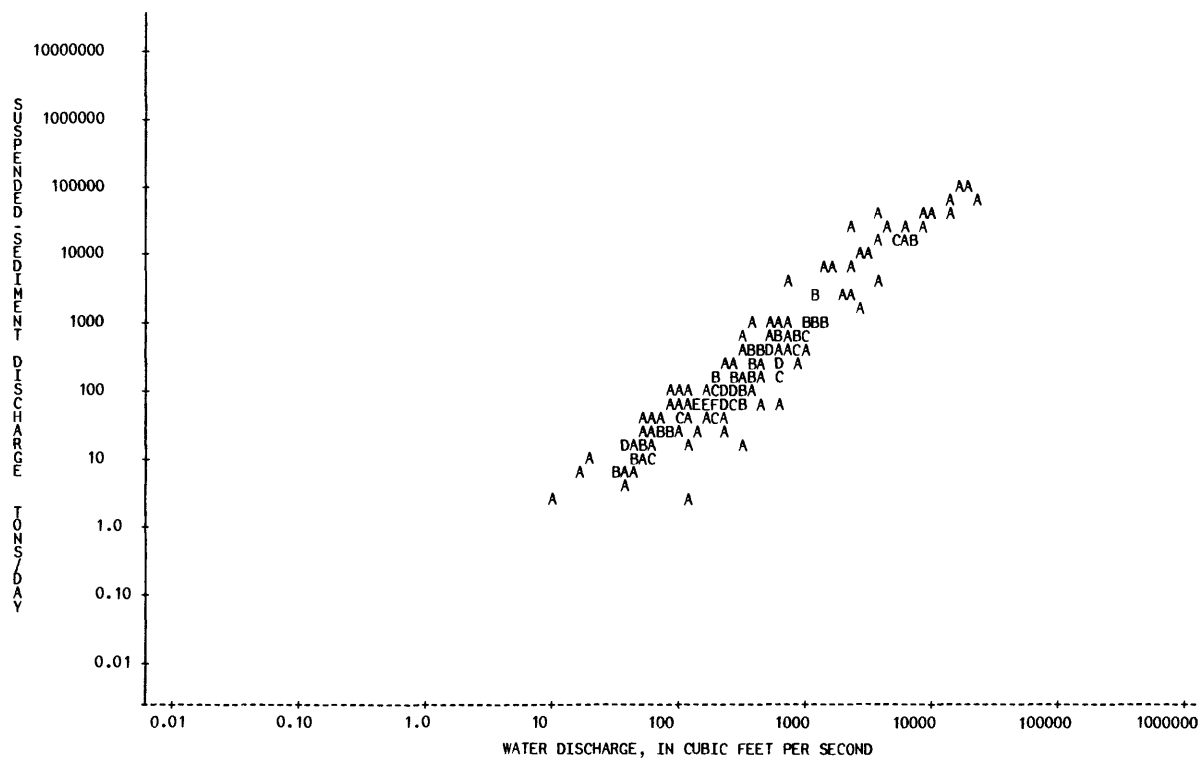
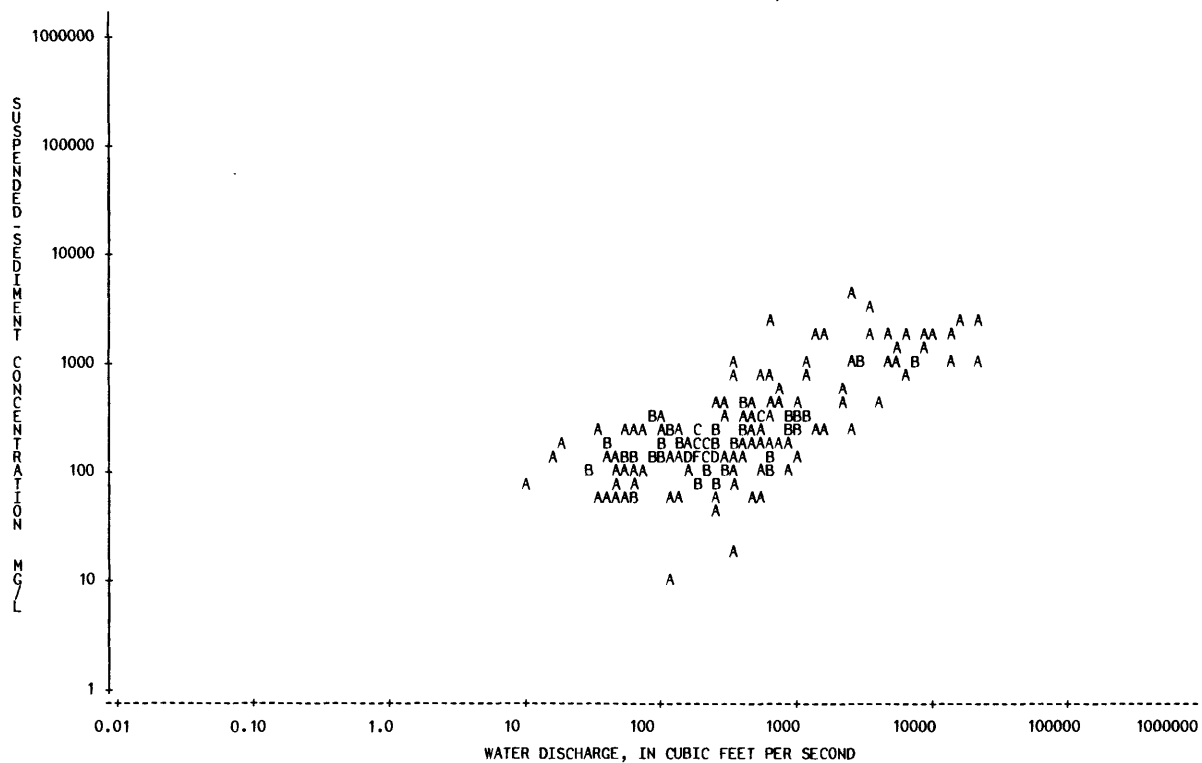
## ARKANSAS RIVER BASIN

07182250 COTTONWOOD RIVER NEAR PLYMOUTH, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-06-24			903	320	A 780						
70-07-13			647	160	A 280						
70-08-10			88	350	A 83						
70-09-14			64	210	A 36						
70-10-14			552	300	A 447						
70-11-16			256	210	A 145						
70-12-09			167	140	A 63						
71-01-13			230	110	A 68						
71-02-18			340	170	A 156						
71-03-10			846	180	A 411						
71-04-05			271	140	A 102						
71-05-04			218	120	A 71						
71-05-23	1545		9820	* 1860	49300						
71-07-09			2980	1140	A 9170						
71-08-04			977	230	A 607						
71-09-02			148	150	A 60						
71-10-04			80	140	A 30						
71-11-08			610	100	A 165						
72-01-11			332	20	A 18						
72-01-31			246	60	A 40						
72-03-08			189	70	A 36						
72-04-03			139	190	A 71						
72-05-11			974	420	A 1100						
72-06-06			225	200	A 121						
72-07-05			174	160	A 75						
72-07-13			1220	840	A 2770						
72-08-03			107	160	A 46						
72-08-31			170	190	A 87						
72-10-04			46	90	A 11						
72-11-08			60	70	A 11						
72-12-08			109	10	A 2.9						
73-02-21			735	170	A 337						
73-03-13			14600	960	A 37800						
73-03-29			3750	430	A 4350						
73-04-17			6190	810	A 13500						
73-05-17			821	220	A 488						
73-06-19			419	330	A 373						
73-08-21			208	90	A 51						
73-09-19			376	240	A 244						
73-10-29			1380	270	A 1010						
73-11-28			592	130	A 208						
74-01-22			2700	210	A 1530						
74-02-13			648	140	A 245						
74-03-14			1510	230	A 938						
74-04-17			66	150	A 27						
74-05-30			967	310	A 809						
74-06-20			1120	320	A 968						
74-07-26			121	250	A 82						
74-08-27			134	60	A 22						
74-09-20			187	120	A 61						
74-10-22			181	120	A 59						
74-11-19			568	50	A 77						
74-12-04			322	70	A 61						
75-01-16			850	110	A 252						
75-02-25			1050	150	A 425						
75-03-27			864	210	A 490						
75-04-09	1445		6290	1790	30400						
75-07-11			629	420	A 713						
75-08-15			306	450	A 372						
75-09-05			285	285	A 219						
75-09-16			177	150	A 72						
75-10-20			100	220	A 59						
75-11-18			109	240	A 71						
76-01-28			110	60	A 18						
76-02-25			100	120	A 32						
76-04-01			84	140	A 32						
76-05-13			1250	340	A 1150						
77-03-01			442	60	A 72						
77-04-20			70	230	A 43						
77-05-31			670	2170	A 3930						
77-06-01			2895	1090	A 8520						
77-07-14			2140	380	A 2200						
77-10-04	1830		217	130	A 76						
77-11-22	1100		428	120	A 139						
79-03-21	0940		1520	1690	6940						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07182250 COTTONWOOD RIVER NEAR PLYMOUTH, KANS.



## ARKANSAS RIVER BASIN

07182400 NEOSHO RIVER AT STRAWN, KANS.

LOCATION.--Lat 38°16', long 95°52', in SE 1/4 NE 1/4 sec.33, T.20 S., R.14 E., Coffey County, Hydrologic Unit 11070201, at bridge on State Highway 57 at Strawn, about 1.5 mi (2.4 km) downstream from Eagle Creek, and at mile 356.5 (573.6 km).

DRAINAGE AREA.--2,933 mi<sup>2</sup> (7,596 km<sup>2</sup>).

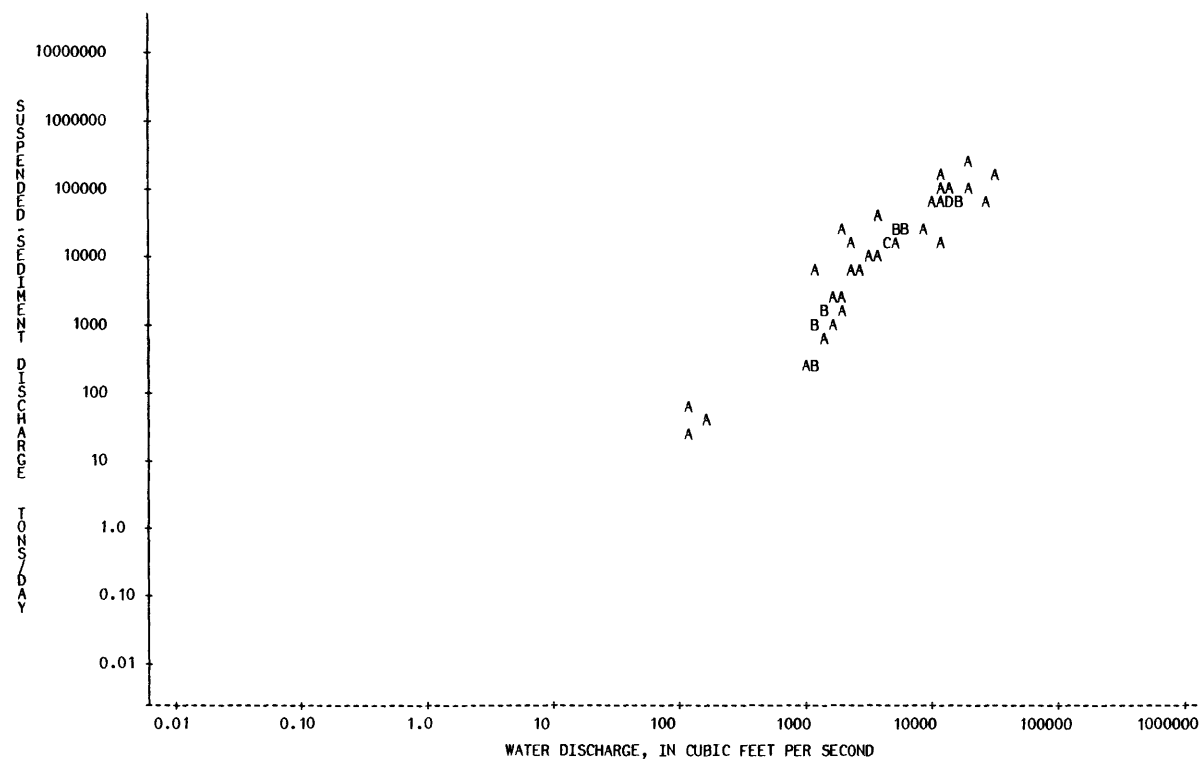
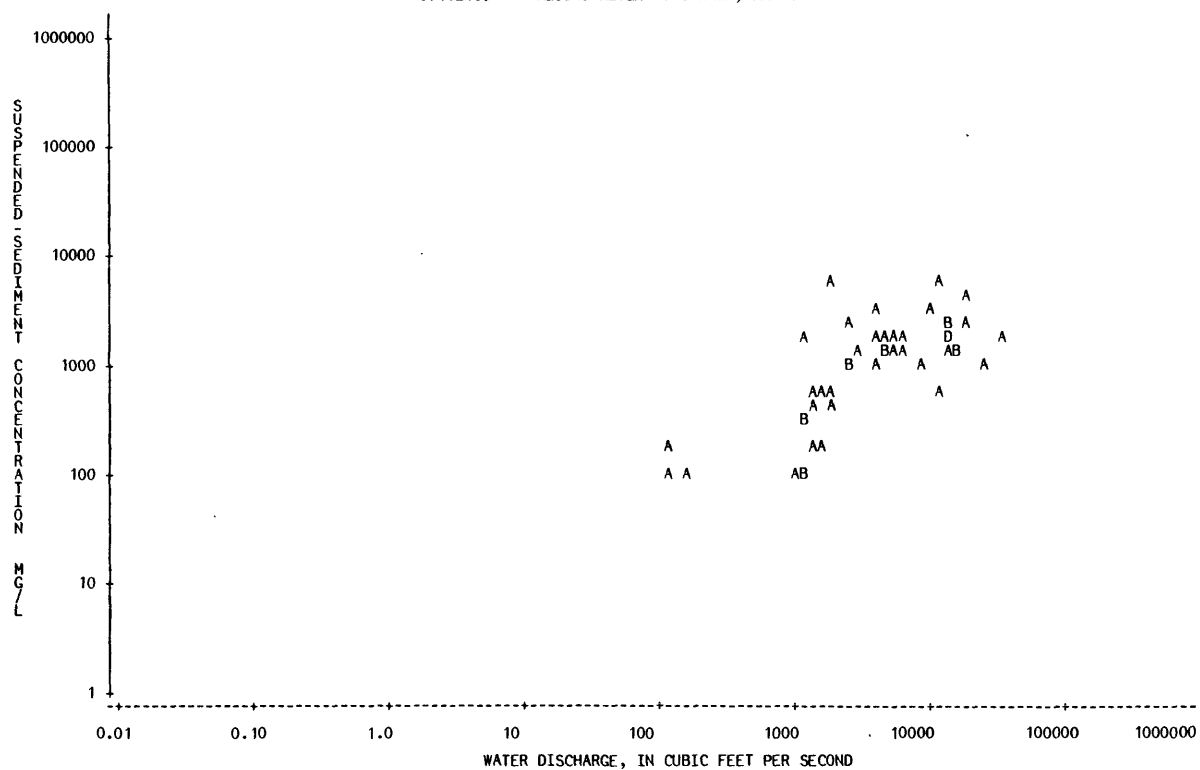
PERIOD OF RECORD.--Water years 1946, 1948-52, 1954-58, 1960-63.

REMARKS.--Station discontinued in 1963. Inundated by John Redmond Reservoir.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-06-20			12300	5800	A 193000						
46-06-21			19200	2200	A 114000						
48-10-27			112	200	A 60						
48-12-02			155	100	A 42						
49-01-03			113	100	A 31						
49-04-12			13700	1600	A 59200						
50-06-04			13500	2500	A 91100						
50-06-05			14700	1400	A 55600						
50-06-06			4720	1500	A 19100						
50-07-20			13100	1600	A 56600						
50-08-02			13200	1700	A 60600						
50-08-03			15700	1300	A 55100						
50-08-09			5250	1300	A 18400						
51-04-09			2510	1000	A 6780						
51-05-02			19200	4300	A 223000						
51-05-03			33700	1700	A 155000						
51-05-11			5010	1800	A 24300						
51-06-01			1380	400	A 1490						
51-06-25			12700	1800	A 61700						
51-07-19			4000	1000	A 10800						
51-08-03			1150	300	A 932						
51-09-06			25900	900	A 62900						
51-10-30			1830	400	A 1980						
51-11-14			3060	1300	A 10700						
52-03-11			12800	2500	A 86400						
52-03-27			1010	100	A 273						
52-04-08			1200	300	A 972						
52-04-21			6050	1400	A 22900						
54-06-17			3700	3400	A 34000						
55-06-27			1840	5600	A 27800						
56-05-09			2430	2500	A 16400						
57-04-04			4240	1600	A 18300						
57-05-16			6360	1700	A 29200						
57-06-13			5210	1700	A 23900						
58-04-11			1690	200	A 913						
58-05-08			4610	1200	A 14900						
60-04-13			1420	200	A 767						
60-06-20			1220	1700	A 5600						
61-06-05			2450	900	A 5950						
61-07-25			9220	900	A 22400						
61-11-30			1200	100	A 324						
62-01-30			12000	600	A 19400						
62-02-27			1100	100	A 297						
62-03-27			1880	600	A 3050						
62-06-01			10100	2800	A 76400						
62-06-26			1590	600	A 2580						
62-09-24			16900	1200	A 54800						
62-11-28			1410	500	A 1900						

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07182400 NEOSHO RIVER AT STRAWN, KANS.



## ARKANSAS RIVER BASIN

07182450 JOHN REDMOND RESERVOIR NEAR BURLINGTON, KANS.

LOCATION.--Lat 38°14'15", long 95°46'05", in SE 1/4 SE 1/4 NW 1/4 sec.9, T.21 S., R.15 E., Coffey County, Hydrologic Unit 11070204, on the dam on Neosho River, 3,300 ft (1,000 m) southwest of spillway, 3.0 mi (4.8 km) north of Burlington, and at mile 343.7 (553.0 km).

DRAINAGE AREA.--3,015 mi<sup>2</sup> (7,809 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1965-76.

REMARKS.--Reservoir filling began September 1963. Regulated storage began September 1964. Suspended-sediment samples collected at lake outflow.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-06-01			300	140	A 113	66-04-11			200	110	A 59
65-06-02			300	90	A 73	66-04-18			2500	130	A 878
65-06-07			12300	200	A 6640	66-04-25			700	70	A 132
65-06-08			11500	330	A 10200	66-05-01			720	70	A 136
65-06-09			3550	440	A 4220	66-05-09			410	140	A 155
65-06-10			9900	380	A 10200	66-05-16			815	130	A 286
65-06-11			11400	210	A 6460	66-05-31			135	1050	A 383
65-06-12			10800	200	A 5830	66-06-06			200	70	A 38
65-06-13			10800	150	A 4370	66-06-13			2400	140	A 907
65-06-15			10800	150	A 4370	66-06-20			200	80	A 43
65-06-16			10900	130	A 3830	66-06-27			100	90	A 24
65-06-17			11000	140	A 4160	66-07-05			80	50	A 11
65-06-19			10800	140	A 4080	66-07-25			80	70	A 15
65-06-22			10000	120	A 3240	66-08-01			80	50	A 11
65-06-25			10800	110	A 3210	66-08-08			80	60	A 13
65-06-28			5000	90	A 1220	66-08-12			150	80	A 32
65-06-30			11000	90	A 2670	66-08-16			690	40	A 75
65-07-06			9500	80	A 2050	66-08-18			690	50	A 93
65-07-09			8700	110	A 2580	66-08-22			150	60	A 24
65-07-13			4700	110	A 1400	66-08-29			40	40	A 4.3
65-07-19			2000	80	A 432	66-09-19			45	50	A 6.1
65-07-26			500	70	A 94	66-09-26			45	70	A 8.5
65-08-02			150	70	A 28	66-10-03			50	80	A 11
65-08-09			60	110	A 18	66-10-10			40	40	A 4.3
65-08-16			50	90	A 12	66-10-17			40	2040	A 220
65-08-20			500	130	A 175	66-10-24			35	50	A 4.7
65-08-25			125	210	A 71	66-10-31			35	80	A 7.6
65-08-30			50	190	A 26	66-11-06			35	140	A 13
65-09-07			800	150	A 324	66-11-14			40	60	A 6.5
65-09-13			1800	160	A 778	66-11-21			40	50	A 5.4
65-09-22			7800	150	A 3160	66-11-28			40	360	A 39
65-09-24			10300	300	A 8340	66-12-19			30	20	A 1.6
65-09-27			11400	320	A 9850	66-12-26			30	30	A 2.4
65-09-28	0001		10500	320	A 9070	67-01-03			20	30	A 1.6
65-09-28	0002		10500	240	A 6800	67-01-23			30	30	A 2.4
65-09-30			9500	230	A 5900	67-01-30			30	540	A 44
65-10-01			9000	170	A 4130	67-02-04			25	260	A 18
65-10-11			520	160	A 225	67-02-06			25	20	A 1.3
65-10-18			500	120	A 162	67-02-27			25	80	A 5.4
65-10-25			485	110	A 144	67-03-06			25	30	A 2.0
65-11-01			250	130	A 88	67-03-13			25	30	A 2.0
65-11-15			250	150	A 101	67-03-20			25	10	A 0.67
65-11-22			250	230	A 155	67-03-27			25	80	A 5.4
65-11-29			250	490	A 331	67-04-05			1500	280	A 1130
65-12-06			190	210	A 108	67-04-10			780	150	A 316
65-12-13			190	230	A 118	67-04-17			780	100	A 211
66-01-03			1320	130	A 463	67-04-24			175	50	A 24
66-01-10			550	170	A 252	67-05-07			40	70	A 7.6
66-01-17			300	110	A 89	67-05-15			50	60	A 8.1
66-01-31			270	90	A 66	67-05-22			40	80	A 8.6
66-02-21			490	100	A 132	67-05-29			40	110	A 12
66-03-07			330	130	A 116	67-06-05			30	40	A 3.2
66-03-21			125	100	A 34	67-06-12			1000	40	A 108

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07182450 JOHN REDMOND RESERVOIR NEAR BURLINGTON, KANS.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-06-28			10000	160	A 4320	69-02-17			500	60	A 81
67-07-03			10500	120	A 3400	69-02-24			500	60	A 81
67-07-09			10900	90	A 2650	69-03-03			3000	120	A 972
67-07-10			11500	90	A 2790	69-03-10			1000	120	A 324
67-07-11			11300	90	A 2750	69-03-17			600	40	A 65
67-07-12			11000	100	A 2970	69-03-24			1400	130	A 491
67-07-13			11000	80	A 2380	69-04-01			5900	70	A 1120
67-07-14			12100	100	A 3270	69-04-14			1000	90	A 243
67-07-17			11000	90	A 2670	69-04-21			5000	70	A 945
67-07-18			11000	80	A 2380	69-04-28			20	360	A 19
67-07-19			10000	60	A 1620	69-05-01			10000	100	A 2700
67-07-20			8500	50	A 1150	69-05-02			11000	240	A 7130
67-07-21			6200	60	A 1000	69-05-05			11500	180	A 5590
67-07-22			3300	110	A 980	69-05-07			12000	150	A 4860
67-07-23			3100	70	A 586	69-05-09			10000	140	A 3780
67-07-24			3000	100	A 810	69-05-10			12000	140	A 4540
67-07-31			2300	90	A 559	69-05-18			2000	60	A 324
67-08-07			500	70	A 94	69-06-02			200	170	A 92
67-08-14			400	90	A 97	69-06-09			4000	130	A 1400
67-08-21			100	80	A 22	69-06-16			3500	130	A 1230
67-08-28			120	70	A 23	69-06-20			2500	80	A 540
67-09-05			100	70	A 19	69-06-23			2500	110	A 743
67-09-11			1000	50	A 135	69-06-30			10000	400	A 10800
67-09-18			400	40	A 43	69-07-04			3000	200	A 1620
67-09-25			4700	50	A 635	69-07-07			4000	140	A 1510
67-10-02			900	100	A 243	69-07-09			12000	130	A 4210
67-10-11			12000	190	A 6160	69-07-10			11300	140	A 4270
67-10-14			12000	110	A 3560	69-07-14			11000	90	A 2670
67-10-15			11900	240	A 7710	69-07-16			11000	80	A 2380
67-10-16			10500	230	A 6520	69-07-17			11400	80	A 2460
67-10-17			10500	170	A 4820	69-07-18			11000	70	A 2080
67-11-07			2200	20	A 119	69-07-19			10400	70	A 1970
67-11-13			900	30	A 73	69-07-21			6000	90	A 1460
67-11-20			800	80	A 173	69-07-27			8200	100	A 2210
67-11-27			800	20	A 43	69-08-01			300	120	A 97
67-11-30			400	200	A 216	69-08-04			2800	60	A 454
67-12-05			900	40	A 97	69-08-08			10200	150	A 4130
67-12-11			480	40	A 52	69-08-11			11100	80	A 2400
67-12-18			400	200	A 216	69-08-15			11200	120	A 3630
67-12-26			820	80	A 177	69-08-18			11000	60	A 1780
68-01-02			680	70	A 129	69-08-22			9200	120	A 2980
68-01-08			510	60	A 83	69-08-25			5000	70	A 945
68-01-15			500	90	A 121	69-08-29			9500	230	A 5900
68-01-22			400	20	A 22	69-09-02			400	90	A 97
68-01-29			690	50	A 93	69-09-05			200	50	A 27
68-02-05			400	90	A 97	69-09-22			2500	70	A 473
68-02-15			140	10	A 3.8	69-09-26			1000	40	A 108
68-02-26			325	120	A 105	69-09-29			1000	80	A 216
68-03-10			130	40	A 14	69-10-13			150	160	A 65
68-03-18			225	120	A 73	69-10-20			5550	110	A 1650
68-03-25			250	80	A 54	69-10-27			1000	90	A 243
68-04-01			125	200	A 67	69-11-03			3500	70	A 662
68-04-08			2350	200	A 1270	69-11-10			750	50	A 101
68-04-22			750	110	A 223	69-11-17			800	100	A 216
68-04-29			2000	90	A 486	69-11-24			500	40	A 54
68-05-06			600	90	A 146	69-12-01			500	30	A 40
68-05-13			500	70	A 94	69-12-08			470	40	A 51
68-05-20			200	70	A 38	69-12-15			1600	30	A 130
68-05-27			10.0	30	A 0.81	69-12-28			1200	20	A 65
68-06-03			4700	80	A 1020	69-12-29			1200	40	A 130
68-06-10			450	90	A 109	70-01-12			1750	10	A 47
68-06-17			1510	50	A 204	70-01-19			2400	30	A 194
68-06-24			1250	100	A 338	70-01-26			1250	40	A 135
68-07-08			100	70	A 19	70-02-01			850	40	A 92
68-07-15			100	60	A 16	70-02-09			250	20	A 13
68-07-22			100	30	A 8.1	70-02-10			250	20	A 13
68-07-29			100	110	A 30	70-02-17			250	60	A 40
68-08-05			8000	100	A 2160	70-02-23			375	30	A 30
68-08-12			200	120	A 65	70-03-09			400	60	A 65
68-08-19			100	140	A 38	70-03-16			400	30	A 32
68-08-26			100	110	A 30	70-03-21			300	20	A 16
68-09-09			190	110	A 56	70-03-23			300	80	A 65
68-09-16			80	90	A 19	70-03-30			200	70	A 38
68-09-23			40	90	A 9.7	70-04-06			5000	70	A 945
68-10-21			8300	180	A 4030	70-04-12			3900	1090	A 11500
68-10-28			1200	270	A 875	70-04-20			100	150	A 40
68-11-04			750	160	A 324	70-04-27			9800	160	A 4230
68-11-18			3500	120	A 1130	70-05-04			250	110	A 74
68-11-25			700	50	A 94	70-05-11			5500	110	A 1630
68-12-02			600	50	A 81	70-05-25			100	60	A 16
68-12-08			500	50	A 67	70-06-01			500	50	A 67
68-12-16			500	50	A 67	70-06-09			7700	80	A 1660
68-12-23			1500	210	A 851	70-06-15			7800	160	A 3370
69-01-06			780	110	A 232	70-06-26			8000	190	A 4100
69-01-12			690	70	A 130	70-06-29			50	110	A 15
69-01-20			980	60	A 159	70-07-06			600	120	A 194
69-01-27			620	90	A 151	70-07-15			300	50	A 40
69-02-03			500	90	A 121	70-07-20			300	70	A 57
69-02-10			1000	90	A 243	70-07-27			200	30	A 16

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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## 07182450 JOHN REDMOND RESERVOIR NEAR BURLINGTON, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-08-03			150	40	A	73-04-13			8100	70	A
70-08-10			75	30	A	73-04-19			8200	60	A
70-08-17			75	50	A	73-04-23			2000	40	A
70-08-24			75	40	A	73-07-23			533	60	A
70-08-31			50	80	A	73-08-23			450	130	A
70-10-12			5800	90	A	73-10-02			12800	160	A
70-10-26			500	90	A	73-10-03			12600	150	A
70-11-02			500	90	A	73-10-04			12500	160	A
70-11-08			250	110	A	73-10-09			12200	150	A
70-11-16			250	110	A	73-10-10			12100	150	A
70-11-23			350	120	A	73-10-14			11100	150	A
70-12-07			200	70	A	73-10-15			12200	120	A
70-12-13			900	80	A	73-10-16			12700	120	A
71-01-25			500	10	A	73-10-17			13400	100	A
71-02-01			490	10	A	73-10-18			13300	110	A
71-02-08			490	40	A	73-10-19			13100	120	A
71-02-16			490	100	A	73-10-20			13000	110	A
71-02-23			2000	150	A	73-10-21			13100	110	A
71-03-01			2000	150	A	73-10-22			13100	130	A
71-03-15			1000	210	A	73-10-24			12900	90	A
71-03-22			500	290	A	73-10-25			12900	70	A
71-04-05			250	170	A	73-10-26			12800	120	A
71-04-12			150	230	A	73-10-29			10500	50	A
71-04-19			75	110	A	73-10-31			13100	30	A
71-04-26			340	990	A	73-11-01			13000	20	A
71-05-03			100	60	A	73-11-02			12900	10	A
71-05-10			100	160	A	73-11-05			13400	10	A
71-05-17			100	90	A	73-11-07			12800	10	A
71-05-27			8000	80	A	73-11-08			12600	10	A
71-05-28			7900	80	A	73-11-13			10700	10	A
71-05-29			7000	90	A	73-11-15			6750	20	A
71-05-30			6800	90	A	73-12-03			1980	30	A
71-05-31			6400	110	A	73-12-10			3920	30	A
71-06-05			10100	230	A	73-12-26			4670	10	A
71-06-06			11000	250	A	74-01-03			2110	50	A
71-06-07			6000	250	A	74-01-21			5770	30	A
71-06-08			8000	70	A	74-01-28			4930	10	A
71-06-09			8000	70	A	74-02-04			1360	500	A
71-06-10			8000	80	A	74-02-06			29	60	A
71-06-13			6800	20	A	74-02-08			1080	60	A
71-06-14			9000	10	A	74-02-10			1180	60	A
71-06-15			9000	10	A	74-02-26			12600	80	A
71-06-16			11000	10	A	74-03-04			950	140	A
71-06-17			12000	10	A	74-03-18			860	120	A
71-06-18			11800	40	A	74-03-24			850	120	A
71-06-19			12000	20	A	74-03-27			5780	70	A
71-06-20			12000	20	A	74-04-01			2700	120	A
71-06-21			11500	30	A	74-04-08			500	250	A
71-06-22			11100	60	A	74-04-15			500	220	A
71-06-23			10500	60	A	74-04-22			500	60	A
71-06-26			11000	40	A	74-04-23			5890	150	A
71-06-27			10900	20	A	74-04-24			9500	150	A
71-06-28			10800	30	A	74-04-25			9700	180	A
71-06-29			2100	50	A	74-04-26			9600	210	A
71-07-12			9300	10	A	74-04-29			6200	180	A
71-09-13			30	50	A	74-05-06			1450	130	A
71-09-21			30	60	A	74-05-17			5900	50	A
71-10-14			30	70	A	74-06-17			5100	120	A
71-10-21			30	130	A	74-06-24			4200	70	A
71-10-28			30	90	A	74-10-08			185	70	A
71-12-20	0001		3500	90	A	74-10-16			185	100	A
71-12-20	0002		3500	40	A	75-01-27			2250	110	A
72-01-03			700	50	A	75-02-26			12600	80	A
72-01-10			700	40	A	75-03-03			2640	20	A
72-01-17			275	50	A	75-03-17			3000	70	A
72-01-31			760	60	A	75-03-24			1360	1110	A
72-02-07			200	60	A	75-04-14			3440	110	A
72-02-14			325	80	A	75-05-05			1180	170	A
72-02-22			160	120	A	75-05-12			565	160	A
72-02-28			325	190	A	75-05-19			400	280	A
72-03-06			170	130	A	75-05-27			625	180	A
72-03-13			220	90	A	75-06-25			9800	120	A
72-03-27			70	140	A	75-06-26			11100	130	A
72-04-17			200	90	A	75-06-27			11700	120	A
72-05-01			1000	80	A	75-07-28			400	80	A
72-05-08			10200	170	A	75-08-04			210	90	A
72-05-22			1000	100	A	75-09-01			690	50	A
72-07-10			450	40	A	75-09-08			450	70	A
72-07-17			6400	100	A	75-09-15			450	100	A
72-08-21			480	40	A	75-09-22			225	120	A
72-12-18			200	80	A	75-12-08			1880	50	A
73-01-22			200	260	A	76-03-01			50	40	A
73-02-05			10000	240	A	76-03-08			50	60	A
73-04-03			11000	70	A	76-03-22			50	90	A
73-04-05			12800	110	A	76-03-29			50	20	A
73-04-06			12600	100	A	76-03-31			50	170	A
73-04-08			12100	240	A	76-04-05			50	160	A
73-04-10			8500	150	A	76-04-12			50	110	A
73-04-11			8400	70	A	76-05-01			8600	60	A

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



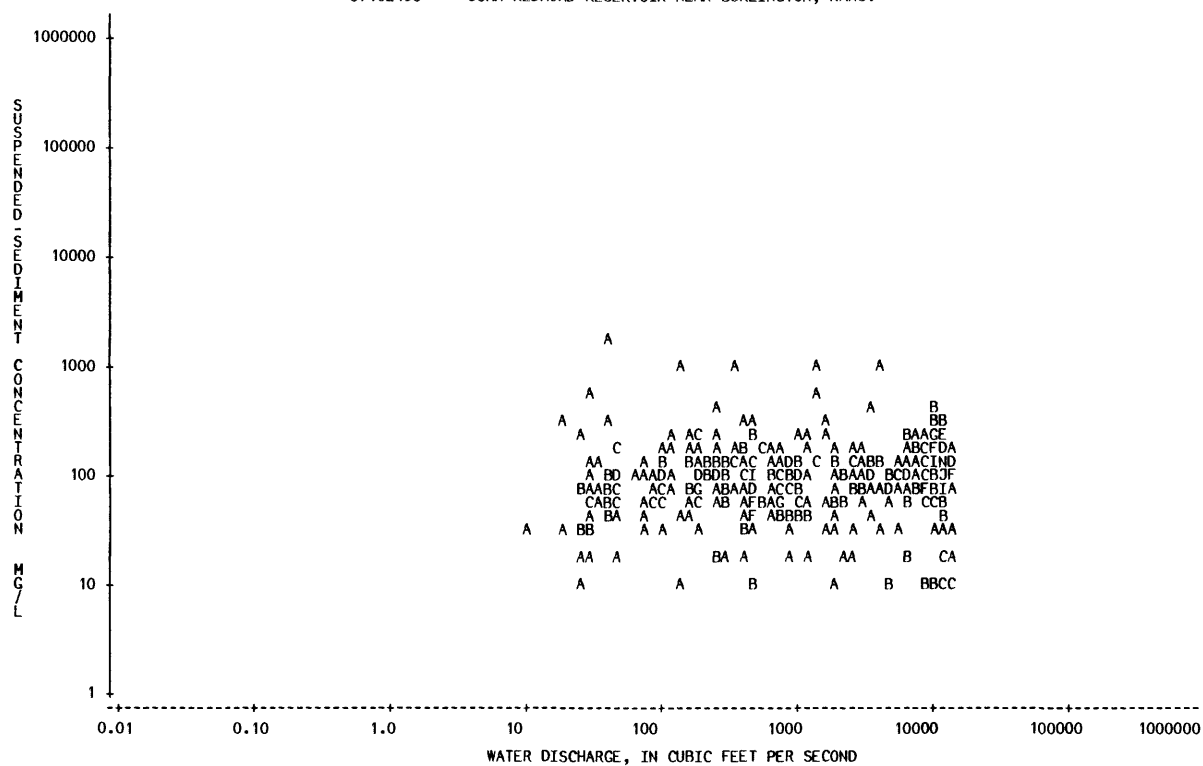
ARKANSAS RIVER BASIN

07182450 JOHN REDMOND RESERVOIR NEAR BURLINGTON, KANS.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-05-03			8700	260	A 6110						
76-05-04			8200	140	A 3100						
76-05-05			7800	260	A 5480						
76-05-06			7400	190	A 3800						
76-05-07			6400	270	A 4670						
76-05-10			3350	100	A 905						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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## ARKANSAS RIVER BASIN

07182510 NEOSHO RIVER AT BURLINGTON, KANS.

LOCATION.--Lat 38°11'40", long 95°44'10", in SE 1/4 NW 1/4 sec.26, T.21 S., R.15 E., Coffey County, Hydrologic Unit 11070204, at downstream side of highway bridge at Burlington, 0.3 mi (0.5 km) upstream from Rock Creek, and at mile 338.4 (554.5 km). Records include flow of Rock Creek.

DRAINAGE AREA.--3,042 mi<sup>2</sup> (7,879 km<sup>2</sup>), includes that of Rock Creek.

PERIOD OF RECORD.--Water years 1944-45, 1961-78, 1980.

REMARKS.--Flow completely regulated since 1963 by John Redmond Reservoir 5.3 mi (8.5 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		
44-05-05	1610		16200	*	2500	109000	66-02-28		309	10	A	8.3	
44-12-06	1745		56900	*	2000	307000	66-04-04		261	140	A	99	
61-07-25			9500		980	A	25100	66-05-09		357	160	A	154
61-08-29			297		120	A	96	66-06-14		471	210	A	267
61-09-15			13200		1430	A	51000	66-07-19		62	40	A	6.7
61-10-23			847		570	A	1300	66-08-27		131	110	A	39
61-11-06			4650		600	A	7530	66-09-26		42	40	A	4.5
61-11-07			2270		460	A	2820	66-10-31		44	20	A	2.4
61-11-30			1230		50	A	166	66-12-05		31	70	A	5.9
61-12-28			952		100	A	257	67-01-06		16	50	A	2.2
62-02-27			1110		80	A	240	67-01-30		26	20	A	1.4
62-03-23			12900		2080	A	72400	67-02-20		23	170	A	11
62-03-27			1810		450	A	2200	67-02-27		22	20	A	1.2
62-05-01			450		160	A	194	67-03-27		26	30	A	2.1
62-05-02			556		140	A	210	67-04-24		133	70	A	25
62-06-01			15000		2180	A	88300	67-05-29		52	70	A	9.8
62-06-26			1500		230	A	932	67-06-19		3220	80	A	696
62-07-30			583		180	A	283	67-06-26		3670	220	A	2180
62-08-27			402		210	A	228	67-07-05		7600	300	A	6160
62-09-24			18000		1230	A	59800	67-07-31		2050	100	A	554
62-09-28			23200		800	A	50100	67-08-28		136	20	A	7.3
62-11-02			630		250	A	425	67-12-04		450	40	A	49
62-11-28			1360		180	A	661	68-01-10		440	10	A	12
63-01-02			399		330	A	356	68-02-07		386	20	A	21
63-01-28			316		300	A	256	68-03-11		185	70	A	35
63-02-25			315		150	A	128	68-04-06		2670	170	A	1230
63-03-25			607		180	A	295	68-04-11		167	90	A	41
63-04-22			309		140	A	117	68-04-15		209	140	A	79
63-05-20			195		250	A	132	68-05-09		614	100	A	166
63-06-29			489		280	A	370	68-06-14		837	180	A	407
63-07-30			90		90	A	22	68-07-10		138	140	A	52
63-10-07			28		80	A	6.0	68-08-19		149	130	A	52
63-12-03			84		40	A	9.1	68-10-03		66	60	A	11
64-01-28			77		80	A	17	68-10-23		2700	310	A	2260
64-03-02			76		50	A	10	68-12-18		335	50	A	45
64-04-06			90		50	A	12	69-06-09		4050	150	A	1640
64-05-05			693		270	A	505	69-07-07		6240	160	A	2700
64-06-01			617		80	A	133	69-07-28		9090	70	A	1720
64-07-07			203		150	A	82	69-08-21		377	70	A	71
64-08-03			89		60	A	14	69-10-13		99	160	A	43
64-09-29			30		40	A	3.2	69-12-01		414	90	A	101
64-10-26			38		40	A	4.1	70-01-05		510	30	A	41
64-11-30			484		80	A	105	70-02-02		863	50	A	117
64-12-28			280		150	A	113	70-03-05		321	50	A	43
65-01-25			227		90	A	55	70-04-08		2320	150	A	940
65-03-23			1030		70	A	195	70-05-12		5420	200	A	2930
65-05-03			356		160	A	154	70-06-16		7540	140	A	2850
65-07-27			319		140	A	121	70-08-05		240	110	A	71
65-08-23			231		10	A	6.2	70-09-09		92	30	A	7.5
65-09-28			10600		490	A	14000	70-10-07		51	30	A	4.1
65-10-25			406		10	A	11	70-11-03		1450	90	A	352
65-11-22			252		60	A	41	70-12-02		565	80	A	122
65-12-27			289		180	A	140	71-02-18		2950	80	A	637

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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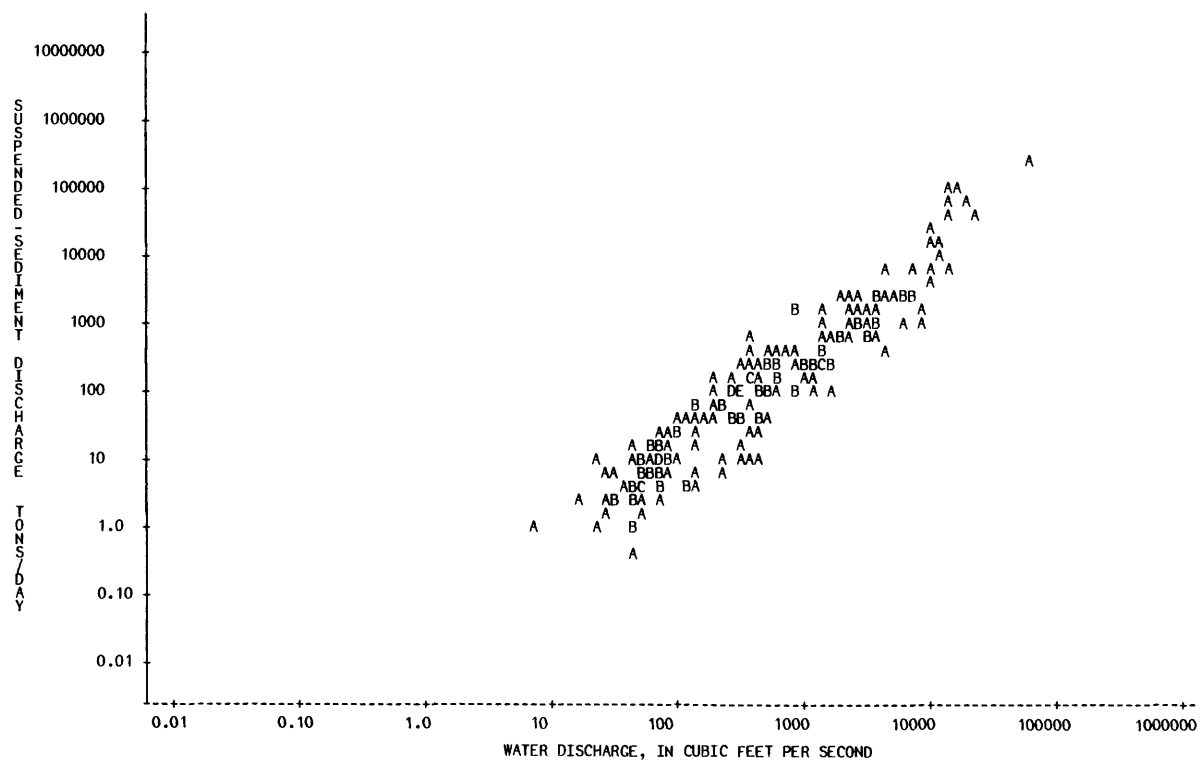
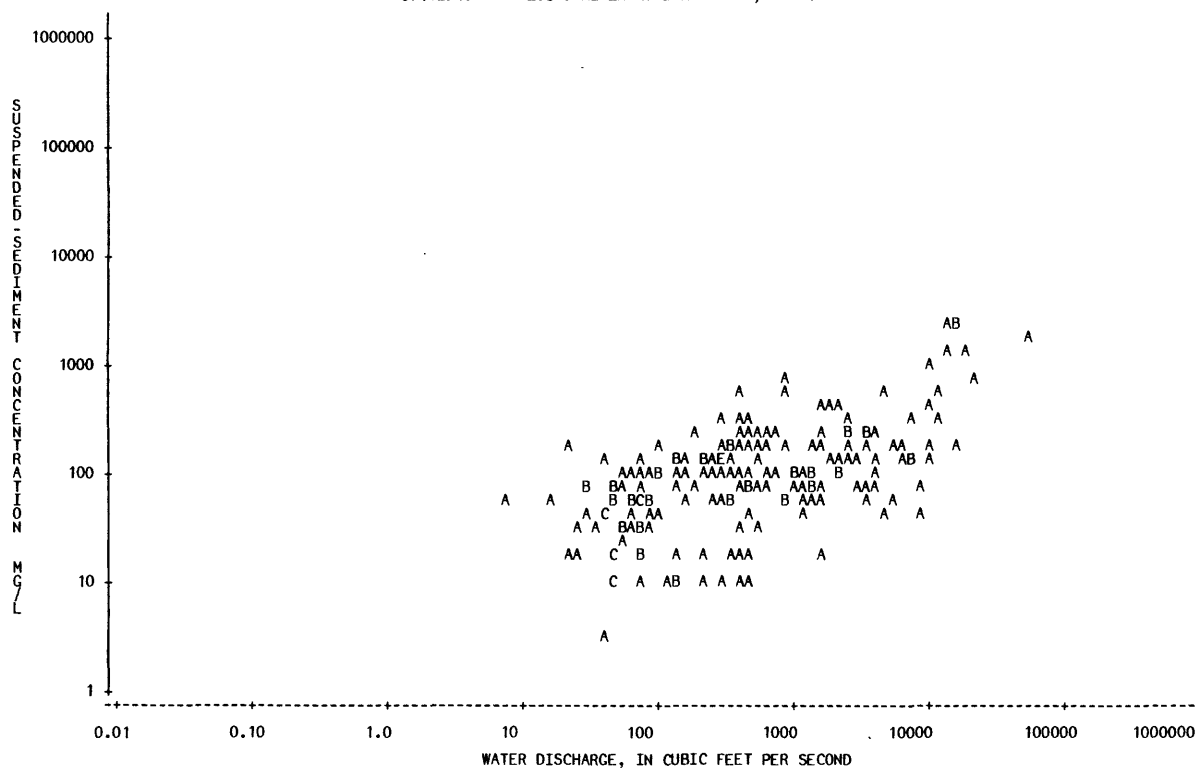
## ARKANSAS RIVER BASIN

07182510 NEOSHO RIVER AT BURLINGTON, KANS.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-03-12			1990	130	A 698						
71-04-15			1540	70	A 291						
71-05-18			75	30	A 6.1						
71-06-01			4140	250	A 2790						
71-07-06			840	730	A 1660						
71-08-04			3000	150	A 1220						
71-09-08			34	30	A 2.8						
71-10-06			51	30	A 4.1						
71-11-29			840	50	A 113						
71-12-06			1630	60	A 264						
71-12-13			1450	60	A 235						
72-01-24			450	90	A 109						
72-02-01			477	20	A 26						
72-03-07			150	50	A 20						
72-03-20			75	120	A 24						
72-04-03			75	90	A 18						
72-04-04			99	40	A 11						
72-04-10			102	100	A 28						
72-05-10			9920	200	A 5360						
72-06-07			102	100	A 28						
72-07-03			58	90	A 14						
72-08-01			280	110	A 83						
72-08-29			400	550	A 594						
72-10-02			70	50	A 9.4						
72-10-03			78	10	A 2.1						
72-10-10			70	20	A 3.8						
72-10-16			70	20	A 3.8						
72-10-24			7.0	50	A 0.95						
72-11-06			70	30	A 5.7						
72-11-07			48	50	A 6.5						
72-11-13			70	60	A 11						
72-11-18			1090	110	A 324						
72-12-03			1450	70	A 274						
72-12-05			1180	40	A 127						
72-12-10			1360	80	A 294						
73-01-02			4700	40	A 508						
73-01-08			3790	80	A 819						
73-01-15			41	40	A 4.4						
73-01-19			6520	130	A 2290						
73-02-13			10500	140	A 3970						
73-03-14			15100	180	A 7340						
73-04-19			8610	40	A 930						
73-05-18			5710	60	A 925						
73-08-24			427	30	A 35						
74-03-28			1040	100	A 281						
74-04-26			10900	280	A 8240						
74-05-29			3180	170	A 1460						
74-06-14			3550	60	A 575						
74-07-18			65	90	A 16						
74-08-15			67	50	A 9.0						
74-10-21			128	130	A 45						
74-11-18			1470	110	A 437						
74-12-16			2360	220	A 1400						
75-01-21			2120	90	A 515						
75-02-19			1580	20	A 85						
75-03-24			1480	410	A 1640						
75-04-21			2590	150	A 1050						
75-05-19			499	70	A 94						
75-06-23			11000	570	A 16900						
75-07-21			390	190	A 200						
75-08-18			134	10	A 3.6						
75-09-22			223	20	A 12						
75-10-21			128	10	A 3.5						
75-11-17			64	30	A 5.2						
75-12-18			282	50	A 38						
76-01-19			125	10	A 3.4						
76-03-22			50	20	A 2.7						
76-04-19			49	10	A 1.3						
76-05-24			796	100	A 215						
76-06-14			531	210	A 301						
76-07-19			2630	230	A 1630						
76-08-16			47	80	A 10						
76-09-20			47	20	A 2.5						
76-10-18			50	80	A 11						
76-11-15	0950		43	3	A 0.35						
77-01-17			1205	49	A 6.6						
77-02-16			1230	45	A 1.2						
77-03-14			1100	45	A 1.2						
77-04-25			1007	43	A 17						
77-06-06			1245	7270	A 3000						
77-07-18			1140	3490	A 2200						
77-08-29			1240	1670	A 708						
77-10-06			1240	335	A 90						
77-11-14			1310	3930	A 987						
78-01-03			1230	320	A 17						
78-02-06			1225	275	A 104						
80-08-22			1150	52	A 3.4						

\*\*\*\*\*  
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07182510 NEOSHO RIVER AT BURLINGTON, KANS.



## ARKANSAS RIVER BASIN

07183000 NEOSHO RIVER NEAR IOLA, KANS.

LOCATION.--Lat 37°53'27", long 95°25'50", in SW 1/4 NE 1/4 sec.9, T.25 S., R.18 E., Allen County, Hydrologic Unit 11070204, on left bank, 1.0 mi (1.6 km) downstream from Elm Creek, 3.0 mi (4.8 km) southwest of Iola, and at mile 284.4 (457.6 km).

DRAINAGE AREA.--3,818 mi<sup>2</sup> (9,889 km<sup>2</sup>).

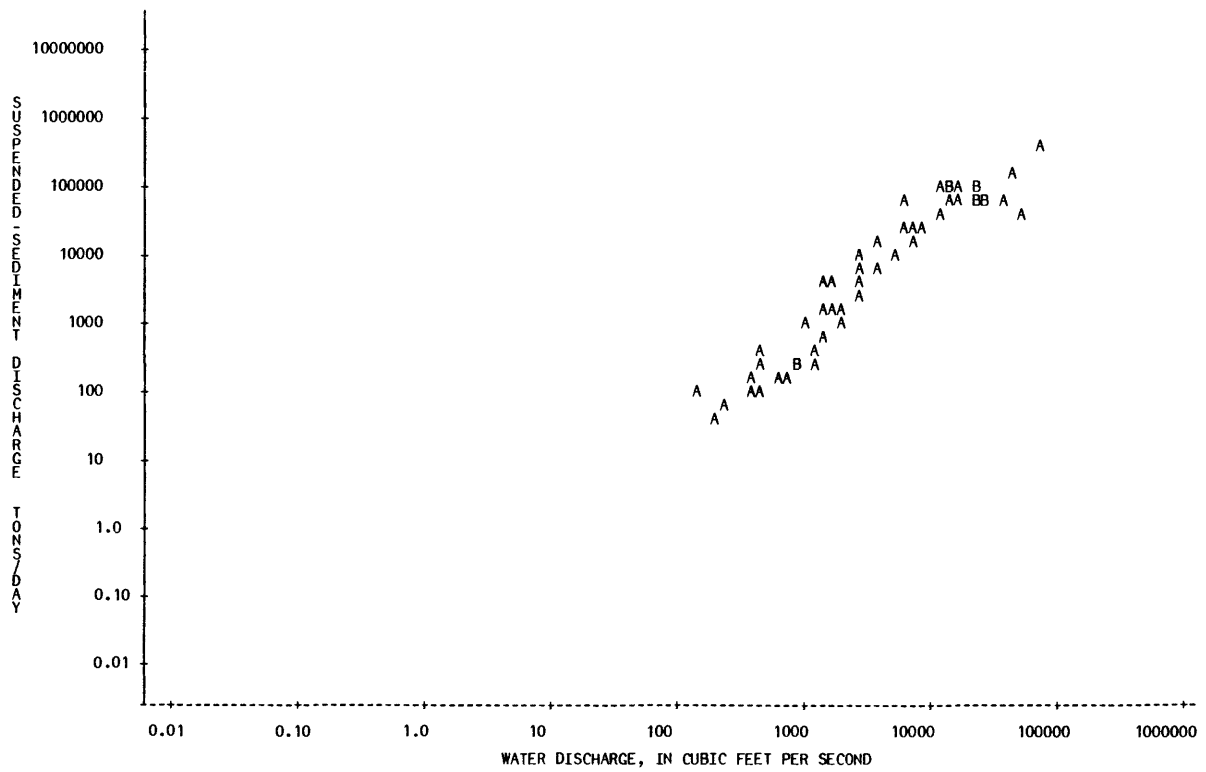
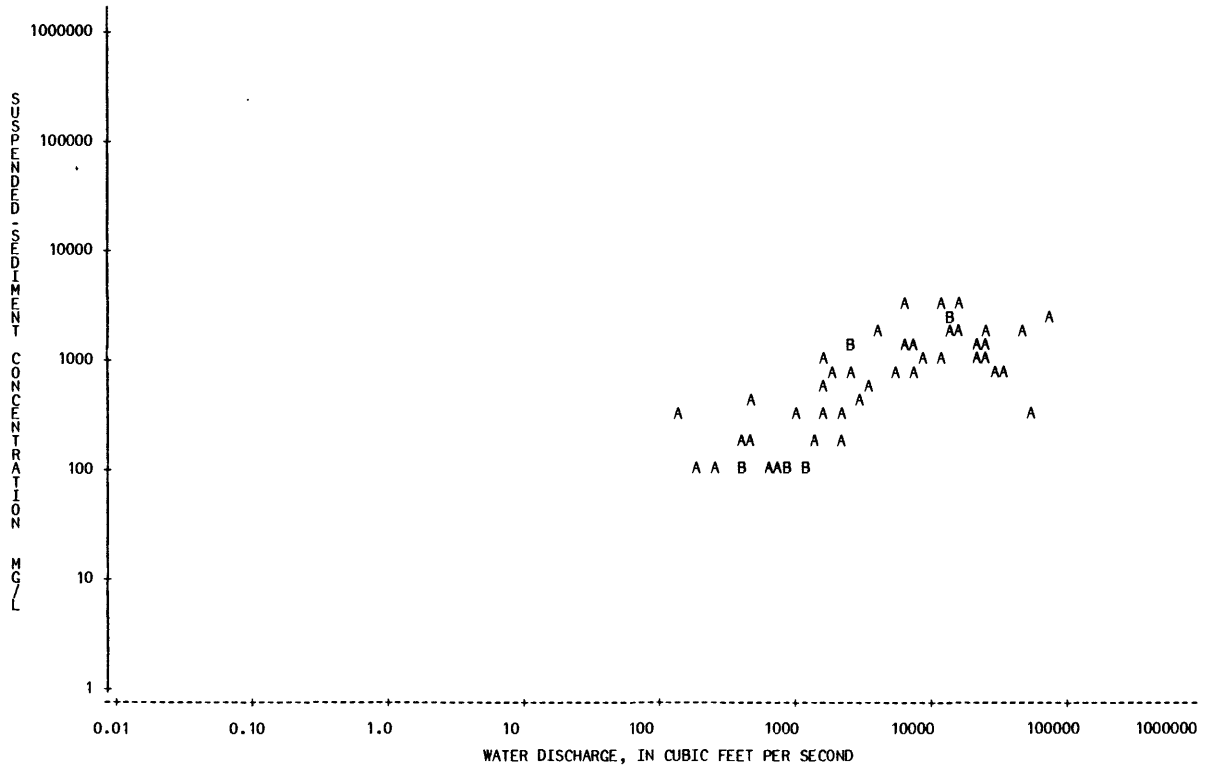
PERIOD OF RECORD.--Water years 1940, 1944-49, 1951-52, 1958, 1961.

REMARKS.--Considerable regulation since 1963 by John Redmond Reservoir 59.3 mi (95.4 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-05-20			1480	500	A 2000						
40-06-04			138	300	A 112						
40-06-15			455	400	A 491						
44-06-08			902	100	A 244						
44-07-05			375	200	A 202						
44-10-05			15200	1700	A 69800						
44-11-01			240	100	A 65						
44-12-07			23600	1700	A 108000						
44-12-08			44800	1600	A 194000						
44-12-21			2070	200	A 1120						
45-02-20			608	100	A 164						
45-03-21			6280	1500	A 25400						
45-04-18			70100	2500	A 473000						
45-05-02			7230	800	A 15600						
45-06-07			1360	200	A 734						
45-07-10			2690	700	A 5080						
45-08-09			1480	1100	A 4400						
45-09-13			186	100	A 50						
45-10-01			22400	1300	A 78600						
45-11-15			409	100	A 110						
46-01-04			382	100	A 103						
46-02-12			460	200	A 248						
46-03-18			2770	400	A 2990						
46-04-22			873	100	A 236						
46-05-22			1740	700	A 3290						
46-06-22			13900	2700	A 101000						
47-04-15			26300	1100	A 78100						
47-06-11			2480	1200	A 8040						
48-03-09			1020	300	A 826						
48-07-21			51500	300	A 41700						
48-08-11			691	100	A 187						
49-02-03			1240	100	A 335						
49-05-04			6500	3500	A 61400						
49-05-26			2500	1300	A 8780						
49-07-12			7100	1300	A 24900						
51-01-12			11900	2800	A 90000						
51-04-06			9100	1000	A 24600						
51-05-04			17000	2800	A 129000						
51-06-12			21800	1100	A 64700						
51-07-03			23500	1400	A 88800						
51-07-20			5500	800	A 11900						
51-09-05			28800	800	A 62200						
51-10-01			1160	100	A 313						
51-11-13			3500	600	A 5670						
52-03-13			3700	1700	A 17000						
52-04-08			2050	300	A 1660						
52-04-23			14100	2500	A 95200						
52-05-21			1610	300	A 1300						
58-03-12	1130		12000	1020	33000						
61-05-08	2250		34900	747	70400						
61-05-24	0405		13700	1620	59900						

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07183000 NEOSHO RIVER NEAR IOLA, KANS.



## ARKANSAS RIVER BASIN

07183400 FLAT ROCK CREEK NEAR ST. PAUL, KANS.

LOCATION.--Lat 37°32'38", long 95°08'18", on E-W line between Sec. 5 and 8, T.29 S., R.21 E., Neosho County, Hydrologic Unit 11070205, at county highway bridge, 4 mi (6.4 km) northeast of St. Paul, and at mile 4.8 (7.7 km).

DRAINAGE AREA.--140 mi<sup>2</sup> (363 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-41.

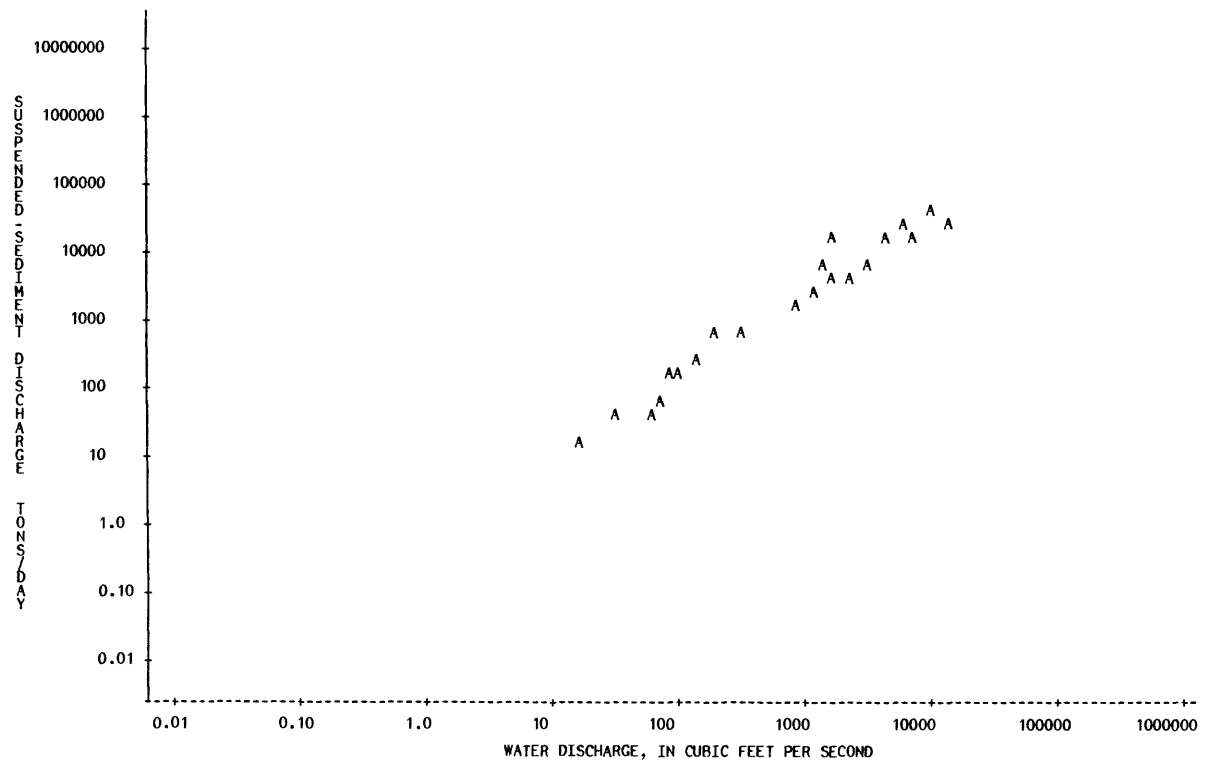
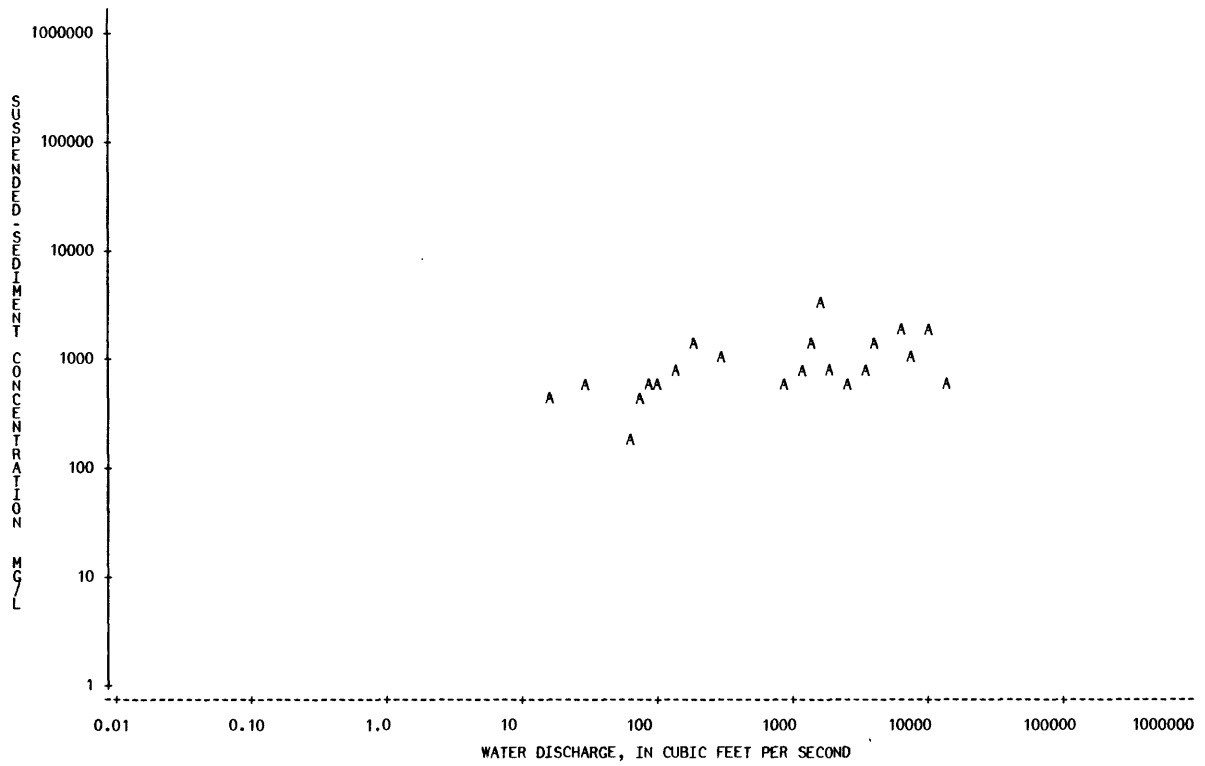
REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-03-08			132	800	A 285
40-04-18			184	1500	A 745
40-04-19			80	600	A 130
40-04-24			16	400	A 17
40-04-30			1700	3200	A 14700
40-05-01			1300	1500	A 5270
40-05-19			301	900	A 731
40-06-11			798	600	A 1290
40-06-13			31	500	A 42
40-07-23			7220	1000	A 19500
40-07-23	0001		13000	600	A 21100
40-07-24			2470	600	A 4000
40-08-16			74	400	A 80
41-01-17			1730	800	A 3740
41-02-01			1130	800	A 2440
41-02-05			65	200	A 35
41-04-15			9490	1900	A 48700
41-04-16			4080	1200	A 13200
41-04-18			99	600	A 160
41-04-19			6150	1800	A 29900
41-06-03			3440	700	A 6500

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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07183400 FLAT ROCK CREEK NEAR ST PAUL, KANS.



## ARKANSAS RIVER BASIN

07183500 NEOSHO RIVER NEAR PARSONS, KANS.

LOCATION.--Lat 37°18'39", long 95°06'37", in NW 1/4 NE 1/4 sec. 33, T.31 S., R.21 E., Labette County, Hydrologic Unit 11070205, on right bank 150 ft (46 m) downstream from dam of Kansas Army Ammunition Plant, 8.0 mi (13.0 km) southeast of Parsons, and at mile 201.4 (324.1 km).

DRAINAGE AREA.--4,905 mi<sup>2</sup> (12,704 km<sup>2</sup>).

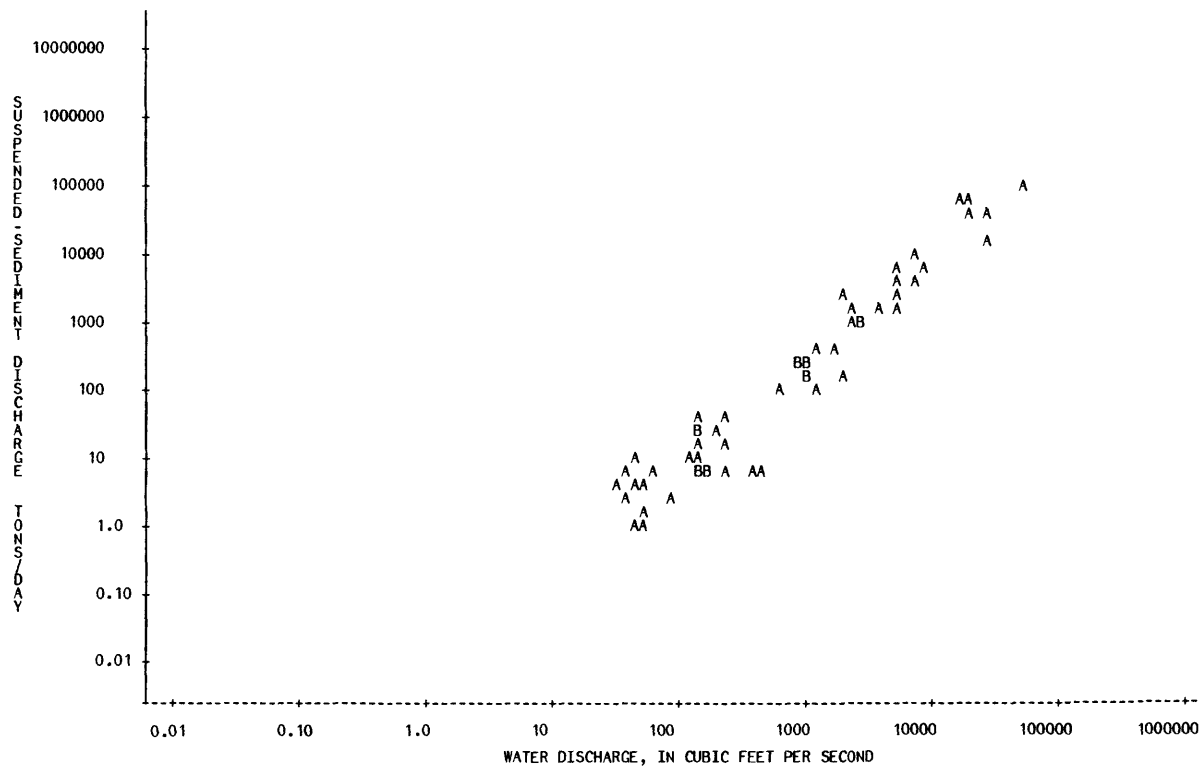
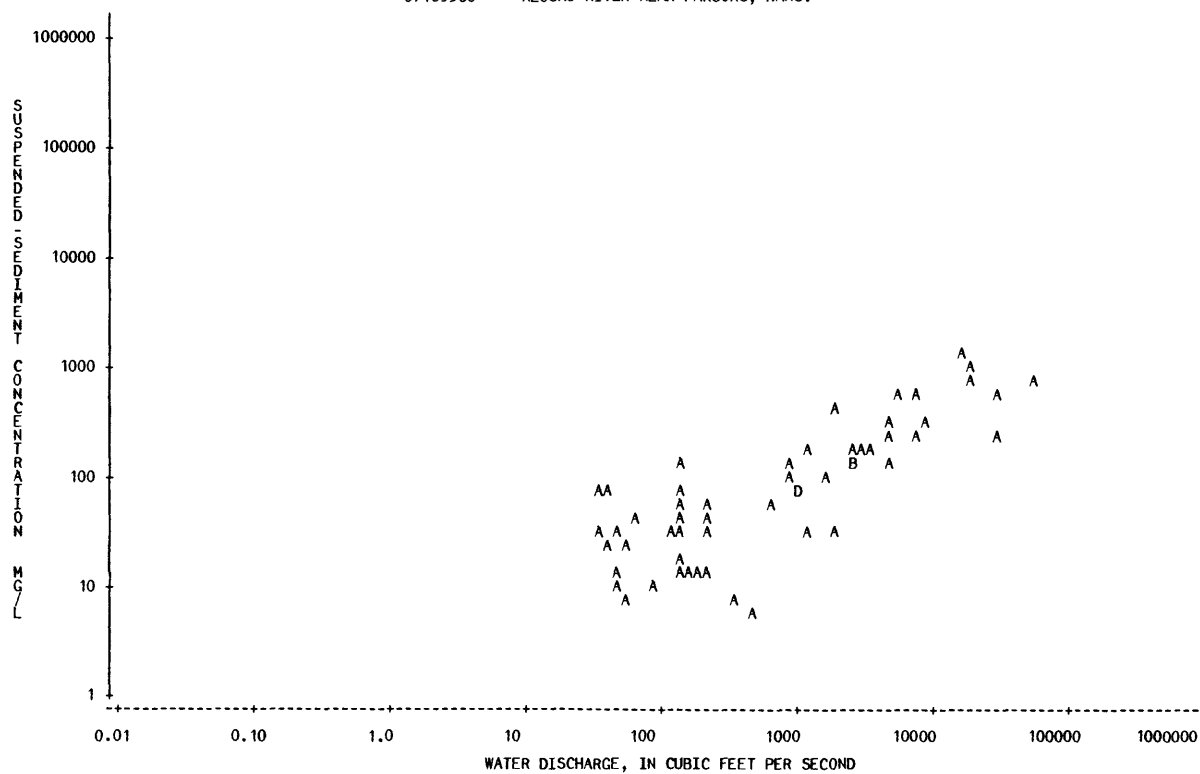
PERIOD OF RECORD.--Water years 1958, 1961-62, 1975-80.

REMARKS.--Flow moderately regulated by John Redmond Reservoir 142.3 mi (229.0 km) upstream since 1963. Small diversion by the Kansas Army Ammunition Plant. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-03-12	1300		19700	1020	54300	80-06-06	0940		208	41	23
61-05-09	0145		53100	691	99100	80-07-10	1100		126	36	12
61-05-24	0100		15800	1340	57200	80-08-13	1520		39	22	2.3
61-09-15	0925		27300	516	38000	80-09-17	0920		35	67	6.3
61-11-07	1730		27600	*	18900						
75-10-22	1655		145	61	24						
75-11-18	1000		144	14	5.4						
75-12-17	0945		1800	457	2220						
76-01-20	0925		169	15	6.8						
76-02-24	1010		138	85	32						
76-03-24	1020		142	134	51						
76-04-21	0945		924	92	230						
76-05-26	1210		1670	98	442						
76-06-16	0900		938	81	205						
76-07-20	1545		2780	166	1250						
76-08-18	1145		223	59	36						
76-09-22	0910		53	27	3.9						
76-10-20	1400		41	76	8.4						
76-11-16	0905		43	11	1.3						
76-12-21	0935		50	15	2.0						
77-01-18	1230		55	7	1.0						
77-02-15	1515		83	10	2.3						
77-03-15	1720		140	29	11						
77-04-26	1820		140	43	16						
77-06-08	1100		7200	262	5090						
77-07-20	0935		2460	149	990						
77-08-31	1005		3510	165	1560						
77-10-04	1650		807	121	264						
77-11-16	0825		4800	140	1810						
78-01-04	1600		439	6	7.1						
78-02-08	1010		355	7	6.7						
78-03-31	1020		7150	532	10300						
78-05-10	1030		2540	123	844						
78-06-21	0940		1110	162	486						
78-07-19	0945		1040	70	197						
78-10-03	1715		34	36	3.3						
78-11-15	1610		46	29	3.6						
79-03-07	0910		4980	208	2800						
79-03-28	1230		5120	493	6820						
79-04-17	0925		4800	324	4200						
79-04-17	1130		2450	200	1320						
79-05-09	0930		1040	79	222						
79-06-06	0810		219	31	18						
79-07-11	0920		20000	712	38400						
79-08-15	1350		226	13	7.9						
79-09-19	0830		134	19	6.9						
79-10-16	1530		62	38	6.4						
79-11-13	1600		1100	35	104						
80-01-14	1410		173	12	5.6						
80-02-20	0955		1790	33	159						
80-03-10	1530		637	61	105						
80-04-10	1425		9200	278	6910						
80-05-06	1240		972	70	184						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07183500 NEOSHO RIVER NEAR PARSONS, KANS.



## ARKANSAS RIVER BASIN

07184000 LIGHTNING CREEK NEAR MCCUNE, KANS.

LOCATION.--Lat 37°16'54", long 95°01'56", in NE 1/4 NE 1/4 sec.7, T.32 S., R.22 E., Cherokee County, Hydrologic Unit 11070205, at downstream side of highway bridge, 5.0 mi (8.0 km) south of McCune, 13.0 mi (20.9 km) southeast of Parsons, and at mile 12.6 (20.3 km).

DRAINAGE AREA.--197 mi<sup>2</sup> (510 km<sup>2</sup>).

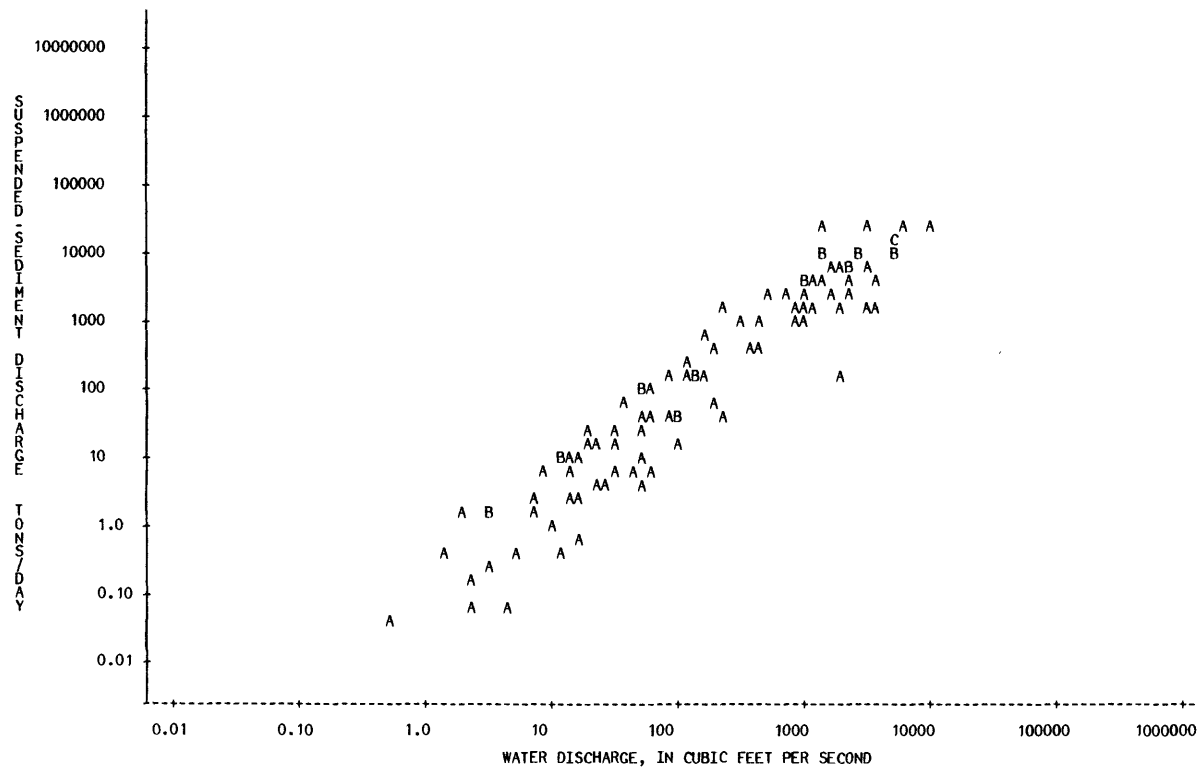
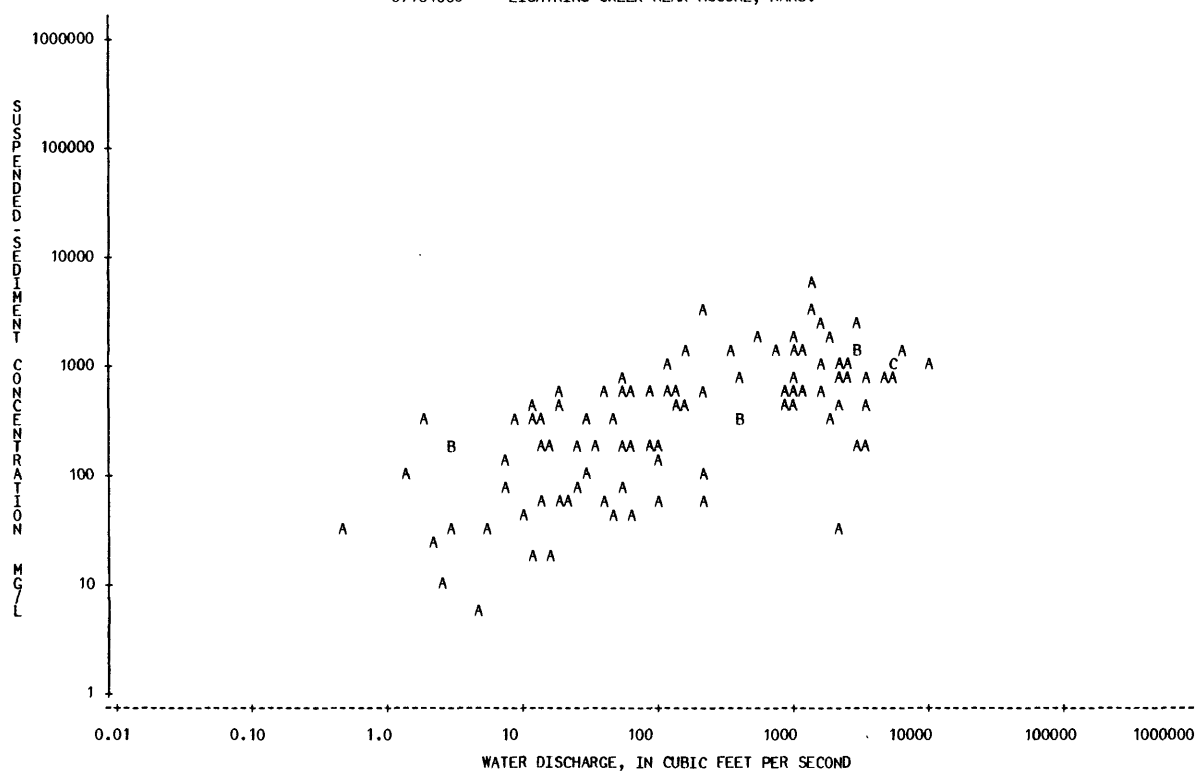
PERIOD OF RECORD.--Water years 1940-46, 1976-80.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
40-04-17			1330	6300	A	22600	45-03-16		1480	1000	A	4000
40-04-18			1420	2900	A	11100	45-03-20		5400	1100	A	16000
40-04-23			11	400	A	12	45-04-22		4890	800	A	10600
40-04-30			88	200	A	48	45-04-25		859	400	A	928
40-05-01			556	1800	A	2700	45-05-31		1150	1300	A	4040
40-05-02			334	1400	A	1260	45-06-06		1510	2100	A	8560
40-06-11			769	1500	A	3110	45-06-18		2810	1200	A	9100
40-06-12			121	600	A	196	45-07-02		1830	300	A	1480
40-06-13			53	600	A	86	45-08-07		2416	1100	A	7180
40-08-30			14	200	A	7.6	45-09-13		428	800	A	924
41-01-26			951	1300	A	3340	46-01-09		1070	1700	A	4910
41-02-05			50	300	A	40	46-02-05		232	2800	A	1750
41-04-16			10000	900	A	24300	46-02-21		141	500	A	190
41-04-17			2310	400	A	2490	75-12-17		1200	3.0		0.24
41-04-20			3360	800	A	7260	76-01-20		1040	2.3		0.06
41-06-02			2420	800	A	5230	76-02-24		1155	1.3		0.36
41-09-06			210	600	A	340	76-03-24		1155	7.3		2.6
41-09-15			16	200	A	8.6	76-04-21		1205	415		358
41-10-23			206	100	A	56	76-05-26		1650	142		473
41-11-01			3550	200	A	1920	77-04-26		1533	17		50
42-01-02			117	900	A	284	77-05-19		1140	52		196
42-02-27			63	600	A	102	77-08-17		1220	156		410
42-05-01			30	100	A	8.1	77-08-31		1245	7.2		80
42-05-14			12	300	A	9.7	77-11-01		1030	3030		178
42-05-21			9.0	300	A	7.3	77-11-15		1705	42		61
42-06-12			156	1300	A	548	78-02-08		1220	48		37
42-06-20			1570	600	A	2540	78-03-06		1220	102		55
42-07-16			3.0	200	A	1.6	78-03-30		1610	64		47
42-08-24			20	600	A	32	78-05-09		1000	400		319
43-03-29			55	800	A	119	78-05-17		0830	14		64
43-05-08			2130	800	A	4600	78-06-21		1345	105		154
43-06-09			1740	1600	A	7520	79-03-07		1240	56		66
43-06-22			6100	1400	A	23100	79-04-11		1055	955		584
43-06-23			5470	900	A	13300	79-04-11		1115	990		829
43-10-05			13	300	A	11	79-05-09		1255	26		67
44-03-06			24	200	A	13	79-05-30		1255	21		57
44-03-18			3151	2600	A	22100	79-07-11		1315	30		283
44-03-19			5219	1100	A	15500	79-11-14		0815	9.4		39
44-04-05			18	400	A	19	79-12-10		1700	11		16
44-04-12			873	600	A	1410	80-01-14		1615	4.4		5
44-04-18			39	600	A	63	80-02-20		1215	233		58
44-05-02			2040	1000	A	5510	80-03-11		0815	16		18
44-05-09			32	200	A	17	80-04-10		1835	97		172
44-05-23			64	200	A	35	80-05-06		1600	5.2		28
44-06-22			1150	600	A	1860	80-06-05		1640	2.2		26
44-06-24			84	600	A	136	80-09-17		1150	0.48		36
44-07-18			3.0	200	A	1.6						
44-08-01			2.0	300	A	1.6						
44-08-26			2880	1200	A	9330						
44-08-27			5120	700	A	9680						
44-09-29			1060	400	A	1140						
44-10-03			3610	400	A	3900						
44-10-04			2010	30	A	163						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07184000 LIGHTNING CREEK NEAR MCCUNE, KANS.



## ARKANSAS RIVER BASIN

07184220 CHERRY CREEK NEAR WEST MINERAL, KANS.

LOCATION.--Lat 37°14'14", long 94°55'04", in NE 1/4 NW 1/4 sec.29, T.32 S., R.23 E., Cherokee County, at downstream side of county road bridge, 3.0 mi (4.8 km) south of West Mineral.

DRAINAGE AREA.--27 mi<sup>2</sup> (69.9 km<sup>2</sup>).

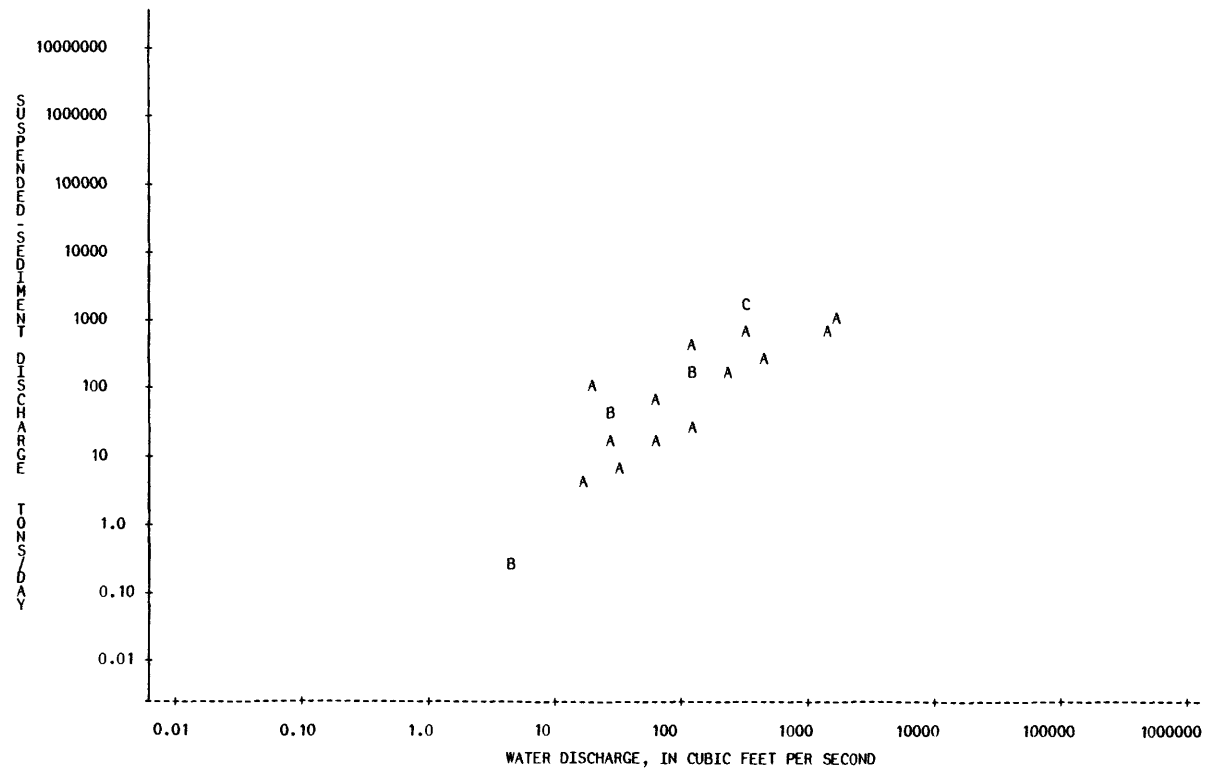
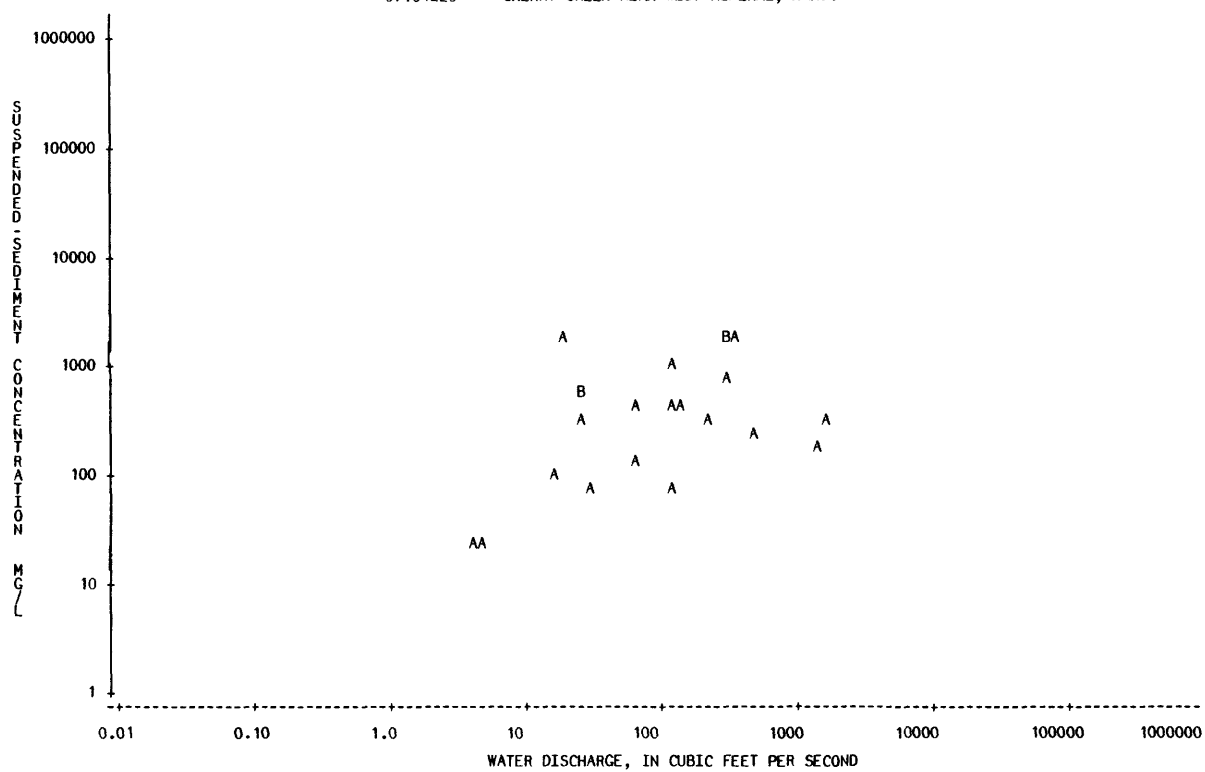
PERIOD OF RECORD.--Water years 1977-79.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-04-23		0415	25	277	19						
77-04-23		0600	125	387	131						
77-05-01		1330	310	676	566						
77-05-03		1150	16	91	4.0						
77-05-20		0915	25	565	39						
77-05-20		1330	125	1040	351						
77-06-20		2010	1550	279	1170						
77-08-17		0815	20	1660	88						
77-09-24		0230	26	523	37						
77-10-31		1530	1410	205	780						
77-10-31		2105	128	383	132						
77-10-31		2250	308	2000	1660						
77-11-01		1700	113	81	25						
77-11-02		1430	462	252	314						
78-03-07		1030	31	78	6.5						
78-03-24		0730	308	1850	1540						
78-04-25		1210	4.1	24	0.27						
78-05-08		1550	62	119	20						
78-05-16		1020	4.6	26	0.32						
78-05-19		1040	330	1760	1570						
79-03-18		1715	65	435	76						
79-04-11		1800	220	319	189						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07184220 CHERRY CREEK NEAR WEST MINERAL, KANS.



## ARKANSAS RIVER BASIN

07184300 CHERRY CREEK NEAR HALLOWELL, KANS.

LOCATION.--Lat 37°09'46", long 94°59'43", in NE 1/4 NE 1/4 NE 1/4 sec.21, T.33 S., R.22 E., Cherokee County, Hydrologic Unit 11070205, at downstream side of highway bridge, 0.6 mi (1.0 km) south of Hallowell.

DRAINAGE AREA.--90 mi<sup>2</sup> (233 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1977-80.

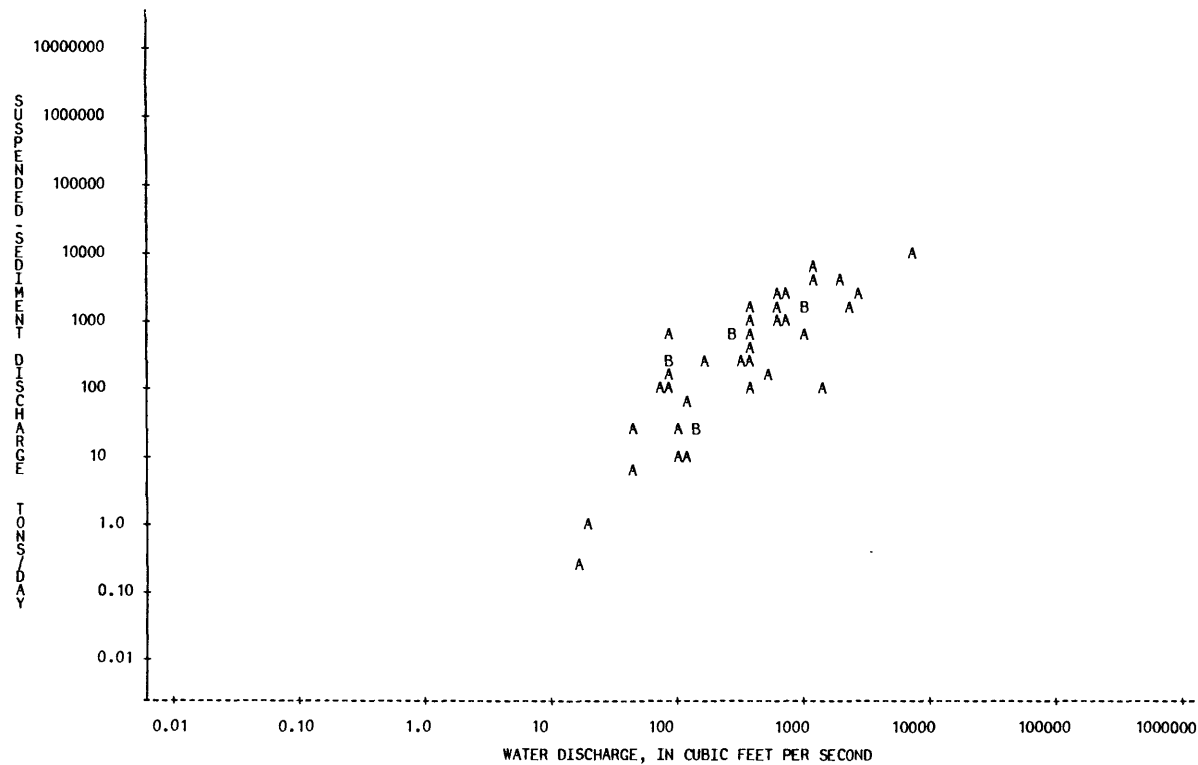
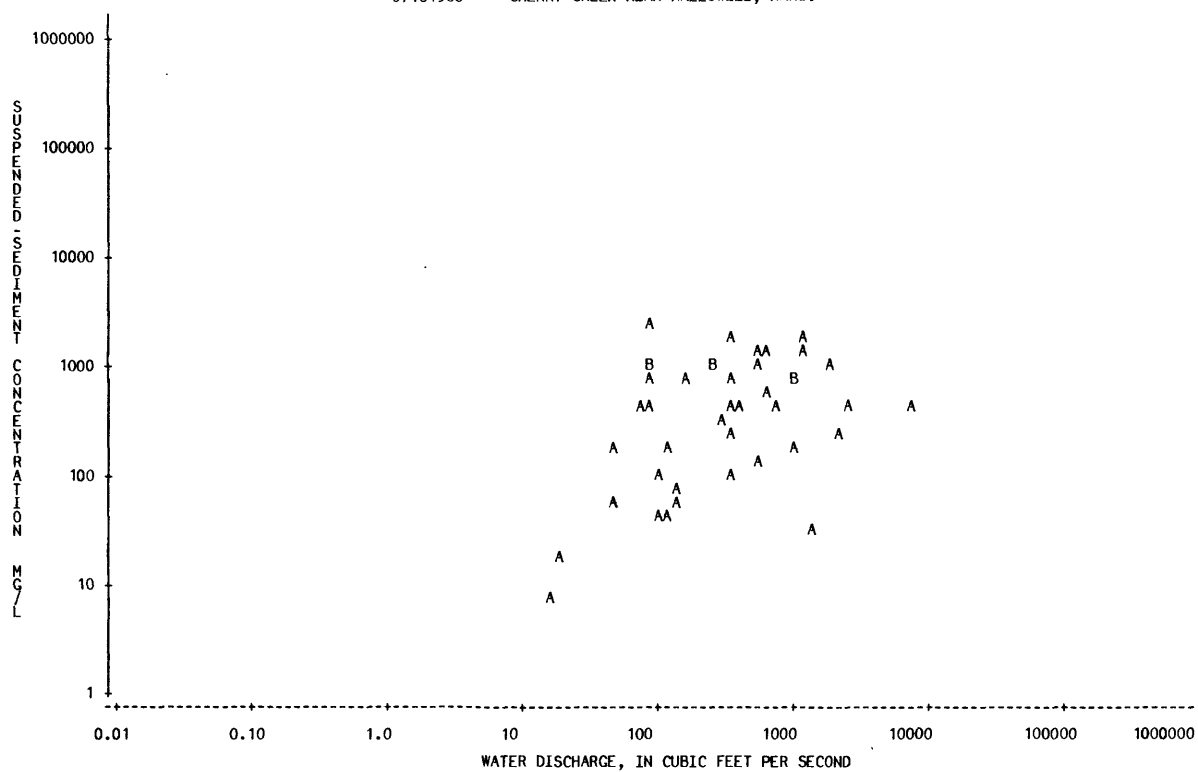
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-04-23	0310	90	2170	527	
77-04-23	1800	395	483	515	
77-05-02	1445	964	204	531	
77-05-03	1025	102	45	12	
77-05-20	1145	90	1010	245	
77-06-19	0650	90	681	165	
77-06-19	0845	365	1790	1760	
77-06-20	1630	1320	31	110	
77-06-22	1225	2520	382	2600	
77-08-15	0300	90	1050	255	
77-08-15	0540	365	874	861	
77-08-16	0700	45	190	23	
77-09-24	0615	680	1240	2280	
77-11-02	1100	730	436	859	
78-03-07	1320	112	38	11	
78-03-23	2300	270	993	724	
78-03-24	0600	580	1440	2260	
78-04-11	1430	350	108	102	
78-04-26	1230	16	7	0.30	
78-05-08	1530	360	253	246	
78-05-09	1200	102	106	29	
78-05-16	1330	19	18	0.92	
78-05-18	1800	77	429	89	
78-05-19	0300	270	1050	765	
78-05-19	0930	570	889	1370	
78-05-19	1000	1090	1770	5210	
78-05-19	1240	1150	1230	3820	
78-06-20	1000	84	372	84	
79-03-18	1800	165	670	298	
79-03-18	2040	295	281	224	
79-03-19	1430	365	396	390	
79-03-20	1010	110	176	52	
79-04-11	1220	966	662	1730	
79-04-11	2130	970	710	1860	
79-04-12	0900	590	578	921	
79-11-20	1745	520	141	198	
79-11-20	2155	1800	1000	4860	
79-11-21	1100	7500	433	8770	
79-11-22	0855	2200	247	1470	
79-11-23	1130	137	57	21	
80-03-12	1500	46	52	6.5	
80-03-13	1000	145	67	26	

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07184300 CHERRY CREEK NEAR HALLOWELL, KANS.



## ARKANSAS RIVER BASIN

07184500 LABETTE CREEK NEAR OSWEGO, KANS.

LOCATION.--Lat 37°12', long 95°11', in NW 1/4 sec.11, T.33 S., R.20 E., Labette County, Hydrologic Unit 11070205, at bridge on State Highway 96, 1.0 mi (1.6 km) upstream from St. Louis-San Francisco Railway bridge, 5.0 mi (8.0 km) northwest of Oswego, and at mile 18.8 (30.2 km).

DRAINAGE AREA.--211 mi<sup>2</sup> (546 km<sup>2</sup>).

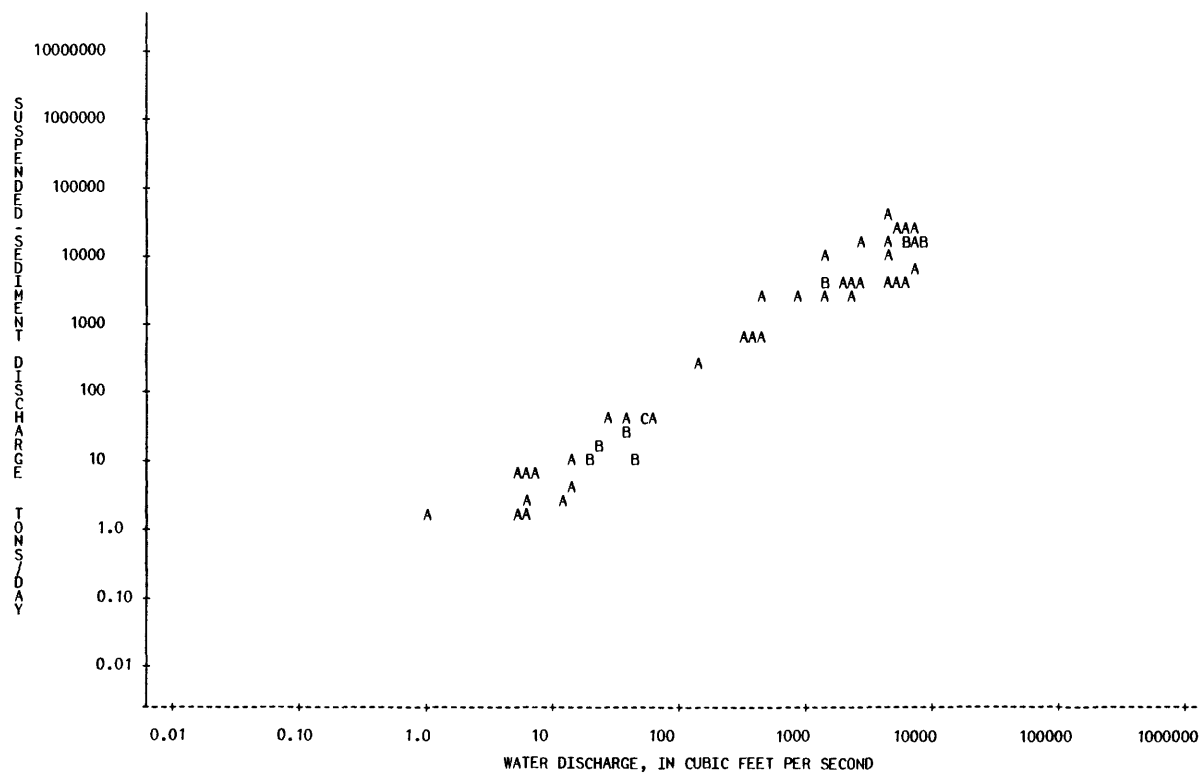
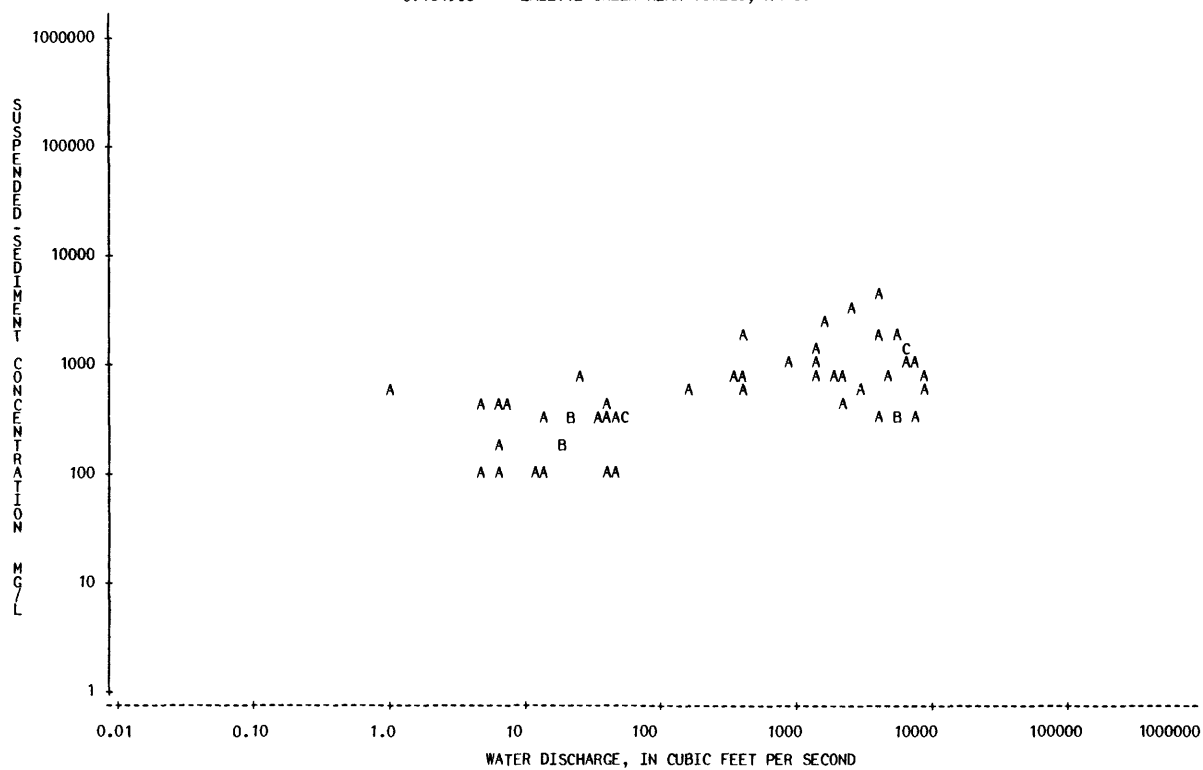
PERIOD OF RECORD.--1940-45.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-24			5.0	400	A 5.4	45-03-21			4.19	2000	A 2260
40-04-30			149	600	A 241						
40-05-17			1.0	500	A 1.4						
40-06-10			833	1000	A 2250						
40-06-11			403	700	A 762						
40-08-16			13	300	A 11						
40-12-02			6.0	400	A 6.5						
41-01-26			1410	1300	A 4950						
41-02-01			1350	800	A 2920						
41-02-05			58	300	A 47						
41-04-16	0001		6110	1400	A 23100						
41-04-16	0002		6770	1300	A 23800						
41-04-17			407	500	A 549						
41-04-19			5950	1200	A 19300						
41-06-02			339	800	A 732						
41-09-15			13	100	A 3.5						
41-10-17			4160	300	A 3370						
41-10-30			7680	300	A 6220						
42-01-02			47	100	A 13						
42-02-27			50	300	A 40						
42-03-16			4420	700	A 8350						
42-05-01			40	300	A 32						
42-05-14			19	200	A 10						
42-05-21			18	200	A 9.7						
42-06-12			54	300	A 44						
42-06-19	0001		2850	500	A 3850						
42-06-19	0002		2150	700	A 4060						
42-07-16			6.0	200	A 3.2						
43-03-29			52	300	A 42						
43-05-08			5030	1700	A 23100						
43-05-09			1490	2600	A 10500						
43-06-22			7420	1000	A 20000						
43-06-23	0001		8870	600	A 14400						
43-06-23	0002		8320	800	A 18000						
43-06-24			1340	1000	A 3620						
43-09-29			2670	2800	A 20200						
43-10-05			11	100	A 3.0						
44-02-07			7.0	400	A 7.6						
44-03-06			23	300	A 19						
44-03-18			4310	4100	A 47700						
44-04-05			25	700	A 47						
44-04-18			38	400	A 41						
44-05-09			35	300	A 28						
44-05-23			22	300	A 18						
44-06-06			6.0	100	A 1.6						
44-06-22			43	100	A 12						
44-07-18			5.0	100	A 1.4						
44-08-26			6450	1000	A 17400						
44-09-29			5620	300	A 4550						
44-10-03			5790	300	A 4690						
44-10-04			1800	700	A 3400						
44-10-05			2180	400	A 2350						
45-03-15			4170	1800	A 20300						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07184500 LABETTE CREEK NEAR OSWEGO, KANS.



## ARKANSAS RIVER BASIN

07185000 NEOSHO RIVER NEAR COMMERCE, OKLA.

LOCATION.--Lat 36°55'43", long 94°57'26", in SW 1/4 SE 1/4 sec.5, T.28 N., R.22 E., Ottawa County, Hydrologic Unit 11070206, on downstream side of left pier of county road bridge, 1.3 mi (2.1 km) upstream from Mud Creek, 2.2 mi (3.5 km) downstream from Four Mile Creek, 4.5 mi (7.2 km) west of Commerce, and at mile 153.4 (246.8 km).

DRAINAGE AREA.--5,876 mi<sup>2</sup> (15,219 km<sup>2</sup>).

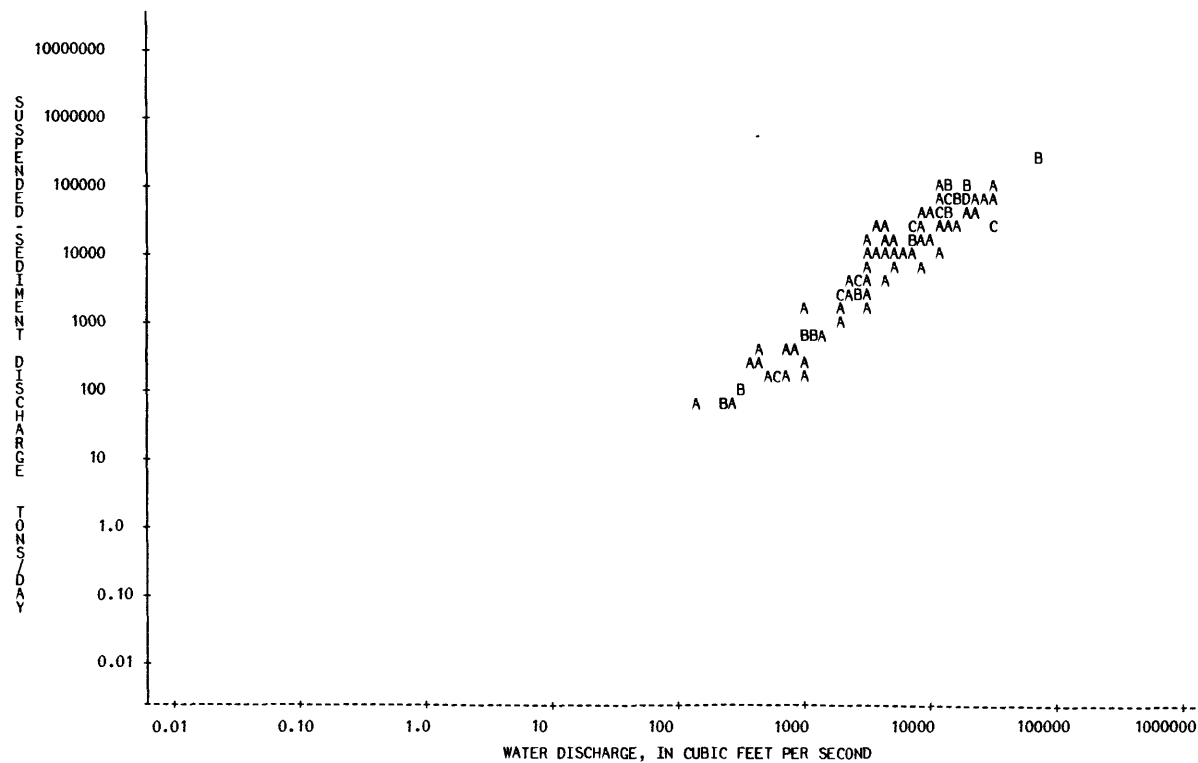
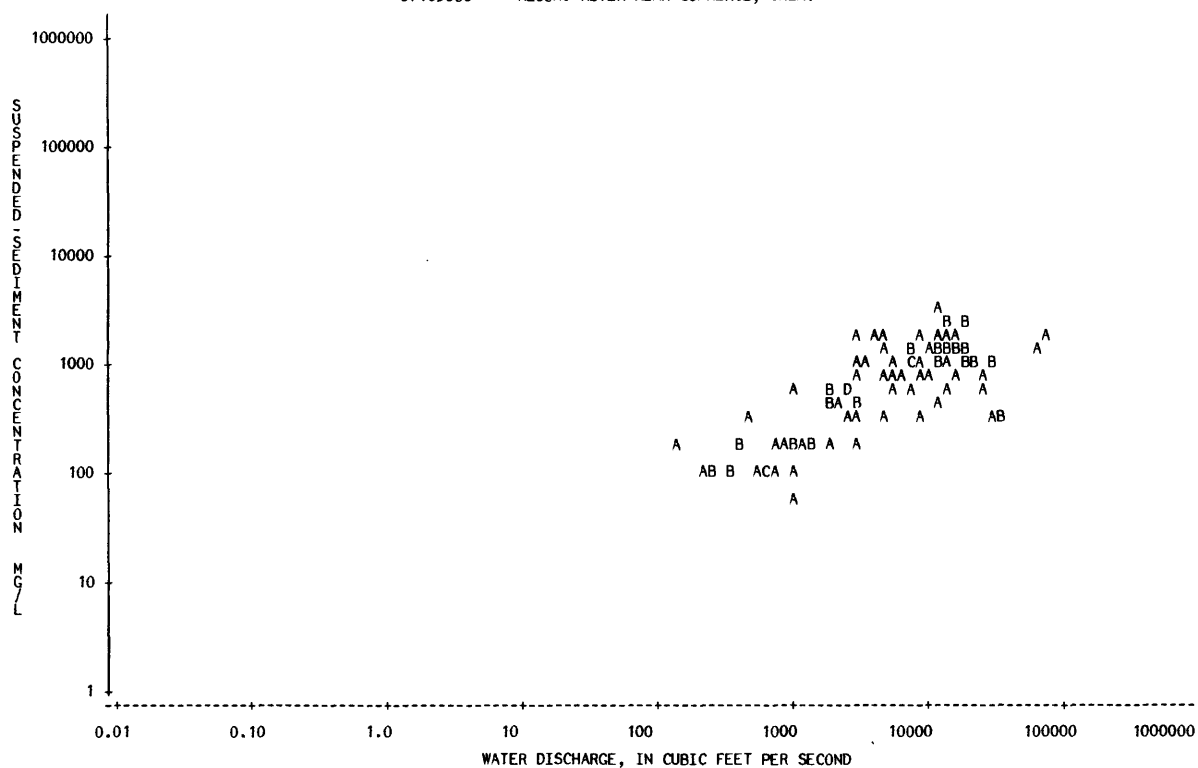
PERIOD OF RECORD.--Water years 1944-50, 1979-80.

REMARKS.--Flow regulated, to some extent, since 1963 by John Redmond Reservoir, 190 mi (360 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-06-02			2360	600	A 3820	46-02-12			743	200	A 401
44-06-15			4710	300	A 3820	46-02-21			9220	1000	A 24900
44-07-03			628	100	A 170	46-03-01			1100	200	A 594
44-07-19			860	200	A 464	46-03-28			2610	300	A 2110
44-07-28			2760	400	A 2980	46-04-17			5940	800	A 12800
44-08-02			443	300	A 359	46-04-18			7030	1200	A 22800
44-08-27			20500	1000	A 55400	46-04-25			12200	2000	A 65900
44-09-01			7130	1000	A 19300	46-05-10			625	100	A 169
44-09-21			233	100	A 63	46-05-21			2540	500	A 3430
44-10-20			624	100	A 168	46-06-07			321	100	A 87
44-11-02			334	100	A 90	46-06-24			12300	3000	A 99600
44-11-20			529	100	A 143	46-06-25			14300	1700	A 65600
44-12-07			19300	1300	A 67700	46-06-26			15500	1500	A 62800
44-12-12			23000	1000	A 62100	46-08-01			131	200	A 71
44-12-22			3040	400	A 3280	47-03-21			7720	1100	A 22900
45-02-02			964	100	A 260	47-04-07			18500	2500	A 125000
45-02-13			1080	200	A 583	47-04-17			26400	800	A 57000
45-03-17			18700	1400	A 70700	47-05-26			15400	700	A 29100
45-03-18			14300	1400	A 54100	47-06-09			13800	1000	A 37300
45-03-23			10300	1300	A 36200	47-06-13			3520	900	A 8550
45-03-28			18100	2200	A 108000	47-06-23			9000	2000	A 48600
45-04-10			1930	400	A 2080	47-06-27			11500	1400	A 43500
45-04-20			30700	900	A 74600	47-07-01			7400	1500	A 30000
45-04-21			29600	1100	A 87900	47-12-07			4350	1900	A 22300
45-04-23			68000	1200	A 220000	48-04-03			1880	500	A 2540
45-05-01			19200	900	A 46700	48-06-24			73100	1600	A 316000
45-05-12			3110	800	A 6720	48-06-29			11600	1300	A 40700
45-05-23			1880	600	A 3050	48-07-20			29600	300	A 24000
45-06-01			14600	2100	A 82800	48-07-23			32400	300	A 26200
45-06-08			2980	1100	A 8850	49-01-20			13200	1200	A 42800
45-06-15			2510	600	A 4070	49-02-25			4370	800	A 9440
45-07-06			24600	500	A 33200	49-03-01			12400	900	A 30100
45-07-07			5030	800	A 10900	49-03-23			3080	300	A 2490
45-07-19			1810	400	A 1950	49-05-03			3170	200	A 1710
45-08-01			3920	2000	A 21200	49-05-10	0001		5040	1000	A 13600
45-08-10			2950	1700	A 13500	49-05-22			14000	600	A 22700
45-08-13			13500	2300	A 83800	49-05-26			17100	1400	A 64600
45-08-14			15000	1900	A 77000	49-06-08			2660	500	A 3590
45-08-19			1080	500	A 1460	49-07-11			7610	600	A 12300
45-09-10			237	100	A 64	49-09-21			5200	500	A 7020
45-09-18			250	100	A 67	49-10-21			6970	900	A 16900
45-09-26			33400	300	A 27100	49-10-22			8400	700	A 15900
45-10-09			11300	400	A 12200	49-10-25			4700	1300	A 16500
45-10-18			1270	200	A 686	50-07-12			19500	1000	A 52700
45-10-24			1460	200	A 788	79-07-13	1045		9030	310	A 7560
45-12-05			407	200	A 220	80-05-07	1200	1030		60	A 167
45-12-20			398	200	A 215						
46-01-04			696	100	A 188						
46-01-11			12500	1100	A 37100						
46-01-13			10400	700	A 19700						
46-01-18			2270	400	A 2450						
46-01-22			1790	200	A 967						
46-02-01			1030	200	A 556						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07185000 NEOSHO RIVER NEAR COMMERCE, OKLA.



## ARKANSAS RIVER BASIN

07186010 SECOND COW CREEK AT PITTSBURG, KANS.

LOCATION.--Lat 37°23'49", long 94°44'30", in SW 1/4 SW 1/4 SW 1/4 sec.25, T.30 S., R.24 E., Crawford County, at downstream side of county road bridge, 2.2 mi (3.5 km) southwest of Pittsburg.

DRAINAGE AREA.--60.0 mi<sup>2</sup> (155 km<sup>2</sup>).

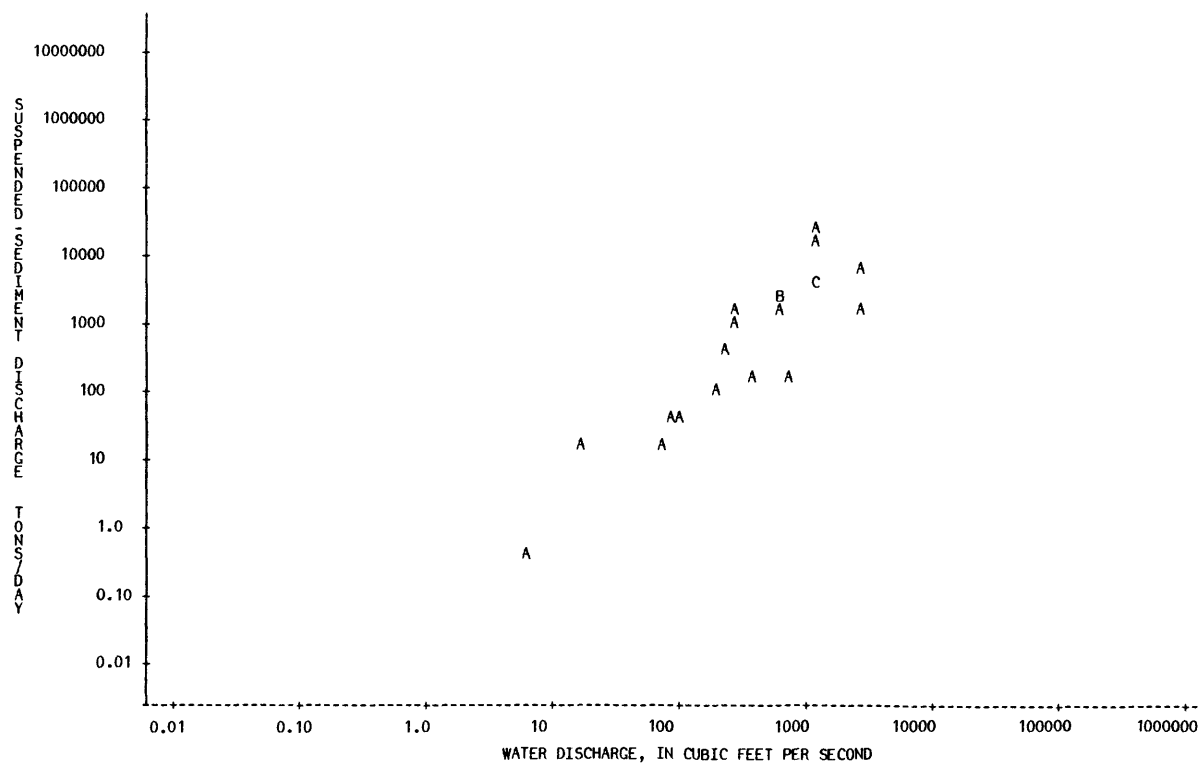
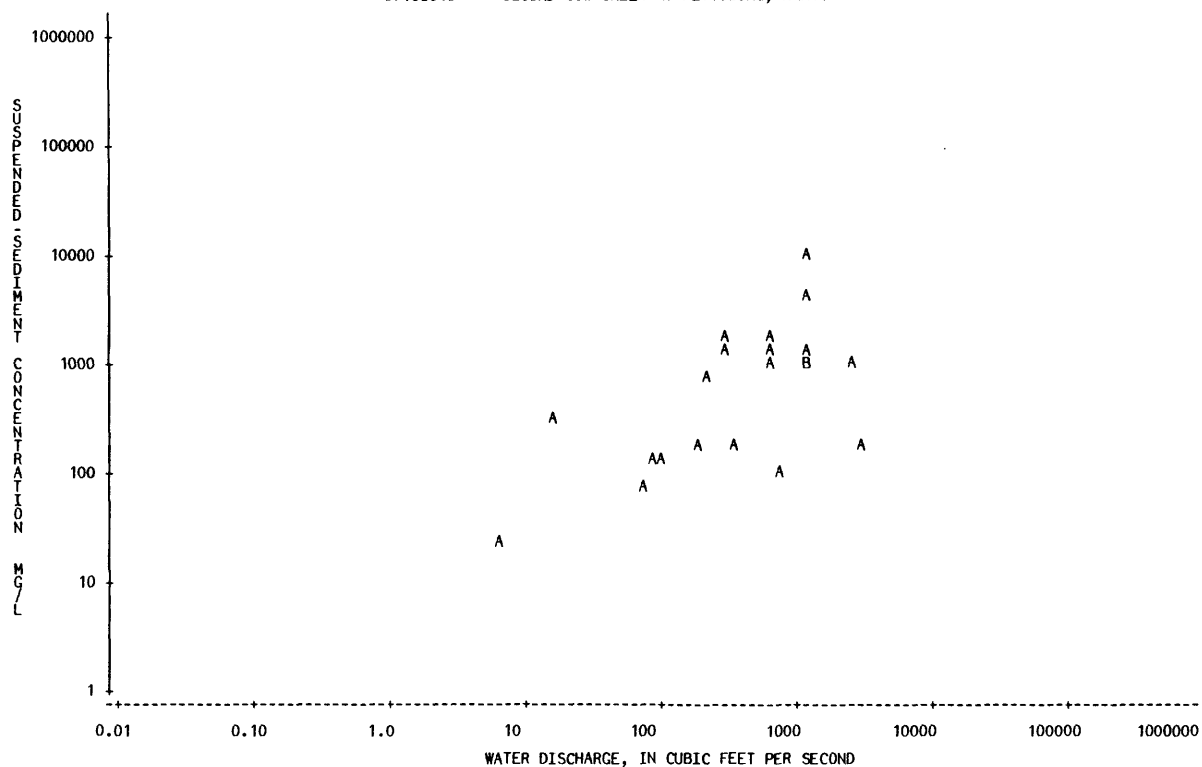
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-05-20		0400	275	1170	869
77-05-20		0830	610	1470	2420
77-06-19		1100	275	1850	1370
77-06-19		1300	610	1870	3080
77-06-19		1800	1175	1270	4030
77-06-19		2325	1200	1040	3370
77-06-20		0945	2540	1100	7540
77-06-21		1545	350	186	176
77-09-24		0920	230	777	483
77-09-24		1215	620	1050	1760
77-09-24		1715	1175	9120	28900
77-10-31		0445	1170	1100	3470
77-10-31		2200	2800	201	1520
77-11-01		0630	776	96	201
77-11-10		1145	73	67	13
78-03-24		0900	1150	4480	13900
78-05-08		1200	195	199	105
78-05-15		1755	6.2	27	0.45
78-05-19		0820	17	295	14
79-04-12		1200	105	126	36
79-10-31		1415	90	144	35

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07186010 SECOND COW CREEK AT PITTSBURG, KANS.



## ARKANSAS RIVER BASIN

07186040 COW CREEK NEAR WEIR, KANS.

LOCATION.--Lat 37°18'35", long 94°40'48", in NE 1/4 NE 1/4 NW 1/4 sec.33, T.31 S., R.25 E., Cherokee County, Hydrologic Unit 11070207, at downstream side of highway bridge, 1.5 mi (2.4 km) upstream from Brush Creek and 5.0 mi (8.0 km) east of Weir.

DRAINAGE AREA.--170 mi<sup>2</sup> (440 km<sup>2</sup>).

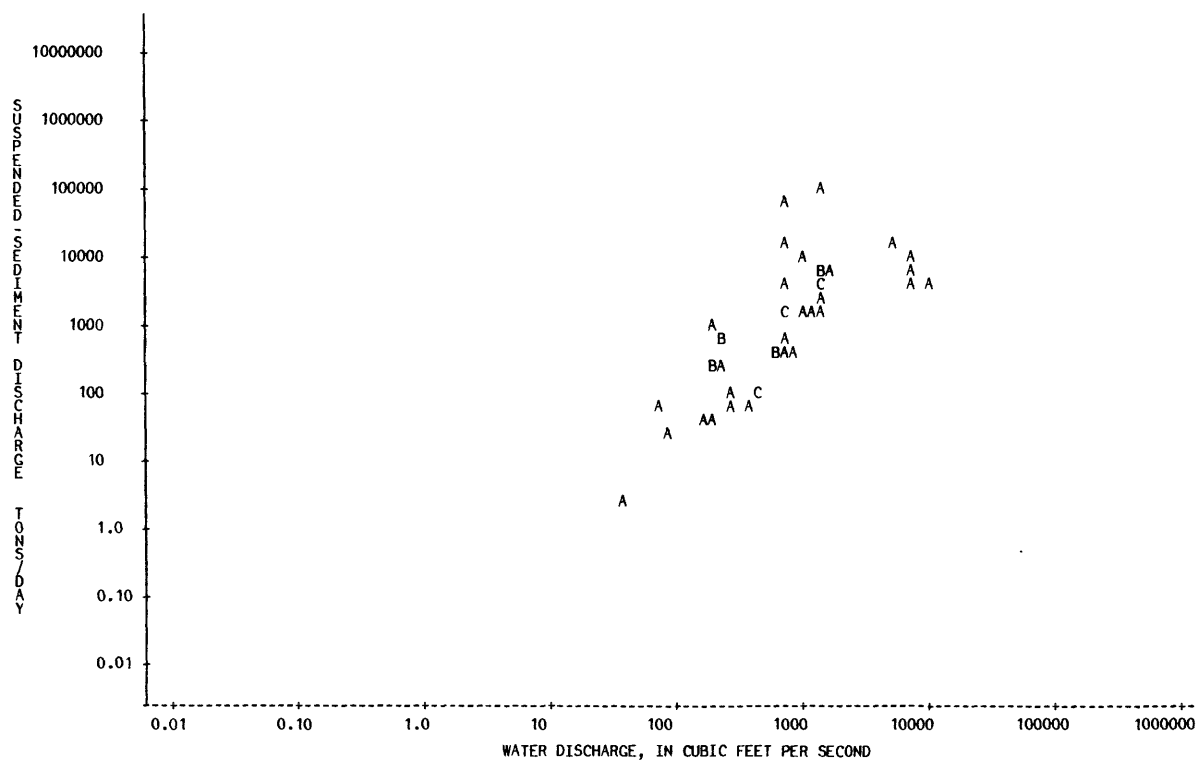
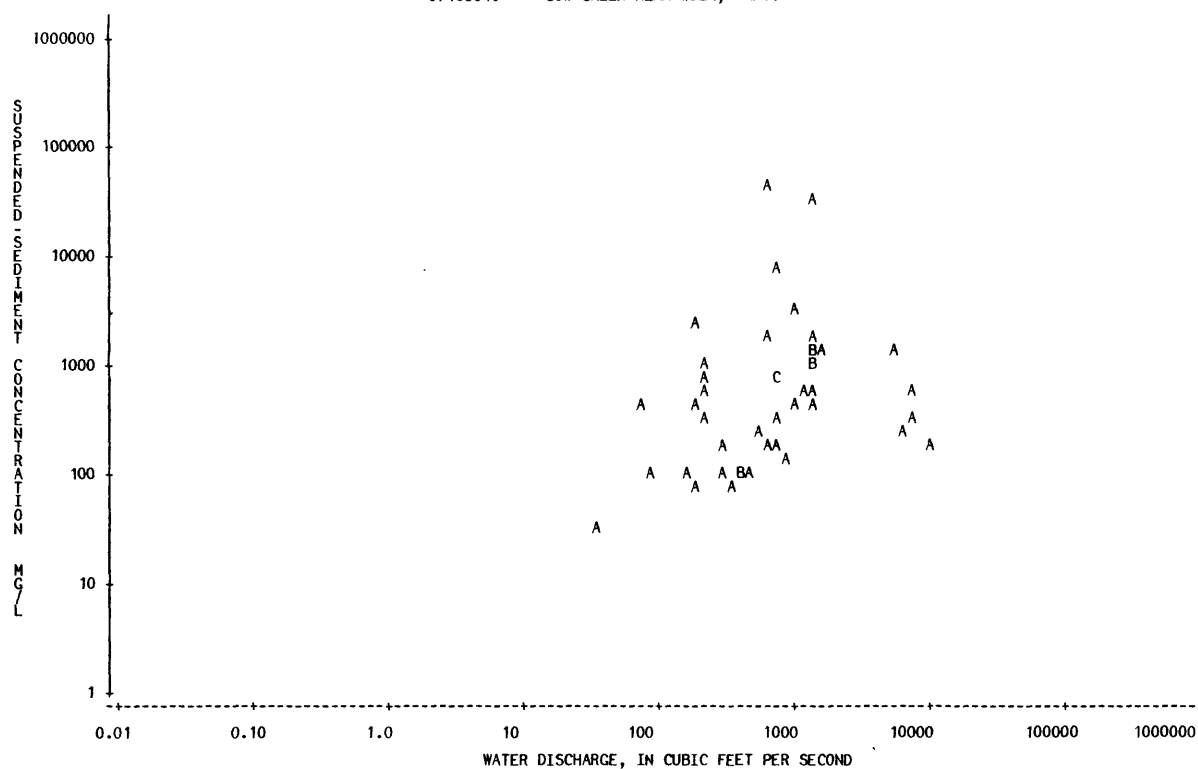
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-04-23		0130	209	366	207
77-05-02		1245	152	113	46
77-05-18		0815	76	392	80
77-05-19		1545	1330	31300	112000
77-05-20		0200	195	2370	1250
77-05-20		0330	680	1930	3540
77-05-20		0515	1330	1670	6000
77-06-19		1130	680	38900	71400
77-06-19		2115	1640	1200	5310
77-06-21		0955	6800	217	3980
77-08-11		1245	195	434	229
77-09-24		0300	231	839	523
77-09-24		0500	703	814	1550
77-10-30		2400	703	7510	14300
77-10-31		0200	1330	1510	5420
77-11-02		0830	820	149	330
77-11-10		0930	359	78	76
78-03-24		0300	1330	575	2060
78-04-11		1705	428	106	122
78-05-07		0800	231	507	316
78-05-07		1700	703	824	1560
78-05-07		1900	1330	1360	4880
78-05-08		1415	650	199	349
78-05-09		1330	200	70	38
78-05-19		0900	80	107	23
78-05-23		0700	231	1090	680
78-05-23		1900	703	690	1310
78-05-23		2400	1330	1020	3660
79-03-18		1610	35	28	2.6
79-03-19		0915	1330	967	3470
79-03-19		1345	1150	559	1740
79-03-19		1800	780	348	733
79-03-19		2115	580	268	420
79-03-20		0910	275	171	127
79-04-11		1100	1050	478	1360
79-04-11		2030	1420	421	1610
79-04-12		0730	780	201	423
79-11-20		1645	1040	3480	9770
79-11-20		2030	5050	1250	17000
79-11-21		0750	7700	499	10400
79-11-21		1645	9350	201	5070
79-11-22		0735	7400	295	5890
79-11-23		1330	420	92	104
80-02-20		1610	478	93	120
80-03-12		1300	285	92	71

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE





## ARKANSAS RIVER BASIN

07188000 SPRING RIVER NEAR QUAPAW, OKLA.

LOCATION.--Lat 36°56'04", long 94°44'45", in NE 1/4 SW 1/4 sec.5, T.28 N., R.24 E., Ottawa County, Hydrologic Unit 11070207, near center of span on downstream side of pier of county road bridge, 0.1 mi (0.2 km) upstream from Rock Creek, 3.0 mi (4.8 km) southeast of Quapaw, and at mile 13.9 (22.4 km). Records include flow of Rock Creek.

DRAINAGE AREA.--2,510 mi<sup>2</sup> (6,501 km<sup>2</sup>), includes that of Rock Creek.

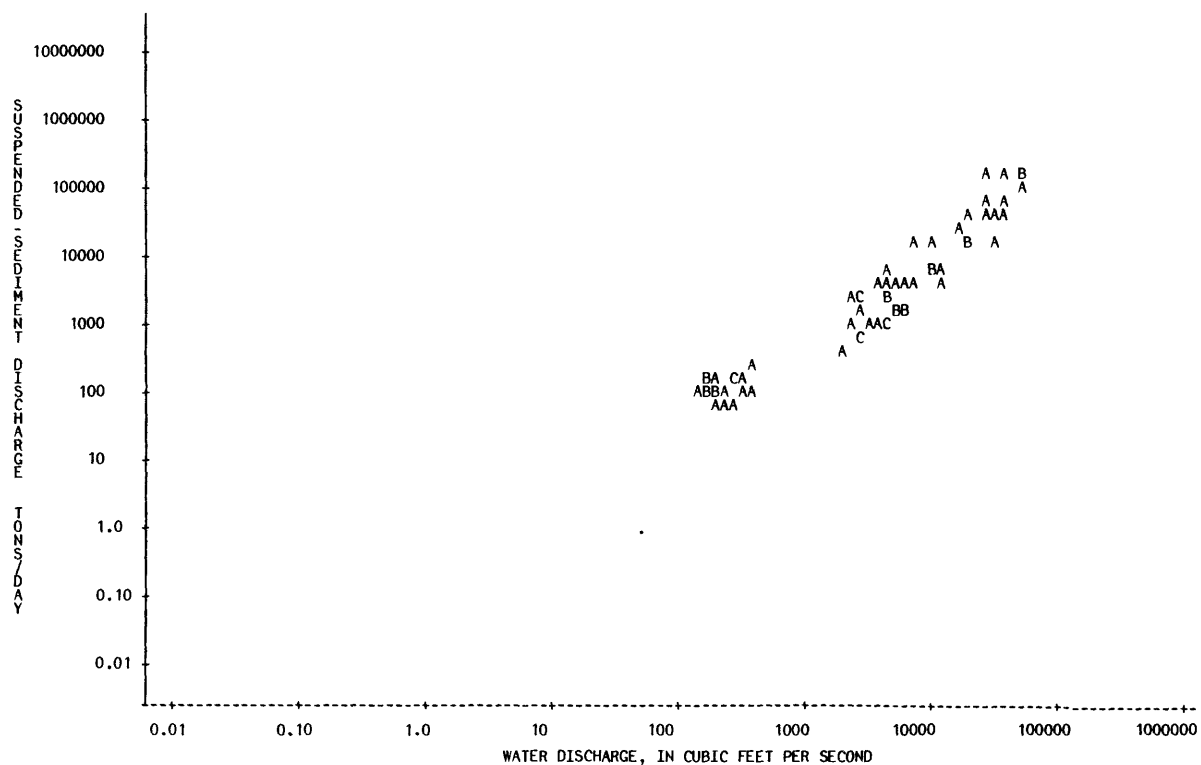
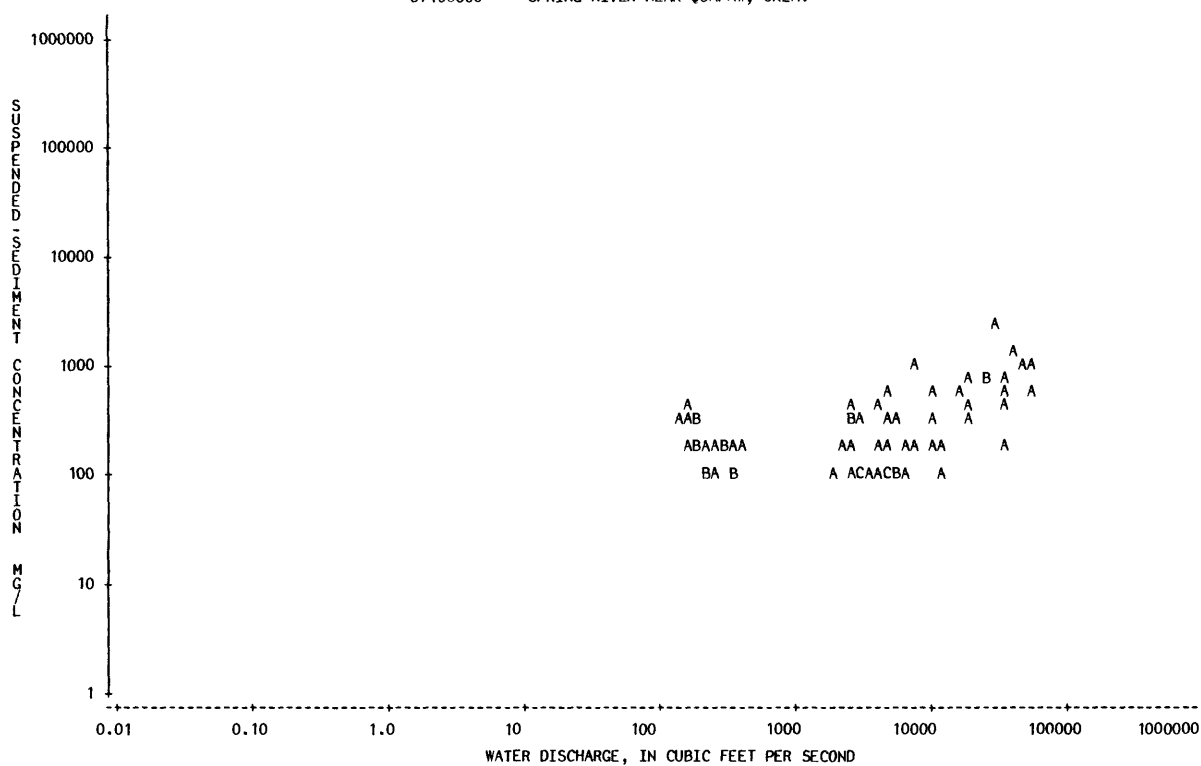
PERIOD OF RECORD.--Water years 1944-50.

REMARKS.--Occasional releases from flood gates at old Riverton Hydroelectric Plant, 15 mi (24 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-06-02			2220	200	A 1200	47-04-11			28400	2100	A 161000
44-06-16			350	100	A 94	47-04-18			2830	300	A 2290
44-06-20			26000	700	A 49100	47-04-25			48300	1000	A 130000
44-06-21			35800	500	A 48300	47-04-26			54000	900	A 131000
44-07-03			325	100	A 88	47-05-06			2710	100	A 732
44-07-18			211	100	A 57	47-06-09			2420	400	A 2610
44-07-27			4680	100	A 1260	48-05-07			1900	100	A 513
44-08-02			260	100	A 70	48-06-28			12500	100	A 3380
44-08-26			7220	1000	A 19500	49-02-16			19900	300	A 16100
44-08-27			16000	500	A 21600	49-04-28			4690	100	A 1270
44-08-31			2920	100	A 788	49-05-23			6200	100	A 1670
44-10-03			19200	800	A 41500	49-06-15			7660	200	A 4140
44-10-20			284	200	A 153	49-09-20			3050	100	A 824
44-11-02			189	300	A 153	49-10-21			4330	300	A 3510
44-11-10			171	200	A 92						
44-11-20			177	300	A 143						
45-01-24			158	400	A 171						
45-02-02			147	300	A 119						
45-02-14			155	300	A 126						
45-02-27			2600	300	A 2110						
45-03-06			5300	300	A 4290						
45-03-07			9590	300	A 7770						
45-03-10			4090	200	A 2210						
45-03-16			6420	200	A 3470						
45-03-20			25300	800	A 54600						
45-03-29			4720	200	A 2550						
45-04-14			40400	1400	A 153000						
45-04-24			9970	200	A 5380						
45-04-29			5670	100	A 1530						
45-06-01			3960	400	A 4280						
45-06-02			18330	400	A 19800						
45-06-07			34200	400	A 36900						
45-06-15			3660	100	A 988						
45-06-30			4910	100	A 1330						
45-07-06			2680	200	A 1450						
45-07-20			336	200	A 181						
45-08-01			248	200	A 134						
45-08-10			284	200	A 153						
45-08-19			216	200	A 117						
45-09-01			200	200	A 108						
45-09-11			208	100	A 56						
45-09-25			54600	600	A 88500						
45-09-27			34100	200	A 18400						
45-10-01			11500	200	A 6210						
45-10-04			4150	100	A 1120						
45-10-24			5230	100	A 1410						
46-01-04			181	200	A 98						
46-01-14			2710	300	A 2200						
46-01-23			391	200	A 211						
46-02-21			4400	500	A 5940						
46-05-01			2780	100	A 751						
46-05-31			36400	800	A 78600						
46-11-02			10400	500	A 14000						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07188000 SPRING RIVER NEAR QUAPAW, OKLA.



## ARKANSAS RIVER BASIN

07189000 ELK RIVER NEAR TIFF CITY, MO.

LOCATION.--Lat 36°37'50", long 94°35'12", in NE 1/4 sec.22, T.22 N., R.34 W., McDonald County, Hydrologic Unit 11070208, on downstream side of second pier from right bank of bridge on State Highway 43, 0.8 mi (1.3 km) downstream from Blackfoot Branch, 2.8 mi (4.5 km) upstream from Buffalo Creek, 3.0 mi (4.8 km) southeast of Tiff City, and at mile 15.8 (25.4 km).

DRAINAGE AREA.--872 mi<sup>2</sup> (2,258 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-50.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-06-16			684	200	A 369	46-02-14			10900	500	A 14700
44-06-21			8020	200	A 4330	46-02-15			4650	500	A 6280
44-07-18			194	200	A 105	46-03-01			1120	100	A 302
44-07-27			1130	300	A 915	46-03-20			1260	100	A 340
44-08-02			224	200	A 121	46-03-28			682	100	A 184
44-08-26			287	10	A 7.7	46-04-02			547	10	A 15
44-09-21			152	100	A 41	46-04-10			511	10	A 14
44-10-02			184	100	A 50	46-04-26			1830	200	A 988
44-10-19			255	100	A 69	46-05-01			1160	10	A 31
44-11-03			157	10	A 4.2	46-05-20			2910	10	A 79
44-11-11			144	10	A 3.9	46-06-01			2430	10	A 66
44-11-21			140	100	A 38	46-06-22			392	500	A 529
44-12-15			222	200	A 120	46-12-16			2100	300	A 1700
45-01-08			168	300	A 136	47-04-10			7300	1900	A 37400
45-01-24			155	500	A 209	47-04-11			15900	1600	A 68700
45-02-02			146	600	A 237	47-04-30			3100	300	A 2510
45-02-13			192	500	A 259	48-03-04			1680	100	A 454
45-03-05			3690	300	A 2990	48-03-18			772	100	A 208
45-03-06			8030	600	A 13000	48-03-19			828	100	A 224
45-03-07			10400	500	A 14000	48-05-18			899	10	A 24
45-03-10			2500	300	A 2030	48-06-26			3740	100	A 1010
45-03-19			16000	1000	A 43200	48-06-27			5830	400	A 6300
45-03-20			17300	500	A 23400	48-07-16			1360	10	A 37
45-03-22			4110	100	A 1110	48-07-21			1740	10	A 47
45-03-28			2950	300	A 2390	49-02-09			1460	10	A 39
45-04-02			2440	300	A 1980	49-03-02			728	10	A 20
45-04-11			1510	200	A 815	49-04-01			1460	10	A 39
45-04-13			20200	3900	A 213000	49-04-12			1170	10	A 32
45-04-15			56900	2200	A 338000	49-04-27			1180	10	A 32
45-04-30			1950	200	A 1050	49-05-04			1850	10	A 50
45-05-11			4010	100	A 1080	49-05-11			744	10	A 20
45-05-22			2020	100	A 545	49-05-23			2740	10	A 74
45-06-02			1310	10	A 35	49-06-03			914	10	A 25
45-06-14			3030	200	A 1640	49-06-14			2820	10	A 76
45-07-07			692	300	A 561	49-07-08			1130	100	A 305
45-07-19			458	200	A 247	49-09-20			1400	100	A 378
45-08-02			466	300	A 377	50-05-12			12200	200	A 6590
45-08-14			270	200	A 146	50-05-13			6570	100	A 1770
45-09-01			157	300	A 127						
45-09-11			191	200	A 103						
45-09-18			277	200	A 150						
45-09-25			13300	700	A 25100						
45-09-27			4340	200	A 2340						
45-10-01			4320	200	A 2330						
45-10-04			2390	200	A 1290						
45-11-20			323	200	A 174						
45-12-06			237	200	A 128						
45-12-21			197	200	A 106						
46-01-03			187	200	A 101						
46-01-11			2370	200	A 1280						
46-01-17			1260	200	A 680						
46-02-01			526	500	A 710						
46-02-12			513	400	A 554						

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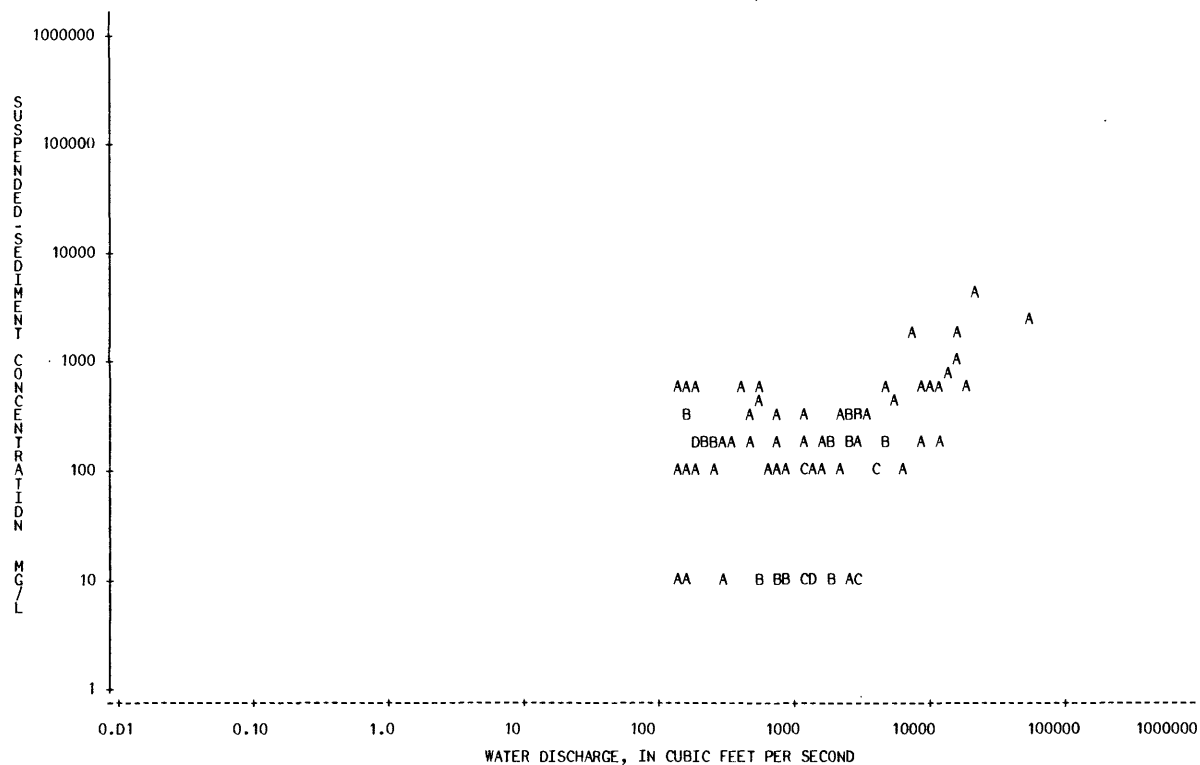
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07189000 ELK RIVER NEAR TIFF CITY, MO.



## ARKANSAS RIVER BASIN

07191500 NEOSHO RIVER NEAR CHOUTEAU, OKLA.

LOCATION.--Lat 36°14', long 95°14', in SE 1/4 SE 1/4 sec.1, T.20 N., R.19 E., Mayes County, Hydrologic Unit 11070209, on downstream side of right bank pier of county highway bridge, 5.0 mi (8.0 km) upstream from Pryor Creek, 7.5 mi (12.1 km) northeast of Chouteau, and at mile 44.7 (71.9 km).

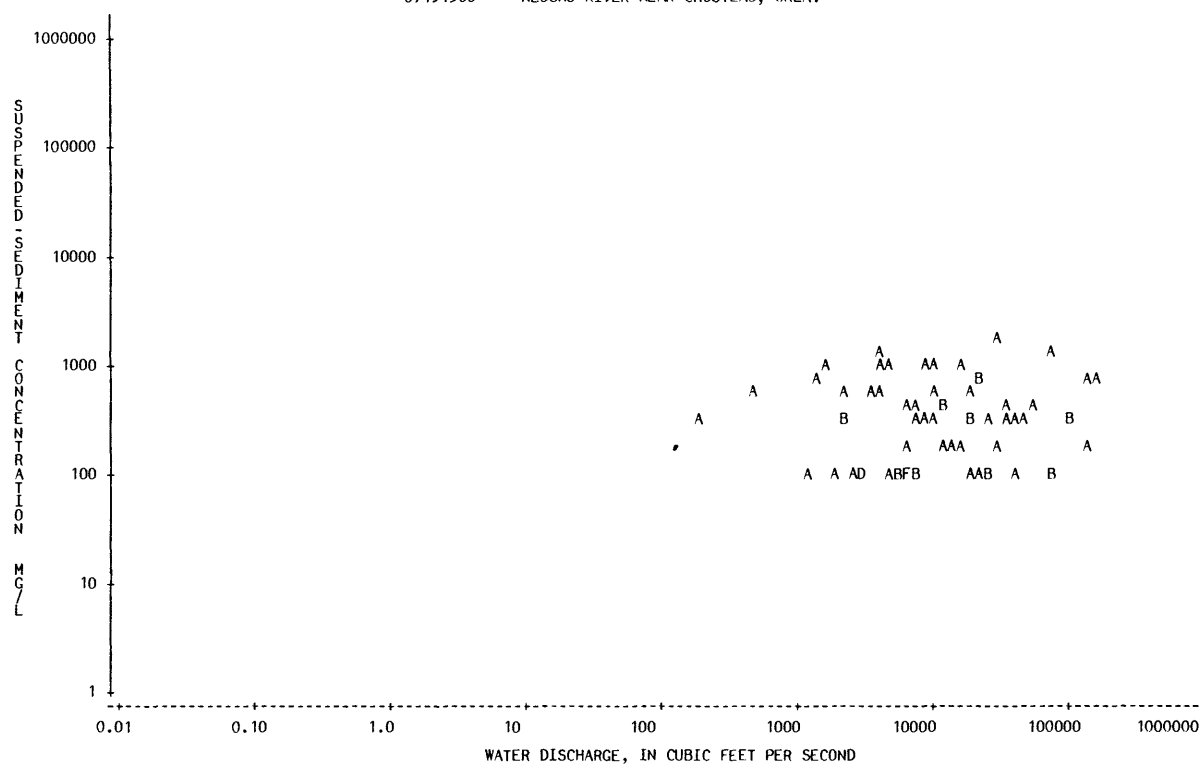
DRAINAGE AREA.--11,546 mi<sup>2</sup> (29,904 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-48.

REMARKS.--Flow completely regulated since 1940 by Pensacola Lake, 32.2 mi (52.0 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-30			4300	1000	A 11600	45-04-12			7720	100	A 2080
40-05-01			2070	500	A 2790	45-04-18			106000	300	A 85900
40-06-24			173	300	A 140	45-05-03			39100	300	A 31700
40-06-28			1640	1100	A 4870	45-05-10			21400	700	A 40400
40-06-29			3970	1400	A 15000	45-05-16			9170	300	A 7430
40-08-18			1340	700	A 2530	45-06-06			7060	100	A 1910
40-09-05			3230	500	A 4360	45-06-12			22100	100	A 5970
40-09-25			448	500	A 605	45-06-20			37100	100	A 10000
40-11-26			9840	900	A 23900	45-08-06			6630	100	A 1790
40-11-27			9500	600	A 15400	45-08-17			6210	100	A 1680
41-01-07			4360	1000	A 11800	45-08-27			5680	100	A 1530
41-01-21			28600	1900	A 147000	45-09-27			74700	100	A 20200
41-01-23			21000	800	A 45400	46-05-16			10300	300	A 8340
41-01-27			15200	1000	A 41000	47-04-08			33500	300	A 27100
41-01-31			12500	200	A 6750	47-05-21			14000	200	A 7560
41-02-26			2500	100	A 675	47-05-24			8770	900	A 21300
41-04-20			157000	700	A 297000	48-06-24			57400	400	A 62000
41-04-21			136000	800	A 294000	48-08-18			26000	100	A 7020
41-04-24			4230	500	A 5710						
41-05-21			2850	100	A 770						
41-06-03			23700	300	A 19200						
41-06-05			18300	100	A 4940						
41-06-06			6130	100	A 1660						
41-06-11			77200	100	A 20800						
41-06-18			19900	300	A 16100						
41-07-02			2150	300	A 1740						
41-08-06			2120	300	A 1720						
41-09-03			12100	400	A 13100						
41-09-05			15000	200	A 8100						
41-10-08			104000	300	A 84200						
41-10-13			17800	600	A 28800						
41-10-30			75000	1200	A 243000						
42-04-28			35300	400	A 38100						
43-05-12			135000	200	A 72900						
43-07-07			7760	300	A 6290						
43-10-28			5600	100	A 1510						
44-03-17			17400	300	A 14100						
44-05-18			6850	400	A 7400						
44-06-06			6460	400	A 6980						
44-07-31			1820	100	A 491						
44-09-25			1140	100	A 308						
44-10-06			27600	200	A 14900						
44-10-12			6340	100	A 1710						
44-10-18			6350	100	A 1710						
44-11-13			2850	100	A 770						
44-11-24			2770	100	A 748						
44-12-08			6750	200	A 3650						
44-12-19			11000	400	A 11900						
44-12-30			6380	100	A 1720						
45-02-05			3150	100	A 851						
45-02-23			4820	100	A 1300						
45-03-21			49200	300	A 39900						
45-04-03	1600	27100		100	A 7320						

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07192500 NEOSHO RIVER NEAR WAGONER, OKLA.

LOCATION.--Lat 35°56', long 95°16', on south line sec.22, T.17 N., R.19 E., Wagoner County, Hydrologic Unit 11070209, at bridge on State Highway 51, 2.2 mi (3.5 km) downstream from Higger Creek, 5.0 mi (8.0 km) southeast of Wagoner, 6 mi (9.6 km) upstream from Fourteen Mile Creek, and at mile 13.7 (22.0 km).

DRAINAGE AREA.--12,307 mi<sup>2</sup> (31,875 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1930-31, 1938-48.

REMARKS.--Station inundated since 1953 by Fort Gibson Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-10-24			1520	100	A 410	31-05-25			8190	100	A 2210
30-10-28			2960	100	A 799	31-06-10			3120	200	A 1680
30-11-04			1640	100	A 443	31-06-16			7500	100	A 2030
30-11-07			1520	100	A 410	31-07-03			1400	300	A 1130
30-11-10			1040	100	A 281	31-07-09			1160	100	A 313
30-11-13			1040	100	A 281	31-07-18			1040	100	A 281
30-11-18			1040	100	A 281	31-07-24			4170	400	A 4500
30-11-20			1280	200	A 691	31-07-30			3790	100	A 1020
30-11-24			3440	100	A 929	31-08-05			6100	600	A 9880
30-12-01			10300	500	A 13900	31-08-08			5500	100	A 1490
30-12-02			13300	300	A 10800	31-08-14			2000	100	A 540
30-12-03			11200	200	A 6050	31-08-27			1400	200	A 756
30-12-04			9110	200	A 4920	31-09-03			6700	200	A 3620
30-12-05			11000	300	A 8910	31-09-07			1760	100	A 475
30-12-07			14400	200	A 7760	38-06-24			7960	300	A 6450
30-12-13			5500	100	A 1490	38-07-11			3050	100	A 824
30-12-18			4740	100	A 1280	38-08-03			1360	200	A 734
30-12-22			4550	100	A 1230	39-07-06			3870	600	A 6270
30-12-29			3280	100	A 886	40-04-11			7660	1500	A 31000
31-01-02			2640	100	A 713	40-04-12			3130	200	A 1690
31-01-10			2000	100	A 540	40-06-24			206	300	A 167
31-01-13			2160	100	A 583	40-06-29			3960	900	A 9620
31-01-17			1880	100	A 508	40-08-18			1620	400	A 1750
31-01-21			1880	100	A 508	40-08-21			255	400	A 275
31-01-29			1640	100	A 443	40-09-06			2650	400	A 2860
31-02-06			1520	100	A 410	40-09-29			399	400	A 431
31-02-17			3980	100	A 1070	40-10-09			132	100	A 36
31-02-18			3120	100	A 842	40-11-07			210	200	A 113
31-02-21			2800	100	A 756	40-11-26			13100	1000	A 35400
31-03-02			4360	200	A 2350	40-11-27			12500	1100	A 37100
31-03-05			3980	100	A 1070	41-01-22	1300		26500	1300	A 93000
31-03-09			3600	200	A 1940	41-01-22	1800		26200	1100	A 77800
31-03-14			3440	100	A 929	41-01-23			21400	1000	A 57800
31-03-19			3280	200	A 1770	41-01-27			17000	600	A 27500
31-03-24			3600	200	A 1940	41-01-31			13800	100	A 3730
31-03-30			9340	200	A 5040	41-02-17			5270	200	A 2850
31-03-31			8650	100	A 2340	41-03-20			2400	100	A 648
31-04-01			7100	100	A 1920	41-04-18			18600	900	A 45200
31-04-06			6100	300	A 4940	41-04-19			141000	2700	A 1030000
31-04-10			5120	200	A 2760	41-04-23			46000	1200	A 149000
31-04-15			5500	300	A 4460	41-05-16			3240	100	A 875
31-04-17			5900	300	A 4780	41-06-05			23100	200	A 12500
31-04-21			6100	300	A 4940	41-06-06			17100	100	A 4620
31-04-27			11000	3400	A 101000	41-09-04			12100	200	A 6530
31-05-04			6100	200	A 3290	41-09-11			46400	100	A 12500
31-05-08			5900	100	A 1590	41-10-10			85000	300	A 68900
31-05-12			5500	200	A 2970	41-10-13			19000	400	A 20500
31-05-15			4360	200	A 2350	41-10-16			76600	500	A 103000
31-05-19			3440	100	A 929	41-10-19			43200	500	A 58300
31-05-20			7100	300	A 5750	41-10-31			121000	1100	A 359000
31-05-21			31720	500	A 42800	42-04-09			73300	500	A 99000
31-05-23			12500	200	A 6750	42-04-13			56600	300	A 45800
31-05-24			9800	300	A 7940	42-05-06			6360	500	A 8590

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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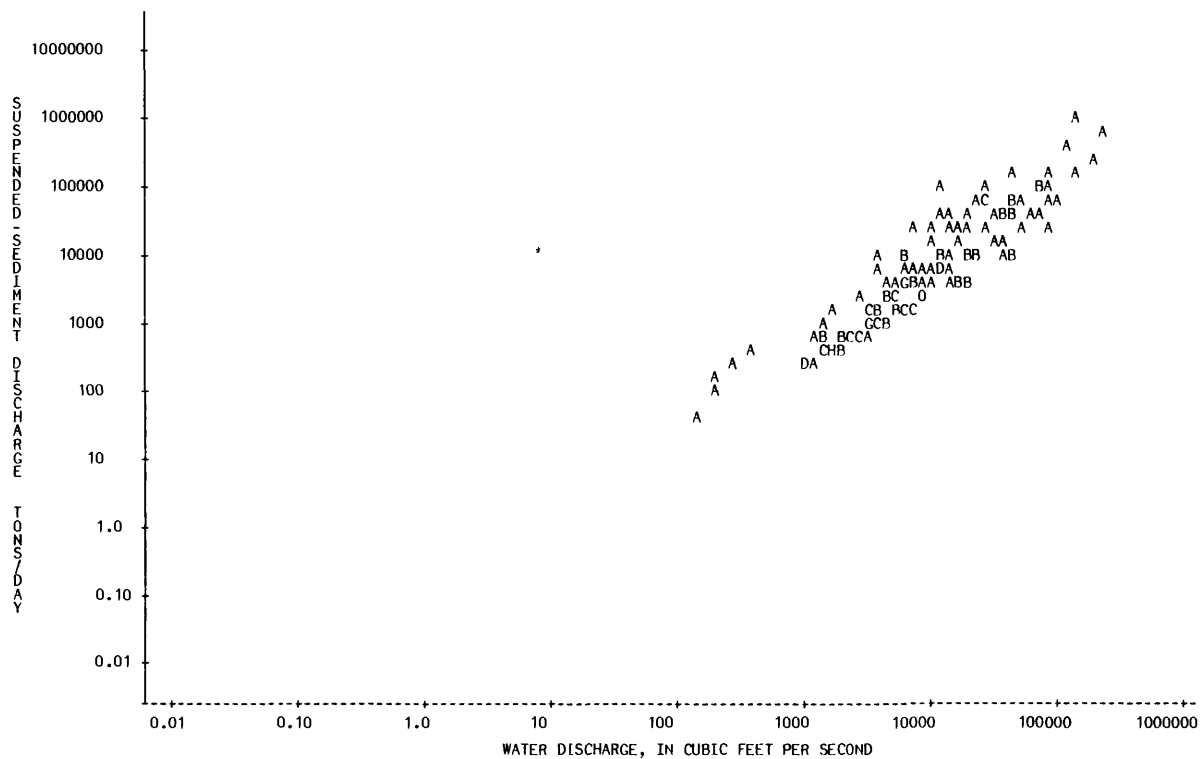
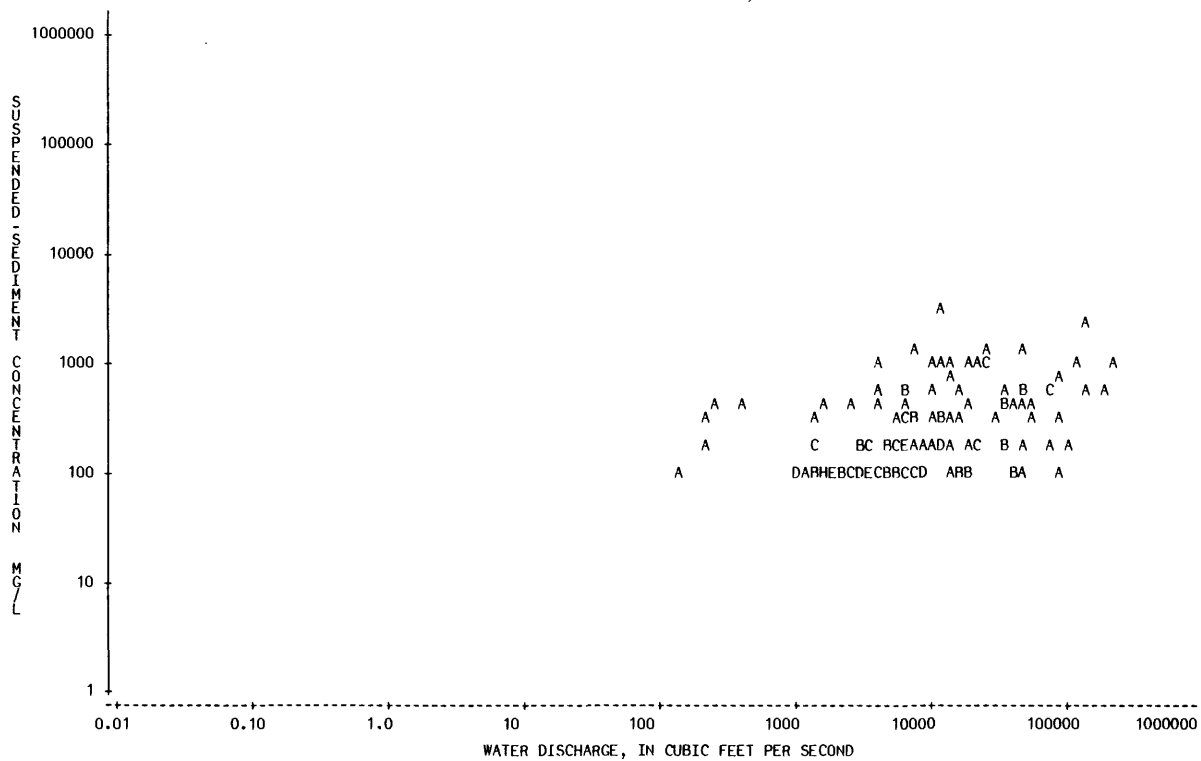


DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-06-10			13400	800	A 28900						
42-09-07			47000	400	A 50800						
43-05-11			212000	1000	A 572000						
43-05-13			133000	500	A 180000						
43-05-22			198000	600	A 321000						
43-07-06			7500	200	A 4050						
43-10-26			6060	100	A 1640						
43-11-21			1650	100	A 446						
44-06-09			25500	1000	A 68900						
44-06-23			42200	400	A 45600						
44-07-14			6220	200	A 3360						
44-09-06			8840	100	A 2390						
44-09-18			1400	100	A 378						
44-10-06			28700	300	A 23200						
44-10-23			1520	100	A 410						
44-11-06			1500	100	A 405						
44-11-13			1440	100	A 389						
45-01-03			6420	200	A 3470						
45-01-15			2230	100	A 602						
45-02-05			2580	100	A 697						
45-03-02			16200	300	A 13100						
45-03-21			52600	400	A 56800						
45-04-04			18200	200	A 9830						
45-04-12			8580	100	A 2320						
45-05-16			11300	300	A 9150						
45-05-29			36500	400	A 39400						
45-05-30			46200	600	A 74800						
45-06-12			26200	900	A 63700						
45-06-20			37800	100	A 10200						
45-07-24			7120	100	A 1920						
45-08-17			6340	200	A 3420						
45-08-27			5880	400	A 6350						
45-09-03			5880	100	A 1590						
45-09-27			83500	100	A 22500						
45-10-03			32100	200	A 17300						
46-01-16			18600	100	A 5020						
46-05-14			16600	100	A 4480						
46-06-04			36800	200	A 19900						
46-06-27			21000	200	A 11300						
47-04-09			34600	400	A 37400						
47-04-28			77200	200	A 41700						
47-07-03			22000	200	A 11900						
48-05-12			12400	200	A 6700						
48-05-25			10100	900	A 24500						
48-06-23			86000	800	A 186000						
48-06-24			79500	500	A 107000						
48-06-28			98800	200	A 53400						
48-07-07			17900	100	A 4830						
48-07-19			42800	100	A 11600						
48-07-22			49100	200	A 26500						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07192500 NEOSHO RIVER NEAR WAGONER, OKLA.



## ARKANSAS RIVER BASIN

07193500 NEOSHO RIVER BELOW FORT GIBSON LAKE NEAR FORT GIBSON, OKLA.

LOCATION.--Lat 35°51'15", Long 95°13'45", in SE 1/4 NW 1/4 sec.19, T.16 N., R.19 E., Cherokee County, Hydrologic Unit 11070209, on left bank 1.1 mi (1.8 km) downstream from Fort Gibson Dam, 4.5 mi (7.2 km) north of Fort Gibson, and at mile 6.6 (10.6 km).

DRAINAGE AREA.--12,495 mi<sup>2</sup> (32,362 km<sup>2</sup>).

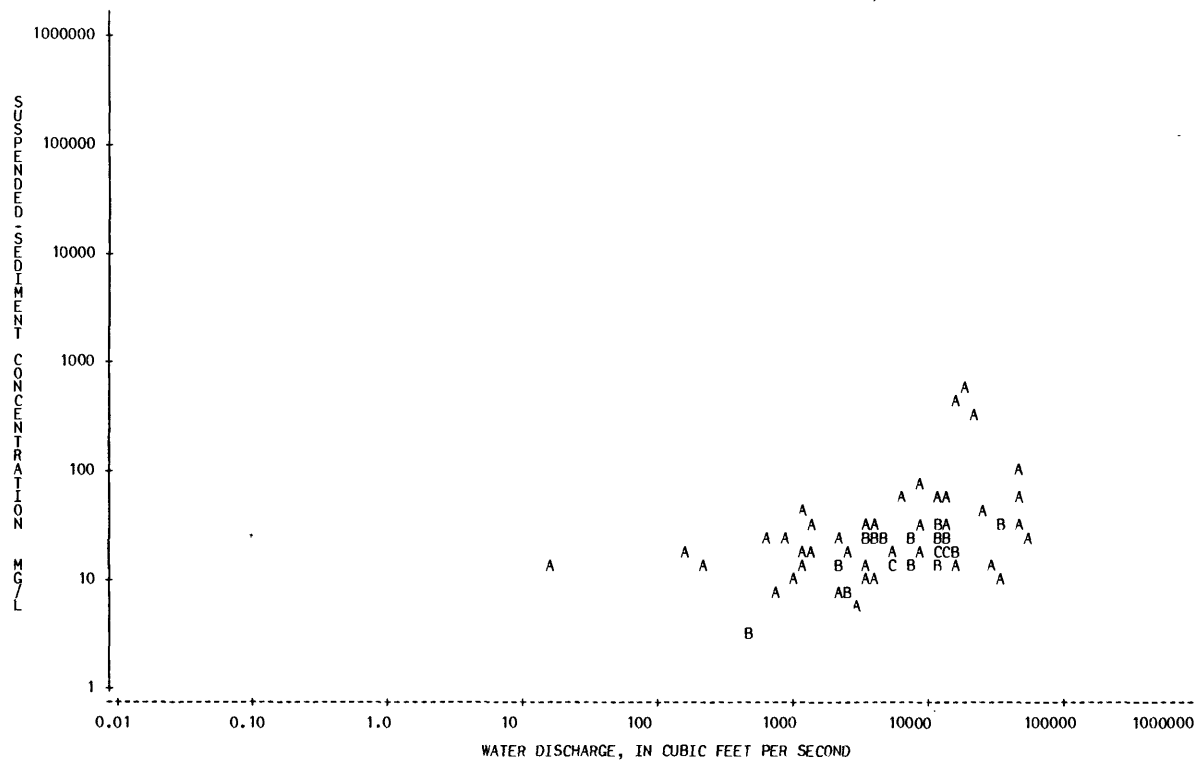
PERIOD OF RECORD.--Water years 1973-80.

REMARKS.--Flow completely regulated by Fort Gibson Lake since 1953. Numerous upstream floodwater-retarding structures. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-01-24	1145		36200	35	3420	78-10-30	1330		709	*	15
73-02-21	1115		10900	23	677	78-11-16	0830		4540	*	282
73-03-21	1500		46000	30	3730	78-12-15	0850		1380	*	75
73-05-16	1100		34000	28	2570	79-01-11	0920		1460	*	118
73-06-20	1300		11800	18	573	79-02-28	0850		11800	*	892
73-07-25	1500		3480	15	141	79-03-27	1000		13800	*	1340
73-08-22	1100		11100	12	360	79-04-25	1130		7600	*	431
73-09-26	1200		5840	17	268	79-05-09	1400		8090	*	1490
74-01-31	1200		13700	17	629	79-06-12	1130		26600	*	2940
74-03-26	1300		44700	51	6160	79-07-02	1200		14500	*	2350
74-04-26	1400		6200	63	1050	79-08-01	1200		11600	*	1100
74-05-31	1200		15700	467	19800	79-09-04	1330		3800	*	359
74-06-20	1300		50400	21	2860	79-10-10	1515		603	*	37
74-07-31	1300		457	3	3.7	79-11-27	1300		13900	*	713
74-08-28	1200		2280	24	148	79-12-19	1030		11700	*	853
74-09-24	1300		8300	32	717	80-01-23	0850		1150	*	118
74-10-30	1100		3610	*	26	80-02-26	1130		8850	*	382
74-11-21	1000		47200	*	114	80-03-12	0930		5470	*	192
75-02-26	1000		22100	*	319	80-04-16	0930		16000	*	605
75-03-11	1300		34400	*	11	80-05-21	1000		215	*	7.5
75-04-22	1200		11800	*	15	80-06-10	1030		15	*	0.57
75-05-21	1030		3400	*	30	80-07-08	0930		1080	*	26
75-06-18	1030		18200	*	496	80-08-06	0900		2580	*	56
75-07-15	1530		4800	*	23	80-09-10	0930		2100	*	45
75-08-27	1500		4180	*	26						
76-01-28	1530		1260	*	20						
76-04-28	1030		16300	*	19						
76-06-29	1130		13100	*	26						
76-08-24	1000		3230	*	10						
76-09-28	1245		5130	*	15						
76-11-17	0830		151	*	17						
76-11-29	1345		3840	*	10						
76-12-21	1000		2430	*	17						
77-01-20	0920		461	*	3						
77-02-16	1100		855	*	23						
77-03-30	1230		6840	*	12						
77-04-20			1180	*	14						
77-05-24	1230		3690	*	26						
77-06-14	1155		2090	*	15						
77-07-19	1400		10900	*	17						
77-08-23	1330		11400	*	18						
77-09-21	1200		7230	*	22						
77-10-19	0800		11400	*	52						
77-11-17	0830		15400	*	16						
77-12-13	1500		3970	*	21						
78-01-09	1600		5540	*	14						
78-02-27	1715		7390	*	12						
78-03-07	0930		14700	*	20						
78-04-04	0900		30900	*	14						
78-05-01	1445		14400	*	22						
78-07-25	1630		3150	*	6						
78-08-01	1700		2540	*	8						
78-09-11	1430		2260	*	14						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07193500 NEOSHO RIVER BELOW FORT GIBSON LAKE NEAR FORT GIBSON, OKLA.



## ARKANSAS RIVER BASIN

07194500 ARKANSAS RIVER NEAR MUSKOGEE, OKLA.

LOCATION.--Lat 35°46', long 95°18', in NW 1/4 sec.21, T.15 N., R.19 E., Muskogee County, Hydrologic 11110102, at bridge on U.S. Highways 62 and 64, 1.7 mi (2.7 km) downstream from Neosho River, 3.5 mi (5.6 km) northeast of Muskogee, and at mile 457.8 (736.6 km).

DRAINAGE AREA.--96,674 mi<sup>2</sup> (250,386 km<sup>2</sup>), of which 12,541 mi<sup>2</sup> (32,481 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1943-71.

REMARKS.--Flow regulated since September 1964 by Keystone Lake, slightly by John Martin Reservoir, since 1941 by Great Salt Plains Lake, since 1953 by Fort Gibson Lake, since 1964 by Lake Hudson, and since 1940 by Lake O' The Cherokees.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-18			30000	200	A 16200	44-05-10			74700	1400	A 282000
43-06-22			14200	300	A 11500	44-05-17			20500	800	A 44300
43-06-29			68300	1000	A 184000	44-05-24			21100	3700	A 211000
43-07-07			12400	600	A 20100	44-06-01			27300	1300	A 95800
43-07-14			9600	300	A 7780	44-06-07			17900	1500	A 72500
43-07-21			9750	500	A 13200	44-06-08			16900	1000	A 45600
43-07-28			9580	500	A 12900	44-06-16			44700	4200	A 507000
43-08-03			5200	200	A 2810	44-06-22			44900	2400	A 291000
43-08-06			6790	400	A 7330	44-08-04			8050	900	A 19600
43-08-12			4400	200	A 2380	44-08-10			7050	400	A 7610
43-08-19			4100	300	A 3320	44-08-18			6420	200	A 3470
43-08-26			3600	200	A 1940	44-08-23			8660	700	A 16400
43-09-01			2300	100	A 621	44-08-31			17100	1000	A 46200
43-09-08			2690	400	A 2910	44-09-08			14800	1000	A 40000
43-09-09			2920	100	A 788	44-09-14			7160	500	A 9670
43-09-15			2690	200	A 1450	44-09-27			4600	100	A 1240
43-09-22			2000	400	A 2160	44-10-07			103100	2100	A 585000
43-09-29	0001		2200	100	A 594	44-10-13			17600	400	A 19000
43-09-29	0002		2300	100	A 621	44-10-21			11400	100	A 3080
43-10-06			4300	300	A 3480	44-10-26			9200	100	A 2480
43-10-13			4590	300	A 3720	44-11-04			6200	100	A 1670
43-10-14			4620	100	A 1250	44-11-10			12800	1300	A 44900
43-10-21			2700	100	A 729	44-11-16			12300	600	A 19900
43-10-27			18900	2300	A 117000	44-11-23			10700	400	A 11600
43-11-04			8180	500	A 11000	44-11-30			8130	200	A 4390
43-11-09			7400	100	A 2000	44-12-14			23600	800	A 51000
43-11-10			4000	300	A 3240	44-12-22			20600	500	A 27800
43-11-22			3500	200	A 1890	44-12-29			13200	200	A 7130
43-11-24			3000	100	A 810	45-01-12			10200	100	A 2750
43-12-01			2350	300	A 1900	45-01-19			8320	300	A 6740
43-12-09			3150	100	A 851	45-01-26			9000	200	A 4860
43-12-15			5660	200	A 3060	45-02-01			8550	200	A 4620
43-12-22			3830	1100	A 11400	45-02-06			10400	200	A 5620
43-12-30			7100	300	A 5750	45-02-12			7050	200	A 3810
44-01-05			5200	500	A 7020	45-02-23			21000	200	A 11300
44-01-12			4150	200	A 2240	45-02-24			17800	100	A 4810
44-01-19			4150	600	A 6720	45-03-01			14000	400	A 15100
44-01-27			4970	300	A 4030	45-03-06			38900	900	A 94500
44-02-03			7050	300	A 5710	45-03-14			17300	500	A 23400
44-02-08			5310	400	A 5730	45-03-31			58100	1000	A 157000
44-02-09			24200	2200	A 144000	45-04-04			43900	1000	A 119000
44-02-17			10500	300	A 8510	45-04-09			21400	700	A 40400
44-02-23			6400	200	A 3460	45-05-02			112700	1100	A 335000
44-03-01			21700	1000	A 58600	45-05-09			38500	400	A 41600
44-03-08			12200	300	A 9880	45-05-18			26200	500	A 35400
44-03-20			67500	2500	A 456000	45-05-24			18600	100	A 5020
44-03-29			46900	900	A 114000	45-06-01			34500	300	A 27900
44-04-05			14700	500	A 19800	45-06-07			13000	300	A 10500
44-04-13			131200	4100	A 1450000	45-06-13			46900	1300	A 165000
44-04-19			157000	1100	A 466000	45-06-21			57700	1000	A 156000
44-04-26			162900	7400	A 3250000	45-06-28			17600	800	A 38000
44-04-27			178000	4400	A 2110000	45-07-06			76700	1200	A 249000
44-05-04			160000	1800	A 778000	45-07-12			38400	1400	A 145000

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 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-07-20			15300	600	A 24800	47-09-30			1740	400	A 1880
45-07-26			12600	200	A 6800	47-10-14			1470	400	A 1590
45-08-02			13000	200	A 7020	48-01-08			3560	100	A 961
45-08-09			9940	500	A 13400	48-01-28			3120	300	A 2530
45-08-20			9350	300	A 7570	48-02-18			3850	200	A 2080
45-08-31			8200	100	A 2210	48-03-16			10900	400	A 11800
45-09-05			7600	100	A 2050	48-03-24			61300	1900	A 314000
45-09-14			3070	100	A 829	48-03-31			20200	300	A 16400
45-09-19			2800	300	A 2270	48-04-05			10400	300	A 8420
45-09-28			138200	1300	A 485000	48-04-15			10300	100	A 2780
45-10-02			214600	2800	A 1620000	48-04-19			6190	100	A 1670
45-10-10			127600	300	A 103000	48-04-29			35000	2200	A 208000
45-10-17			11600	300	A 9400	48-05-07			9700	400	A 10500
45-10-24			38000	400	A 41000	48-05-12			27800	1500	A 113000
45-10-30			10600	200	A 5720	48-05-14			35300	2800	A 267000
45-11-13			5380	100	A 1450	48-05-20			8990	300	A 7280
45-11-20			4990	100	A 1350	48-05-28			10600	400	A 11400
45-11-28			5590	100	A 1510	48-06-04			6410	200	A 3460
45-12-04			4040	200	A 2180	48-06-10			5450	200	A 2940
45-12-11			3970	200	A 2140	48-06-16			4870	200	A 2630
45-12-18			3870	200	A 2090	48-06-28			174200	900	A 423000
46-01-02			4540	200	A 2450	48-07-03			140000	1200	A 454000
46-01-09			75300	800	A 163000	48-07-09			30300	1200	A 98200
46-01-16			34600	300	A 28000	48-07-14			79200	1700	A 364000
46-01-23			13600	100	A 3670	48-07-21			123800	1400	A 468000
46-01-29			10000	100	A 2700	48-07-29			136500	600	A 221000
46-02-06			10400	100	A 2810	48-08-04			59500	500	A 80300
46-02-13			15400	700	A 29100	48-08-13			64100	1700	A 294000
46-02-21			70400	900	A 171000	48-08-18			107400	2500	A 725000
46-02-26			19000	500	A 25700	48-08-24			22300	1200	A 72300
46-03-06			14600	200	A 7880	48-09-03			12100	400	A 13100
46-03-14			20700	600	A 33500	48-09-10			7300	100	A 1970
46-03-21			27000	700	A 51000	48-09-24			6670	100	A 1800
46-03-27			23600	500	A 31900	48-10-06			5960	100	A 1610
46-04-03			12500	600	A 20300	48-11-04			15700	1300	A 55100
46-04-11			8950	300	A 7250	48-11-09			9180	600	A 14900
46-04-17			8680	200	A 4690	48-11-17			6190	300	A 5010
46-04-25			10400	600	A 16800	48-12-09			8490	200	A 4580
46-05-14			21200	700	A 40100	48-12-23			5420	100	A 1460
46-05-21			22000	400	A 23800	48-12-27			4890	100	A 1320
46-05-28			21100	200	A 11400	49-01-06			5840	200	A 3150
46-06-01			33700	100	A 9100	49-01-13			9460	200	A 5110
46-06-11			6380	200	A 3450	49-01-18			32700	1900	A 168000
46-06-20			4300	200	A 2320	49-02-17			106300	2100	A 603000
46-06-26			23100	2300	A 143000	49-02-25			70900	800	A 153000
46-07-02			24800	2700	A 181000	49-03-01			45000	700	A 85100
46-07-11			8600	200	A 4640	49-03-12			25800	200	A 13900
46-07-17			4380	200	A 2370	49-03-14			27100	200	A 14600
46-07-24			3480	200	A 1880	49-03-21			30700	400	A 33200
46-07-31			3740	200	A 2020	49-03-28			31800	500	A 42900
46-08-07			3480	100	A 940	49-04-07			24000	1700	A 110000
46-08-14			2900	100	A 783	49-04-12			40100	3200	A 346000
46-08-28			3340	200	A 1800	49-04-20			17000	300	A 13800
46-09-04			3510	400	A 3790	49-04-29			11100	100	A 3000
46-09-10			3310	400	A 3570	49-05-02			59100	2100	A 335000
46-09-18			3140	200	A 1700	49-05-17			22400	400	A 24200
46-09-25			3360	300	A 2720	49-05-20			208000	3000	A 1680000
46-10-02			3240	200	A 1750	49-05-27			167100	1600	A 722000
46-10-09			3020	100	A 815	49-06-07			55500	600	A 89900
46-10-15			4300	5400	A 62700	49-06-14			74400	2400	A 482000
46-10-23			6060	2900	A 47400	49-06-29			33500	1600	A 145000
46-10-30			5000	500	A 6750	49-07-06			15500	100	A 4190
46-11-14			11200	2600	A 78600	49-07-12			53300	800	A 115000
46-11-21			6700	800	A 14500	49-07-20			22900	1100	A 68000
46-11-26			5000	1300	A 17600	49-07-28			23600	800	A 51000
46-12-05			4600	200	A 2480	49-08-02			18000	400	A 19400
46-12-13			32300	600	A 52300	49-08-09			11100	400	A 12000
46-12-18			8640	600	A 14000	49-08-15			7580	200	A 4090
46-12-23			7270	600	A 11800	49-08-22			6510	300	A 5270
47-01-02			4250	400	A 4590	49-08-29			4970	100	A 1340
47-01-09			4220	300	A 3420	49-09-06			4780	100	A 1290
47-01-15			5550	300	A 4500	49-09-16			23700	700	A 44800
47-01-20			8990	200	A 4850	49-09-19			14800	800	A 32000
47-02-03			4250	700	A 8030	49-09-26			13000	900	A 31600
47-02-10			3740	300	A 3030	49-10-04			7940	100	A 2140
47-02-26			4080	100	A 1100	49-10-27			16100	1400	A 60900
47-03-11			2750	700	A 5200	49-11-02			9100	500	A 12300
47-04-22			102500	1100	A 304000	49-11-07			6280	200	A 3390
47-05-01			95800	800	A 207000	49-11-14			5930	100	A 1600
47-05-08			19500	500	A 26300	49-11-21			5300	100	A 1430
47-05-15			39000	2300	A 242000	49-12-01			5900	300	A 4780
47-05-27			86200	1200	A 279000	49-12-05			5810	100	A 1570
47-06-13			32200	800	A 69600	49-12-19			5000	300	A 4050
47-06-26			44600	1900	A 229000	49-12-27			5630	200	A 3040
47-07-09			19800	200	A 10700	50-01-05			7970	300	A 6460
47-07-23			6700	800	A 14500	50-01-12			11900	100	A 3210
47-08-28			4330	400	A 4680	50-01-16			14400	400	A 15600
47-09-03			2010	200	A 1090	50-01-23			9990	200	A 5390
47-09-16			1740	600	A 2820	50-01-30			6930	200	A 3740

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
50-02-06			7940	200	A 4290	55-09-26			835	20	A 45
50-02-17			14400	500	A 19400	55-10-06			101000	3180	A 867000
50-02-20			12900	300	A 10400	55-10-08			62200	3210	A 539000
50-03-01			13600	600	A 22000	55-10-10			29400	760	A 60300
50-03-06			12900	200	A 6970	55-10-20			4260	170	A 1960
50-03-16			11900	100	A 3210	55-10-24			3020	140	A 1140
50-03-24			8350	100	A 2250	55-10-31			2280	120	A 739
50-03-27			8010	400	A 8650	55-11-08			2040	50	A 275
50-04-03			6640	200	A 3590	55-11-15			1910	60	A 309
50-04-20			4110	100	A 1110	55-11-23			1690	110	A 502
50-04-21			6320	100	A 1710	55-11-30			1500	40	A 162
50-04-24			6120	100	A 1650	55-12-05			1550	50	A 209
50-05-01			18000	1400	A 68000	55-12-14			1650	20	A 89
50-11-01			2570	100	A 694	55-12-20			1790	30	A 145
50-11-16			7720	100	A 2080	55-12-27			1970	60	A 319
51-02-23			34000	1000	A 91800	56-01-04			1430	50	A 193
51-03-07			20000	200	A 10800	56-01-09			1190	40	A 129
51-05-05			82100	3000	A 665000	56-01-17			1220	110	A 362
51-05-19			21200	400	A 22900	56-01-25			3160	220	A 1880
51-05-26			134000	2400	A 868000	56-01-31			1490	60	A 241
51-06-08			24900	1100	A 74000	56-02-07			1140	80	A 246
51-06-25			90300	3200	A 780000	56-02-14			1400	60	A 227
51-07-05			242000	1600	A 1050000	56-02-27			1460	130	A 512
51-07-11			142000	700	A 268000	56-03-05			1410	130	A 495
51-12-26			10300	300	A 8340	56-03-13			1310	50	A 177
52-02-27			22500	500	A 30400	56-03-19			895	50	A 121
52-03-14			74900	2100	A 425000	56-03-28			1040	20	A 56
52-04-02			19900	200	A 10700	56-04-04			1310	80	A 283
52-04-23			50600	800	A 109000	56-04-11			1080	60	A 175
52-05-16			14500	300	A 11700	56-04-18			2790	80	A 603
52-06-04			11900	300	A 9640	56-04-25			1540	100	A 416
52-06-27			5880	100	A 1590	56-05-02			1590	60	A 258
52-08-25			3170	300	A 2570	56-05-09			882	180	A 429
52-09-03			2420	300	A 1960	56-05-15			1840	100	A 497
52-09-30			2480	200	A 1340	56-05-16			12600	420	A 14300
52-10-15			1080	100	A 292	56-05-21			7600	80	A 1640
52-11-03			1110	100	A 300	56-05-29			1320	80	A 285
52-11-18			1300	100	A 351	56-06-04			3740	260	A 2630
53-02-27			2040	100	A 551	56-06-12			1970	110	A 585
53-03-20			7040	600	A 11400	56-06-19			1570	730	A 3090
53-04-09			12800	700	A 24200	56-06-26			3100	110	A 921
53-04-27			13400	600	A 21700	56-07-02			1200	1000	A 3240
53-05-14			35500	1600	A 153000	56-07-09			1040	70	A 197
53-05-27			8850	200	A 4780	56-07-16			1280	60	A 207
53-06-19			1930	100	A 521	56-07-23			1090	60	A 177
53-06-30			1860	130	A 653	56-07-31			1480	70	A 280
53-07-21			8410	2260	A 51300	56-08-06			815	20	A 44
53-08-17			3010	680	A 5530	56-08-13			677	40	A 73
53-09-02			1640	140	A 620	56-08-20			326	50	A 44
53-09-28			626	100	A 169	56-08-27			185	40	A 20
53-10-12			525	100	A 142	56-09-04			358	60	A 58
53-10-29			1900	120	A 616	56-09-10			200	80	A 43
53-11-17			905	30	A 73	56-09-17			351	110	A 104
53-12-15			1830	290	A 1430	56-09-24			186	10	A 5.0
53-12-28			1050	60	A 170	56-10-03			352	30	A 29
54-01-28			1130	40	A 122	56-10-08			89	30	A 7.2
54-02-09			1140	30	A 92	56-10-15			188	50	A 25
54-03-01			1220	20	A 66	56-10-25			457	120	A 148
54-03-16			1010	30	A 82	56-10-30			348	60	A 56
54-04-05			1320	60	A 214	56-11-05			539	270	A 393
54-04-20			1140	90	A 277	56-11-14			592	60	A 96
54-05-04			62300	2560	A 431000	56-11-19			372	130	A 131
54-05-12			12500	340	A 11500	56-11-26			317	30	A 26
54-06-10			7510	310	A 6290	56-12-04			424	40	A 46
54-06-30			1770	70	A 335	56-12-10			566	510	A 779
54-07-15			1190	50	A 161	56-12-17			421	40	A 45
54-07-27			457	80	A 99	56-12-26			1480	70	A 280
54-08-17			368	90	A 89	56-12-31			611	40	A 66
54-09-03			480	80	A 104	57-01-08			1320	30	A 107
54-09-23			207	60	A 34	57-01-14			406	50	A 55
54-10-18			1180	420	A 1340	57-01-29			736	70	A 139
54-10-28			12800	2190	A 75700	57-02-05			4080	20	A 220
54-11-18			1140	80	A 246	57-02-11			823	190	A 422
54-12-07			934	40	A 101	57-02-18			595	100	A 161
55-01-04			4700	80	A 1020	57-02-25			8700	80	A 1880
55-01-26			5850	50	A 790	57-03-05			4810	40	A 519
55-02-15			1340	40	A 145	57-03-13			1470	100	A 397
55-03-07			1390	60	A 225	57-03-20			3760	720	A 7310
55-03-24			7830	730	A 15400	57-03-26			4580	130	A 1610
55-04-14			6690	110	A 1990	57-04-01			13500	200	A 7290
55-04-27			1490	180	A 724	57-04-05			24400	750	A 49400
55-05-16			16900	1750	A 79900	57-04-07			51000	2830	A 390000
55-05-23			73200	4550	A 899000	57-04-08			45300	2850	A 349000
55-06-03			18600	1420	A 71300	57-04-15			14700	160	A 6350
55-06-23			39400	3710	A 395000	57-04-23			79400	3500	A 750000
55-07-26			2590	110	A 769	57-04-26			92600	3730	A 933000
55-08-05			1590	20	A 86	57-05-01			83800	200	A 45300
55-08-31			3440	600	A 5570	57-05-19			237000	3540	A 2270000
55-09-15			1140	30	A 92	57-05-20			221000	6790	A 4050000

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57-05-21			171000	3980	A 1840000	59-10-27			36000	250	A 24300
57-05-22			234000	2400	A 1520000	59-11-03			18600	90	A 4520
57-05-23			165000	830	A 370000	59-11-19			16500	60	A 2670
57-05-25			343000	1200	A 1110000	59-11-30			15300	560	A 23100
57-05-26			350000	650	A 614000	59-12-15			12200	30	A 988
57-05-27			294000	930	A 738000	59-12-29			25700	1050	A 72900
57-05-28			222000	830	A 498000	60-01-12			17600	250	A 11900
57-05-31			152000	360	A 148000	60-01-26			16300	40	A 1760
57-06-06			141000	650	A 247000	60-02-11			34500	19900	A 1850000
57-06-10			128000	630	A 218000	60-03-07			9510	90	A 2310
57-06-21			158000	660	A 282000	60-03-21			37300	1340	A 135000
57-06-25			140000	3000	A 1130000	60-04-06			29700	640	A 51300
57-06-28			150000	1540	A 624000	60-05-04			23000	1590	A 98700
57-07-08			112000	1580	A 478000	60-05-07			96000	2550	A 661000
57-07-12			88800	430	A 103000	60-05-09			101000	610	A 166000
57-07-24			15900	760	A 32600	60-05-17			32400	550	A 48100
57-08-02			6440	120	A 2090	60-05-26			30000	270	A 21900
57-08-14			4200	340	A 3860	60-06-07			28700	910	A 70500
57-08-21			3830	90	A 931	60-06-20			20100	510	A 27700
57-09-04			2430	70	A 459	60-07-14			14600	1560	A 61500
57-09-17			20500	2200	A 122000	60-07-21			6830	440	A 8110
57-10-03			5340	730	A 10500	60-08-02			17300	590	A 27600
57-10-14			2990	270	A 2180	60-08-18			15300	580	A 24000
57-10-29			10700	310	A 8960	60-09-07			11000	440	A 13100
57-11-14			3970	180	A 1930	60-09-19			9070	300	A 7350
57-11-26			6790	930	A 17000	60-10-03			5620	1110	A 16800
57-12-11			3050	270	A 2220	60-10-17			4180	420	A 4740
57-12-23			2850	220	A 1690	60-10-31			35500	2000	A 192000
58-01-07			3240	90	A 787	60-11-02			36500	2220	A 219000
58-01-22			5260	130	A 1850	60-11-15			15100	110	A 4480
58-02-04			5620	50	A 759	60-12-01			3740	60	A 606
58-02-17			3080	70	A 582	60-12-13			31600	220	A 18800
58-03-03			4970	170	A 2280	60-12-27			13900	50	A 1880
58-03-11			42700	1650	A 190000	61-01-09			7600	30	A 616
58-03-13			56900	2970	A 456000	61-01-23			10000	50	A 1350
58-03-17			49900	820	A 110000	61-02-06			3120	70	A 590
58-03-25			94000	2150	A 546000	61-02-23			17800	470	A 22600
58-03-27			110000	1690	A 502000	61-03-06			17800	430	A 20700
58-04-03			67800	1420	A 260000	61-03-22			19200	320	A 16600
58-04-14			25200	4580	A 312000	61-04-04			32400	610	A 53400
58-04-30			14600	210	A 8280	61-04-18			29600	1010	A 80700
58-05-13			27700	340	A 25400	61-05-02			32600	300	A 26400
58-05-28			15300	220	A 9090	61-05-04			70400	1710	A 325000
58-06-09			11800	260	A 8280	61-05-07			73800	1580	A 315000
58-06-27			44300	3190	A 382000	61-05-09			293000	1840	A 1460000
58-07-01			34900	1540	A 145000	61-05-10			282000	1780	A 1360000
58-07-08			78300	3770	A 797000	61-05-12			214000	740	A 428000
58-07-09			86800	3550	A 832000	61-05-13			195000	620	A 326000
58-07-14			133000	1330	A 478000	61-05-14			202000	510	A 278000
58-07-29			51700	1130	A 158000	61-05-17			191500	440	A 228000
58-08-12			19200	150	A 7780	61-05-19			136000	270	A 99100
58-08-26			15300	340	A 14000	61-05-23			112000	670	A 203000
58-09-09			12700	200	A 6860	61-05-31			107000	210	A 60700
58-09-23			24100	1470	A 95700	61-06-06			56900	2360	A 363000
58-10-08			4350	260	A 3050	61-06-09			49200	1170	A 155000
58-10-20			3450	190	A 1770	61-06-16			64300	2240	A 389000
58-11-03			2720	90	A 661	61-06-19			35400	1190	A 114000
58-11-21			6670	60	A 1080	61-07-05			14400	150	A 5830
58-12-08			5890	70	A 1110	61-07-19			80300	900	A 195000
58-12-22			2550	40	A 275	61-08-01			25400	600	A 41100
59-01-07			2540	130	A 892	61-08-14			15700	120	A 5090
59-01-19			2350	60	A 381	61-08-17			77300	830	A 173000
59-02-02			9430	40	A 1020	61-08-29			20700	640	A 35800
59-02-17			12300	130	A 4320	61-09-12			28600	430	A 33200
59-03-03			6180	50	A 834	61-09-15			182000	7360	A 3620000
59-03-16			14200	50	A 1920	61-09-17			115000	2840	A 882000
59-03-31			9620	90	A 2340	61-09-19			114000	1160	A 357000
59-04-13			19000	1050	A 53900	61-09-22			90100	460	A 112000
59-04-29			5430	230	A 3370	61-09-26			52000	760	A 107000
59-05-12			40400	2340	A 255000	61-10-05			40800	820	A 90300
59-05-20			48000	1330	A 172000	61-10-17			52400	990	A 140000
59-06-02			36300	1770	A 173000	61-10-31			18900	60	A 3060
59-06-16			7310	180	A 3550	61-11-04			141000	4250	A 1620000
59-06-30			15200	770	A 31600	61-11-05			157000	4060	A 1720000
59-07-14			6060	150	A 2450	61-11-08			78000	650	A 137000
59-07-20			108000	1500	A 437000	61-11-21			61500	760	A 126000
59-07-29			77100	1160	A 241000	61-12-04			30100	210	A 17100
59-08-04			20800	500	A 28100	62-01-03			20200	120	A 6540
59-08-19			7990	90	A 1940	62-01-15			12200	90	A 2960
59-08-31			6030	70	A 1140	62-01-29			27300	600	A 44200
59-09-01			2920	60	A 473	62-02-12			21800	280	A 16500
59-09-15			2490	70	A 471	62-03-05			12400	240	A 8040
59-10-02			81100	1250	A 274000	62-03-14			6240	50	A 842
59-10-05			272000	4330	A 3180000	62-03-27			47000	820	A 104000
59-10-07			283000	3280	A 2510000	62-04-09			14000	50	A 1890
59-10-09			168000	1750	A 794000	62-04-26			14000	130	A 4910
59-10-14			130000	480	A 168000	62-05-08			6150	80	A 1330
59-10-20			108000	480	A 140000	62-05-24			2660	110	A 790
59-10-22			78900	130	A 27700	62-06-06			38000	1530	A 157000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



ARKANSAS RIVER BASIN

07194500 ARKANSAS RIVER NEAR MUSKOGEE, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-06-12			76100	1350	A 277000	68-02-01			48900	570	A 75300
62-06-14			39000	740	A 77900	68-02-05			48500	190	A 24900
62-07-30			8120	1580	A 34600	68-02-09			21200	110	A 6300
62-08-14			6200	1060	A 17700	68-02-15			17800	50	A 2400
62-08-29			2560	60	A 415	68-02-27			14600	50	A 1970
62-09-11			28300	1370	A 105000	68-03-14			13200	440	A 15700
62-09-18			56200	2240	A 340000	68-03-23			62600	390	A 65900
62-09-24			40200	520	A 56400	68-03-26			68700	300	A 55600
62-10-03			61200	310	A 51200	68-04-02			44000	290	A 34500
62-10-17			33300	1430	A 129000	68-04-16			16000	110	A 4750
62-11-01			15200	130	A 5340	68-05-02			15800	80	A 3410
62-11-26			11400	90	A 2770	68-05-21			9800	180	A 4760
62-12-10			5710	380	A 5860	68-06-04			52700	240	A 34100
63-03-11			17000	340	A 15600	68-06-20			16960	320	A 14700
63-03-26			12600	140	A 4760	68-07-05			16000	150	A 6480
63-06-18			5000	270	A 3650	68-07-30			13500	210	A 7650
63-06-26			28900	7900	A 616000	68-08-15			18300	130	A 6420
63-06-28			14700	2640	A 105000	68-08-29			13800	190	A 7080
63-07-09			3580	190	A 1840	68-09-11			14000	140	A 5290
63-07-24			5820	780	A 12300	68-09-25			6230	130	A 2190
63-09-19			6070	1480	A 24300	68-10-21			8400	270	A 6120
64-04-07			37600	1990	A 202000	68-11-06			19600	270	A 14300
64-04-09			23400	790	A 49900	68-11-19			37300	370	A 37300
64-05-14			25800	3860	A 269000	68-12-03			36100	260	A 25300
64-06-14			92500	480	A 120000	68-12-11			22500	180	A 10900
64-06-18			68600	300	A 55600	69-01-02			39000	290	A 30500
64-06-25			21500	250	A 14500	69-01-15			17800	160	A 7690
64-06-29			14100	1050	A 40000	69-02-03			42400	220	A 25200
64-08-31			27100	2440	A 179000	69-02-05			41300	210	A 23400
64-09-02			20100	1940	A 105000	69-02-11			16500	70	A 3120
64-11-23			77500	1560	A 326000	69-02-26			29500	150	A 11900
64-11-25			48200	1520	A 198000	69-03-11			21300	180	A 10400
64-12-01			36300	3820	A 374000	69-03-27			55600	450	A 67600
64-12-08			9510	140	A 3590	69-04-04			58700	370	A 58600
64-12-23			7220	130	A 2530	69-04-16			26000	500	A 35100
65-03-29			9850	30	A 798	69-04-29			38100	450	A 46300
65-04-05			81500	410	A 90200	69-05-13			57200	360	A 55600
65-04-09			103000	460	A 128000	69-05-26			30200	660	A 53800
65-04-12			62400	680	A 115000	69-06-05			75900	960	A 197000
65-04-14			48400	1030	A 135000	69-06-06			83800	770	A 174000
65-04-21			44600	180	A 21700	69-06-10			50600	400	A 54600
65-04-23			34400	110	A 10200	69-06-27			94200	670	A 170000
65-04-27			14600	120	A 4730	69-07-03			85400	350	A 80700
65-05-13			22500	400	A 24300	69-07-10			45200	310	A 37800
65-05-18			11800	360	A 11500	69-07-24			18800	90	A 4570
65-06-03			10600	170	A 4870	69-08-12			4360	150	A 1770
65-06-09			58000	780	A 122000	69-09-29			14300	130	A 5020
65-06-11			73700	640	A 127000	69-10-08			12200	80	A 2640
65-06-14			78100	480	A 101000	69-10-21			32200	430	A 37400
65-06-16			60600	300	A 49100	69-11-06			15600	110	A 4630
65-06-18			63500	360	A 61700	69-11-19			13300	90	A 3230
65-06-21			52200	440	A 62000	69-12-02			12000	40	A 1300
65-06-29			34900	120	A 11300	69-12-16			13400	60	A 2170
65-07-12			35200	90	A 8550	70-03-25			15300	1670	A 69000
65-09-07			7070	10	A 191	70-04-09			31100	1490	A 125000
65-09-21			9630	260	A 6760	70-04-14			38700	1460	A 153000
65-09-24			80000	2120	A 458000	70-04-21			72700	720	A 141000
65-09-28			72300	390	A 76100	70-04-23			75600	1770	A 361000
65-09-30			38200	240	A 24800	70-04-24			81400	890	A 196000
66-02-11			5820	310	A 4870	70-04-27			61200	480	A 79300
66-02-17			19400	100	A 5240	70-04-28			64400	420	A 73000
66-03-02			6130	110	A 1820	70-05-03			88500	690	A 165000
66-04-27			19300	310	A 16200	70-05-12			84700	200	A 45700
66-05-23			16500	60	A 2670	70-05-19			74800	260	A 52500
66-06-13			13500	450	A 16400	70-05-20			46100	1100	A 137000
66-12-21			2580	10	A 70	70-05-22			23200	200	A 12500
66-12-28			5450	10	A 147	70-05-26			14700	90	A 3570
67-04-19			6050	220	A 3590	70-06-03			33400	1860	A 168000
67-05-01			6640	40	A 717	70-06-08			38500	1230	A 128000
67-05-16			10300	1320	A 36700	70-06-12			60300	570	A 92800
67-06-01			7590	590	A 12100	70-06-17			38300	270	A 27900
67-06-14			19200	500	A 25900	70-07-01			21500	70	A 4060
67-06-27			40700	190	A 20900	70-07-29			8580	5330	A 123000
67-06-28			45400	260	A 31900	70-09-08			5380	470	A 6830
67-06-29			55200	230	A 34300	70-09-15			7010	2870	A 54300
67-06-30			70100	270	A 51100	70-09-29			19900	240	A 12900
67-07-11			45400	830	A 102000	70-10-19			19600	180	A 9530
67-07-20			25400	70	A 4800	70-10-28			29400	400	A 31800
67-07-27			41800	340	A 38400	70-11-12			8450	50	A 1140
67-08-08			21200	380	A 21800	70-11-23			6010	50	A 811
67-08-22			5560	80	A 1200	70-11-30			12100	110	A 3590
67-09-20			22700	250	A 15300	70-12-07			8130	40	A 878
67-10-04			9540	570	A 14700	70-12-14			8900	60	A 1440
67-10-17			21500	130	A 7550	71-01-06			35300	740	A 70500
67-10-24			14500	200	A 7830	71-01-20			12900	80	A 2790
67-11-03			38000	450	A 46200	71-02-01			10200	30	A 826
67-11-13			15500	100	A 4190	71-03-11			26300	130	A 9230
67-11-27			10900	30	A 883	71-05-25			14300	50	A 1930
68-01-04			14300	20	A 772	71-06-14			32300	20	A 1740

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

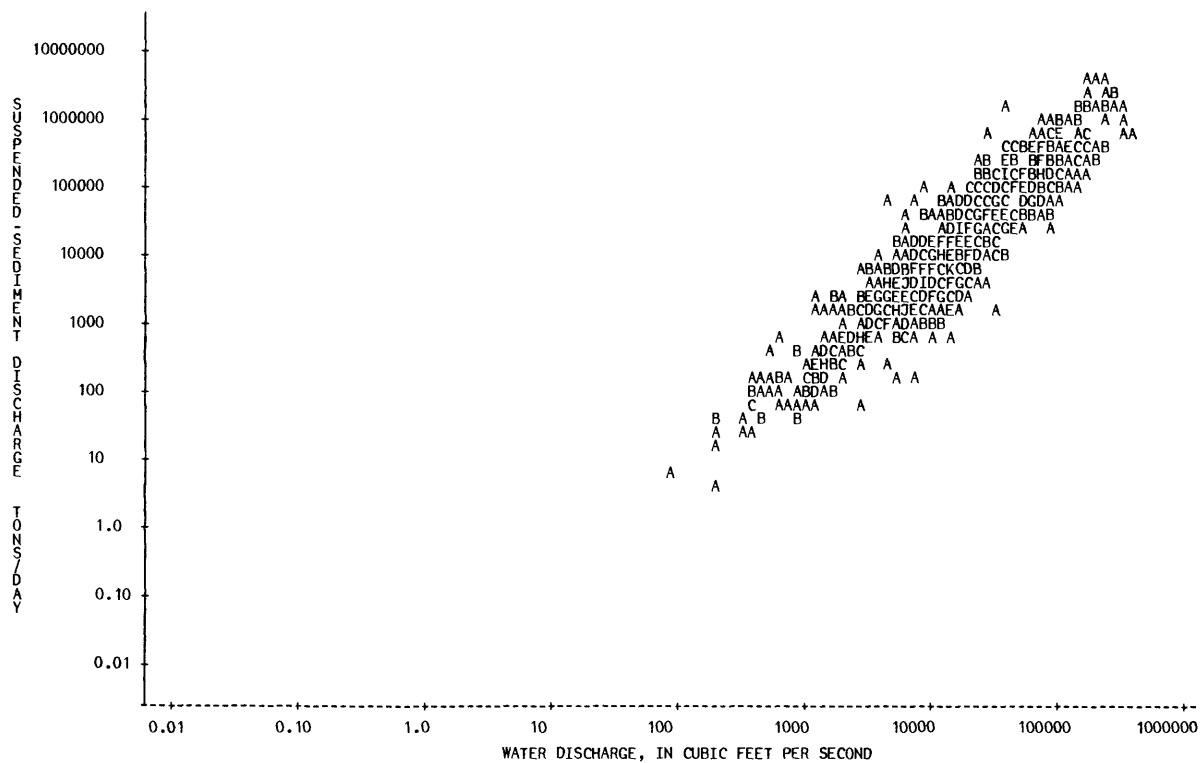
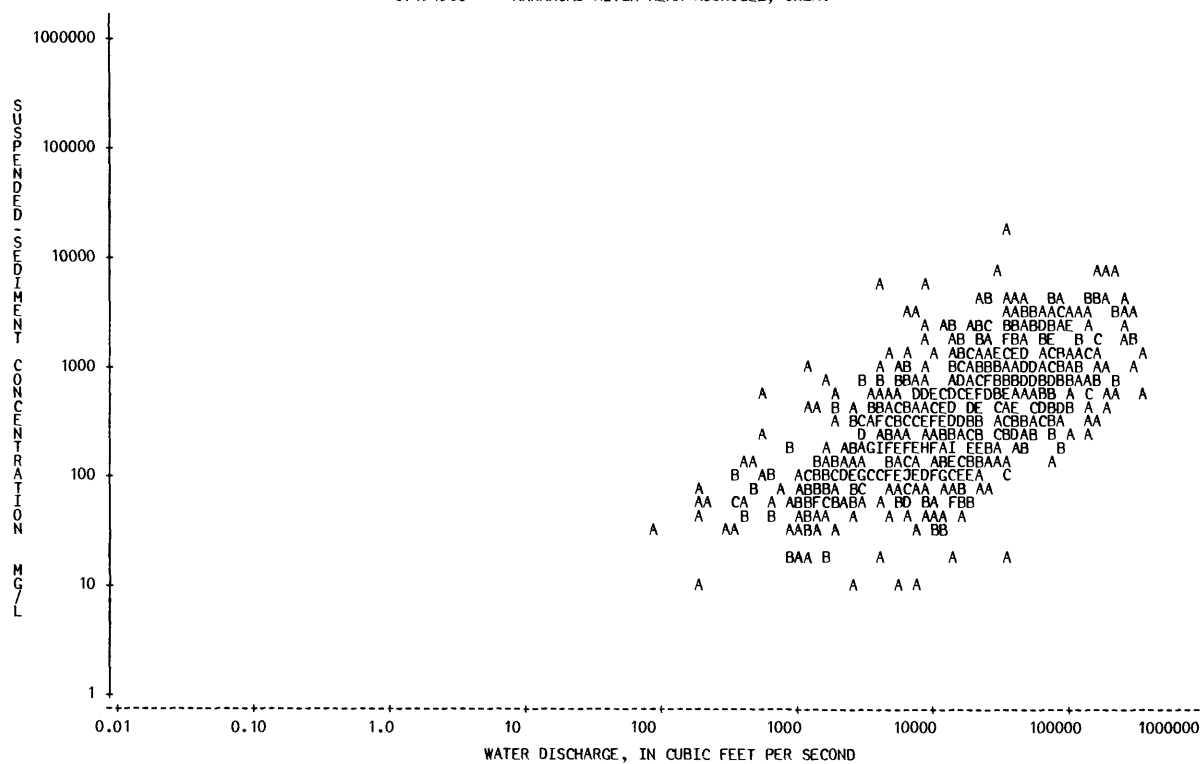
310

07194500 ARKANSAS RIVER NEAR MUSKOGEE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-09-08			33200	630	A 56500						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07194500 ARKANSAS RIVER NEAR MUSKOGEE, OKLA.



## ARKANSAS RIVER BASIN

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OKLA.

LOCATION.--Lat 35°55'17", long 94°55'15", in SE 1/4 sec.26, T.17 N., R.22 E., Cherokee County, Hydrologic Unit 11110103, near center of span on downstream side of pier of bridge, 0.2 mi (0.3 km) downstream from U.S. Highway 62, 2.2 mi (3.5 km) northeast of Tahlequah, 6.5 mi (10.5 km) upstream from Baron Fork, and at mile 55.8 (89.8 km).

DRAINAGE AREA.--959 mi<sup>2</sup> (2,482 km<sup>2</sup>).

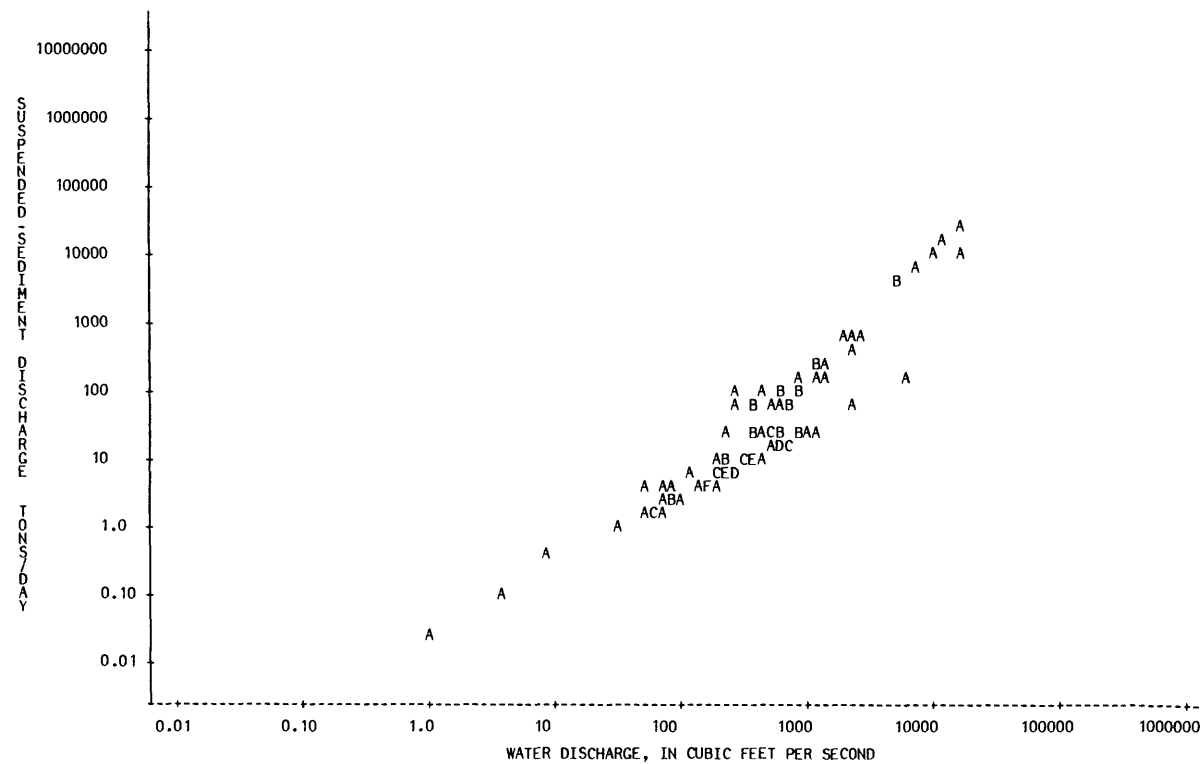
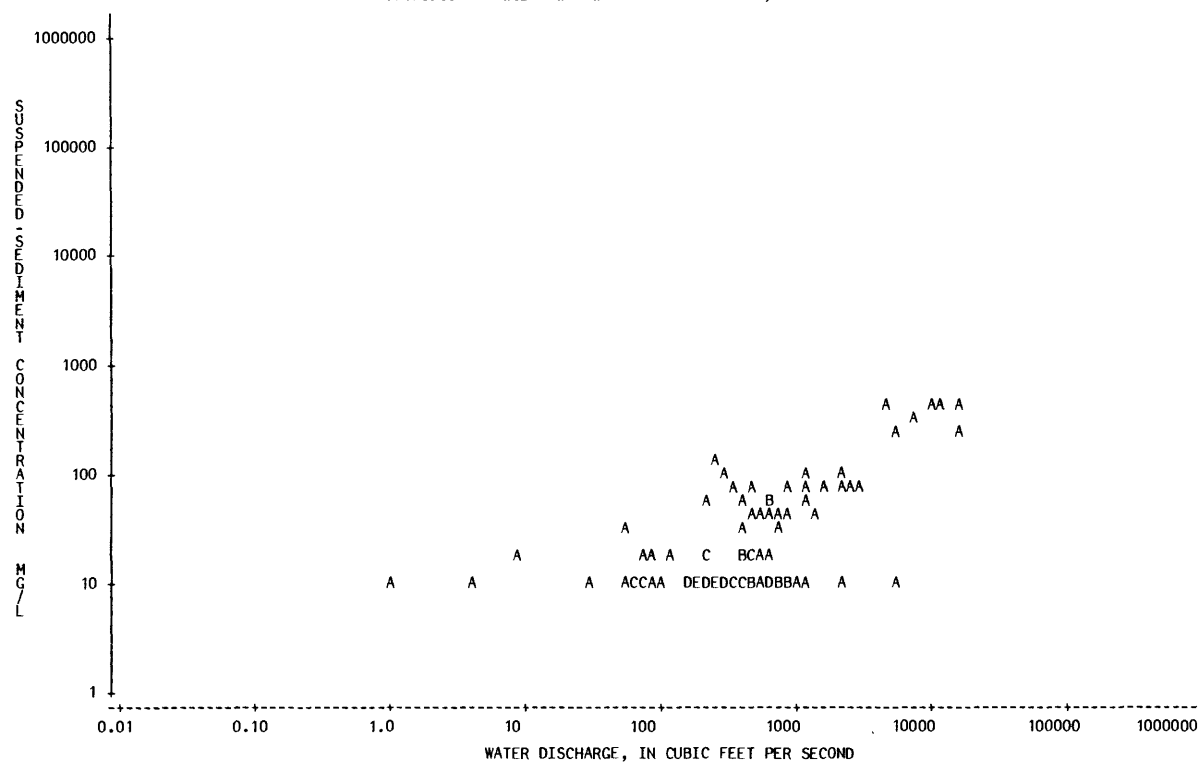
PERIOD OF RECDRD.--Water years 1955-63, 1978-80.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
55-08-23			56	30	A 4.5	59-01-07			202	10	A 5.5
55-09-07			51	10	A 1.4	59-01-28			207	20	A 11
55-09-21			31	10	A 0.84	59-02-17			416	20	A 22
55-10-04			292	10	A 7.9	59-04-15			576	20	A 31
55-10-19			88	10	A 2.4	59-05-04			400	30	A 32
55-11-03			72	10	A 1.9	59-05-28			1140	80	A 246
55-11-17			77	10	A 2.1	59-06-16			578	40	A 62
55-12-14			79	10	A 2.1	59-08-18			177	10	A 4.8
56-01-17			66	10	A 1.8	59-10-19			646	50	A 87
56-02-07			235	10	A 6.3	60-04-19			1330	40	A 144
56-02-28			311	10	A 8.4	60-05-10			2800	70	A 529
56-03-05			165	10	A 4.5	60-06-08			859	10	A 23
56-03-22			157	10	A 4.2	60-07-07			353	10	A 9.5
56-04-23			213	20	A 12	60-08-09			405	10	A 11
56-05-03			1110	60	A 180	60-09-12			97	10	A 2.6
56-05-16			4820	390	A 5080	60-10-05			157	10	A 4.2
56-05-22			678	10	A 18	60-10-25			172	10	A 4.6
56-06-04			657	10	A 18	60-11-29			173	10	A 4.7
56-09-05		9.0		20	A 0.49	61-02-10			255	10	A 6.9
56-10-01		1.0		10	A 0.03	61-02-27			471	10	A 13
56-10-17		4.0		10	A 0.11	61-03-09			2050	110	A 609
56-11-05		59		10	A 1.6	61-07-25			2460	80	A 531
56-12-19		149		10	A 4.0	61-08-29			680	40	A 73
57-01-02		121		20	A 6.5	61-10-10			566	10	A 15
57-01-18		84		20	A 4.5	61-10-31			600	20	A 32
57-02-05		790		40	A 85	62-01-15			454	70	A 86
57-02-26		494		20	A 27	62-03-08			923	70	A 174
57-02-28		2110		80	A 456	62-03-27			1490	70	A 282
57-03-06		778		30	A 63	62-05-07			1090	100	A 294
57-03-20		605		10	A 16	62-05-28			400	60	A 65
57-03-26		2190		10	A 59	62-07-24			270	150	A 109
57-04-25		5690		10	A 154	62-08-13			348	70	A 66
57-05-10		1130		10	A 31	62-08-30			230	50	A 31
57-05-19		16800		230	A 10400	62-09-18			626	50	A 85
57-07-02		904		10	A 24	62-10-05			484	40	A 52
57-07-24		362		10	A 9.8	62-10-23			859	40	A 93
57-08-07		253		10	A 6.8	78-03-27	1000		5280	270	A 3850
57-08-27		279		10	A 7.5	78-05-09	1115		11400	460	A 14200
57-09-10		208		10	A 5.6	78-12-14	1130		229	10	A 6.2
57-10-02		304		10	A 8.2	79-01-18	1100		222	20	A 12
57-11-14		740		10	A 20	79-04-13	1120	16400	490	A 21700	
57-12-04		390		20	A 21	79-06-19	1110		482	20	A 26
58-01-23		393		10	A 11	79-07-19	1200		500	20	A 27
58-02-17		688		10	A 19	79-12-04	0915		290	90	A 70
58-03-25		7460		340	A 6850	80-02-07	1400		180	10	A 4.9
58-05-04		9620		420	A 10900	80-04-21	1430		404	10	A 11
58-05-26		656		10	A 18	80-05-13	1600		237	10	A 6.4
58-06-16		324		10	A 8.7	80-07-15	1330		78	20	A 4.2
58-08-13		1030		10	A 28	80-08-19	1355		59	10	A 1.6
58-09-18		483		10	A 13						
58-10-09		229		10	A 6.2						
58-10-29		192		10	A 5.2						
58-12-10		242		10	A 6.5						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OKLA.



## ARKANSAS RIVER BASIN

07198000 ILLINOIS RIVER NEAR GORE, OKLA.

LOCATION.--Lat 35°34'23", long 95°04'07", in NE 1/4 SW 1/4 sec.27, T.13 N., R.21 E., Sequoyah County, Hydrologic Unit 11110104, on right bank 4.3 mi (6.9 km) (revised) downstream from Tenkiller Ferry Dam, 4.5 mi (7.2 km) northeast of Gore, and at mile 8.5 (13.7 km).

DRAINAGE AREA.--1,626 mi<sup>2</sup> (4,211 km<sup>2</sup>).

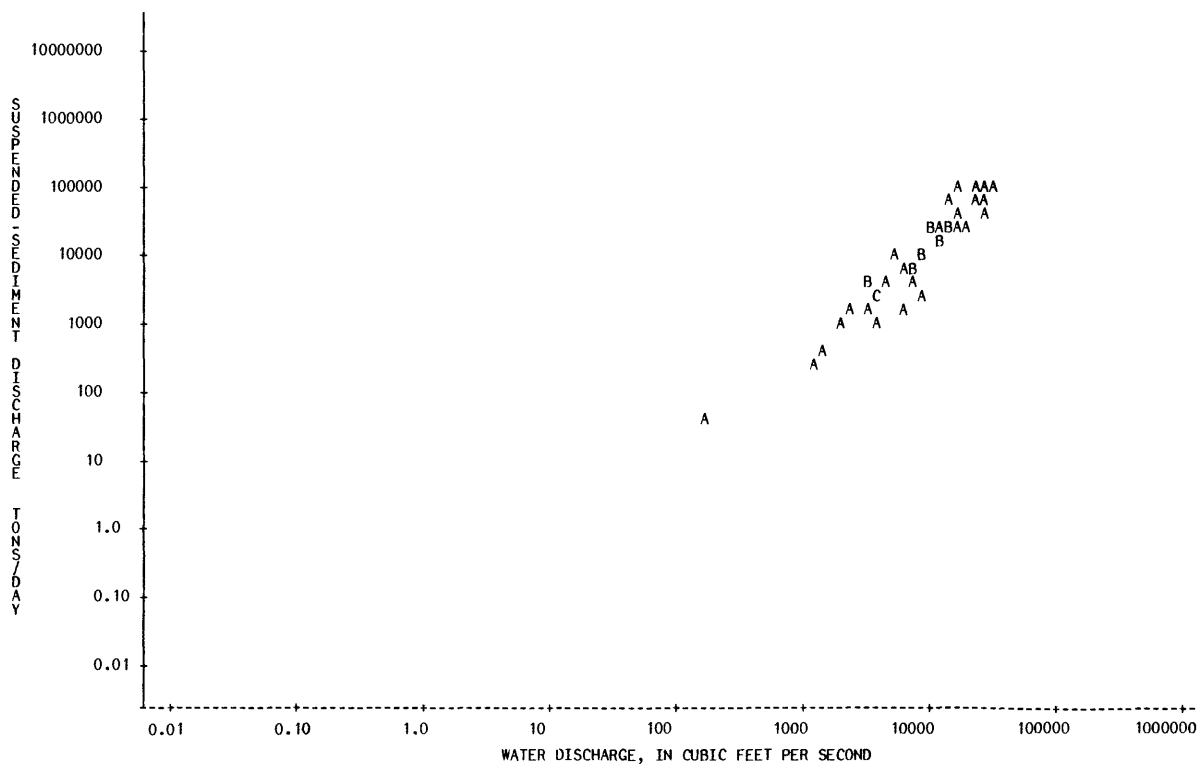
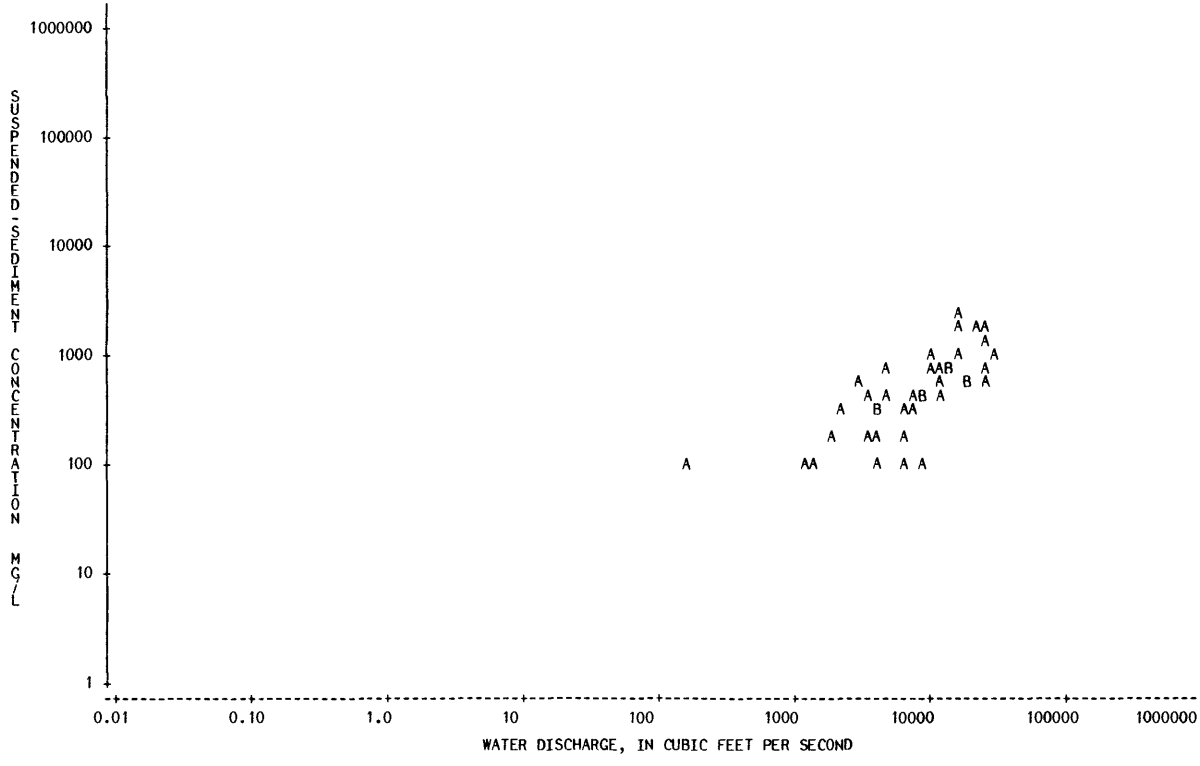
PERIOD OF RECORD.--Water years 1940-42, 1944-48, 1950.

REMARKS.--Except for 16 mi<sup>2</sup> (41 km<sup>2</sup>) intervening area, flow completely regulated since July 1952 by Tenkiller Ferry Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-12			4910	800	A 10600						
40-05-02			3420	200	A 1850						
40-08-17			13000	800	A 28100						
40-09-04			2300	300	A 1860						
41-04-21			25000	800	A 54000						
41-10-15			3980	300	A 3220						
41-11-03			8080	400	A 8730						
42-04-29			25900	1600	A 112000						
44-02-29			4400	400	A 4750						
44-03-18			9130	400	A 9860						
44-06-10			1830	200	A 988						
45-02-22			15800	1000	A 42700						
45-02-23			22000	1800	A 107000						
45-03-03			24500	1200	A 79400						
45-03-21			26500	600	A 42900						
45-04-18			12200	400	A 13200						
45-06-13	0001		18700	500	A 25200						
45-06-13	0002		17500	500	A 23600						
46-02-15			15000	2000	A 81000						
46-02-21			6860	300	A 5560						
46-05-21			6750	200	A 3650						
46-11-08			12600	800	A 27200						
46-12-12			29900	1100	A 88800						
46-12-18			4000	200	A 2160						
46-12-20			3000	500	A 4050						
47-04-12			10500	800	A 22700						
47-08-27			160	100	A 43						
48-03-04			6470	300	A 5240						
48-05-12			3760	300	A 3050						
48-05-20			1310	100	A 354						
48-06-29			8460	100	A 2280						
48-06-30			6190	100	A 1670						
48-07-01			4040	100	A 1090						
48-07-14			1170	100	A 316						
48-08-12			9380	1000	A 25300						
48-08-13			16900	2200	A 100000						
48-08-14			14390	700	A 27200						
50-01-09			3310	400	A 3570						
50-01-16			6890	400	A 7440						
50-02-14			11800	600	A 19100						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07198000 ILLINOIS RIVER NEAR GORE, OKLA.



## ARKANSAS RIVER BASIN

07198500 DIRTY CREEK NEAR WARNER, OKLA.

LOCATION.--Lat 35°33', long 95°18', in SE 1/4 sec.32, T.13 N., R.19 E., Muskogee County, Hydrologic Unit 11110102, at bridge on U.S. Highway 64, 4 mi (6.4 km) north of Warner, 6.5 mi (10.5 km) upstream from Georges Fork, and 6.5 mi (10.5 km) downstream from Butter Creek, and at mile 21.5 (34.4 km).

DRAINAGE AREA.--227 mi<sup>2</sup> (588 km<sup>2</sup>).

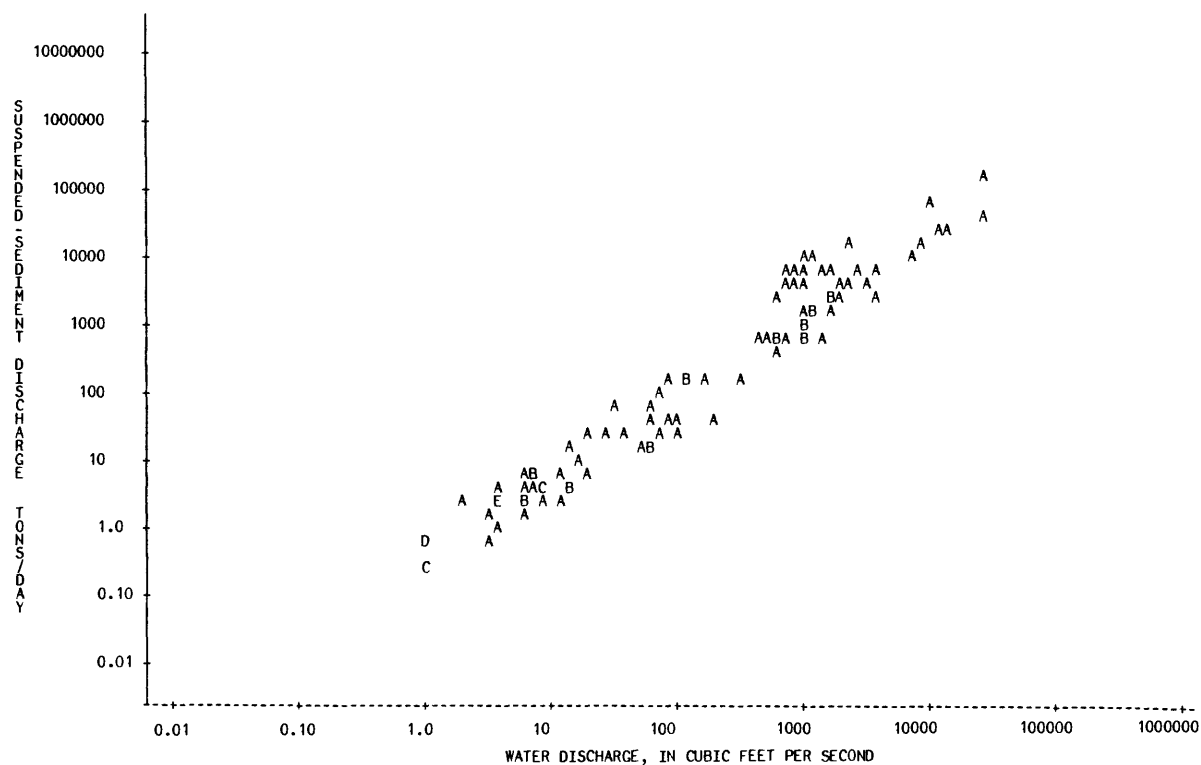
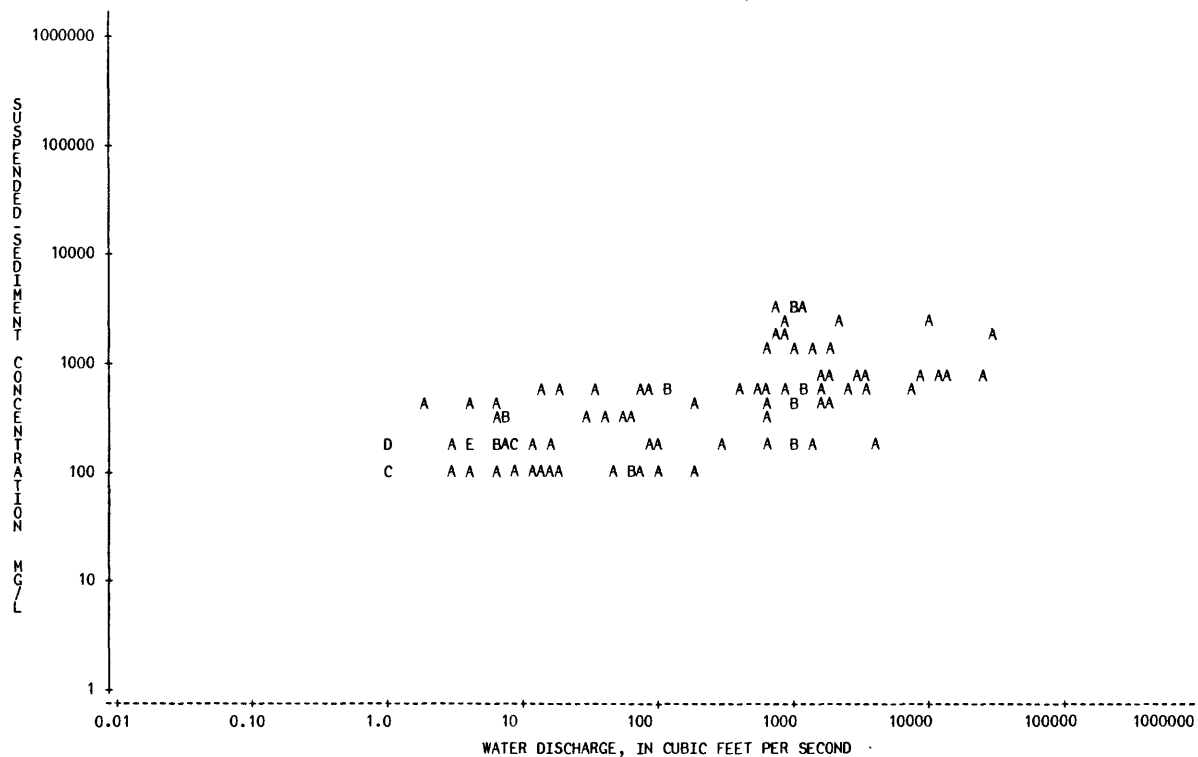
PERIOD OF RECORD.--Water years 1940-46.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-11			957	3100	A 8010	44-11-14			994	400	A 1070
40-04-12			1050	3400	A 9640	44-11-23			6.0	100	A 1.6
40-04-29	0001		775	3500	A 7320	44-12-15			4.0	200	A 2.2
40-04-29	0002		840	2400	A 5440	44-12-29			1.0	100	A 0.27
40-08-17			1070	1400	A 4040	45-01-27			7.0	300	A 5.7
40-08-18			1730	1300	A 6070	45-02-06			4.0	200	A 2.2
41-08-29			33	600	A 53	45-02-21			2420	600	A 3920
41-11-24			663	300	A 537	45-02-22			3330	500	A 4500
42-04-25			9780	2100	A 55500	45-03-01			630	200	A 340
42-04-29			1900	700	A 3590	45-03-03			6870	500	A 9270
42-08-07			14	500	A 19	45-03-05			293	200	A 158
42-09-09			426	500	A 575	45-03-15			3510	800	A 7580
42-11-05			1630	500	A 2200	45-03-19			13400	800	A 28900
42-11-06			3980	200	A 2150	45-03-22			178	400	A 192
42-12-09			182	100	A 49	45-03-30			1540	700	A 2910
43-02-03			918	1700	A 4210	45-04-10			66	100	A 18
43-02-04			1100	600	A 1780	45-04-14			28700	1700	A 132000
43-05-12			1520	400	A 1640	45-04-15			25400	700	A 48000
43-06-07			8320	800	A 18000	45-05-08			16	200	A 8.6
43-06-17			84	200	A 45	45-05-17			1200	600	A 1940
43-06-23			6.0	200	A 3.2	45-05-31			7.0	200	A 3.8
43-06-29			3.0	200	A 1.6	45-06-11			11300	700	A 21400
43-07-07			1.0	200	A 0.54	45-06-13			992	200	A 536
43-07-14			1.0	200	A 0.54	45-07-19			6.0	300	A 4.9
43-10-02			64	300	A 52	45-08-04			1.0	100	A 0.27
43-10-06			2.0	400	A 2.2	45-08-30			1.0	100	A 0.27
43-10-13			592	1500	A 2400	45-09-27			590	500	A 796
43-10-20			1.0	200	A 0.54	45-10-17			4.0	100	A 1.1
43-10-27			7.0	300	A 5.7	45-10-31			3.0	100	A 0.81
43-11-03			4.0	200	A 2.2	46-01-06			925	600	A 1500
43-12-29			80	600	A 130	46-01-10			1300	200	A 702
44-01-05			4.0	400	A 4.3	46-01-23			48	100	A 13
44-01-12			4.0	200	A 2.2	46-02-07			60	100	A 16
44-01-19			12	200	A 6.5	46-02-15			560	500	A 756
44-01-26			4.0	200	A 2.2	46-02-20			962	400	A 1040
44-02-02			6.0	400	A 6.5	46-03-07			112	600	A 181
44-02-09			38	300	A 31	46-03-20			57	300	A 46
44-02-17			113	500	A 153	46-04-02			15	100	A 4.0
44-02-23			29	300	A 23	46-04-18			8.0	200	A 4.3
44-02-28			757	1700	A 3470	46-05-01			1010	200	A 545
44-03-08			20	100	A 5.4	46-05-13			95	200	A 51
44-03-15			9.0	200	A 4.9	46-05-17			1380	1400	A 5220
44-03-16			2120	2500	A 14300	46-05-20			95	100	A 26
44-03-29			76	100	A 21	46-06-27			2840	800	A 6130
44-04-26			8.0	200	A 4.3	46-07-11			6.0	200	A 3.2
44-05-03			1900	400	A 2050	46-08-08			20	500	A 27
44-05-10			666	400	A 719						
44-05-16			12	100	A 3.2						
44-06-01			9.0	100	A 2.4						
44-06-08			1.0	200	A 0.54						
44-06-09			1110	2900	A 8690						
44-06-22			13	100	A 3.5						
44-10-06			76	500	A 103						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE





## ARKANSAS RIVER BASIN

07227500 CANADIAN RIVER NEAR AMARILLO, TEX.

LOCATION.--Lat 35°28'13", long 101°52'45", Potter County, Hydrologic Unit 11090105, on left bank at downstream side of southbound lane of bridge on U.S. Highways 87 and 287, 1,500 ft (460m) downstream from Pitcher Creek, 1.4 mi (2.3 km) downstream from East Amarillo Creek, 1.7 mi (2.7 km) downstream from Panhandle and Santa Fe Railway Co. bridge, 19 mi (31 km) north of Amarillo, and at mile 537.7 (865.2 km).

DRAINAGE AREA.--19,445 mi<sup>2</sup> (50,362 km<sup>2</sup>), of which 4,069 mi<sup>2</sup> (10,539 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1938-50, 1980.

REMARKS.--Some regulation by Conchos and Ute Reservoirs in New Mexico. Upstream diversions for irrigation.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-07-19			9760	37700	A 993000	40-05-27	0001	1000	26400	A 71300	
38-07-21			4960	34900	A 467000	40-05-27	0002	387	16900	A 17700	
38-07-23			1870	30000	A 151000	40-05-29		292	13200	A 10400	
38-07-26			699	11600	A 21900	40-06-05		48	14000	A 1810	
38-08-03			150	12300	A 4980	40-06-10		949	19700	A 50500	
38-08-08			31	1500	A 126	40-06-11		329	12900	A 11500	
38-08-16			434	13800	A 16200	40-08-10		854	27300	A 62900	
38-08-18			1080	26400	A 77000	40-08-12	0001	483	23200	A 30300	
38-08-20			160	9500	A 4100	40-08-12	0002	1290	34300	A 119000	
38-08-27			30	2300	A 186	40-08-13		231	17600	A 11000	
38-09-02			7.0	900	A 17	40-09-07		35	6000	A 567	
38-09-07	0001	16200	61900	A 2710000		40-11-14		5.0	1100	A 15	
38-09-07	0002	26100	33900	A 2390000		40-12-07		62	1300	A 218	
38-09-09	0001	4790	29500	A 382000		40-12-17		19	300	A 15	
38-09-09	0002	3570	13900	A 134000		41-01-11		16	300	A 13	
38-09-10		1550	16700	A 69900		41-04-29		2760	38800	A 289000	
38-09-12		883	27000	A 64400		41-05-02		32000	66600	A 5750000	
38-09-17		378	5200	A 5310		41-05-03		25000	147000	A 9920000	
38-09-21		207	2700	A 1510		41-05-05		3240	24200	A 212000	
38-09-30		121	1200	A 392		41-05-07		1060	12700	A 36300	
38-10-05		55	800	A 119		41-05-09		489	6100	A 8050	
38-10-10		20300	39700	A 2180000		41-05-12		473	7000	A 8940	
38-10-12	0001	5330	23300	A 335000		41-05-15		289	10300	A 8040	
38-10-12	0002	3680	20300	A 202000		41-05-17		213	8200	A 4720	
38-10-14		1220	11600	A 38200		41-05-25		15800	40000	A 1710000	
38-10-20		264	3400	A 2420		41-05-26		7790	36900	A 776000	
38-10-28		137	200	A 74		41-05-28		2500	21500	A 145000	
38-11-26		30	200	A 16		41-06-01		7170	57100	A 1110000	
38-12-08		33	200	A 18		41-06-04		5120	28400	A 393000	
38-12-17		33	200	A 18		41-06-08		6320	22600	A 386000	
38-12-28		44	400	A 48		41-06-09		16700	27700	A 1250000	
39-01-15		138	2600	A 969		41-06-15		876	4700	A 11100	
39-01-21		82	900	A 199		41-06-20		6020	14800	A 241000	
39-06-22		5990	34200	A 553000		41-06-23		669	5600	A 10100	
39-06-24		1690	28200	A 129000		41-06-26		12800	28900	A 999000	
39-06-25		347	11600	A 10900		41-06-27		3230	9200	A 80200	
39-06-28		149	15300	A 6160		41-07-03		7480	20600	A 416000	
39-07-05		96	5700	A 1480		41-07-05		1330	7600	A 27300	
39-07-20		3920	36100	A 382000		41-07-09		420	4800	A 5440	
39-07-21	0001	770	32400	A 67400		41-07-13	0001	12000	26600	A 862000	
39-07-21	0002	1140	34300	A 106000		41-07-13	0002	22200	34000	A 2040000	
39-07-22		337	22700	A 20700		41-07-14	0001	18000	37700	A 1830000	
39-07-27	0001	287	11200	A 8680		41-07-14	0002	9620	53800	A 1400000	
39-07-27	0002	2420	35500	A 232000		41-07-15		6100	28900	A 476000	
39-07-28		1820	38600	A 190000		41-07-17		2270	20800	A 127000	
39-07-31		5860	37500	A 593000		41-07-21		594	4500	A 7220	
39-08-10		846	23700	A 54100		41-07-25	0001	45500	67000	A 8230000	
39-08-15		414	8300	A 9280		41-07-25	0002	10400	30500	A 856000	
39-08-18		182	13400	A 6580		41-07-26	0001	19600	32700	A 1730000	
39-08-28		29	9500	A 744		41-07-26	0002	4590	17200	A 213000	
39-09-05		3.0	500	A 4.1		41-07-27	0001	7030	20300	A 385000	
40-05-07		631	21900	A 37300		41-07-27	0002	5440	17300	A 254000	
40-05-08		176	9400	A 4470		41-07-29		1750	11700	A 55300	

\*\*\*\*\*

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07227500 CANADIAN RIVER NEAR AMARILLO, TEX.--CONTINUED

319

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++											
41-08-02			4440	16400	A 197000	44-05-19			79	5200	A 1110
41-08-04			3370	8800	A 80100	44-05-27			3190	21000	A 181000
41-08-08			592	3300	A 5270	44-05-28			1510	17000	A 69300
41-08-12			1540	14500	A 60300	44-05-30			545	6600	A 9710
41-08-14			397	2800	A 3000	44-06-06			368	2300	A 2290
41-08-18			634	8800	A 15100	44-06-30			33	5900	A 526
41-08-21			4160	21600	A 243000	44-07-13			5090	30000	A 412000
41-08-22			1610	13200	A 57400	44-07-14			2410	26200	A 170000
41-08-25			2620	18500	A 131000	44-07-20			714	17800	A 34300
41-08-30			1300	11400	A 40000	44-08-08			101	13100	A 3570
41-09-10			222	1300	A 779	44-08-21			18	600	A 29
41-09-19			1170	9000	A 28400	44-09-04			4720	10800	A 138000
41-09-21			576	3600	A 5600	44-09-14			50	700	A 94
41-09-24	0001		32500	127000	A11100000	44-10-17			25	600	A 40
41-09-24	0002		31900	61000	A 5250000	44-12-08			443	3300	A 3950
41-09-26			13200	26200	A 934000	45-04-11			3.0	200	A 1.6
41-10-01			14500	30600	A 1200000	45-05-01			5.0	200	A 2.7
41-10-03			7480	19400	A 392000	45-08-11	0001	1080	33100	A 96500	
41-10-06			6880	17200	A 320000	45-08-11	0002	828	30000	A 67100	
41-10-13			964	2600	A 6770	45-08-15			2420	14600	A 95400
41-10-17			649	2700	A 4730	45-08-16			3550	43400	A 416000
41-10-22			6980	19000	A 358000	45-08-20			169	14800	A 6750
41-10-23			28300	52100	A 3980000	45-08-25			229	6700	A 4140
41-10-27			6490	14700	A 258000	45-10-01			1810	19800	A 96800
41-11-01			4000	15500	A 167000	45-10-02			581	14600	A 22900
41-11-06			6360	11300	A 194000	45-10-14			826	19400	A 43300
41-11-13			509	1100	A 1510	45-10-15			845	18000	A 41100
41-11-26			249	900	A 605	45-10-18			114	7500	A 2310
41-12-09			355	1400	A 1340	45-11-19			5.0	200	A 2.7
42-02-03			219	1400	A 828	45-12-17			13	300	A 11
42-02-12			180	800	A 389	46-01-18			6.0	300	A 4.9
42-02-20			166	1100	A 493	46-04-15			8.0	100	A 2.2
42-03-06			202	5200	A 2840	46-06-02			463	13200	A 16500
42-03-17			147	600	A 238	46-06-06			107	2100	A 607
42-04-10			260	1200	A 842	46-06-20			52	300	A 42
42-04-19			6270	15400	A 261000	46-06-27			172	30600	A 14200
42-04-20			12000	31800	A 1030000	46-07-15			51	7000	A 964
42-04-24			13900	20100	A 754000	46-08-19			1220	62600	A 206000
42-04-27			25000	43600	A 2940000	46-08-20			2890	36900	A 288000
42-04-30			12100	23200	A 758000	46-08-21			671	20500	A 37100
42-05-05			722	4000	A 7800	46-08-25			137	29600	A 10900
42-05-15			302	2300	A 1880	46-09-03			176	13000	A 6180
42-05-23			263	2100	A 1490	46-09-12			1670	19000	A 85700
42-05-27			2710	7000	A 51200	46-09-15			5970	64100	A 1030000
42-05-30			2960	6100	A 48800	46-09-16			1400	32300	A 122000
42-06-06			150	700	A 283	46-09-18			6230	35700	A 601000
42-06-10			385	5200	A 5410	46-09-20			5170	36700	A 512000
42-06-20			76	800	A 164	46-09-23			529	14800	A 21100
42-06-24			3660	29400	A 291000	46-09-29			280	6800	A 5140
42-06-25			697	18600	A 35000	46-10-06			885	9000	A 21500
42-06-29			85	3000	A 688	46-10-09			2750	16400	A 122000
42-07-17			55	1400	A 208	46-10-16			336	3700	A 3360
42-07-24			526	18900	A 26800	46-11-02			49	400	A 53
42-07-28			73	5400	A 1060	47-01-17			52	600	A 84
42-08-04			120	10400	A 3370	47-05-14			1370	900	A 3330
42-08-13			422	64100	A 73000	47-05-15			614	12800	A 21200
42-08-16			3340	28800	A 260000	47-05-21			402	7400	A 8030
42-08-18			819	16400	A 36300	47-06-27			1560	24300	A 102000
42-08-22			549	21200	A 31400	47-07-01			61	4300	A 708
42-09-03			24200	22800	A 1490000	47-07-10			5370	35000	A 507000
42-09-04			26700	23600	A 1700000	47-07-11			1340	16000	A 57900
42-09-06			20700	22800	A 1270000	47-07-18			317	21000	A 18000
42-09-08			11800	15000	A 478000	47-07-22			93	2500	A 628
42-09-11			1120	4400	A 13300	48-02-27			358	9700	A 9380
42-09-18			7590	17600	A 361000	48-03-01			142	2300	A 882
42-09-21			702	4700	A 8910	48-05-19			60	1800	A 292
42-09-30			80	400	A 86	48-05-26			675	20200	A 36800
42-10-13	0001		363	2300	A 2250	48-05-27			319	5200	A 4480
42-10-13	0002		1870	8600	A 43400	49-10-10			67	3290	A 595
42-10-16			4170	7100	A 79900	49-10-17	0720		330	5460	A 4860
42-10-18			1700	24800	A 114000	49-11-07	0700		145	1310	A 513
42-10-23			576	2900	A 4510	50-01-03			1430	31	A 11
42-10-30			141	900	A 343	50-04-16			1635	626	A 28700
42-11-09			559	3400	A 5130	50-04-19	0625		36	1350	A 131
43-01-26			84	400	A 91	50-05-14			1915	270	A 6380
43-07-09	0001		5180	26600	A 372000	50-05-15	0720		110	9380	A 2790
43-07-09	0002		2180	14300	A 84200	50-06-03	0650		94	11600	A 2940
43-07-10			275	8200	A 6090	50-06-11	0710		440	32900	A 39100
43-07-15			58	500	A 78	50-06-12	1500		55	14900	A 2210
43-07-23			103	1000	A 278	50-06-13	0550		15	4730	A 192
43-08-04			273	1600	A 1180	50-06-13	0930		9100	141000	A 3460000
44-01-19			167	1100	A 496	50-06-13	1000		7700	102000	A 2120000
44-04-29	0001		225	7600	A 4620	50-06-14	1840		1030	24800	A 69000
44-04-29	0002		582	24800	A 39000	50-06-18	0615		30	15700	A 1270
44-05-02			57	2300	A 354	50-06-20	0940		1100	42800	A 127000
44-05-11	0001		3380	12400	A 113000	50-06-22	0630		4100	41000	A 454000
44-05-11	0002		3870	11900	A 124000	50-06-29	0625		11400	37300	A 1150000
44-05-12			5280	25000	A 356000	50-06-29	0735		24500	64900	A 4290000
44-05-15			301	17000	A 13800	50-07-05	1120		14600	43100	A 1700000

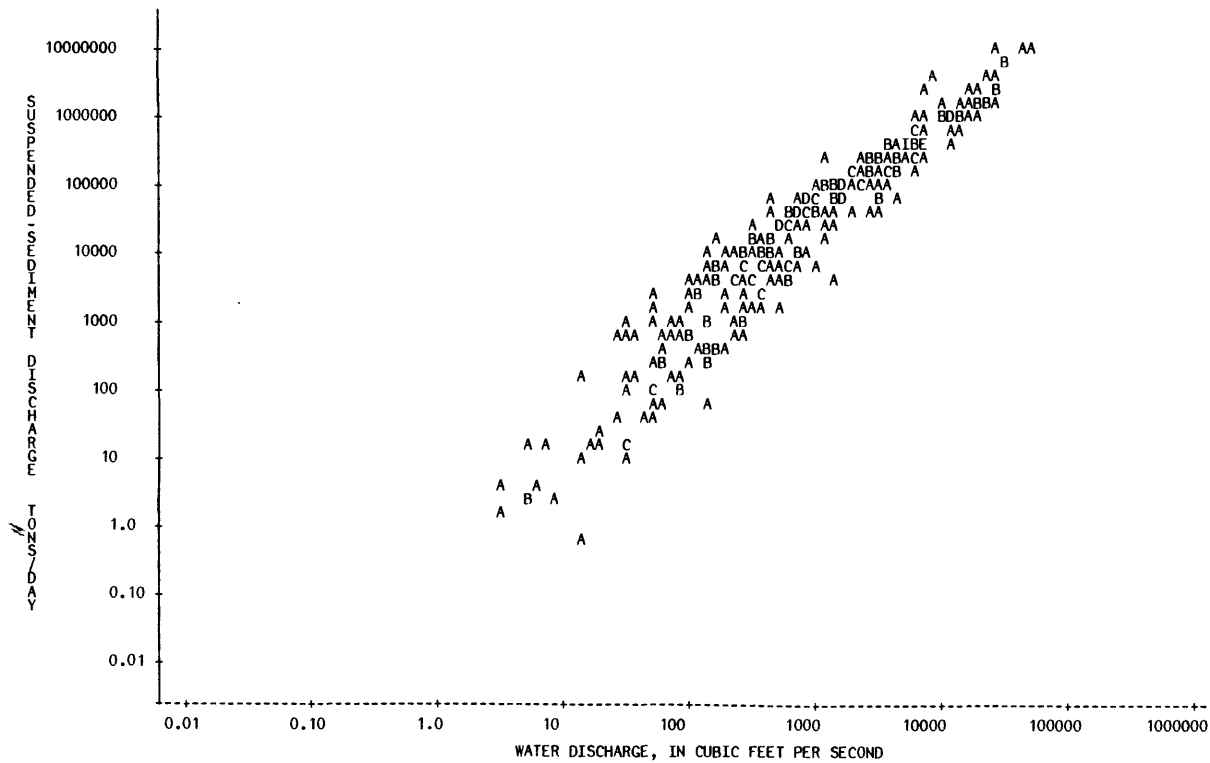
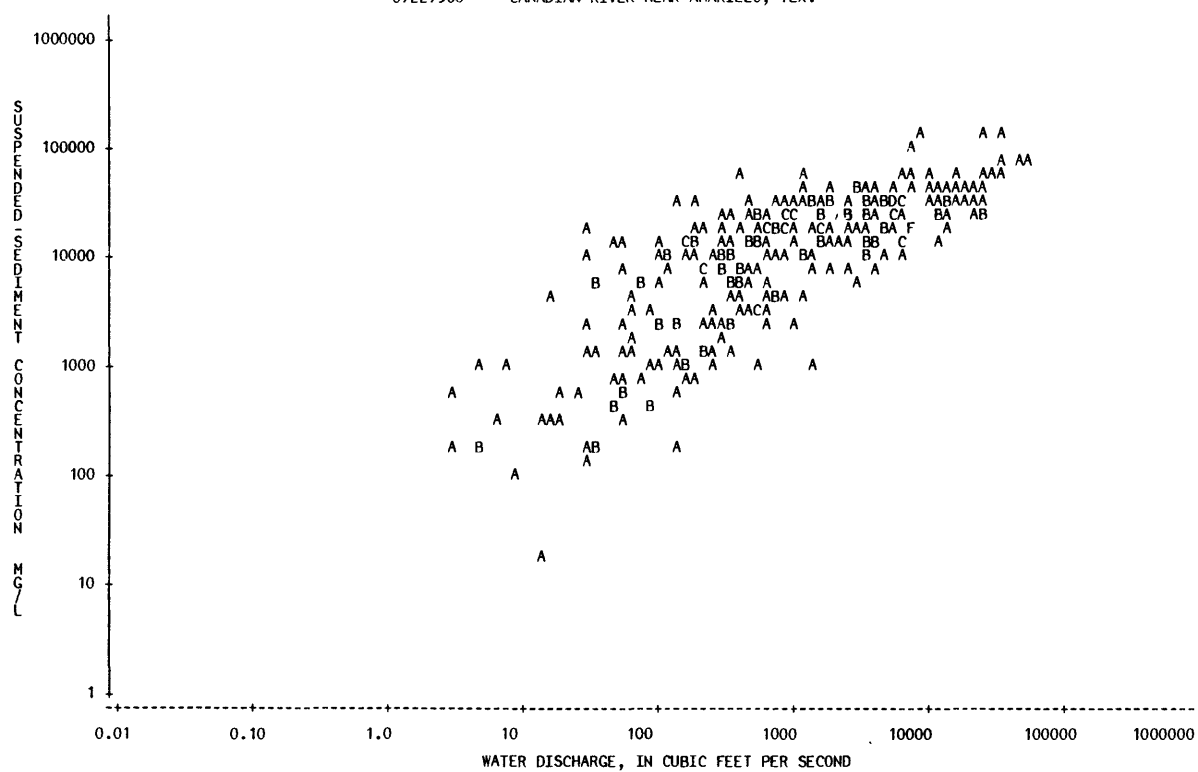
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07227500 CANADIAN RIVER NEAR AMARILLO, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
50-07-07	0115	56200	65900	10000000							
50-07-12	1240	1900	32500	167000							
79-12-20	1015	14	20	0.76							
80-08-18	1230	180	17700	8600							

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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07227500 CANADIAN RIVER NEAR AMARILLO, TEX.



## ARKANSAS RIVER BASIN

07228000 CANADIAN RIVER NEAR CANADIAN, TEX.

LOCATION.--Lat 35°56'06", long 100°22'13", Hemphill County, Hydrologic Unit 11090106, near left bank on downstream side of pier of bridge on U.S. Highways 60 and 83, 600 ft (180 m) downstream from Panhandle and Santa Fe Railway Co. bridge, 1.2 mi (1.9 km) downstream from Red Deer Creek, 1.6 mi (2.6 km) northeast of Canadian, and at mile 433.9 (698.1 km).

DRAINAGE AREA.--22,866 mi<sup>2</sup> (59,222 km<sup>2</sup>), of which 4,688 mi<sup>2</sup> (12,142 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1938-48, 1975-80.

REMARKS.--Extreme low flow maintained by springs which enter the river about 600 ft (180 m) above gage. Some regulation and diversions from Lake Meredith, 75 mi (121 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-07-20			21400	34300	A 1980000	40-08-14			684	30900	A 57100
38-07-22			4850	31800	A 416000	40-08-18			643	16600	A 28800
38-07-27			768	17700	A 36700	40-08-19			203	8700	A 4770
38-08-06			57	14300	A 2200	40-08-26			66	30800	A 5490
38-08-15			749	23600	A 47700	40-08-28			2.0	3400	A 18
38-08-22			67	10500	A 1900	40-09-08	0001		300	18700	A 15100
38-09-08	0001		21400	46100	A 2660000	40-09-08	0002		147	11700	A 4640
38-09-08	0002		19800	40900	A 2190000	40-09-24	0001		2550	21000	A 145000
38-09-10			4800	28300	A 367000	40-09-24	0002		1930	18500	A 96400
38-09-13			1120	14000	A 42300	40-09-25			196	8700	A 4600
38-09-19			425	8000	A 9180	40-12-06			86	2600	A 604
38-09-24			111	1700	A 509	41-01-10			109	800	A 235
38-09-29			86	1500	A 348	41-03-02			96	900	A 233
38-10-06			26	500	A 35	41-04-03			47	5600	A 711
38-10-11			14800	30700	A 1230000	41-04-04			46	5500	A 683
38-10-13			5000	29000	A 392000	41-05-01			2610	32700	A 230000
38-10-16			948	12600	A 32300	41-05-04			19900	51500	A 2770000
38-10-21			263	6800	A 4830	41-05-05			6480	38000	A 665000
38-10-28			84	1800	A 408	41-05-06			3510	28300	A 268000
38-11-27			29	200	A 16	41-05-10			703	12300	A 23300
38-12-09			43	400	A 46	41-05-13			1140	13400	A 41200
38-12-18			48	200	A 26	41-05-19			218	3800	A 2240
38-12-30			37	500	A 50	41-05-24	0001		18700	45100	A 2280000
39-02-10			23	300	A 19	41-05-24	0002		42100	58600	A 6660000
39-06-02			1300	19000	A 66700	41-05-25			16600	37200	A 1670000
39-06-26			972	18200	A 47800	41-05-27			11300	31200	A 952000
39-06-30	1100		4770	40500	A 522000	41-05-30			5820	20300	A 319000
39-06-30	1500		5990	17600	A 285000	41-06-02			8570	45100	A 1040000
39-06-30	2100		3740	17200	A 174000	41-06-11			8940	28100	A 678000
39-07-01			1340	12100	A 43800	41-06-18			942	9400	A 23900
39-07-03			440	7100	A 8430	41-06-21			7160	20500	A 396000
39-07-10			20	600	A 32	41-06-25			2280	13900	A 85600
39-07-19			407	7300	A 8020	41-06-26			14000	31500	A 1190000
39-07-22			1300	31600	A 111000	41-06-27			10800	29400	A 857000
39-07-23			649	23400	A 41000	41-07-01			727	5200	A 10200
39-08-06			3560	33600	A 323000	41-07-05			3810	16200	A 167000
39-08-08			2970	37500	A 301000	41-07-07			1600	8400	A 36300
39-08-10			1210	16700	A 54600	41-07-12	0001		417	4400	A 4950
39-08-13			944	11800	A 30100	41-07-12	0002		5790	23000	A 360000
39-08-15			250	7900	A 5330	41-07-14			17600	39500	A 1880000
39-08-16			540	12200	A 17800	41-07-16			7240	27100	A 530000
40-05-09			870	22400	A 52600	41-07-19			1360	17500	A 64300
40-05-29			3170	51100	A 437000	41-07-24			371	4000	A 4010
40-05-30	0001		1490	22000	A 88500	41-07-26			26800	44000	A 3180000
40-05-30	0002		872	18200	A 42900	41-07-27	0001		9720	28200	A 740000
40-06-12			842	13400	A 30500	41-07-27	0002		5030	23800	A 323000
40-06-13			396	13100	A 14000	41-07-28			7130	23900	A 460000
40-07-23			366	12500	A 12400	41-07-29			2550	15200	A 105000
40-08-10	0001		1490	62600	A 252000	41-08-01			3860	15900	A 166000
40-08-10	0002		1630	51200	A 225000	41-08-05			2960	12100	A 96700
40-08-11			881	30700	A 73000	41-08-10			2160	11500	A 67100
40-08-13	0001		1480	45400	A 181000	41-08-13			491	6100	A 8090
40-08-13	0002		1020	44100	A 121000	41-08-19			1070	8500	A 24600

\*\*\*\*\*

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-08-21			16900	23000	A 1050000	44-06-05			2390	9100	A 58700
41-08-22			5320	15800	A 227000	44-06-10			361	3500	A 3410
41-08-25			11100	24000	A 719000	44-07-19			291	10800	A 8490
41-08-26			3310	17700	A 158000	44-08-21			7.0	5900	A 112
41-08-29			656	7800	A 13800	44-09-03			3800	18900	A 194000
41-09-05			429	3400	A 3940	44-10-02			1380	9900	A 36900
41-09-11			286	2200	A 1700	44-12-07			442	2800	A 3340
41-09-18			818	7900	A 17400	45-01-12			100	400	A 108
41-09-24	0001		54800	65600	A 9710000	45-02-24			156	200	A 84
41-09-24	0002		28900	59600	A 4650000	45-08-16			5310	43900	A 629000
41-09-25			24700	63600	A 4240000	45-08-17			1270	15300	A 52500
41-09-26			14600	33200	A 1310000	45-08-18	0001		1750	32400	A 153000
41-09-30			19300	27800	A 1450000	45-08-18	0002		3880	36300	A 380000
41-10-01			31600	44600	A 3810000	45-08-23			621	10700	A 17900
41-10-03			10100	22000	A 600000	45-10-02			894	13600	A 32800
41-10-08			3460	13600	A 127000	45-10-04			564	10300	A 15700
41-10-14			1390	6300	A 23600	45-10-16			951	13000	A 33400
41-10-24			18400	33400	A 1660000	45-10-19			251	10200	A 6910
41-10-26			14700	29400	A 1170000	45-10-26			18	500	A 24
41-10-31			3310	10700	A 95600	45-11-29			2.0	300	A 1.6
41-11-05			1070	8600	A 24800	46-01-07			89	1100	A 264
41-11-09			2330	5600	A 35200	46-01-17			42	400	A 45
41-11-24			594	4300	A 6900	46-04-16			2.0	200	A 1.1
41-12-03			534	2700	A 3890	46-05-16			632	12700	A 21700
41-12-16			627	3500	A 5930	46-05-17	0001		571	8200	A 12600
42-01-21			323	3000	A 2620	46-05-17	0002		193	4000	A 2080
42-02-05			262	2700	A 1910	46-05-21			1.0	300	A 0.81
42-02-14			304	2100	A 1720	46-06-02			1410	15400	A 58600
42-02-23			448	2300	A 2780	46-06-06			112	8500	A 2570
42-03-05			1000	3200	A 8640	46-08-22			1450	56500	A 221000
42-03-19			321	3200	A 2770	46-08-23			392	36800	A 38900
42-04-11			265	4000	A 2860	46-08-25			91	19000	A 4670
42-04-17			95	1200	A 308	46-09-03			196	15600	A 8260
42-04-20			6170	15500	A 258000	46-09-13			6040	23000	A 375000
42-04-21			11900	29800	A 957000	46-09-14			1830	19800	A 97800
42-04-26			9460	25700	A 656000	46-09-16			287	9000	A 6970
42-04-27			26100	65100	A 4590000	46-09-17			2600	34600	A 243000
42-05-04			4730	11800	A 151000	46-09-18			909	27400	A 67200
42-05-26			198	1900	A 1020	46-09-19			5500	26700	A 396000
42-05-28			1840	7700	A 38300	46-09-23			1290	16600	A 57800
42-06-01			3160	7400	A 63100	46-09-27			171	9300	A 4290
42-06-08			28300	26300	A 2010000	46-10-07			8580	20200	A 468000
42-06-12			426	3000	A 3450	46-10-08			17500	18100	A 855000
42-06-22			2500	16700	A 113000	46-10-14			1050	12700	A 36000
42-06-23			2230	7600	A 45800	46-11-01			123	1800	A 598
42-06-25			4140	13400	A 150000	46-12-14			284	2900	A 2220
42-06-28			363	11200	A 11000	47-05-16			2750	24100	A 179000
42-07-24			616	7800	A 13000	47-05-17			2560	11900	A 82300
42-07-29			58	1500	A 235	47-05-26			192	3200	A 1660
42-08-05			32	700	A 60	47-06-26			625	4400	A 7420
42-08-14			92	2200	A 546	47-07-11			5880	62100	A 986000
42-08-17			5960	22600	A 364000	47-07-12			1480	17300	A 69100
42-08-18			1700	10100	A 46400	47-07-21			161	4600	A 2000
42-08-24			257	8800	A 6110	48-02-26			244	2000	A 1320
42-08-31			18	600	A 29	48-03-03			441	6200	A 7380
42-09-04			25600	38200	A 2640000	74-10-24			1700	17	21 0.96
42-09-05			25000	25500	A 1720000	74-11-21			0945	23	27 1.7
42-09-07			22600	30200	A 1840000	74-12-18			1600	31	25 2.1
42-09-10			5870	13900	A 220000	75-01-15			1730	147	114 45
42-09-14			2720	9800	A 72000	75-02-20			0930	380	104 107
42-09-19			421	3000	A 3410	75-03-12			1500	90	153 37
42-09-20			7550	18100	A 369000	75-04-16			1000	330	73 65
42-09-24			312	3100	A 2610	75-05-14			0715	2900	3740 29300
42-10-03			857	5300	A 12300	75-06-11			1430	425	77 88
42-10-07			120	600	A 194	75-07-11			0900	0.50	5 0.01
42-10-16			6350	16200	A 278000	75-08-06			1515	96	31 8.0
42-10-19			2410	13400	A 87200	75-09-17			1415	0.50	17 0.02
42-10-20			1680	8000	A 36300	75-10-15			1530	0.40	2 0.00
42-10-27			443	3100	A 3710	75-11-05			1030	12	7 0.23
42-11-05			207	3800	A 2120	75-12-04			1020	31	35 2.9
42-11-11			577	6900	A 10700	76-01-08			0745	20	75 4.0
42-11-18			142	1000	A 383	76-02-19			1130	33	32 2.9
43-01-25			74	200	A 40	76-03-17			1400	68	19 3.5
43-07-10			5680	32300	A 495000	76-04-22			1100	216	349 204
43-07-11			2320	13300	A 83300	76-05-26			1500	357	1620 1560
43-07-15			320	3800	A 3280	76-06-27			1000	1.2	6 0.02
43-08-24			70	600	A 113	76-07-21			1400	0.12	2 0.00
44-02-28			274	1400	A 1040	76-08-04			1000	0.15	21 0.01
44-04-11			168	1400	A 635	76-09-15			1430	0.34	12 0.01
44-04-29			290	2600	A 2040	76-10-07			0930	10.0	12 0.32
44-05-02			93	700	A 176	76-11-03			1230	33	25 2.2
44-05-12			5130	30200	A 418000	76-12-09			0930	36	40 3.9
44-05-13			4250	17000	A 195000	77-01-05			1215	20	27 1.5
44-05-15			998	15600	A 42000	77-02-10			0915	45	138 17
44-05-22			17	10000	A 459	77-03-16			0900	30	33 2.7
44-05-28			1340	6900	A 25000	77-04-07			0900	28	36 2.7
44-05-29			3880	17100	A 179000	77-05-04			0930	261	499 352
44-05-31			1450	13300	A 52100	77-06-09			0900	40	397 43
44-06-03			1500	12400	A 50200	77-07-13			0915	1.5	36 0.15

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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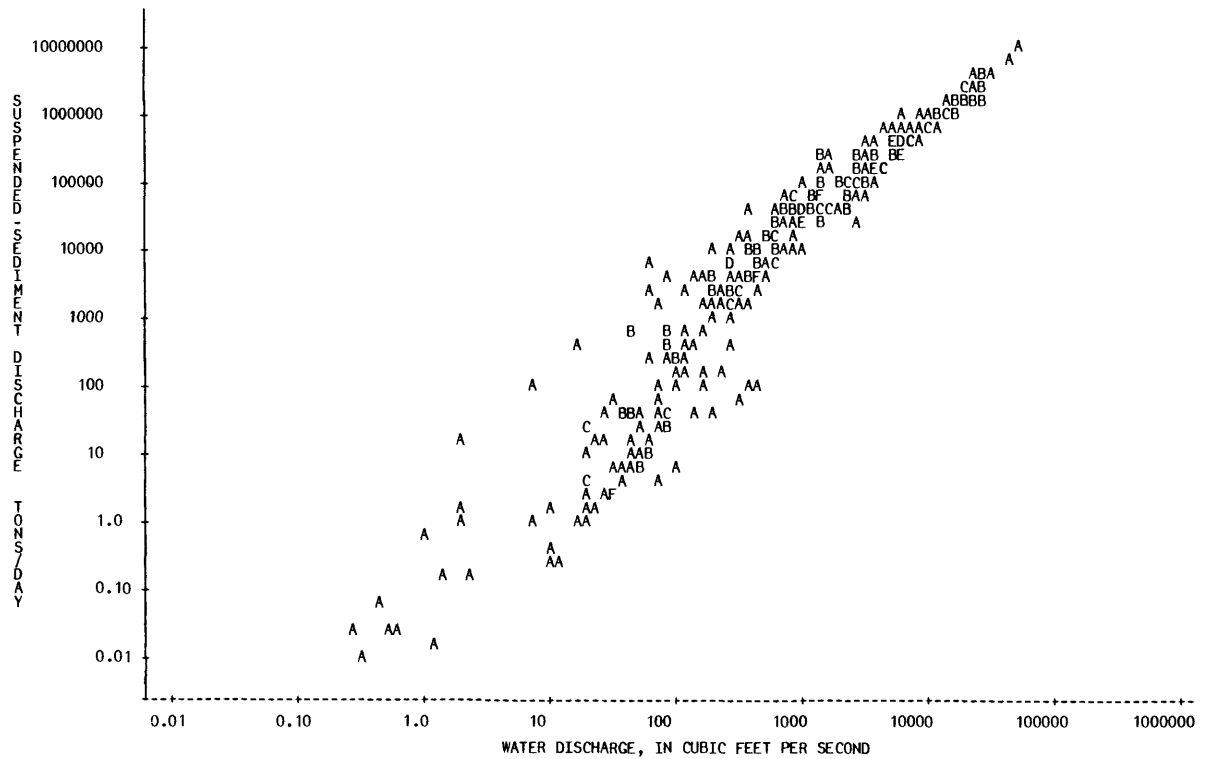
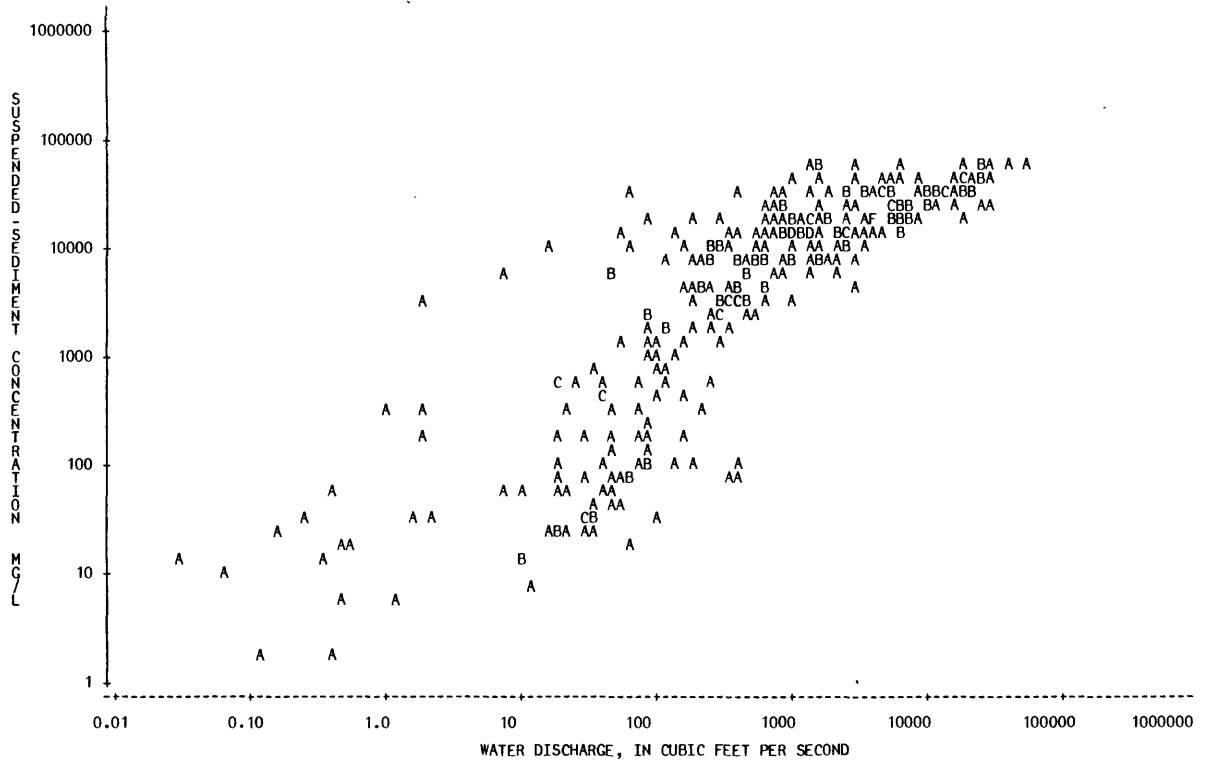
## 07228000 CANADIAN RIVER NEAR CANADIAN, TEX--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-10-06		0900	9.5	14	0.36
77-11-02		0930	32	29	2.5
77-12-08		0900	47	47	6.0
78-01-11		0910	20	21	1.1
78-02-11		1020	88	93	22
78-03-08		0920	88	196	47
78-04-20		1215	30	81	6.6
78-05-24		1000	152	429	176
78-06-22		1100	190	98	50
78-07-26		0830	0.57	20	0.03
78-08-22		1200	0.41	52	0.06
78-09-26		1430	90	93	23
78-10-18		1400	7.0	62	1.2
78-11-29		0945	39	57	6.0
78-12-19		1530	58	71	11
79-02-21		1430	65	78	14
79-03-13		1230	52	47	6.6
79-04-25		1000	20	88	4.8
79-05-16		1100	50	280	38
79-06-19		0900	2.3	32	0.20
79-07-12		0900	10.0	63	1.7
79-08-29		1330	20	59	3.2
79-10-30		1030	18	170	8.3
79-11-27		1500	48	59	7.6
79-12-18		1130	43	93	11
80-01-15		1140	59	71	11
80-02-26		1300	73	314	62
80-03-25		1630	81	213	47
80-04-22		1630	50	83	11
80-05-13		1100	76	108	22
80-06-24		1415	21	64	3.6
80-07-22		1245	0.25	35	0.02
80-08-19		1130	0.06	11	0.00
80-09-02		1415	0.03	14	0.00

\*\*\*\*\*  
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07228000 CANADIAN RIVER NEAR CANADIAN, TEX.



## ARKANSAS RIVER BASIN

07228250 CANADIAN RIVER NEAR TALOGA, OKLA.

LOCATION.--Lat 36°03', long 98°58', in NW 1/4 sec.12, T.18 N., R.17 W., Dewey County, Hydrologic Unit 11090201, at U.S. Highway 183 bridge, 1 mi (1.6 km) north of Taloga, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--24,391 mi<sup>2</sup> (63,173 km<sup>2</sup>), of which 4,788 mi<sup>2</sup> (12,375 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1938-45.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico, and by Lake Meredith in Texas since 1964.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-23			8240	26300	A 585000	41-10-20			1320	3900	A 13900
38-06-10			15800	32700	A 1390000	41-11-09			6220	12700	A 213000
38-06-23			600	11900	A 19300	41-11-18			520	4900	A 6880
38-07-12			61	3100	A 511	41-12-01			405	1800	A 1970
38-07-21			24300	54900	A 3600000	41-12-15			2830	6400	A 48900
38-08-12			99	3800	A 1020	42-01-22			388	600	A 629
38-08-25			23	11900	A 739	42-05-26			315	2200	A 1870
38-09-08			22500	94800	A 5760000	42-06-04			3990	7100	A 76500
38-09-09			21500	58400	A 3390000	42-06-09	0001		34600	44500	A 4160000
38-09-22			118	3600	A 1150	42-06-09	0002		34000	29400	A 2700000
38-09-28			53	1300	A 186	42-06-17			235	2400	A 1520
38-10-25			143	3300	A 1270	42-06-29			522	7200	A 10100
38-11-02			50	1900	A 256	42-07-07			1980	8400	A 44900
38-11-29			1.0	200	A 0.54	42-09-05			24400	41600	A 2740000
38-12-19			27	400	A 29	42-10-19			9180	12300	A 305000
38-12-27			26	400	A 28	42-10-29			2420	3700	A 24200
39-01-03			28	300	A 23	43-03-16			5.0	400	A 5.4
39-01-09			2190	12300	A 72700	43-05-26			125	700	A 236
39-01-19			336	3800	A 3450	43-06-16			26	12700	A 892
39-01-27			257	2400	A 1670	43-07-16			131	3700	A 1310
39-02-10			12	300	A 9.7	43-07-19			120	2100	A 680
39-02-17			17	300	A 14	43-12-27			77	1800	A 374
39-02-24			31	500	A 42	43-12-30			42	300	A 34
39-03-03			70	1200	A 227	44-01-05			517	3000	A 4190
39-07-10			41	700	A 77	44-01-10			92	200	A 50
39-07-25			484	22000	A 28700	44-01-12			100	100	A 27
39-08-07			7820	36500	A 771000	44-01-14			141	400	A 152
40-02-06			290	3200	A 2510	44-01-17			251	800	A 542
40-02-21			235	3300	A 2090	44-01-21	0001		128	300	A 104
40-02-29			99	1300	A 347	44-01-21	0002		259	3500	A 2450
40-06-03			805	15600	A 33900	44-01-21	0003		2.0	1900	A 10
40-06-18			56	1200	A 181	44-01-27			874	4100	A 9680
40-08-16			954	37800	A 97400	44-01-31			900	4200	A 10200
40-08-22			724	16200	A 31700	44-02-05			123	1100	A 365
40-11-01			15	1200	A 49	44-02-07			124	700	A 234
40-11-27			352	5000	A 4750	44-02-08			123	700	A 232
40-12-17			28	1600	A 121	44-02-12			70	300	A 57
41-01-14			224	2100	A 1270	44-02-14			30	100	A 8.1
41-01-22			124	2200	A 737	44-02-16			87	400	A 94
41-02-11			83	1100	A 247	44-02-28			188	500	A 254
41-02-18			23	600	A 37	44-03-08			64	900	A 156
41-02-28			331	2900	A 2590	44-03-19			120	1400	A 454
41-03-11			68	800	A 147	44-03-25			9.0	500	A 12
41-03-19			3.0	100	A 0.81	44-04-14			27	1300	A 95
41-05-05			19400	52100	A 2730000	44-04-26			24	900	A 58
41-05-06			9460	37500	A 958000	44-05-02			246	1200	A 797
41-08-22			16200	35800	A 1570000	44-05-10			27	100	A 7.3
41-09-02			627	6900	A 11700	44-05-15			6954	42500	A 798000
41-09-09			2270	15500	A 95000	44-05-22			20	400	A 22
41-09-24			132000	63000	A22500000	44-05-31			4295	19600	A 227000
41-09-26			22100	48600	A 2900000	44-06-05			973	7800	A 20500
41-09-30			19300	26400	A 1380000	44-06-14			838	5700	A 12900
41-10-15			3320	10500	A 94100	44-06-22			78	4000	A 842

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

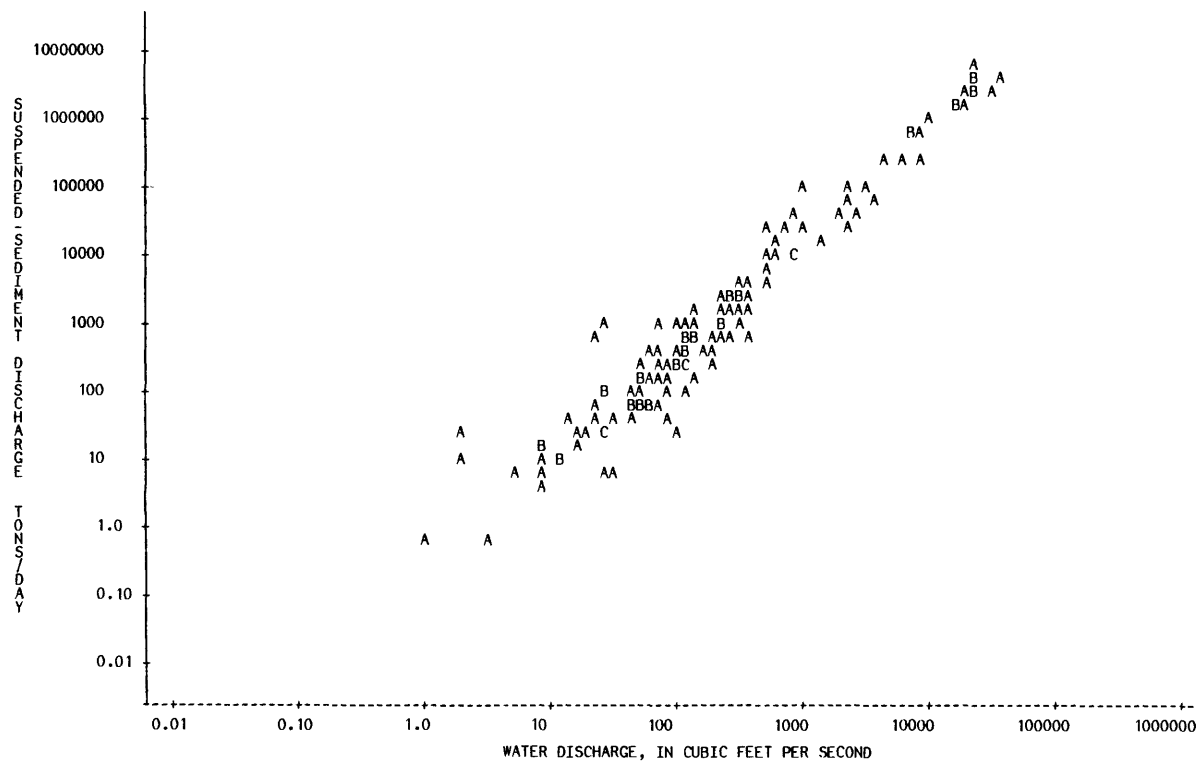
ARKANSAS RIVER BASIN

07228250 CANADIAN RIVER NEAR TALOGA, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-08-03			9.0	300	A 7.3
44-08-30			8.0	600	A 13
44-09-21			2.0	5900	A 32
44-09-23			9.0	600	A 15
44-10-09			180	800	A 389
44-11-06			9.0	200	A 4.9
44-11-13			51	500	A 69
44-11-20			12	300	A 9.7
44-11-28			44	700	A 83
44-12-13			135	1900	A 693
44-12-18			187	1600	A 808
44-12-26			48	600	A 78
45-01-01			246	1600	A 1060
45-01-08			135	1900	A 693
45-01-16			61	400	A 66
45-01-22			300	1200	A 972
45-02-06			297	2900	A 2330
45-02-12			64	400	A 69
45-02-21			81	800	A 175
45-02-28			396	2100	A 2250
45-03-05			104	800	A 225
45-03-12			17	500	A 23
45-03-19			108	1100	A 321
45-04-17			50	700	A 94
45-04-23			43	600	A 70
45-04-30			177	800	A 382

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07228500 CANADIAN RIVER AT BRIDGEPORT, OKLA.

LOCATION.--Lat 35°32'37", long 98°19'03", SE 1/4 NW 1/4 sec.1, T.12 N., R.11 W., Blaine County, Hydrologic Unit 11090202, on downstream side of pier near center of bridge on U.S. Highway 281, 3.3 mi (5.3 km) north of Bridgeport, 1.6 mi (2.6 km) downstream from Lumpmouth Creek, and at mile 263.3 (423.6 km).

DRAINAGE AREA.--25,276 mi<sup>2</sup> (65,465 km<sup>2</sup>), of which 4,801 mi<sup>2</sup> (12,435 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1944-64, 1979-80.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico, and by Lake Meredith in Texas since 1964. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-02-21			190	600	A 308	44-11-20			41	300	A 33
44-02-25			151	1200	A 489	44-11-24			35	200	A 19
44-02-29			220	600	A 356	44-11-28			47	300	A 38
44-03-04			649	3300	A 5780	44-11-30			78	500	A 105
44-03-08			152	1000	A 410	44-12-09			1060	5100	A 14600
44-03-18			565	2100	A 3200	44-12-12			350	3800	A 3590
44-03-25			84	600	A 136	44-12-15			258	3100	A 2160
44-04-01			91	100	A 25	44-12-18			350	3200	A 3020
44-04-06			27	300	A 22	44-12-29			167	1200	A 541
44-04-08			25	200	A 13	45-01-01			201	1900	A 1030
44-04-11			245	2100	A 1390	45-01-05			451	3900	A 4750
44-04-18			53	400	A 57	45-01-08			217	900	A 527
44-04-26			118	900	A 287	45-01-11			175	700	A 331
44-05-02			389	3500	A 3680	45-01-16			120	400	A 130
44-05-09			58	100	A 16	45-01-19			311	1400	A 1180
44-05-15			25	100	A 6.7	45-01-22			583	2300	A 3620
44-05-16			6070	37600	A 616000	45-01-25			715	3800	A 7340
44-05-16	D001		6200	30100	A 504000	45-01-29			646	3600	A 6280
44-05-19			441	5900	A 7030	45-02-01			305	1700	A 1400
44-05-23			68	600	A 110	45-02-06			267	2100	A 1510
44-05-30			206	2800	A 1560	45-02-08			306	2100	A 1740
44-06-01			4140	27600	A 309000	45-02-12			98	800	A 212
44-06-05			1340	9400	A 34000	45-02-15			83	800	A 179
44-06-14			4110	18300	A 203000	45-02-20			101	100	A 27
44-06-22			269	5700	A 4140	45-03-05			198	1900	A 1020
44-06-27			30	300	A 24	45-03-09			135	1200	A 437
44-07-03			15	200	A 8.1	45-03-12			70	500	A 94
44-07-11			63	600	A 102	45-03-19			454	2800	A 3430
44-07-17			10.0	200	A 5.4	45-03-23			78	700	A 147
44-07-24			637	9600	A 16500	45-03-26			48	800	A 104
44-07-26			2060	11300	A 62900	45-04-02			27	500	A 36
44-07-29			479	5300	A 6850	45-04-05			25	100	A 6.7
44-08-03			83	1100	A 247	45-04-09			21	200	A 11
44-08-07			8.0	300	A 6.5	45-04-13			246	1600	A 1060
44-08-18			214	1900	A 1100	45-04-15			3730	10200	A 103000
44-08-22			8.0	200	A 4.3	45-04-16			3180	43300	A 372000
44-08-28			10.0	100	A 2.7	45-04-17			554	5100	A 7630
44-08-30			17	300	A 14	45-04-20			137	700	A 259
44-09-05			221	7700	A 4590	45-04-23			71	400	A 77
44-09-07			2760	21100	A 157000	45-04-26			136	800	A 294
44-09-11			616	4700	A 7820	45-04-30			224	1000	A 605
44-09-13			86	1700	A 395	45-05-03			109	400	A 118
44-09-18			31	500	A 42	45-05-07			43	300	A 35
44-09-27			42	500	A 57	45-05-11			160	1500	A 648
44-10-04			1520	6300	A 25900	45-05-14			80	1200	A 259
44-10-09			370	1500	A 1500	45-05-18			35	200	A 19
44-10-12			90	900	A 219	45-05-24			25	100	A 6.7
44-10-19			13	100	A 3.5	45-05-30			24	200	A 13
44-10-26			13	100	A 3.5	45-06-06			24	200	A 13
44-10-30			13	200	A 7.0	45-06-13			103	1800	A 501
44-11-02			11	100	A 3.0	45-06-19			22	200	A 12
44-11-06			65	400	A 70	45-06-25			58	400	A 63
44-11-13			91	600	A 147	45-06-29			1350	11200	A 40800

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-06-29	0001		2880	11300	A 87900	48-03-30			49	500	A 66
45-07-02			28	300	A 23	48-04-13			18	200	A 9.7
45-07-16			44	400	A 48	48-04-29			19	200	A 10
45-07-24			10.0	500	A 13	48-05-18			9.0	200	A 4.9
45-07-30			9.0	600	A 15	48-06-17			65	1200	A 211
45-08-20			8.0	200	A 4.3	48-07-08			151	600	A 245
45-08-28			399	10100	A 10900	48-07-20			30	200	A 16
45-09-04			4.0	300	A 3.2	48-08-24			180	3700	A 1800
45-09-24			155	1800	A 753	48-09-17			8.0	400	A 8.6
45-09-27			185	2400	A 1200	48-11-04			83	500	A 112
45-09-28			13900	55800	A 2090000	48-11-08			366	8100	A 8000
45-09-30			3850	20400	A 212000	49-02-15			673	2900	A 5270
45-10-03			483	2800	A 3650	49-03-17			109	300	A 88
45-10-08			540	4200	A 6120	49-03-21			224	2700	A 1630
45-10-17			52	400	A 56	49-10-27			41	200	A 22
45-10-23			194	2100	A 1100	49-11-21			17	100	A 4.6
45-10-30			42	200	A 23	49-12-19			22	200	A 12
45-11-06			20	200	A 11	50-01-03			117	400	A 126
45-11-13			20	200	A 11	50-01-23			76	100	A 21
45-11-21			21	300	A 17	50-02-14			76	400	A 82
45-11-28			23	200	A 12	50-02-20			119	600	A 193
45-12-05			22	400	A 24	50-04-03			19	100	A 5.1
45-12-28			37	500	A 50	50-04-10			17	200	A 9.2
46-01-03			32	400	A 35	50-04-19			22	100	A 5.9
46-01-10			42	400	A 45	50-04-24			16	100	A 4.3
46-01-17			100	700	A 189	50-05-03			15	200	A 8.1
46-01-21			82	500	A 111	50-05-09			112	1000	A 302
46-02-27			105	900	A 255	50-05-10			120	3600	A 1170
46-03-04			29	300	A 23	50-05-16			30	300	A 24
46-03-18			18	200	A 9.7	50-05-26			30	300	A 24
46-03-26			18	300	A 15	50-06-11			245	3200	A 2120
46-04-02			19	300	A 15	50-06-21			459	4400	A 5450
46-04-10			20	100	A 5.4	50-06-27			1100	27300	A 81100
46-04-15			20	200	A 11	50-06-28			303	11600	A 9490
46-04-24			30	600	A 49	50-07-03			3700	32900	A 329000
46-05-07			12	100	A 3.2	50-07-05			4190	22400	A 253000
46-05-13			14	100	A 3.8	50-07-07			6680	29900	A 539000
46-05-21			18	100	A 4.9	50-07-10			10700	43300	A 1250000
46-05-28			10.0	100	A 2.7	50-07-11			3640	25500	A 251000
46-06-06			546	15100	A 22300	50-07-12			1440	16800	A 65300
46-06-10			69	3400	A 633	50-07-14			1170	16000	A 50500
46-07-01			4240	23600	A 270000	50-07-18			3060	15400	A 127000
46-07-16			10.0	1800	A 49	50-07-20			4020	18200	A 198000
46-07-29			1.0	1400	A 3.8	50-07-21			12200	20700	A 682000
46-08-13			7.0	1500	A 28	50-07-22			9620	67400	A 1750000
46-08-21			11	1300	A 39	50-07-24			8650	25600	A 598000
46-09-05			222	18600	A 11100	50-07-26			8900	32000	A 769000
46-09-13			73	1500	A 296	50-07-27			3360	21000	A 191000
46-09-15			7210	58100	A 1130000	50-07-28			3530	19800	A 189000
46-09-15	1400		5400	38400	A 560000	50-08-01			23700	22600	A 1450000
46-09-16			1940	27700	A 145000	50-08-02			5730	10200	A 158000
46-09-23			6840	52200	A 964000	50-08-04			4350	19000	A 223000
46-09-23	1700		7080	39700	A 759000	50-08-11			703	62900	A 119000
46-09-24			4520	27100	A 331000	50-08-21			356	1900	A 1830
46-09-27			768	15200	A 31500	50-08-31			5350	15100	A 218000
46-10-03			162	9100	A 3980	50-09-01			967	8100	A 21100
46-10-08			26400	35800	A 2550000	50-09-06			3790	11900	A 122000
46-10-09	0001		11600	38300	A 1200000	50-09-15			4340	15500	A 182000
46-10-09	0002		49400	56200	A 7500000	50-09-28			5130	19700	A 273000
46-10-10	0001		26300	43500	A 3090000	50-10-16			39	500	A 53
46-10-10	0002		15300	38300	A 1580000	50-10-23			19	200	A 10
46-10-21			368	4300	A 4270	51-01-12			146	1200	A 473
46-10-29			138	1400	A 522	51-01-19			465	2000	A 2510
46-11-14			256	1700	A 1180	51-02-19			200	800	A 432
46-11-20			181	700	A 342	51-02-28			2440	7100	A 46800
46-12-18			518	2700	A 3780	51-03-06			169	1000	A 456
47-01-19			62	200	A 33	51-03-13			108	700	A 204
47-01-30			131	700	A 248	51-04-04			20	100	A 5.4
47-02-06			54	300	A 44	51-04-10			30	300	A 24
47-02-27			30	700	A 57	51-05-09			18	300	A 15
47-03-18			618	2200	A 3670	51-05-16			53	5000	A 715
47-04-03			23	400	A 25	51-05-17			48700	29600	A 3890000
47-04-22			191	3000	A 1550	51-05-18			39500	32700	A 3490000
47-05-06			56	2500	A 378	51-05-19			24500	24500	A 1620000
47-05-12			22200	14400	A 863000	51-05-26			1220	5200	A 17100
47-05-13			1060	4000	A 11400	51-05-28			555	2900	A 4350
47-06-19			25	200	A 13	51-06-02			235	1000	A 634
47-07-01			159	1200	A 515	51-08-14			9.0	200	A 4.9
47-11-05			12	100	A 3.2	51-08-27			6.0	100	A 1.6
47-11-26			16	200	A 8.6	51-10-11			11	200	A 5.9
47-12-08			29	300	A 23	51-12-04			81	100	A 22
47-12-18			24	200	A 13	52-01-04			30	100	A 8.1
48-01-06			33	300	A 27	52-01-09			66	600	A 107
48-01-15			22	300	A 18	52-01-22			77	500	A 104
48-01-29			24	400	A 26	52-02-01			34	300	A 28
48-02-16			65	300	A 53	52-02-12			53	100	A 14
48-02-24			366	3300	A 3260	52-03-07			198	1200	A 642
48-03-09			624	2400	A 4040	52-04-02			20	200	A 11
48-03-17			7.0	2800	A 53	52-05-23			1410	21000	A 79900

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
*****												
52-11-25			46	400	A	50			1970	13600	A	72300
52-12-04			16	300	A	13			4440	15900	A	191000
52-12-11			14	200	A	7.6			5210	8550	A	120000
52-12-22			20	200	A	11			3420	22300	A	206000
53-01-05			17	200	A	9.2			195	2400	A	1260
53-02-02			41	700	A	77			3600	20400	A	198000
53-02-16			15	200	A	8.1			11100	23500	A	704000
53-03-02			42	200	A	23			166	4450	A	1990
53-03-04			60	400	A	65			255	1420	A	978
53-03-16			37	200	A	20			1380	26900	A	100000
53-04-01			15	100	A	4.0			1100	31100	A	92400
53-04-05			42	300	A	34			847	10500	A	24000
53-04-07			69	200	A	37			363	11400	A	11200
53-04-21			13	100	A	3.5			71	10200	A	1960
53-05-01		10.0	200	A	5.4				102	1340	A	369
53-05-14			37	300	A	30			5690	12800	A	197000
53-05-18			77	500	A	104			1110	18800	A	56300
53-06-01		3.0	100	A	0.81				114	1090	A	336
53-06-09			13	1600	A	56			42	300	A	34
53-06-11			338	1500	A	1370			28	310	A	23
53-06-12			153	1000	A	413			15	180	A	7.3
53-06-15		3.0	100	A	0.81				14	110	A	4.2
53-07-10			398	2490	A	2680			6410	61200	A	1060000
53-07-11			98	1100	A	291			2830	5700	A	43600
53-07-13			77	1100	A	229			875	13000	A	30700
53-07-17			736	2460	A	4890			336	13700	A	12400
53-07-20			260	2370	A	1660			25	410	A	28
53-07-22			47	230	A	29			181	4440	A	2170
53-07-25			1270	7510	A	25800			1240	12500	A	41900
53-07-26			867	12400	A	29000			373	4980	A	5020
53-07-27			1280	9000	A	31100			6270	30300	A	513000
53-07-31			108	4830	A	1410			878	11800	A	28000
53-08-10		7.0	120	A	2.3				53	380	A	54
53-08-18		7.0	170	A	3.2				3570	22200	A	214000
53-08-19			27	190	A	14			8160	13200	A	291000
53-08-22			5430	52300	A	767000			320	1180	A	1020
53-08-24			2660	34300	A	246000			5070	24600	A	337000
53-08-28			470	16700	A	21200			4340	14200	A	166000
53-09-02			53	8020	A	1150			5560	21800	A	327000
53-09-15		2.0	80	A	0.43				1950	10500	A	55300
53-10-19			223	6860	A	4130			732	3700	A	7310
53-10-23			292	2820	A	2220			475	2500	A	3210
53-10-26			3680	20400	A	203000			3810	16200	A	167000
53-11-02			175	2340	A	1110			1320	10600	A	37800
53-11-16			34	260	A	24			4190	16500	A	187000
53-11-20			121	2330	A	761			564	4200	A	6400
53-12-01			32	200	A	17			9.0	1720	A	42
54-01-05			44	180	A	21			8.0	110	A	2.4
54-01-18			34	140	A	13			163	14600	A	6430
54-02-01			133	790	A	284			34	520	A	48
54-02-15			23	220	A	14			177	5140	A	2460
54-04-01			16	250	A	11			163	1540	A	678
54-04-12			21	150	A	8.5			118	1000	A	319
54-04-20			15	130	A	5.3			204	1480	A	815
54-05-01			8710	16700	A	393000			695	4600	A	8630
54-05-02			1040	7800	A	21900			153	1720	A	711
54-05-04			358	5290	A	5110			140	570	A	215
54-05-10			104	550	A	154			2840	29600	A	227000
54-05-15			1120	9590	A	29000			37	5550	A	554
54-05-17			858	5840	A	13500			5270	11600	A	165000
54-05-21			3440	15000	A	139000			5440	34500	A	507000
54-05-24			14500	14800	A	579000			2030	19000	A	104000
54-05-25			5140	17100	A	237000			449	6970	A	8450
54-05-27			2740	13400	A	99100			1410	7800	A	29700
54-05-29			800	5380	A	11600			283	7670	A	5860
54-06-02			312	4230	A	3560			54	1510	A	220
54-06-16			575	3700	A	5740			14	510	A	19
54-07-28			1460	70700	A	279000			24	390	A	25
54-07-29			665	32500	A	58400			27	290	A	21
54-08-02			126	18500	A	6290			51	260	A	36
54-08-27			269	62100	A	45100			118	470	A	150
54-09-30			18	1040	A	51			101	1610	A	439
54-10-15			324	820	A	717			29	490	A	38
55-03-01			15	180	A	7.3			34	450	A	41
55-05-05			2520	29300	A	199000			186	1560	A	783
55-05-06			1200	18100	A	58600			1300	8950	A	31400
55-05-07			672	13000	A	23600			2070	12300	A	68700
55-05-08			326	9380	A	8260			16200	25500	A	1120000
55-05-09			1860	17900	A	89900			40	470	A	51
55-05-10			1130	9150	A	27900			38	80	A	8.2
55-05-11			3490	11600	A	109000			83	440	A	99
55-05-12			2850	10500	A	80800			448	4770	A	5770
55-05-13			1980	17500	A	93600			620	11500	A	19300
55-05-16			1030	10700	A	29800			250	2070	A	1400
55-05-18			552	4450	A	6630			76	850	A	174
55-05-20			8400	13600	A	308000			4060	64200	A	704000
55-05-21			11400	23700	A	729000			37	4690	A	469
55-05-22			29200	40400	A	3190000			10.0	420	A	11
55-05-24			4040	23700	A	259000			16400	24100	A	1070000

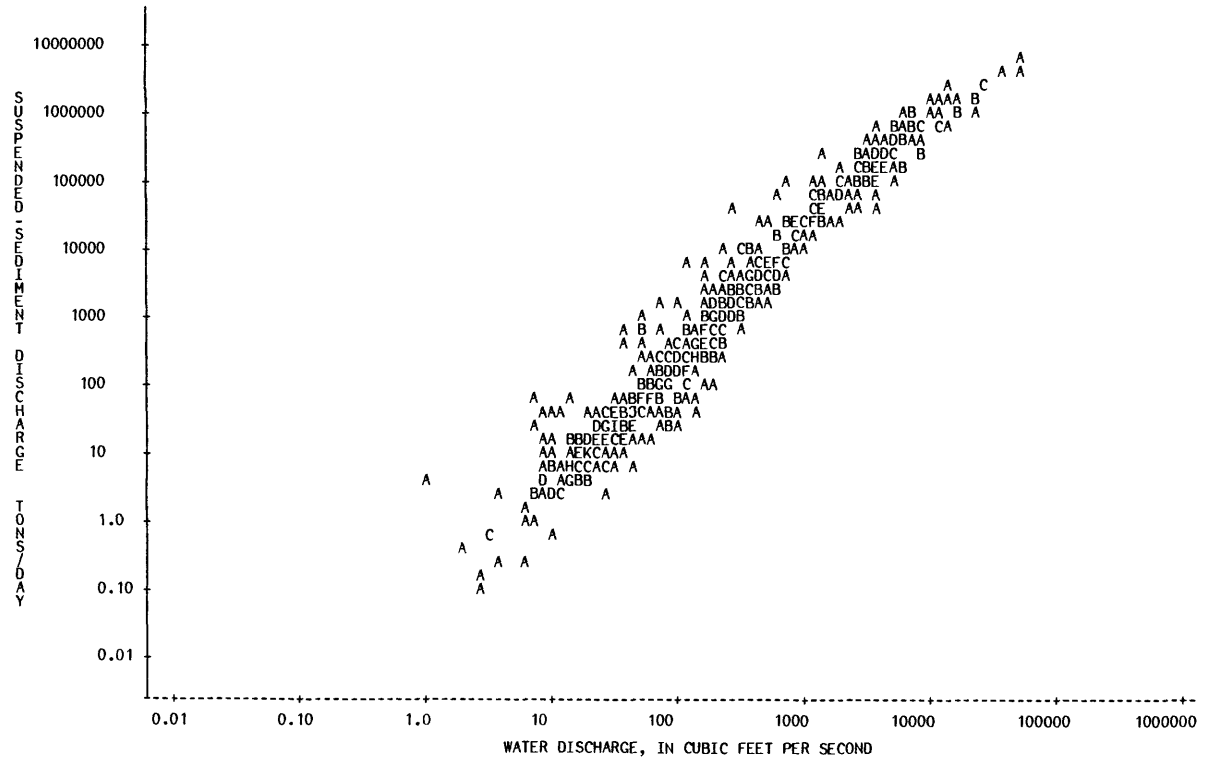
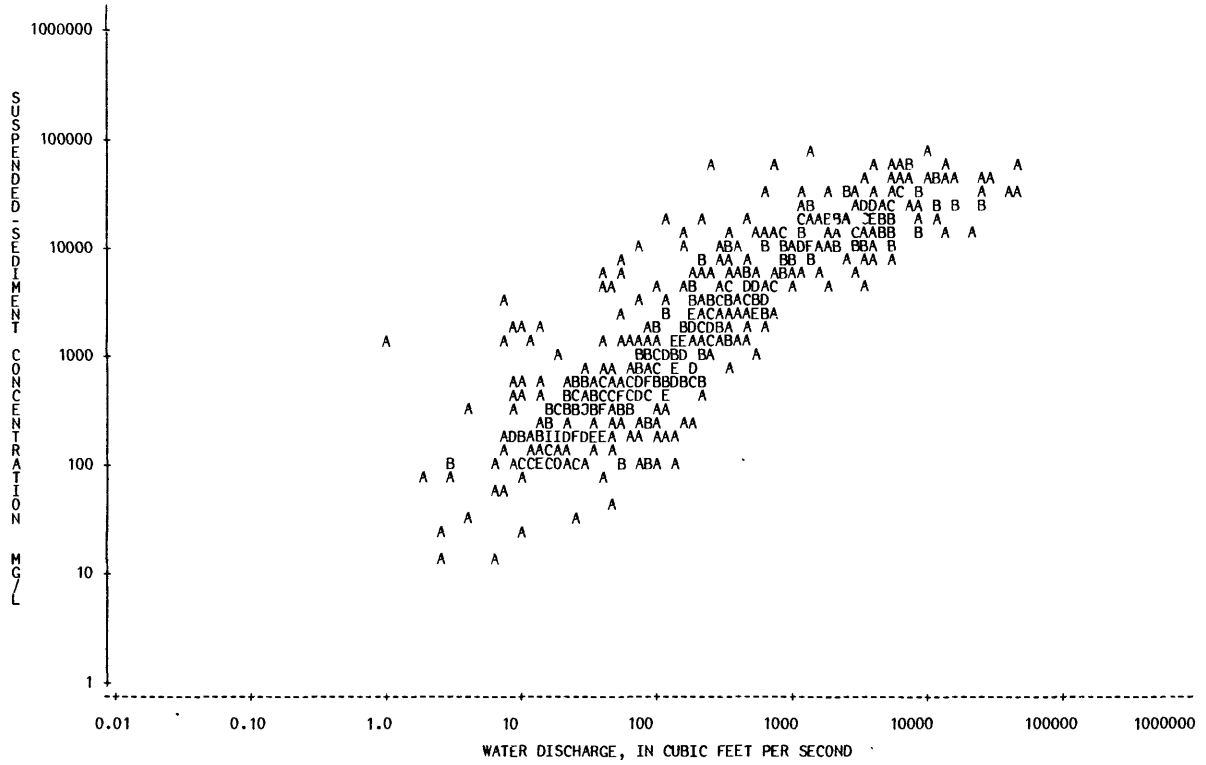
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-09-29			180	1970	A 957	79-02-27	1150	195	735		387
59-10-20			80	390	A 84	79-03-08	1140	232	482		302
59-11-16			50	4720	A 637	79-03-14	1000	155	239		100
59-12-01			59	470	A 75	79-04-13	1440	181	543		265
60-03-16			442	4290	A 5120	79-04-26	0930	91	594		146
60-03-29			228	1990	A 1230	79-05-03	1030	366	2340		2310
60-04-12			55	400	A 59	79-05-16	1155	174	589		277
60-05-17			31	330	A 28	79-06-06	0945	251	1240		840
60-06-09			585	2480	A 3920	79-07-06	1208	891	10300		24800
60-06-11			9090	28400	A 697000	79-07-24	1530	6980	21600		407000
60-07-08			134	1380	A 499	79-07-25	1335	3700	6760		67500
60-07-11			11700	43700	A 1380000	79-07-25	1455	3650	8510		83900
60-07-19			1140	9630	A 29600	79-07-25	1530	3516	4320		41000
60-07-25			919	6580	A 16300	79-07-26	1230	634	1840		3150
60-08-05			158	940	A 401	79-08-14	1020	164	614		272
60-08-13			14200	44600	A 1710000	79-09-04	1505	14	431		16
60-08-19			1360	8860	A 32500	79-10-03	1630	9.5	107		2.7
60-09-01			145	1070	A 419	79-10-12	1300	9.9	80		2.1
60-09-14			100	530	A 143	79-11-13	1330	134	553		200
60-09-28			1690	15800	A 72100	79-11-16	1005	104	261		73
60-10-06			134	1210	A 438	79-12-06	1500	82	232		51
60-10-12			2950	13500	A 108000	79-12-11	1110	84	212		48
60-10-20			1930	4720	A 24600	80-01-09	1500	94	285		72
60-10-27			704	5300	A 10100	80-01-17	1140	131	200		71
60-11-10			135	750	A 273	80-02-14	1430	220	556		330
60-11-22			126	520	A 177	80-03-05	1430	110	440		131
60-12-05			128	510	A 176	80-03-21	1150	131	106		37
60-12-27			461	3200	A 3980	80-04-01	1100	522	2270		3200
61-01-12			236	1490	A 949	80-04-18	1035	98	158		42
61-01-24			103	950	A 264	80-05-01	1300	565	3580		5460
61-02-09			232	6160	A 3860	80-05-08	1525	474	1340		1710
61-03-01			646	3670	A 6400	80-05-19	1140	2160	9080		53000
61-03-21			2330	19600	A 123000	80-05-28	1430	1490	9670		38900
61-04-04			1170	9770	A 30900	80-06-12	1240	180	238		116
61-04-20			83	570	A 128	80-07-03	1200	45	47		5.7
61-04-26			36	190	A 18	80-07-17	1115	9.9	21		0.56
61-05-05			3550	11300	A 108000	80-08-06	1140	2.7	21		0.15
61-05-23			31	320	A 27	80-08-11	1050	2.6	13		0.09
61-06-07			2660	18900	A 136000	80-09-10	1500	6.3	14		0.24
61-06-22			46	370	A 46	80-09-18	1035	6.0	51		0.83
61-07-07			16	170	A 7.3						
61-07-18			876	7910	A 18700						
61-08-09			25	540	A 36						
61-08-17			14	230	A 8.7						
61-09-07			23	580	A 36						
61-09-15			176	2510	A 1190						
61-09-27			181	1940	A 948						
61-10-03			118	2430	A 774						
61-10-20			59	360	A 57						
61-11-03			1130	12000	A 36600						
61-11-07			297	3590	A 2880						
61-11-30			306	3580	A 2960						
61-12-05			274	2060	A 1520						
61-12-20			190	2990	A 1530						
62-01-24			111	180	A 54						
62-08-02			5570	26700	A 402000						
62-09-10			77	1140	A 237						
62-09-24			268	1650	A 1190						
62-10-17			28	190	A 14						
62-10-26			56	480	A 73						
62-11-05			44	150	A 18						
62-11-30			79	480	A 102						
62-12-18			78	460	A 97						
63-02-27			144	970	A 377						
63-03-22			52	300	A 42						
63-04-04			131	580	A 205						
63-04-16			42	400	A 45						
63-05-07			38	160	A 16						
63-05-27			18	130	A 6.3						
63-06-03			29	180	A 14						
63-06-10			364	3980	A 3910						
63-06-18			40	280	A 30						
63-06-24			539	1150	A 1670						
63-07-01			14	130	A 4.9						
63-08-05			4.0	30	A 0.32						
63-09-19			55	630	A 94						
63-10-01			17	270	A 12						
63-10-09			12	120	A 3.9						
63-10-30			17	130	A 6.0						
64-01-27			26	30	A 2.1						
64-03-03			86	370	A 86						
64-03-17			29	160	A 13						
64-03-24			33	170	A 15						
64-06-02			76	270	A 55						
64-06-22			60	820	A 133						
64-07-09			7.0	60	A 1.1						
64-09-10			3.0	70	A 0.57						
64-09-16			41	1190	A 132						
64-09-28			17	130	A 6.0						

\*\*\*\*\*  
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A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07228500 CANADIAN RIVER AT BRIDGEPORT, OKLA.



## ARKANSAS RIVER BASIN

07229000 CANADIAN RIVER NEAR NEWCASTLE, OKLA.

LOCATION.--Lat 35°18', long 97°36', NW 1/4 NW 1/4 sec.35, T. 10 N., R. 4 W., McClain County, Hydrologic Unit 11090202, at bridge on U.S. Highways 62 and 277, 4.0 mi (6.4 km) north of Newcastle, 9.0 mi (14.4 km) downstream from Worley Creek, and at mile 213.5 (341.6 km).

DRAINAGE AREA.--25,605 mi<sup>2</sup> (66,317 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-45.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico, and by Lake Meredith in Texas since 1964.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-03			18600	49700	A 2500000	41-04-24			376	2800	A 2840
38-07-11			108	600	A 175	41-04-28			169	400	A 183
39-08-29			40	1300	A 140	41-05-03			6820	29900	A 551000
39-09-01		7.0	500	A	9.5	41-05-04			3490	21900	A 206000
40-02-26			328	3500	A 3100	41-05-05	0001		3490	56300	A 531000
40-03-04			46	800	A 99	41-05-05	0002		44200	102000	A12200000
40-04-11			283	8900	A 6800	41-05-06			12500	67600	A 2280000
40-04-12			1820	12400	A 60900	41-05-07			8500	40700	A 934000
40-04-13			431	6000	A 6980	41-05-09			3870	27100	A 283000
40-04-14			2840	9040	A 69300	41-05-12			8270	19900	A 444000
40-04-19		10.0	200	A	5.4	41-05-14			2180	12400	A 73000
40-04-29			16	300	A 13	41-05-16			2090	15800	A 89200
40-05-22			206	2800	A 1560	41-05-20			871	10100	A 23800
40-05-27			604	400	A 652	41-05-25	0001		27700	58400	A 4370000
40-05-29			23	100	A 6.2	41-05-25	0002		29300	50900	A 4030000
40-06-11			283	7200	A 5500	41-05-26			30000	56500	A 4580000
40-06-18			172	6300	A 2930	41-05-27			10500	55900	A 1580000
40-06-21			30	500	A 40	41-05-29			10400	44000	A 1240000
40-06-25			23	300	A 19	41-05-31			2940	22900	A 182000
40-07-02			1290	6600	A 23000	41-06-01			4280	28700	A 332000
40-07-03			4720	14800	A 189000	41-06-02			30200	43000	A 3510000
40-07-04			1770	9400	A 44900	41-06-03			12400	31600	A 1060000
40-07-05			274	2500	A 1850	41-06-05			6000	32300	A 523000
40-07-08			41	400	A 44	41-06-07			230	20300	A 12600
40-07-12			464	3800	A 4760	41-06-08			14800	33300	A 1330000
40-09-05			2010	10100	A 54800	41-06-10			38200	41200	A 4250000
40-09-07			68	1900	A 349	41-06-11			23900	43400	A 2800000
40-11-26			923	4000	A 9970	41-06-13			10000	26700	A 721000
40-11-28			361	3600	A 3510	41-06-16			3540	15500	A 148000
40-11-30			5270	24800	A 353000	41-06-18			2170	11700	A 68600
40-12-02			486	14700	A 19300	41-06-23			437	3700	A 4370
40-12-04			166	7800	A 3500	41-06-25			2240	10600	A 64100
40-12-07			112	2400	A 726	41-06-28			14400	38900	A 1510000
40-12-12			79	1100	A 235	41-06-30			7780	27400	A 576000
40-12-23			89	800	A 192	41-07-05			676	6500	A 11900
40-12-30			137	1600	A 592	41-07-07	0001		4920	23400	A 311000
41-01-10			78	800	A 168	41-07-07	0002		5170	26800	A 374000
41-01-17			274	3500	A 2590	41-07-08			9370	29400	A 744000
41-01-25			135	1700	A 620	41-07-09			4370	18200	A 215000
41-02-01			165	1200	A 535	41-07-11	0001		3030	19700	A 161000
41-02-11			144	1500	A 583	41-07-11	0002		3680	15600	A 155000
41-02-18			46	400	A 50	41-07-17			12900	41500	A 1450000
41-02-25			144	700	A 272	41-07-19			4960	23200	A 311000
41-03-03			254	1800	A 1230	41-07-21			1790	15100	A 73000
41-03-28			30	200	A 16	41-07-24			1850	16900	A 84400
41-04-04			854	6900	A 15900	41-07-27			76900	53400	A11100000
41-04-14			184	2900	A 1440	41-07-28			20100	46700	A 2530000
41-04-15			750	6900	A 14000	41-07-29			10400	36400	A 1020000
41-04-17			1460	13100	A 51600	41-07-31			3450	22800	A 212000
41-04-18			2660	14800	A 106000	41-08-07			2540	15600	A 107000
41-04-19			8120	15200	A 333000	41-08-11			1020	8300	A 22900
41-04-20			2350	15200	A 96400	41-08-15			1460	8900	A 35100
41-04-22			768	7600	A 15800	41-08-21			276	2300	A 1710

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-08-22			598	4000	A 6460	44-04-11			1370	5000	A 18500
41-08-23			16000	36100	A 1560000	44-04-26			56	600	A 91
41-08-25			6620	20300	A 363000	44-05-27			171	400	A 185
41-08-26			17200	43600	A 2020000	44-05-30			64	200	A 35
41-08-27			10500	28700	A 814000	44-05-31			107	200	A 58
41-08-28			8970	28200	A 683000	44-06-02			2840	19400	A 149000
41-08-29			3070	20600	A 171000	44-06-03			1300	13900	A 48800
41-08-31			2040	15800	A 87000	44-06-08			3200	24000	A 207000
41-09-02			520	7200	A 10100	44-06-10			1300	5500	A 19300
41-09-06			417	5600	A 6310	44-06-13	0001	25400	13700	13700	A 940000
41-09-13			508	7100	A 9740	44-06-13	0002	19500	13500	13500	A 711000
41-09-17			164	1600	A 708	44-06-14			3350	9900	A 89500
41-09-19			788	5800	A 12300	44-06-15			2080	11600	A 65100
41-09-22			106	1300	A 372	44-06-17			530	6400	A 9160
41-09-25			109000	88600	A 26100000	44-06-20			1300	16300	A 57200
41-09-26			22700	65800	A 4030000	44-06-22			384	7100	A 7360
41-09-27			18700	70000	A 3530000	44-06-26			209	1900	A 1070
41-09-29			9110	37200	A 915000	44-06-30			10.0	100	A 2.7
41-10-03			25500	62900	A 4330000	44-07-03			14	100	A 3.8
41-10-05			9980	30800	A 830000	44-07-21	0001	4.0	100	100	A 1.1
41-10-06			19000	37100	A 1900000	44-07-27			1880	10800	A 54800
41-10-08			11900	27700	A 890000	44-07-28			1770	8600	A 41100
41-10-10			4300	21600	A 251000	44-07-31			242	1600	A 1050
41-10-13			3760	22700	A 230000	44-08-05			25	4700	A 317
41-10-16			6940	16300	A 305000	44-08-29			11	200	A 5.9
41-10-18			2850	10100	A 77700	44-09-11			1050	10200	A 28900
41-10-24			49300	37000	A 4930000	44-09-13			250	2200	A 1480
41-10-27			13800	22600	A 842000	44-09-15			222	1900	A 1140
41-11-01			6410	24100	A 417000	44-09-29			1840	8400	A 41700
41-11-03			3640	25500	A 251000	44-09-30			3260	21700	A 191000
41-11-10			6050	24000	A 392000	44-10-02			256	1800	A 1240
41-11-15			948	5200	A 13300	44-10-03			1610	5400	A 23500
41-11-24			700	3300	A 6240	44-10-04			724	3200	A 6260
41-12-09			371	1100	A 1100	44-10-05			3850	14700	A 153000
42-01-20			1900	4600	A 23600	44-10-13			109	700	A 206
42-01-27			339	1000	A 915	44-10-17			38	200	A 21
42-02-05			312	800	A 674	44-11-04			51	400	A 55
42-02-21			506	3000	A 4100	44-11-08			132	800	A 285
42-03-02			465	2100	A 2640	44-11-14			52	300	A 42
42-03-12			440	1800	A 2140	44-11-17			48	300	A 39
42-03-26			277	1000	A 748	44-12-06			803	3100	A 6720
42-04-03			94	700	A 178	44-12-16			153	1500	A 620
42-04-08			2930	12000	A 94900	44-12-20			231	1800	A 1120
42-04-10			3300	11600	A 103000	44-12-23			113	1200	A 366
42-04-13			240	1000	A 648	44-12-29			166	700	A 314
42-04-16			250	200	A 135	45-01-05			219	1200	A 710
42-04-19			11300	17900	A 546000	45-01-16			119	500	A 161
42-04-20			2170	7200	A 42200	45-01-23			416	1800	A 2020
42-04-22			890	2800	A 6730	45-02-01			338	1800	A 1640
42-04-23			12500	22800	A 770000	45-02-05			652	2700	A 4750
42-04-26			9850	28600	A 761000	45-02-09			292	1600	A 1260
42-04-28			41000	59700	A 6610000	45-02-17			128	900	A 311
42-05-04			8010	29200	A 632000	45-02-23			139	700	A 263
42-05-06			7600	19400	A 398000	45-03-09			150	600	A 243
42-05-07			3460	15700	A 147000	45-03-12			213	1300	A 748
42-05-26			1180	7300	A 23300	45-03-26			341	2200	A 2030
42-06-02			1270	5900	A 20200	45-03-30			99	500	A 134
42-06-05			3670	22800	A 226000	45-04-06			32	200	A 17
42-06-10			27700	29400	A 2200000	45-04-11			4390	14600	A 173000
42-06-11			9120	24100	A 593000	45-04-12			3920	8300	A 87800
42-06-29			3210	27300	A 237000	45-04-13			1110	4500	A 13500
42-07-03			1950	25000	A 132000	45-04-20			299	800	A 646
42-07-30			198	2200	A 1180	45-04-26			193	600	A 313
42-08-17			675	6400	A 11700	45-05-14			408	1700	A 1870
42-08-20			2600	12700	A 89200	45-05-19			53	300	A 43
42-09-01			62	4900	A 820	45-05-26			13	300	A 11
42-09-05			139	2000	A 751	45-06-04			38	700	A 72
42-09-06			26400	55300	A 3940000	45-06-11			6590	7900	A 141000
42-09-07			25000	39100	A 2640000	45-06-13			1810	5900	A 28800
42-09-09			18300	33100	A 1640000	45-06-16			3420	5600	A 51700
42-09-17			2510	11700	A 79300	45-06-19			150	600	A 243
42-09-23			4420	17900	A 214000	45-06-25			186	600	A 301
42-09-28			586	3200	A 5060	45-06-30			1620	3600	A 15700
42-10-02			135	1000	A 364	45-07-01			149	1400	A 563
42-10-05			2060	11200	A 62300	45-07-09			178	1200	A 577
42-10-16			3220	13400	A 116000	45-07-10			14300	5300	A 205000
42-10-19			8690	37200	A 873000	45-07-11			1790	5200	A 25100
42-10-20			9610	21200	A 550000	45-07-26			10.0	100	A 2.7
43-05-11			1300	4100	A 14400	45-07-31			4.0	100	A 1.1
43-05-14			149	4100	A 1650	45-08-22			2.0	200	A 1.1
43-05-19			1190	7600	A 24400	45-08-25			167	3400	A 1530
43-05-22			1013	1600	A 4380	45-08-29			301	6800	A 5530
43-06-02			366	2000	A 1980	45-09-30			6630	11000	A 197000
43-07-12			90	300	A 73						
43-07-20			404	1500	A 1640						
44-01-18			701	7100	A 13400						
44-01-24			436	2800	A 3300						
44-02-07			178	1500	A 721						
44-04-10			30400	31100	A 2550000						

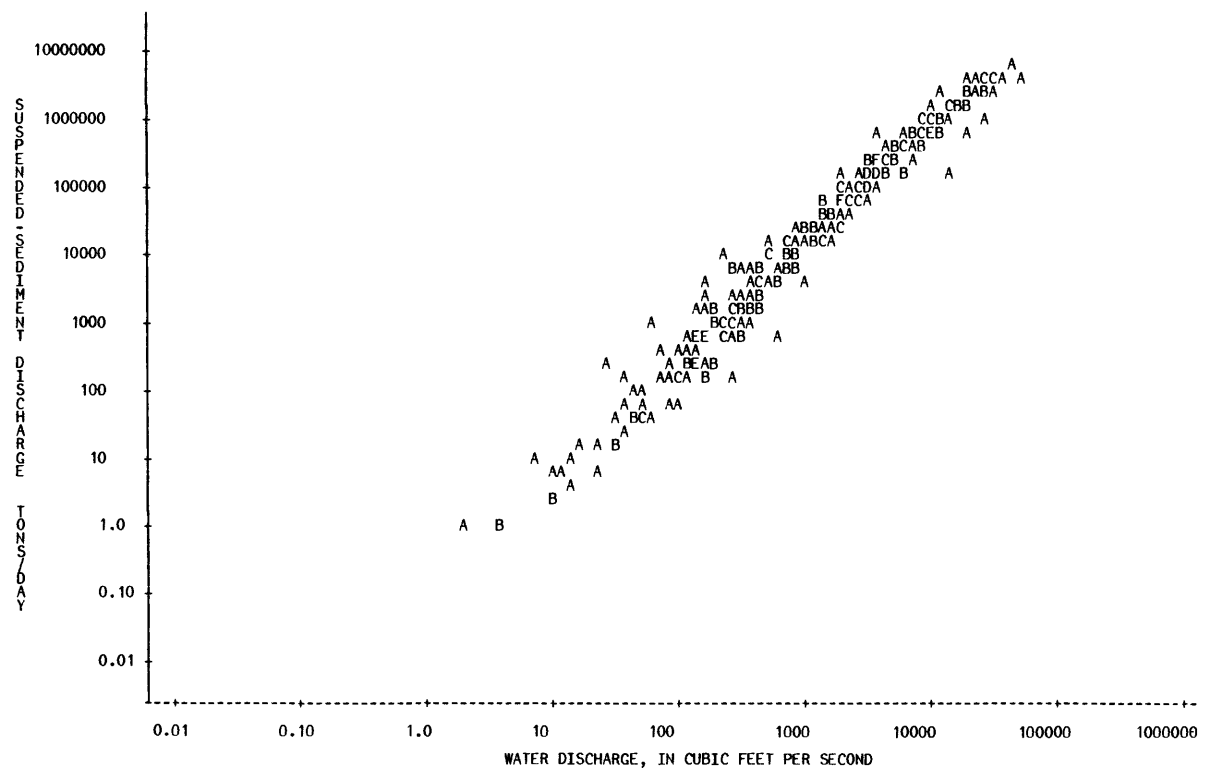
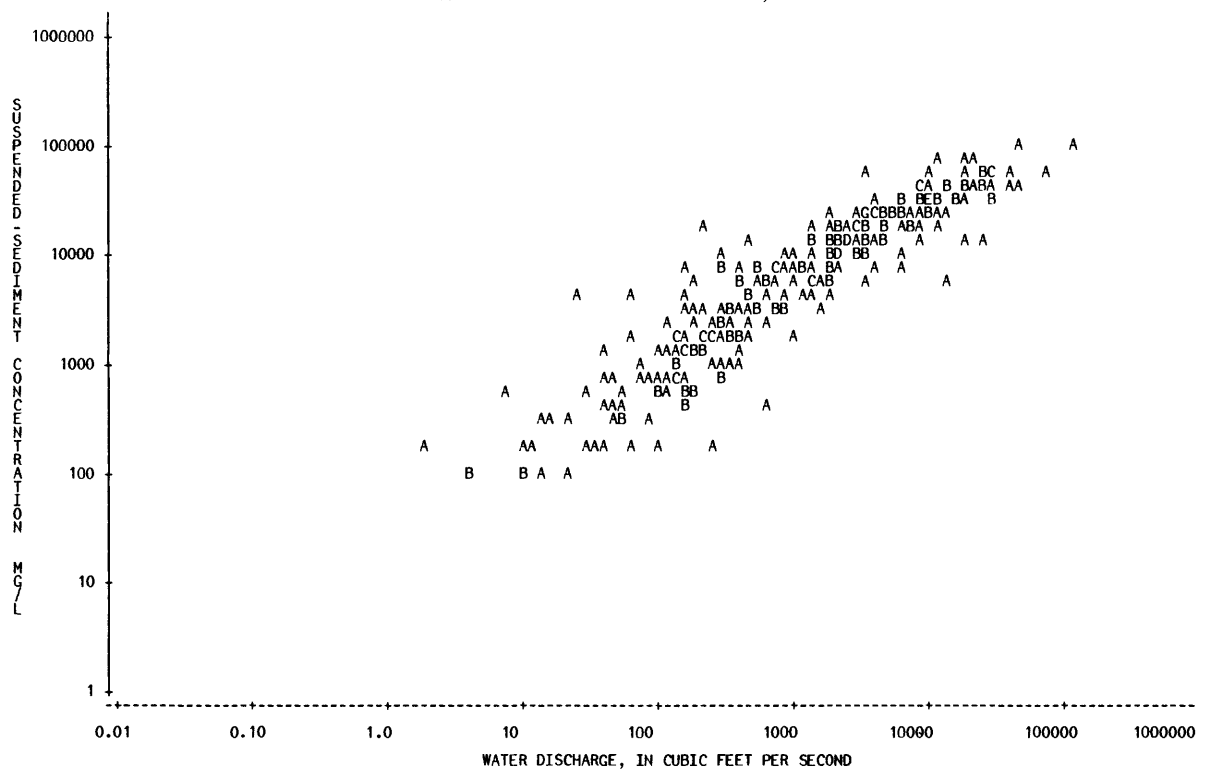
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07229000 CANADIAN RIVER NEAR NEWCASTLE, OKLA.



## ARKANSAS RIVER BASIN

07229100 CANADIAN RIVER NEAR NOBLE, OKLA.

LOCATION.--Lat 35°04'55", long 97°22'52", N 1/2 sec.14, T.7 N., R.2 W., McClain County, Hydrologic Unit 11090202, 80 ft (24.4 m) upstream from the Atchison, Topeka, and Santa Fe Railway Co. bridge, 3.6 mi (5.8 km) upstream from Chouteau Creek, 3.8 mi (6.1 km) south of Noble, and at mile 190.8 (307.0 km).

DRAINAGE AREA.--25,911 mi<sup>2</sup> (67,190 km<sup>2</sup>), of which 4,801 mi<sup>2</sup> (12,435 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1964-75.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico, and by Lake Meredith in Texas since 1964.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
63-10-01			25	120	A	8.1	64-09-24		59	190	A	30
63-10-22			4.0	60	A	0.65	64-09-29		25	160	A	11
63-10-29			4.0	90	A	0.97	64-10-06		5.0	70	A	0.95
63-11-05			4.0	140	A	1.5	64-10-15		6.0	100	A	1.6
63-11-12			4.0	20	A	0.22	64-10-20		5.0	70	A	0.95
63-11-20			24	390	A	25	64-10-28		5.0	540	A	7.3
63-11-27			37	70	A	7.0	64-11-03		6.0	40	A	0.65
63-12-03			9.0	50	A	1.2	64-11-04		189	580	A	296
63-12-10			8.0	30	A	0.65	64-11-10		112	310	A	94
63-12-17			16	20	A	0.86	64-11-16		73	5850	A	1150
63-12-24			13	100	A	3.5	64-11-18		1110	570	A	1710
63-12-30			72	100	A	19	64-11-19		4820	3660	A	47600
64-01-07			30	50	A	4.0	64-11-24		371	2510	A	2510
64-01-14			11	220	A	6.5	64-12-01		111	460	A	138
64-01-21			12	60	A	1.9	64-12-22		201	990	A	537
64-01-28			17	40	A	1.8	64-12-30		140	600	A	227
64-02-04			121	110	A	36	65-01-06		126	230	A	78
64-02-11			478	2300	A	2970	65-01-12		124	160	A	54
64-02-18			689	2920	A	5430	65-01-19		74	100	A	20
64-02-25			189	750	A	383	65-02-03		65	200	A	35
64-03-03			85	270	A	62	65-02-10		151	180	A	73
64-03-11			92	160	A	40	65-02-15		178	340	A	163
64-03-17			29	50	A	3.9	65-02-26		117	220	A	69
64-03-24			44	40	A	4.8	65-03-01		106	100	A	29
64-03-31			25	40	A	2.7	65-03-08		47	100	A	13
64-04-07			47	70	A	8.9	65-03-16		147	370	A	147
64-04-14			6.0	50	A	0.81	65-03-23		106	660	A	189
64-04-21			109	620	A	182	65-03-29		88	210	A	50
64-04-23			43	80	A	9.3	65-04-08		120	330	A	107
64-04-28			24	50	A	3.2	65-04-15		2070	5380	A	30100
64-05-11			2030	5820	A	31900	65-04-22		69	150	A	28
64-05-12			778	5510	A	11600	65-04-28		17	50	A	2.3
64-05-13			687	1650	A	3060	65-05-04		6.0	30	A	0.49
64-05-15			172	620	A	288	65-05-12		225	730	A	443
64-05-19			52	30	A	4.2	65-05-25		121	540	A	176
64-05-26			6.0	50	A	0.81	65-05-28		260	330	A	232
64-06-02			164	520	A	230	65-06-04		122	520	A	171
64-06-05			140	1220	A	461	65-06-09		870	1810	A	4250
64-06-09			23	50	A	3.1	65-06-11		193	720	A	375
64-06-12			6.0	20	A	0.32	65-06-18		907	7810	A	19100
64-06-16			156	20	A	8.4	65-06-23		2590	29400	A	206000
64-06-22			160	6470	A	2800	65-06-29		8730	11900	A	280000
64-06-26			25	50	A	3.4	65-07-02		813	3100	A	6800
64-06-30			5.0	30	A	0.41	65-07-06		163	1040	A	458
64-07-02			3.0	240	A	1.9	65-07-13		16	110	A	4.8
64-07-09			1.0	50	A	0.14	65-07-21		1.0	10	A	0.03
64-08-04			1.0	280	A	0.76	65-07-30		11	10	A	0.30
64-08-18			48	300	A	39	65-08-05		1.0	10	A	0.03
64-08-25			3.0	120	A	0.97	65-08-11		111	700	A	210
64-09-01			18	90	A	4.4	65-08-18		8.0	30	A	0.65
64-09-08			3.0	80	A	0.65	65-08-25		6.0	10	A	0.16
64-09-15			5.0	100	A	1.4	65-09-02		22	210	A	12
64-09-22			137	180	A	67	65-09-09		3.0	10	A	0.08

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07229100 CANADIAN RIVER NEAR NOBLE, OKLA.--CONTINUED

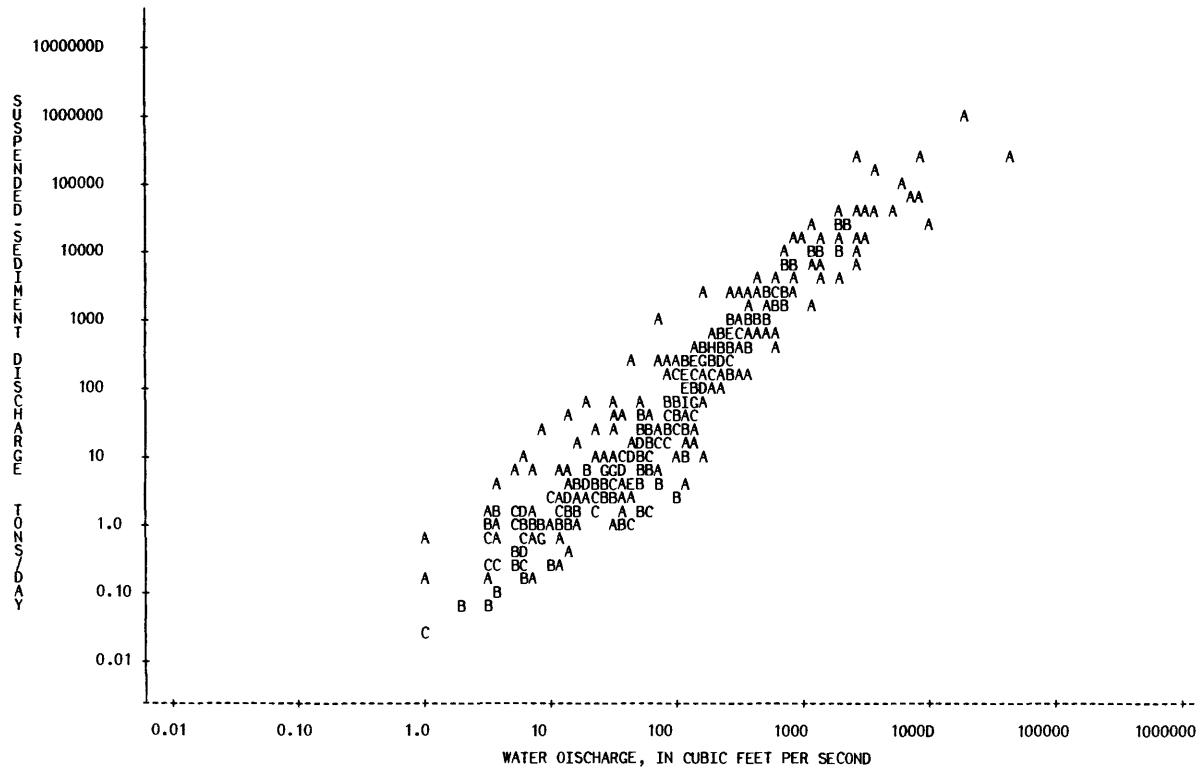
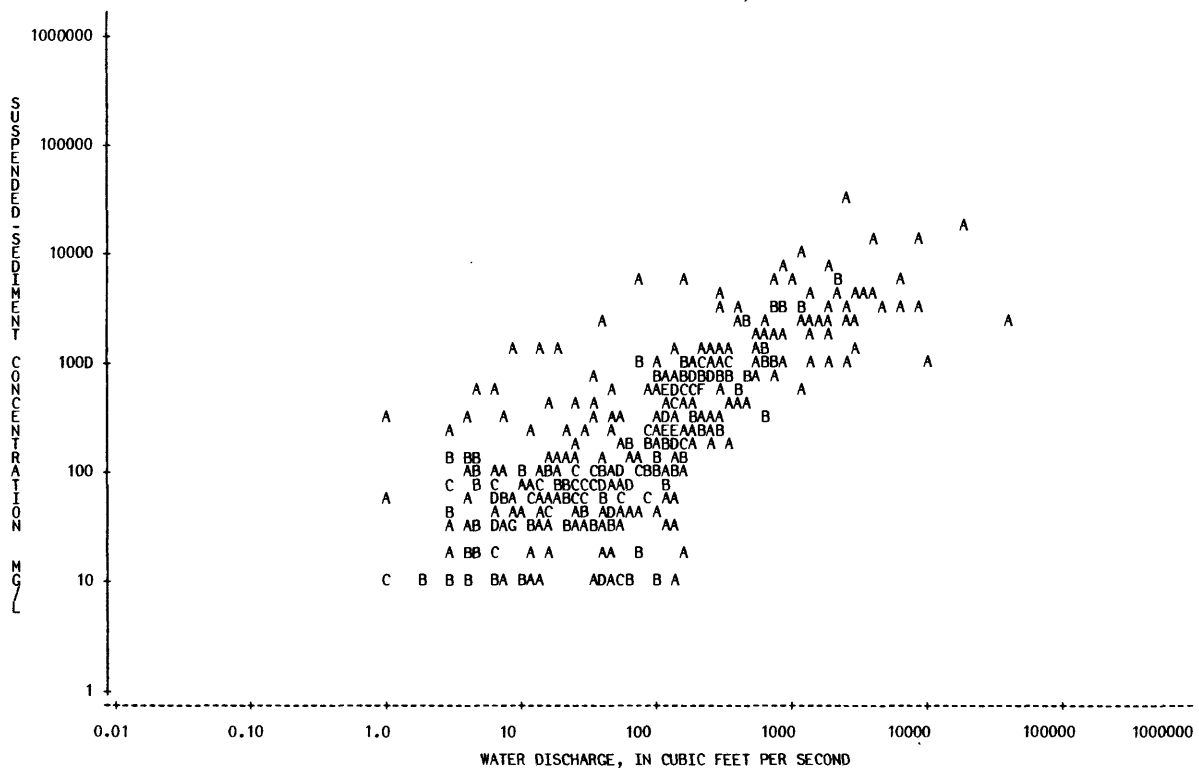
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-09-15			4.0	10	A 0.11	67-07-19			56	170	A 26
65-09-22			18500	17800	A 889000	67-07-26			100	190	A 51
65-09-24			1100	2830	A 8410	67-08-04			18	70	A 3.4
65-09-27			369	1360	A 1350	67-08-09			31	80	A 6.7
65-10-01			143	800	A 309	67-08-23			3.0	20	A 0.16
65-10-08			41	10	A 1.1	67-09-07			127	220	A 75
65-10-14			38	10	A 1.0	67-09-15			13	40	A 1.4
65-10-21			1800	8010	A 38900	67-09-19			36	350	A 34
65-10-27			182	700	A 344	67-09-27			144	650	A 253
65-11-05			58	10	A 1.6	67-10-03			30	70	A 5.7
65-11-10			62	10	A 1.7	67-10-10			76	1070	A 220
65-11-24			55	10	A 1.5	67-10-26			6.0	80	A 1.3
65-12-04			46	10	A 1.2	67-10-28			27	90	A 6.6
65-12-07			41	10	A 1.1	67-11-02			38	90	A 9.2
65-12-14			59	10	A 1.6	67-11-08			34	90	A 8.3
65-12-20			127	10	A 3.4	67-11-14			22	80	A 4.8
65-12-29			306	750	A 620	67-11-22			18	80	A 3.9
66-01-07			213	530	A 305	67-12-07			21	80	A 4.5
66-01-13			130	90	A 32	67-12-13			26	90	A 6.3
66-01-20			127	30	A 10	67-12-19			56	90	A 14
66-01-27			113	30	A 9.2	67-12-27			80	100	A 22
66-02-03			47	30	A 3.8	68-01-05			51	110	A 15
66-02-10			933	5880	A 14800	68-01-11			32	80	A 6.9
66-02-18			250	700	A 472	68-01-16			49	210	A 28
66-02-25			205	650	A 360	68-01-25			230	1170	A 727
66-03-04			289	1450	A 1130	68-02-01			345	1060	A 987
66-03-10			161	700	A 304	68-02-07			125	620	A 209
66-03-17			167	470	A 212	68-02-16			106	240	A 69
66-03-25			38	10	A 1.0	68-02-23			187	850	A 429
66-03-30			32	70	A 6.0	68-03-04			166	880	A 394
66-04-05			14	10	A 0.38	68-03-15			268	810	A 586
66-04-12			10.0	10	A 0.27	68-03-25			229	520	A 322
66-04-19			7.0	90	A 1.7	68-04-03			2520	990	A 6740
66-04-26			1140	9840	A 30300	68-04-05			427	3590	A 4140
66-05-04			104	10	A 2.8	68-04-19			1790	3230	A 15600
66-05-19			13	1240	A 44	68-04-26			116	360	A 113
66-05-26			6.0	80	A 1.3	68-05-08			2320	3960	A 24800
66-06-02			3.0	10	A 0.08	68-05-16			747	980	A 1980
66-06-09			31	250	A 21	68-06-10			254	1030	A 706
66-06-16			276	4350	A 3240	68-06-18			34	870	A 80
66-06-22			4.0	10	A 0.11	68-06-26			70	40	A 7.6
66-06-29			1.0	10	A 0.03	68-07-08			60	80	A 13
66-07-07			2.0	10	A 0.05	68-07-18			147	600	A 238
66-07-12			2.0	10	A 0.05	68-07-26			27	80	A 5.8
66-07-22			5.0	140	A 1.9	68-07-31			6.0	20	A 0.32
66-07-28			3.0	70	A 0.57	68-08-08			4.0	20	A 0.22
66-08-03			4.0	310	A 3.3	68-08-15			495	2300	A 3070
66-08-10			3.0	40	A 0.32	68-08-22			88	560	A 133
66-08-18			3.0	70	A 0.57	68-08-30			7.0	10	A 0.19
66-08-24			645	1710	A 2980	68-09-06			634	2380	A 4070
66-09-09			51	300	A 41	68-09-12			21	140	A 7.9
66-09-14			1430	940	A 3630	68-09-20			5.0	20	A 0.27
66-09-22			31	70	A 5.9	68-09-27			130	610	A 214
66-09-29			102	640	A 176	68-10-04			12	30	A 0.97
66-10-06			9.0	1180	A 29	68-10-10			553	1640	A 2450
66-10-11			6.0	640	A 10	68-10-16			255	1500	A 1030
66-10-20			6.0	80	A 1.3	68-10-24			119	350	A 112
66-10-26			6.0	30	A 0.49	68-10-31			33	90	A 8.0
66-11-03			6.0	30	A 0.49	68-11-08			166	560	A 251
66-11-07			6.0	60	A 0.97	68-11-14			109	540	A 159
66-11-17			4.0	30	A 0.32	68-11-22			140	250	A 94
66-11-23			6.0	30	A 0.49	68-11-27			399	370	A 399
66-12-01			12	60	A 1.9	68-12-03			210	330	A 187
66-12-07			14	80	A 3.0	68-12-13			105	150	A 43
66-12-14			12	30	A 0.97	68-12-20			212	520	A 298
66-12-19			18	120	A 5.8	68-12-27			259	700	A 490
66-12-28			8.0	40	A 0.86	69-01-03			127	200	A 69
67-01-05			15	40	A 1.6	69-01-14			131	180	A 64
67-01-15			17	40	A 1.8	69-01-24			125	160	A 54
67-01-20			14	80	A 3.0	69-01-27			159	190	A 82
67-01-23			17	100	A 4.6	69-02-06			148	110	A 44
67-01-30			52	100	A 14	69-02-14			170	220	A 101
67-02-09			22	60	A 3.6	69-02-19			274	750	A 555
67-02-24			8.0	30	A 0.65	69-02-27			743	1070	A 2150
67-02-28			9.0	30	A 0.73	69-03-07			540	880	A 1280
67-03-09			7.0	60	A 1.1	69-04-04			182	320	A 157
67-03-15			8.0	30	A 0.65	69-04-11			105	100	A 28
67-04-03			36	30	A 2.9	69-05-01			187	250	A 126
67-04-13			2470	3200	A 21300	69-05-09			2720	2510	A 18400
67-04-21			1460	4210	A 16600	69-05-16			621	1500	A 2520
67-05-02			40	80	A 8.6	69-05-23			757	3220	A 6580
67-05-10			16	390	A 17	69-06-02			194	370	A 194
67-05-19			25	80	A 5.4	69-06-13			28	40	A 3.0
67-05-24			25	80	A 5.4	69-06-19			201	880	A 478
67-06-08			59	70	A 11	69-07-25			25	100	A 6.7
67-06-21			62	130	A 22	69-08-01			9.0	30	A 0.73
67-06-26			3920	15300	A 162000	69-08-08			11	20	A 0.59
67-07-06			101	280	A 76	69-08-14			5.0	30	A 0.41
67-07-13			49	540	A 71	69-08-25			7.0	30	A 0.57

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-09-11	43			110	A	72-03-14	44		20	A	2.4
69-09-19	255			860	A	72-03-24	47		40	A	5.1
69-09-24	195			910	A	72-04-03	23		30	A	1.9
69-10-03	63			80	A	72-04-13	10.0		40	A	1.1
69-10-10	15			140	A	72-04-25	20		1420	A	77
69-10-17	24			30	A	72-05-04	514		870	A	1210
69-10-31	3000			2110	A	72-06-06	99		40	A	11
69-11-07	33			30	A	72-06-16	10.0		10	A	0.27
69-11-13	37			20	A	72-07-06	79		980	A	209
69-11-20	31			30	A	72-07-18	6.0		20	A	0.32
69-12-03	23			30	A	72-09-19	6.0		10	A	0.16
69-12-12	53			10	A	72-11-08	33		10	A	0.89
69-12-18	117			50	A	72-11-20	91		60	A	15
69-12-23	116			80	A	72-12-01	147		170	A	67
70-01-02	78			20	A	72-12-14	59		80	A	13
70-01-08	50			30	A	72-12-27	639		900	A	1550
70-01-23	57			70	A	73-01-02	109		240	A	71
70-01-28	833			3070	A	73-01-12	94		790	A	201
70-02-05	140			380	A	73-01-30	283		270	A	206
70-02-11	51			60	A	73-02-08	287		900	A	697
70-02-17	80			160	A	73-02-20	207		610	A	341
70-02-24	105			10	A	73-03-01	150		120	A	49
70-03-05	75			20	A	73-03-15	1970		930	A	4950
70-03-13	84			60	A	73-03-26	1980		1910	A	10200
70-03-18	125			70	A	73-04-02	2790		1250	A	9420
70-03-27	152			130	A	73-04-11	882		1100	A	2620
70-04-02	250			270	A	73-04-23	1510		2670	A	10900
70-04-10	332			840	A	73-05-04	1400		1630	A	6160
70-04-17	640			920	A	73-05-14	155		530	A	222
70-04-20	6150			5100	A	73-05-24	3180		3830	A	32900
70-04-29	130			380	A	73-06-07	619		280	A	468
70-05-06	135			210	A	73-06-25	623		330	A	555
70-05-15	1100			2300	A	73-07-06	36		100	A	9.7
70-05-27	14			70	A	73-07-17	156		710	A	299
70-06-01	346			390	A	73-07-27	8.0		30	A	0.65
70-06-10	43			2120	A	73-08-16	13		60	A	2.1
70-06-17	41			150	A	73-09-07	754		860	A	1750
70-06-24	10.0			80	A	73-09-18	459		750	A	929
70-07-06	3.0			150	A	73-09-27	6820		2930	A	54000
70-07-15	5.0			150	A	73-10-03	42600		2560	A	294000
70-07-23	10.0			100	A	73-10-09	133		110	A	40
70-07-30	4.0			130	A	73-10-25	57		40	A	6.2
70-08-14	3.0			30	A	73-10-30	84		100	A	23
70-08-16	3.0			40	A	73-11-29	270		200	A	146
70-08-20	95			1160	A	73-12-11	139		150	A	56
70-08-24	10.0			100	A	74-01-07	92		240	A	60
70-09-02	18			50	A	74-01-28	212		240	A	137
70-09-10	5.0			90	A	74-02-22	1900		2490	A	12800
70-09-18	7.0			290	A	74-03-11	10500		910	A	25800
70-09-23	8270			3020	A	74-04-02	176		200	A	95
70-09-24	1180			2860	A	74-04-26	316		530	A	452
70-10-22	40			70	A	74-05-15	130		220	A	77
70-10-30	40			40	A	74-06-05	112		210	A	64
70-11-05	34			70	A	74-06-27	14		30	A	1.2
70-11-19	50			40	A	74-07-17	6.4		60	A	1.0
70-12-05	33			460	A	74-09-27	399		500	A	539
70-12-18	38			60	A	74-10-30	366		880	A	870
71-01-08	73			100	A	74-11-26	297		3310	A	2650
71-01-15	59			40	A	75-01-07	338		670	A	611
71-01-21	41			30	A	75-02-19	496		490	A	656
71-02-02	53			50	A	75-02-20	529		1170	A	1670
71-02-12	54			60	A	75-03-31	470		730	A	926
71-02-25	160			200	A	75-05-21	410		510	A	565
71-03-11	129			250	A	75-07-07	369		180	A	179
71-03-25	38			60	A	75-07-31	1330		2340	A	8400
71-04-08	11			70	A	75-08-29	220		540	A	321
71-04-19	24			50	A	75-09-30	44		40	A	4.8
71-05-05	11			50	A						
71-05-20	7.0			50	A						
71-06-04	3910			4240	A						
71-06-15	342			1010	A						
71-06-23	128			330	A						
71-07-17	31			50	A						
71-08-03	31			40	A						
71-08-17	15			30	A						
71-09-07	5.0			20	A						
71-09-21	56			90	A						
71-10-04	233			710	A						
71-10-28	228			1010	A						
71-11-10	113			260	A						
71-11-22	2900			4400	A						
71-12-08	600			1370	A						
71-12-21	274			350	A						
72-01-11	186			510	A						
72-01-20	220			210	A						
72-02-01	100			120	A						
72-02-14	294			240	A						
72-02-22	141			50	A						
72-03-02	85			60	A						

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07229100 CANADIAN RIVER NEAR NOBLE, OKLA.





## ARKANSAS RIVER BASIN

07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OKLA.

LOCATION.--Lat 35°13'14", long 97°13'00", in NE 1/4 SE 1/4 sec.29, T.9 N., R.1 E., Cleveland County, Hydrologic Unit, 11090203, at right bank of outlet channel, 170 ft (51.8 m) upstream from State Highway 9, 1,200 ft (365.8 m) downstream from Lake Thunderbird, 1.0 mi (1.6 km) upstream from Prairie Creek, 13.0 mi (20.9 km) east of Norman, and at mile 96.2 (154.8 km).

DRAINAGE AREA.--257 mi<sup>2</sup> (666 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1953, 1956-58.

REMARKS.--Formerly published as Little River below Hog Creek, 0.2 mi (0.3 km) downstream from current site. Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
53-04-03		1210	46	4700	A 584	56-06-16		1835	1.7	102	0.47
53-04-05		1540	950	14900	A 38200	56-06-17		1950	1.7	106	0.49
56-05-05		0720	3.2	99	0.86	56-06-19		1915	0.90	75	0.18
56-05-06		0720	2.9	92	0.72	56-06-20		1820	0.60	65	0.11
56-05-06		1310	2.5	112	0.76	56-06-21		2000	0.50	64	0.09
56-05-09		0700	2.5	109	0.74	56-06-22		2000	0.40	92	0.10
56-05-10		1835	2.2	94	0.56	56-06-23		1245	0.40	58	0.06
56-05-11		1845	2.2	74	0.44	56-06-24		0935	0.70	70	0.13
56-05-12		0715	2.2	110	0.65	56-06-25		0625	1.5	84	0.34
56-05-13		1740	1.9	79	0.41	56-06-26		0740	0.70	134	0.25
56-05-14		0735	1.9	91	0.47	56-06-28		0545	0.40	82	0.09
56-05-15		0700	10.0	298	8.0	56-06-29		1940	0.40	85	0.09
56-05-16		0745	3.2	97	0.84	56-06-30		0715	0.40	54	0.06
56-05-17		1140	1.1	80	0.24	56-07-01		1630	0.30	38	0.03
56-05-20		1310	0.90	53	0.13	56-07-02		1305	0.20	41	0.02
56-05-21		1640	1.1	63	0.19	56-07-03		1250	0.20	44	0.02
56-05-22		1945	1.3	59	0.21	56-07-04		1900	0.20	65	0.04
56-05-23		0745	1.1	47	0.14	56-07-05		1940	0.10	42	0.01
56-05-24		0710	126	5400	1840	56-07-06		0730	11	457	14
56-05-24		0910	83	3980	892	56-07-07		0700	2.5	75	0.51
56-05-24		1055	71	3230	619	56-07-08		1515	0.30	36	0.03
56-05-24		1155	61	2940	484	56-07-09		1935	0.30	52	0.04
56-05-24		1310	52	2690	378	56-07-10		1725	0.20	66	0.04
56-05-24		1450	41	2470	273	56-07-11		1325	0.30	77	0.06
56-05-25		0740	10.0	1200	32	56-07-12		2000	0.10	65	0.02
56-05-25		1645	547	14100	20800	56-07-18		0825	7.7	2040	42
56-05-25		1745	208	8940	5020	56-07-19		1205	38	1930	198
56-05-25		1910	112	6200	1870	56-07-20		1620	5.4	1510	22
56-05-26		1350	7.1	1320	25	56-07-21		1340	4.5	542	6.6
56-05-27		0555	178	4390	2110	56-07-22		1630	3.6	228	2.2
56-05-27		1015	184	2860	1420	56-07-23		2000	0.40	115	0.12
56-05-27		1140	187	2560	1290	56-07-25		1300	0.30	74	0.06
56-05-27		1500	236	2500	1590	56-07-25		1833	0.30	100	0.08
56-05-28		0645	108	1840	537	56-07-27		1325	0.20	42	0.02
56-05-29		0710	17	432	20	56-07-29		0850	0.10	58	0.02
56-05-30		0650	9.0	251	6.1	56-07-30		1040	0.10	59	0.02
56-05-31		1000	32	204	18	56-07-31		0715	0.10	76	0.02
56-06-01		0630	13	1750	61	56-10-01		0710	0.10	73	0.02
56-06-02		1315	5.4	391	5.7	56-10-19		0900	0.20	93	0.05
56-06-03		1100	7.7	532	11	56-10-30		1715	1.3	110	0.39
56-06-03		1740	2160	9340	54500	56-10-31		0930	0.10	39	0.01
56-06-03		1830	2160	7880	46000	56-11-01		1100	0.10	34	0.01
56-06-04		0720	9.7	630	16	56-11-02		1230	0.10	63	0.02
56-06-05		0640	4.9	262	3.5	56-11-03		1340	0.10	34	0.01
56-06-06		1540	2.5	134	0.90	56-11-04		1345	5.9	7800	124
56-06-08		1950	3.2	83	0.72	56-11-05		1720	9.0	1400	34
56-06-09		0720	3.2	106	0.92	56-11-06		1230	2.9	1120	8.8
56-06-10		0745	3.2	96	0.83	56-11-07		1305	1.7	480	2.2
56-06-11		1315	2.5	87	0.59	56-11-08		1300	0.90	320	0.78
56-06-12		1255	2.2	76	0.45	56-11-09		1600	0.60	201	0.33
56-06-13		2100	1.9	82	0.42	56-11-10		1635	0.40	144	0.16
56-06-14		0720	1.9	100	0.51	56-11-11		1700	0.40	108	0.12
56-06-15		0805	1.9	91	0.47	56-11-12		0810	0.50	94	0.13

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE					SUSPENDED SEDIMENT DISCHARGE				
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)
56-11-13	0735		0.50	103	57-02-14	1545		0.90	78
56-11-14	1745		0.50	98	57-02-15	1230		1.3	76
56-11-15	0840		0.40	109	57-02-16	1000		1.1	83
56-11-16	1530		0.10	75	57-02-18	1000		1.3	78
56-11-17	0925		0.10	75	57-02-19	0940		1.9	88
56-11-18	1125		0.10	98	57-02-20	1330		1.1	90
56-11-19	0740		0.30	95	57-02-21	1650		1.3	91
56-11-20	0725		0.40	89	57-02-22	1315		1.3	90
56-11-21	1725		0.50	85	57-02-23	1440		1.9	98
56-11-22	0940		0.40	82	57-02-24	1100		1.7	90
56-11-23	1300		0.20	108	57-02-25	1400		1.3	104
56-11-24	0925		0.40	73	57-02-26	1445		1.3	102
56-11-25	0930		0.50	71	57-02-27	1410		1.1	94
56-11-26	0750		0.40	68	57-02-28	1125		1.3	99
56-11-27	1300		0.30	66	57-03-01	1300		1.1	94
56-11-28	0815		0.40	62	57-03-03	1100		2.5	84
56-11-29	1300		0.40	63	57-03-04	1450		2.5	86
56-11-30	1300		0.20	59	57-03-05	1035		1.9	83
56-12-01	0855		0.50	48	57-03-06	1315		1.9	76
56-12-02	1010		0.40	45	57-03-07	1420		1.7	70
56-12-04	1345		0.40	64	57-03-08	1000		1.5	63
56-12-05	1700		0.30	36	57-03-09	1400		1.3	70
56-12-07	0940		0.70	39	57-03-10	1145		1.7	80
56-12-08	0930		1.5	74	57-03-11	1300		1.3	84
56-12-09	1550		1.3	91	57-03-12	1300		1.3	70
56-12-10	1000		1.5	70	57-03-14	1235		1.3	63
56-12-11	0910		1.3	61	57-03-15	1300		1.1	60
56-12-12	1230		1.1	75	57-03-16	1245		1.5	58
56-12-13	1245		0.70	56	57-03-17	1035		1.9	60
56-12-14	1450		1.1	58	57-03-18	1130		1.1	66
56-12-15	1525		0.10	48	57-03-19	1310		0.90	54
56-12-16	0930		0.50	42	57-03-20	1125		1.9	67
56-12-18	1120		0.90	49	57-03-21	0800		3.6	231
56-12-19	1330		3.2	456	57-03-22	1335		1.5	84
56-12-21	1400		2.2	84	57-03-23	1015		1.7	76
56-12-22	1140		2.2	156	57-03-24	1800		1.5	80
56-12-23	1115		1.9	63	57-03-25	1130		1.5	62
56-12-24	1015		1.5	51	57-03-26	1725		1.1	60
56-12-25	1030		1.1	42	57-03-27	0845		1.3	62
56-12-26	1010		0.90	47	57-03-28	1325		0.90	71
56-12-27	0940		0.90	42	57-03-29	1535		1.5	91
56-12-28	1330		1.1	44	57-03-30	1300		1.9	134
56-12-29	1210		0.70	49	57-03-31	0810		13	4360
56-12-30			1.1	43	57-04-02	1700		2.5	201
56-12-31	1245		0.90	54	57-04-03	0810		2080	14600
57-01-01	1300		0.70	55	57-04-03	0950		1680	16200
57-01-02	1535		0.90	65	57-04-03	1145		1280	8750
57-01-03	1300		0.90	60	57-04-03	1530		672	6720
57-01-04	1415		2.9	108	57-04-03	1700		547	5810
57-01-05	1230		1.9	55	57-04-04	1600		61	1460
57-01-06	0945		1.9	69	57-04-05	1035		20	440
57-01-07	1240		1.3	83	57-04-06	0830		8.3	285
57-01-08	1215		1.3	79	57-04-07	1700		4.9	110
57-01-09	1045		1.1	76	57-04-08	0900		2.2	80
57-01-10	1145		1.1	70	57-04-10	0925		2.2	57
57-01-11	1610		1.3	62	57-04-14	1040		3.2	99
57-01-12	0930		1.1	58	57-04-15	1130		2.5	84
57-01-13	1515		1.1	50	57-04-16	1655		2.2	90
57-01-14	1440		1.3	56	57-04-17	1110		2.2	64
57-01-15	1545		0.90	60	57-04-18	1755		2.5	68
57-01-16	1515		0.70	74	57-04-19	1450		34	10100
57-01-17	1515		0.60	69	57-04-20	0615		1670	9760
57-01-18	1645		0.70	78	57-04-20	0845		1670	8360
57-01-19	0805		1.3	83	57-04-21	0935		42	7840
57-01-20	1300		1.3	76	57-04-22	0850		54	1160
57-01-21	0935		1.3	66	57-04-23	0920		3850	8420
57-01-22	1100		1.7	64	57-04-23	1540		1750	5650
57-01-23	1110		1.3	51	57-04-24	0945		186	2030
57-01-24	1300		1.5	200	57-04-25	1540		31	228
57-01-25	1130		2.2	237	57-04-26	1040		592	5560
57-01-26	1135		1.5	136	57-04-27	1030		75	705
57-01-27	1400		1.3	323	57-04-28	1055		52	208
57-01-28	1445		1.3	96	57-04-29	1600		35	116
57-01-29	1145		5.4	350	57-04-30	1525		3.6	124
57-01-30	0825		2.2	669	57-05-01	0800		365	4160
57-01-31	1410		1.9	102	57-05-02	1320		16	390
57-02-01	0945		1.7	66	57-05-03	0725		911	5180
57-02-02	1040		1.3	67	57-05-04	0725		1040	5750
57-02-03	1400		1.3	74	57-05-04	1430		31	430
57-02-04	1130		1.1	66	57-05-05	1425		22	246
57-02-05	1120		1.5	78	57-05-06	1750		5.4	113
57-02-06	1230		1.5	82	57-05-07	1210		3.6	116
57-02-07	1000		1.5	92	57-05-08	1700		20	168
57-02-08	1045		1.3	96	57-05-09	0715		707	4710
57-02-09	1000		1.3	108	57-05-09	0855		1510	4200
57-02-10	1220		0.90	94	57-05-10	1810		49	423
57-02-11	1700		1.1	85	57-05-11	1000		8.3	198
57-02-12	1015		0.70	76	57-05-11	1635		785	6850
57-02-13	1245		1.1	75	57-05-11	1745		668	5760

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-05-12	0730		306	1820	1500	57-06-22	1025		5900	20100	320000
57-05-13	0800		6580	13800	245000	57-06-22	1100		8580	10200	236000
57-05-13	0900		6310	11400	194000	57-06-22	1125		7220	14400	281000
57-05-13	1000		5870	9520	151000	57-06-22	1445		7220	9400	183000
57-05-13	1100		4680	8220	104000	57-06-22	1630		5750	7490	116000
57-05-13	1415		3840	7480	77600	57-06-22	1915		4580	6100	75400
57-05-13	1515		3590	8090	78400	57-06-23	0715		883	3810	9080
57-05-13	1710		3290	7940	70500	57-06-23	1100		2860	8620	66600
57-05-13	1815		3050	8410	69300	57-06-23	1200		3020	5570	45400
57-05-15	0745		71	495	95	57-06-23	1300		3620	7180	70200
57-05-16	1250		20	209	11	57-06-23	1400		3560	8160	78400
57-05-17	1415		4060	13600	149000	57-06-23	1500		3720	8180	82200
57-05-17	1515		3950	15500	165000	57-06-23	1700		3490	8600	81000
57-05-17	1615		3450	11900	111000	57-06-23	1800		2810	7200	54600
57-05-17	1800		4430	11400	136000	57-06-24	1815		485	1400	1830
57-05-18	0755		4810	9160	119000	57-06-25	0750		20	656	35
57-05-18	0900		4170	7580	85300	57-06-26	1800		104	433	122
57-05-18	1000		4170	7620	85800	57-06-27	1700		96	242	63
57-05-18	1100		3840	6080	63000	57-06-28	1935		74	214	43
57-05-18	1155		3730	7870	79300	57-06-29	0800		75	193	39
57-05-18	1300		3480	5700	53600	57-06-30	1745		46	169	21
57-05-18	1845		4430	8760	105000	57-07-01	1300		41	143	16
57-05-18	1920		1120	4040	12200	57-07-02	1730		34	121	11
57-05-19	0730		454	1500	1840	57-07-03	1300		32	132	11
57-05-20	1420		71	308	59	57-07-04	0830		31	117	9.8
57-05-21	1555		200	2070	1120	57-07-05	0715		31	124	10
57-05-22	1035		103	1060	295	57-07-06	1300		24	110	7.1
57-05-23	1300		136	1000	367	57-07-07	2000		22	115	6.8
57-05-24	0850		133	802	288	57-07-08	2000		20	117	6.3
57-05-25	0800		25500	3790	261000	57-07-09	1920		20	109	5.9
57-05-25	0900		25000	3300	223000	57-07-10	0745		20	132	7.1
57-05-25	1000		20600	2660	148000	57-07-11	1825		17	122	5.6
57-05-25	1100		18600	3000	151000	57-07-12	1900		16	115	5.0
57-05-25	1200		16300	5880	259000	57-07-13	1300		16	119	5.1
57-05-25	1300		14400	5850	227000	57-07-15	1900		14	107	4.0
57-05-25	1410		10000	7380	199000	57-07-16	1915		13	111	3.9
57-05-25	1835		3940	7130	75800	57-07-17	1915		13	102	3.6
57-05-27	0845		175	987	466	57-07-18	1900		12	108	3.5
57-05-28	1150		98	394	104	57-07-19	1740		12	107	3.5
57-05-29	1700		68	260	48	57-07-20	1130		12	103	3.3
57-05-30	0900		90	723	176	57-07-21	1900		12	90	2.9
57-05-31	0750		319	2100	1810	57-07-22	1745		14	98	3.7
57-06-01	0900		158	433	185	57-07-23	0800		18	114	5.5
57-06-02	0800		528	3870	5520	57-07-24	1030		13	106	3.7
57-06-02	1110		1500	6720	27200	57-07-25	1100		13	134	4.7
57-06-02	1420		1670	9460	42700	57-07-26	1300		13	103	3.6
57-06-02	1520		1590	7490	32200	57-07-27	1030		12	87	2.8
57-06-02	1710		1440	6120	23800	57-07-28	1900		9.6	82	2.1
57-06-02	1800		1410	5780	22000	57-07-29	1830		8.8	107	2.5
57-06-03	0920		536	3840	5560	57-07-30	1900		8.8	130	3.1
57-06-03	1345		1320	5420	19300	57-07-31	1330		8.3	163	3.7
57-06-03	1440		1580	6000	25600	57-08-01	0830		7.8	163	3.4
57-06-03	1540		1870	8760	44200	57-08-02	0925		7.8	107	2.3
57-06-03	1645		2060	10100	56200	57-08-03	0900		7.8	101	2.1
57-06-04	0725		811	2280	4990	57-08-04	0900		209	7640	4310
57-06-04	1125		2380	10900	70000	57-08-05	1000		25	488	33
57-06-04	1220		2730	12100	89200	57-08-06	0820		11	183	5.4
57-06-04	1320		2870	11000	85200	57-08-07	1630		6.5	102	1.8
57-06-04	1420		2610	8940	63000	57-08-08	1200		6.5	120	2.1
57-06-04	1520		2480	6610	44300	57-08-09	1815		6.0	121	2.0
57-06-04	1620		2280	6000	36900	57-08-10	1900		6.0	134	2.2
57-06-04	1720		2080	7830	44000	57-08-12	1845		5.6	140	2.1
57-06-04	1820		1860	1750	8790	57-08-13	1900		5.2	124	1.7
57-06-05	1900		553	383	572	57-08-14	0830		4.9	109	1.4
57-06-06	1550		151	298	121	57-08-17	0715		26	1160	81
57-06-07	0955		104	267	75	57-08-18	1035		8.8	274	6.5
57-06-08	1125		74	206	41	57-08-19	0900		6.5	155	2.7
57-06-09	1230		55	167	25	57-08-20	0730		6.0	152	2.5
57-06-10	1305		52	159	22	57-08-21	0800		5.6	142	2.1
57-06-11	1155		74	175	35	57-08-22	0830		5.2	136	1.9
57-06-12	0740		41	155	17	57-08-23	0830		4.9	131	1.7
57-06-13	1950		39	134	14	57-08-24	0900		4.5	132	1.6
57-06-15	0735		18200	4090	201000	57-08-25	1100		4.2	128	1.5
57-06-15	0835		17700	3840	184000	57-08-26	1830		4.2	103	1.2
57-06-15	0935		16500	2130	94900	57-08-27	1900		4.2	101	1.1
57-06-15	1035		14800	4570	183000	57-08-28	1830		3.8	100	1.0
57-06-15	1135		13600	5300	195000	57-08-29	1730		3.4	72	0.66
57-06-15	1240		11500	6680	207000	57-08-30	1800		3.4	85	0.78
57-06-15	1335		9970	6760	182000	57-08-31	1800		3.4	82	0.75
57-06-15	1535		6640	8390	150000	57-09-01	1700		6.0	325	5.3
57-06-15	1635		5330	9080	131000	57-09-02	1700		5.2	79	1.1
57-06-15	1735		4280	6530	75500	57-09-03	1730		4.2	74	0.84
57-06-15	1930		2760	7010	52200	57-09-04	1730		4.2	76	0.86
57-06-16	1800		281	1360	1030	57-09-05	1330		2.7	63	0.46
57-06-17	1930		120	405	131	57-09-06	1000		3.1	83	0.69
57-06-18	1150		387	3060	3200	57-09-07	1730		3.1	95	0.80
57-06-19	1850		171	945	436	57-09-08	1700		3.1	111	0.93
57-06-20	1225		110	268	80	57-09-09	1330		3.1	83	0.69
57-06-21	0915		88	191	45	57-09-10	1130		3.1	98	0.82

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-09-11	1600		5.2	166	2.3	57-11-29	1345	20	144		7.8
57-09-12	1700		3.8	102	1.0	57-11-30	1530	20	148		8.0
57-09-13	1900		4.7	93	1.2	57-12-01	1300	20	124		6.7
57-09-14	1330	221		9040	5390	57-12-02	1700	20	145		7.8
57-09-15	0700	2990		7930	64000	57-12-03	1300	20	122		6.6
57-09-15	0820	2500		6000	40500	57-12-04	1630	21	101		5.7
57-09-15	0910	2340		7320	46200	57-12-05	1830	21	110		6.2
57-09-15	1030	1940		7280	38100	57-12-06	1630	22	95		5.6
57-09-15	1530	962		4640	12100	57-12-07	1500	21	112		6.4
57-09-15	1630	844		4240	9660	57-12-08	1100	20	122		6.6
57-09-16	1700	88		1050	249	57-12-09	1015	18	100		4.9
57-09-17	1215	31		343	29	57-12-10	1100	19	95		4.9
57-09-18	1800	17		120	5.5	57-12-11	1115	16	63		2.7
57-09-19	0835	13		116	4.1	57-12-12	1120	16	120		5.2
57-09-21	0845	2140		5710	33000	57-12-13	1530	18	120		5.8
57-09-21	0930	2080		5100	28600	57-12-14	1100	19	124		6.4
57-09-21	1100	1630		3880	17100	57-12-15	1030	19	135		6.9
57-09-21	1155	1480		4200	16800	57-12-16	1030	16	100		4.3
57-09-21	1300	1090		3530	10400	57-12-17	1240	0.30	48		0.04
57-09-21	1430	733		2900	5740	57-12-17	1730	20	116		6.3
57-09-21	1530	639		2740	4730	57-12-18	0920	21	98		5.6
57-09-21	1700	528		2560	3650	57-12-19	1600	22	120		7.1
57-09-22	1130	147		973	386	57-12-20	1615	19	94		4.8
57-09-23	1630	20		254	14	57-12-22	1030	18	80		3.9
57-09-24	0820	22		106	6.3	57-12-23	1615	19	73		3.7
57-09-25	1820	15		86	3.5	57-12-26	1545	27	81		5.9
57-09-26	1645	14		82	3.1	57-12-27	1540	24	124		8.0
57-09-27	0820	13		82	2.9	57-12-28	1115	24	125		8.1
57-09-28	0815	12		85	2.8	57-12-29	1215	22	138		8.2
57-09-29	1700	10.0		115	3.1	57-12-30	0900	22	128		7.6
57-09-30	1800	10.0		125	3.4	57-12-31	1445	20	120		6.5
57-10-01	1750	9.6		78	2.0	58-01-01	1145	18	122		5.9
57-10-02	1800	9.6		90	2.3	58-01-02	1600	19	140		7.2
57-10-03	1300	9.2		85	2.1	58-01-03	1545	20	108		5.8
57-10-04	1800	10.0		95	2.6	58-01-04	1145	19	113		5.8
57-10-05	0900	11		84	2.5	58-01-05	1500	19	80		4.1
57-10-06	1745	9.2		102	2.5	58-01-06	1600	20	102		5.5
57-10-07	0935	9.6		95	2.5	58-01-07	1230	20	89		4.8
57-10-08	1400	11		78	2.3	58-01-08	1645	20	117		6.3
57-10-09	1300	11		66	2.0	58-01-09	1100	20	84		4.5
57-10-10	1520	9.6		70	1.8	58-01-10	1245	20	91		4.9
57-10-11	1720	10.0		82	2.2	58-01-11	1000	20	80		4.3
57-10-12	1630	10.0		66	1.8	58-01-12	1300	22	119		7.1
57-10-13	1330	94		1580	401	58-01-13	1300	22	102		6.1
57-10-14	1800	35		371	35	58-01-14	1400	26	89		6.2
57-10-15	1800	21		119	6.7	58-01-15	1030	23	94		5.8
57-10-16	0930	18		68	3.3	58-01-16	1110	20	110		5.9
57-10-17	1000	16		73	3.2	58-01-17	1100	20	85		4.6
57-10-18	1130	12		67	2.2	58-01-18	1100	21	71		4.0
57-10-19	0900	12		57	1.8	58-01-19	1500	27	200		15
57-10-20	1130	11		70	2.1	58-01-20	1530	120	552		179
57-10-21	1730	11		57	1.7	58-01-21	1230	81	196		43
57-10-23	1440	74		1020	204	58-01-22	2230	48	96		12
57-10-24	1015	32		226	20	58-01-23	1145	48	76		9.8
57-10-25	1430	19		84	4.3	58-01-24	1030	54	92		13
57-10-26	1250	15		81	3.3	58-01-25	1545	34	69		6.3
57-10-27	1130	13		78	2.7	58-01-26	1230	27	31		2.3
57-10-28	1130	14		83	3.1	58-01-27	1545	24	61		4.0
57-10-29	1000	13		69	2.4	58-01-28	1530	31	64		5.4
57-10-30	1155	13		90	3.2	58-01-29	1030	22	83		4.9
57-10-31	0915	14		110	4.2	58-02-01	1130	22	69		4.1
57-11-01	1115	15		128	5.2	58-02-02	1700	22	103		6.1
57-11-02	1520	12		112	3.6	58-02-03	1420	21	98		5.6
57-11-03	1100	14		94	3.6	58-02-04	1600	22	100		5.9
57-11-04	1000	16		118	5.1	58-02-05	1600	25	82		5.5
57-11-05	1000	19		130	6.7	58-02-06	1000	45	170		21
57-11-06	1115	22		104	6.2	58-02-07	1645	24	123		8.0
57-11-07	1051	329		3190	2830	58-02-08	0830	27	93		6.8
57-11-08	1500	149		624	251	58-02-09	1215	25	113		7.6
57-11-09	1300	51		191	26	58-02-10	1330	25	109		7.4
57-11-10	1530	31		129	11	58-02-11	1215	26	93		6.5
57-11-11	1000	26		133	9.3	58-02-12	1100	27	86		6.3
57-11-12	1130	27		500	36	58-02-13	1645	25	125		8.4
57-11-13	1300	302		1100	897	58-02-14	1100	27	104		7.6
57-11-14	1330	110		307	91	58-02-15	1145	30	104		8.4
57-11-15	0830	54		154	22	58-02-16	1230	26	104		7.3
57-11-16	0800	45		72	8.7	58-02-17	1130	26	96		6.7
57-11-17	1130	34		92	8.4	58-02-18	1215	23	125		7.8
57-11-18	1500	32		107	9.2	58-02-19	1100	23	121		7.5
57-11-19	1000	29		113	8.8	58-02-20	1145	24	122		7.9
57-11-20	0830	26		77	5.4	58-02-22	1630	25	106		7.2
57-11-21	1630	24		64	4.1	58-02-23	1230	23	96		6.0
57-11-22	0930	23		128	7.9	58-02-24	1000	25	83		5.6
57-11-23	1000	22		103	6.1	58-02-25	0800	26	65		4.6
57-11-24	1100	22		123	7.3	58-02-26	0800	28	67		5.1
57-11-25	1630	21		159	9.0	58-02-27	1715	29	117		9.2
57-11-26	1730	21		146	8.3	58-02-28	1730	25	127		8.6
57-11-27	1700	21		158	9.0	58-03-01	1230	22	52		3.1
57-11-28	0900	21		148	8.4	58-03-02	1230	21	29		1.6

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

			SUSPENDED SEDIMENT		SUSPENDED SEDIMENT					SUSPENDED SEDIMENT		SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++																	
58-03-03	0800	21		53	3.0	58-06-07	1130	14		120	4.5						
58-03-04	1400	21		32	1.8	58-06-08	0800	14		132	5.0						
58-03-05	1020	22		49	2.9	58-06-09	0700	12		140	4.5						
58-03-06	1030	19		50	2.6	58-06-10	0800	12		126	4.1						
58-03-07	1020	49		393	52	58-06-11	0700	10.0		120	3.2						
58-03-08	1045	98		1360	360	58-06-12	1130	122		112	37						
58-03-09	1145	173		510	238	58-06-13	0800	8.8		91	2.2						
58-03-10	1140	147		1170	464	58-06-14	0730	8.8		105	2.5						
58-03-11	1030	122		312	103	58-06-15	0720	9.2		130	3.2						
58-03-12	1730	74		125	25	58-06-16	1500	110		6200	1840						
58-03-13	1100	88		100	24	58-06-17	1220	100		1460	394						
58-03-14	1330	251		825	559	58-06-18	1745	29		334	26						
58-03-15	1230	251		914	619	58-06-19	0900	68		1460	268						
58-03-16	1230	106		202	58	58-06-20	0830	56.10		23600	357000						
58-03-17	1115	83		96	22	58-06-20	1000	6220		22400	376000						
58-03-18	1545	60		74	12	58-06-20	1100	6460		20400	356000						
58-03-19	1545	60		64	10	58-06-20	1200	6560		15400	273000						
58-03-20	1000	52		63	8.8	58-06-20	1300	6300		11400	194000						
58-03-21	1645	38		65	6.7	58-06-20	1400	6090		11200	184000						
58-03-22	1730	39		78	8.2	58-06-20	1500	5280		9000	128000						
58-03-23	1520	42		78	8.8	58-06-20	1600	4930		10700	142000						
58-03-24	1000	45		59	7.2	58-06-20	1700	4700		9490	120000						
58-03-25	1300	57		58	8.9	58-06-20	1800	4500		9250	112000						
58-03-26	0730	39		56	5.9	58-06-21	0700	3850		9400	97700						
58-03-27	0800	39		52	5.5	58-06-21	0800	4520		9480	116000						
58-03-28	0730	20		61	3.3	58-06-21	0900	5400		10100	147000						
58-03-29	0800	597		229	369	58-06-21	1000	7020		11600	220000						
58-03-30	1100	162		825	361	58-06-21	1100	6240		9800	165000						
58-03-31	1110	74		203	41	58-06-21	1200	5790		7640	119000						
58-04-01	0945	58		114	18	58-06-21	1300	4980		7960	107000						
58-04-02	0730	51		137	19	58-06-21	1400	4300		7780	90300						
58-04-03	0730	54		164	24	58-06-21	1500	4060		7190	78800						
58-04-04	0730	72		183	36	58-06-21	1600	3790		5360	54800						
58-04-05	1100	42		143	16	58-06-21	1700	3670		5230	51800						
58-04-06	1000	34		122	11	58-06-21	1800	3570		4440	42800						
58-04-07	0735	31		137	11	58-06-21	1900	3420		5540	51200						
58-04-08	0730	31		164	14	58-06-22	0710	946		3320	8480						
58-04-10	0930	51		110	15	58-06-22	0805	890		2880	6920						
58-04-11	1420	41		120	13	58-06-22	0900	826		4620	10300						
58-04-12	1230	38		128	13	58-06-22	1030	763		3660	7540						
58-04-14	1240	102		186	51	58-06-23	0615	153		263	109						
58-04-16	1230	51		111	15	58-06-24	1700	100		468	126						
58-04-17	1730	45		100	12	58-06-25	0815	348		7900	7420						
58-04-18	1330	41		110	12	58-06-25	1600	779		4140	8710						
58-04-19	1400	38		83	8.5	58-06-26	1100	384		1440	1490						
58-04-20	1000	962		10200	26500	58-06-27	0930	104		218	61						
58-04-21	1030	286		1340	1030	58-06-29	0800	55		20	3.0						
58-04-22	0730	102		317	87	58-06-30	1730	43		111	13						
58-04-23	1015	63		139	24	58-07-01	1800	41		82	9.1						
58-04-24	1615	36		134	13	58-07-03	0745	36		64	6.2						
58-04-25	1100	32		118	10	58-07-04	0800	35		38	3.6						
58-04-26	1730	34		125	11	58-07-05	0900	34		91	8.4						
58-04-27	1100	32		112	9.7	58-07-06	0830	34		119	11						
58-04-28	0930	34		106	9.7	58-07-07	1330	90		364	88						
58-04-29	1300	35		141	13	58-07-09	0820	32		101	8.7						
58-04-30	1300	35		84	7.9	58-07-10	1700	26		120	8.4						
58-05-01	1230	32		85	7.3	58-07-11	1300	24		146	9.5						
58-05-02	1400	41		127	14	58-07-12	1740	23		135	8.4						
58-05-03	0745	182		1840	904	58-07-13	1330	20		118	6.4						
58-05-04	0815	65		282	49	58-07-14	1800	20		93	5.0						
58-05-05	0800	60		162	26	58-07-15	1300	19		114	5.8						
58-05-06	0700	34		72	6.6	58-07-16	1315	16		127	5.5						
58-05-07	0800	34		133	12	58-07-17	1900	15		110	4.5						
58-05-08	1315	29		131	10	58-07-19	1930	13		134	4.7						
58-05-09	0800	922		8910	22200	58-07-20	1000	13		134	4.7						
58-05-10	0830	237		1150	736	58-07-21	1530	15		154	6.2						
58-05-11	0815	87		259	61	58-07-22	1710	13		137	4.8						
58-05-12	1800	48		134	17	58-07-23	1045	81		3980	870						
58-05-13	1820	35		145	14	58-07-24	1000	18		621	30						
58-05-15	0730	51		161	22	58-07-25	1530	18		221	11						
58-05-16	1645	51		149	21	58-07-26	1410	20		283	15						
58-05-17	1300	43		124	14	58-07-27	1600	13		150	5.3						
58-05-18	1315	151		736	300	58-07-30	1800	13		139	4.9						
58-05-19	0900	57		233	36	58-07-31	1730	11		162	4.8						
58-05-20	1600	29		132	10	58-08-01	1500	10.0		233	6.3						
58-05-23	0730	27		110	8.0	58-08-02	1300	9.2		131	3.3						
58-05-24	0815	26		89	6.2	58-08-03	1900	9.6		145	3.8						
58-05-25	0900	24		439	28	58-08-04	1500	9.2		122	3.0						
58-05-26	1600	18		172	8.4	58-08-05	1730	9.2		152	3.8						
58-05-27	0730	18		201	9.8	58-08-06	1900	9.2		122	3.0						
58-05-28	1100	57		2400	369	58-08-07	1145	11		126	3.7						
58-05-29	0745	20		162	8.7	58-08-08	1730	11		134	4.0						
58-05-30	0800	664		8100	14500	58-08-09	1000	34		4640	426						
58-05-31	0820	83		768	172	58-08-10	1600	18		630	31						
58-06-01	1145	26		132	9.3	58-08-11	1800	7.8		201	4.2						
58-06-02	0800	110		148	44	58-08-12	1900	7.8		158	3.3						
58-06-04	0920	19		100	5.1	58-08-13	1930	6.5		105	1.8						
58-06-05	0830	14		95	3.6	58-08-14	1900	5.6		98	1.5						
58-06-06	0930	14		70	2.6	58-08-15	0800	5.2		141	2.0						

\*\*\*\*\*  
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ARKANSAS RIVER BASIN

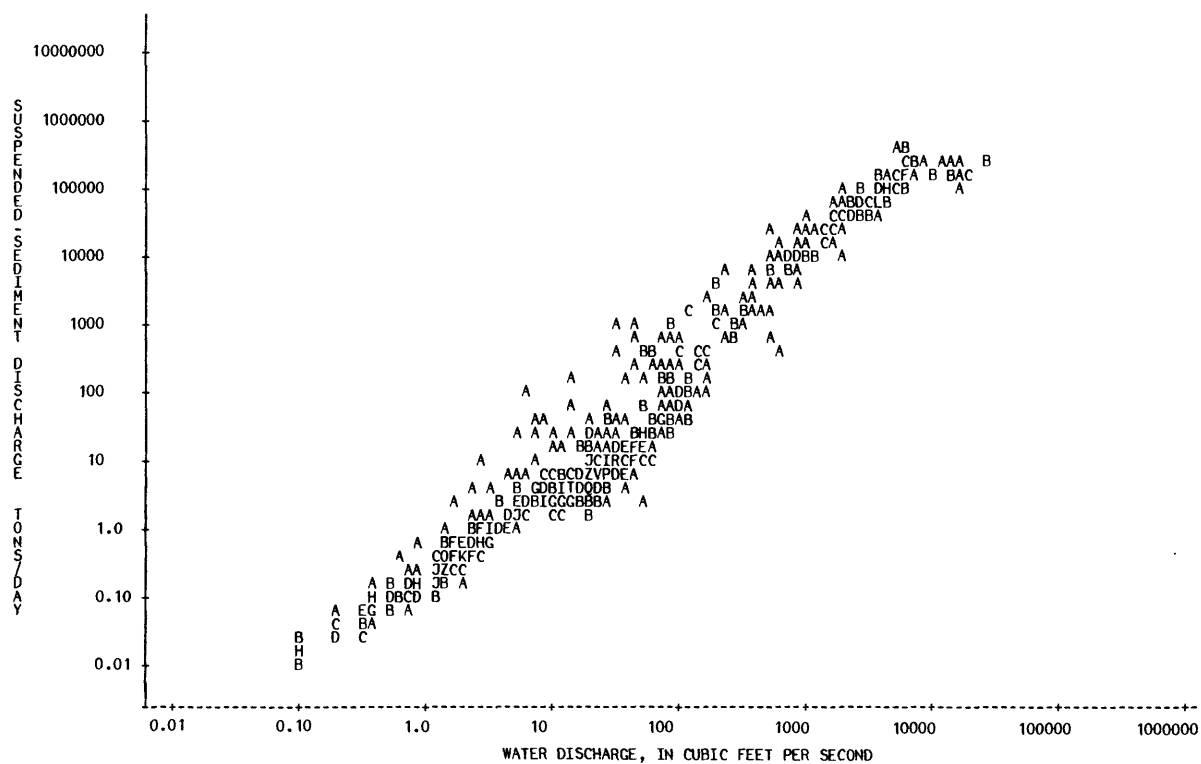
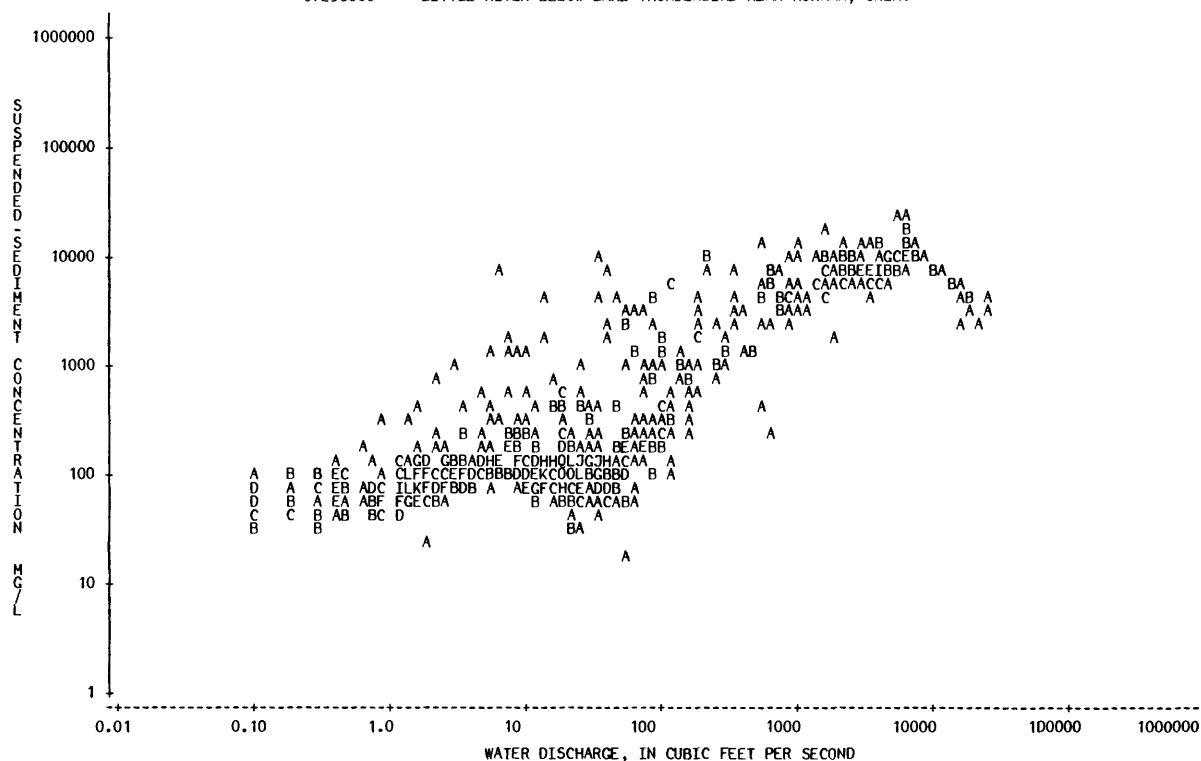
346

07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-08-16		1500	4.5	160	1.9						
58-08-17		1000	7.8	222	4.7						
58-08-18		1500	11	212	6.3						
58-08-19		1300	7.0	198	3.7						
58-08-20		1500	15	763	31						
58-08-21		0800	88	2680	637						
58-08-22		1430	18	480	23						
58-08-23		0930	9.6	250	6.5						
58-08-24		0830	7.4	210	4.2						
58-08-25		1700	4.9	142	1.9						
58-08-26		1630	3.4	142	1.3						
58-08-27		1030	3.1	135	1.1						
58-08-28		1830	2.4	120	0.78						
58-08-29		1530	2.0	124	0.67						
58-08-30		1430	1.6	141	0.61						
58-08-31		1530	1.4	135	0.51						
58-09-01		1730	1.6	140	0.60						
58-09-02		1700	1.6	122	0.53						
58-09-03		1730	1.4	115	0.43						
58-09-04		1600	1.4	116	0.44						
58-09-05		1330	1.1	118	0.35						
58-09-06		1500	1.1	132	0.39						
58-09-07		1430	1.1	135	0.40						
58-09-08		1810	1.6	125	0.54						
58-09-09		1700	1.8	132	0.64						
58-09-10		1715	5.2	146	2.0						
58-09-11		1100	4.5	151	1.8						
58-09-12		1730	2.4	137	0.89						
58-09-13		1830	2.0	26	0.14						
58-09-14		1900	1.6	148	0.64						
58-09-15		1500	1.7	128	0.59						
58-09-16		1530	5.2	144	2.0						
58-09-17		1730	2.7	136	0.99						
58-09-19		1830	2.0	146	0.79						
58-09-20		1930	2.7	137	1.0						
58-09-21		1400	2.7	130	0.95						
58-09-22		1730	2.7	134	0.98						
58-09-23		1630	3.1	138	1.2						
58-09-24		1700	2.7	111	0.81						
58-09-25		0900	1.7	105	0.48						
58-09-26		1100	55	3260	484						
58-09-27		1230	7.0	192	3.6						
58-09-28		0830	5.6	142	2.1						

\*\*\*\*\*  
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07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OKLA.



## ARKANSAS RIVER BASIN

07230500 LITTLE RIVER NEAR TECUMSEH, OKLA.

LOCATION.--Lat 35°10'25", long 96°55'55", near northwest corner sec.18, T.8 N., R.4 E., Pottawatomie County, Hydrologic Unit 11090203, on downstream side of center pier of bridge on U.S. Highway 177, 1.5 mi (2.4 km) downstream from Dance Creek, 5.0 mi (8.0 km) south of Tecumseh, and at mile 77.2 (124.2 km).

DRAINAGE AREA.--456 mi<sup>2</sup> (1,181 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-54, 1957-65, 1967-70, 1972-75.

REMARKS.--Flow regulated or diverted since 1965 by Lake Thunderbird, 19.2 mi (30.9 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-04-19			437	12600	A 14900	45-03-19			4780	4000	A 51600
44-04-19	0001		192	7700	A 3990	45-03-28			84	200	A 45
44-04-28			18	300	A 15	45-04-02			119	300	A 96
44-05-09			60	1800	A 292	45-04-09			68	400	A 73
44-05-23			2640	8000	A 57000	45-04-14			23300	4800	A 302000
44-05-27			6950	6500	A 122000	45-04-15			13200	3800	A 135000
44-06-03			51	600	A 83	45-04-23			165	600	A 267
44-06-09			51	200	A 28	45-04-30			122	300	A 99
44-06-13			3500	14800	A 140000	45-05-07			80	200	A 43
44-06-17			55	100	A 15	45-05-14			236	1200	A 765
44-06-24			17	100	A 4.6	45-05-15			1830	10800	A 53400
44-06-30			26	1100	A 77	45-05-21			103	500	A 139
44-07-05			9.0	100	A 2.4	45-05-28			48	400	A 52
44-07-11			6.0	200	A 3.2	45-06-04			149	4500	A 1810
44-07-25			16	200	A 8.6	45-06-08			1180	13400	A 42700
44-08-02			6.0	300	A 4.9	45-06-11	0001		5060	11200	A 153000
44-08-12			2.0	200	A 1.1	45-06-11	D002		7530	11900	A 242000
44-08-17			1.0	300	A 0.81	45-06-13			950	3100	A 7950
44-08-26			4.0	100	A 1.1	45-06-17			3120	6300	A 53100
44-09-01			3.0	200	A 1.6	45-06-18			492	2000	A 2660
44-09-06			30	1600	A 130	45-06-21			4010	7000	A 75800
44-09-16			2.0	200	A 1.1	45-06-25			156	300	A 126
44-10-03			1460	10900	A 43000	45-07-04			80	200	A 43
44-10-04			394	3800	A 4040	45-07-06			960	4300	A 11100
44-10-09			20	1200	A 65	45-07-10			7500	6000	A 122000
44-10-17			7.0	200	A 3.8	45-07-11			1760	2700	A 12800
44-10-24			5.0	200	A 2.7	45-07-16			120	200	A 65
44-10-30			5.0	200	A 2.7	45-07-24			53	200	A 29
44-11-04			712	10700	A 20600	45-07-30			68	200	A 37
44-11-06			23	1400	A 87	45-08-06			30	200	A 16
44-11-10			17	900	A 41	45-08-13			35	200	A 19
44-11-13			9.0	200	A 4.9	45-08-20			32	200	A 17
44-11-20			16	300	A 13	45-08-27			19	100	A 5.1
44-11-27			39	700	A 74	45-09-04			14	100	A 3.8
44-12-04	0001		902	7800	A 19000	45-09-10			13	100	A 3.5
44-12-04	0002		980	5700	A 15100	45-09-17			10.0	100	A 2.7
44-12-05			2060	6700	A 37300	45-09-26	0001		1830	9100	A 45000
44-12-11			32	200	A 17	45-09-26	0002		3060	10900	A 90100
44-12-18			23	100	A 6.2	45-09-28	0001		4740	7800	A 99800
44-12-28			32	200	A 17	45-09-28	0002		4800	8400	A 109000
45-01-08			24	100	A 6.5	45-10-01			5700	4200	A 64600
45-01-15			20	100	A 5.4	45-10-03			300	100	A 81
45-01-22			52	400	A 56	45-10-19			82	200	A 44
45-01-29			40	400	A 43	45-10-23			67	200	A 36
45-02-05			30	500	A 40	45-10-30			68	200	A 37
45-02-12			25	500	A 34	45-11-09			53	200	A 29
45-02-21			336	2300	A 2090	45-11-13			73	100	A 20
45-02-26			114	1600	A 492	46-01-05			14	100	A 3.8
45-03-03			2190	7800	A 46100	46-01-10			289	700	A 546
45-03-05			202	700	A 382	46-01-19			33	200	A 18
45-03-11			5700	15800	A 243000	46-01-26			739	9100	A 18200
45-03-12			1360	5100	A 18700	46-02-04			93	100	A 25
45-03-15			6280	6700	A 114000	46-02-11			94	100	A 25

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-02-18			3900	8900	A 93700	48-08-10			42	200	A 23
46-02-19			1380	4100	A 15300	49-05-01			1730	7300	A 34100
46-02-25			143	400	A 154	49-05-18			26200	3800	A 269000
46-03-08			115	400	A 124	49-05-27			320	1200	A 1040
46-03-11			87	300	A 70	49-06-01			132	300	A 107
46-03-21			123	100	A 33	49-06-09			95	200	A 51
46-03-23			562	3200	A 4860	49-06-10			9150	11700	A 289000
46-03-25			143	400	A 154	49-06-24			389	1800	A 1890
46-03-27	0001		3010	9300	A 75600	49-08-25			11	100	A 3.0
46-03-27	0002		4030	5500	A 59800	50-05-10			5250	20300	A 288000
46-04-01			169	300	A 137	50-05-11			10400	5000	A 140000
46-04-29			2990	22600	A 182000	50-05-12			1310	2300	A 8140
46-05-03			242	2500	A 1630	50-05-16			119	300	A 96
46-05-09			706	7400	A 14100	50-07-22			2590	4400	A 30800
46-05-13			82	200	A 44	50-09-15			288	2200	A 1710
46-05-17			1440	10400	A 40400	51-05-02			403	2900	A 3160
46-05-20			89	100	A 24	51-05-28			1020	4900	A 13500
46-05-23	1100		4880	19100	A 252000	51-06-12			720	3000	A 5830
46-05-23	1700		5130	10600	A 147000	52-02-26			94	1000	A 254
46-05-29	1000		5860	12700	A 201000	52-03-06			41	200	A 22
46-05-29	1600		4590	7700	A 95400	52-05-20			106	1500	A 429
46-05-31	1000		5470	13800	A 204000	52-05-23			5900	18200	A 290000
46-05-31	1600		4060	5500	A 60300	52-05-27			74	300	A 60
46-06-19			196	300	A 159	53-03-17			26	1500	A 105
46-07-16			30	100	A 8.1	53-03-30			140	7300	A 2760
46-07-26			18	100	A 4.9	53-04-08			56	600	A 91
46-09-09			9.0	300	A 7.3	53-05-14			46	1000	A 124
46-09-18			8.0	200	A 4.3	53-07-08			200	10400	A 5620
46-10-02			8.0	200	A 4.3	53-07-14			30	1000	A 81
46-10-09			8.0	200	A 4.3	53-07-17			113	5200	A 1590
46-10-23			12	200	A 6.5	53-07-24			394	6000	A 6380
46-10-31			11	200	A 5.9	53-10-26			817	3000	A 6620
46-11-04			131	2600	A 920	54-04-28			155	3400	A 1420
46-11-13			24	200	A 13	54-04-30			5630	9600	A 146000
46-11-27			39	200	A 21	54-05-12			3170	11500	A 98400
46-12-03			25	100	A 6.7	57-03-11			180	730	A 355
46-12-13			222	1000	A 599	57-03-31			150	1540	A 624
46-12-18			55	200	A 30	57-04-03			1450	26300	A 103000
46-12-24			46	300	A 37	57-04-22			2000	1560	A 8420
46-12-31			23	300	A 19	57-05-15			185	560	A 280
47-01-06			44	300	A 36	57-11-14			184	830	A 412
47-01-17			38	200	A 21	58-05-12			98	1330	A 352
47-01-22			38	200	A 21	58-06-17			245	4830	A 3200
47-01-31			32	300	A 26	58-06-21			9090	9850	A 242000
47-02-11			34	200	A 18	59-04-20			96	1490	A 386
47-02-26			29	700	A 55	59-05-11			229	2690	A 1660
47-03-06			31	300	A 25	59-07-27			223	3600	A 2170
47-03-19			36	300	A 29	59-09-03			2430	10600	A 69500
47-03-27			513	8800	A 12200	59-10-03			6860	13800	A 256000
47-04-28			865	5100	A 11900	60-01-11			173	460	A 215
47-05-05			78	700	A 147	60-02-05			601	1970	A 3200
47-05-12			5770	15700	A 245000	60-04-14			2090	9810	A 55400
47-05-13			1040	4000	A 11200	60-05-06			4710	6670	A 84800
47-05-17			4080	4200	A 46300	60-05-11			121	290	A 95
47-05-23			770	5500	A 11400	60-08-24			51	250	A 34
47-06-03			268	800	A 579	61-05-08			198	4210	A 2250
47-06-11			61	400	A 66	61-05-23			131	1110	A 393
47-06-26			173	600	A 280	61-07-24			332	1940	A 1740
47-07-08			61	300	A 49	61-09-13			4210	11900	A 135000
47-07-22			22	300	A 18	62-03-23			62	230	A 39
47-07-29			36	300	A 29	62-04-12			96	630	A 163
47-09-10			15	300	A 12	62-06-02			3560	10900	A 105000
47-11-20			16	200	A 8.6	63-04-29			101	480	A 131
47-12-09			20	300	A 16	64-05-06			855	10700	A 24700
47-12-15			21	100	A 5.7	64-05-11			3950	4040	A 43100
48-01-07			33	200	A 18	64-05-15			61	9500	A 1560
48-01-20			30	200	A 16	64-08-28			92	8010	A 1990
48-01-28			21	100	A 5.7	64-11-04			171	2920	A 1350
48-02-05			49	100	A 13	64-11-19			726	3650	A 7150
48-02-10			33	100	A 8.9	64-11-24			133	660	A 237
48-02-17			42	100	A 11	67-09-06			91	2070	A 509
48-02-24			29	200	A 16	68-04-19			2040	11400	A 62800
48-03-03			176	2000	A 950	68-04-23			69	530	A 99
48-03-18			82	300	A 66	68-05-14			1250	25000	A 84400
48-03-26			3550	14700	A 141000	68-10-09			150	3580	A 1450
48-03-31			67	300	A 54	69-01-03			456	2320	A 2860
48-04-06			51	400	A 55	69-03-24			291	1180	A 927
48-04-13			33	400	A 36	69-05-07			2000	13700	A 74000
48-04-27			70	300	A 57	70-05-01			3200	4280	A 37000
48-05-12			120	800	A 259	70-09-23			7990	2220	A 47900
48-06-01			408	3600	A 3970	72-04-20			688	5060	A 9400
48-06-08			28	100	A 7.6	72-04-21			238	7870	A 5060
48-06-17			17	100	A 4.6	73-04-03			798	1510	A 3250
48-06-23	0001		4970	12300	A 165000	73-06-08			500	3250	A 4390
48-06-23	0002		6110	5900	A 97300	73-06-22			568	670	A 1030
48-07-01			116	400	A 125	73-06-28			275	360	A 267
48-07-13			108	400	A 117	73-09-13			841	6880	A 15600
48-07-21			32	100	A 8.6	74-04-30			710	3390	A 6500
48-07-28			75	200	A 40	74-10-31			2480	1720	A 11500

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

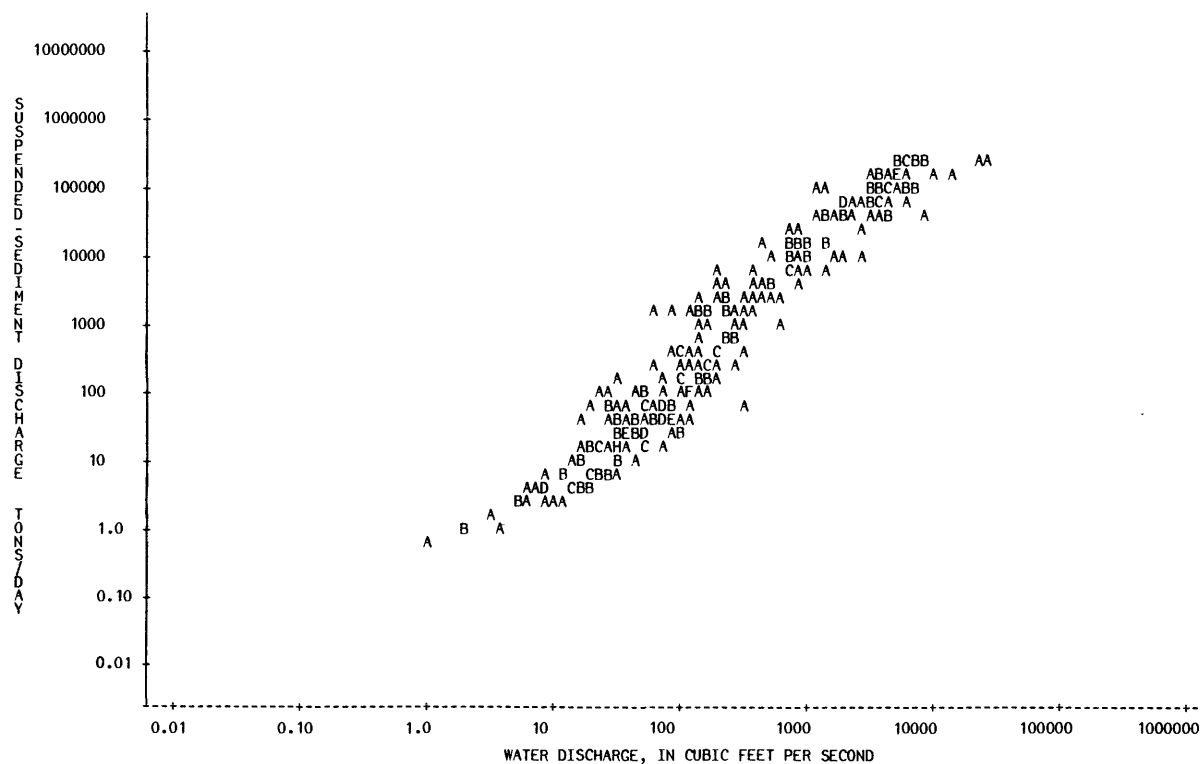
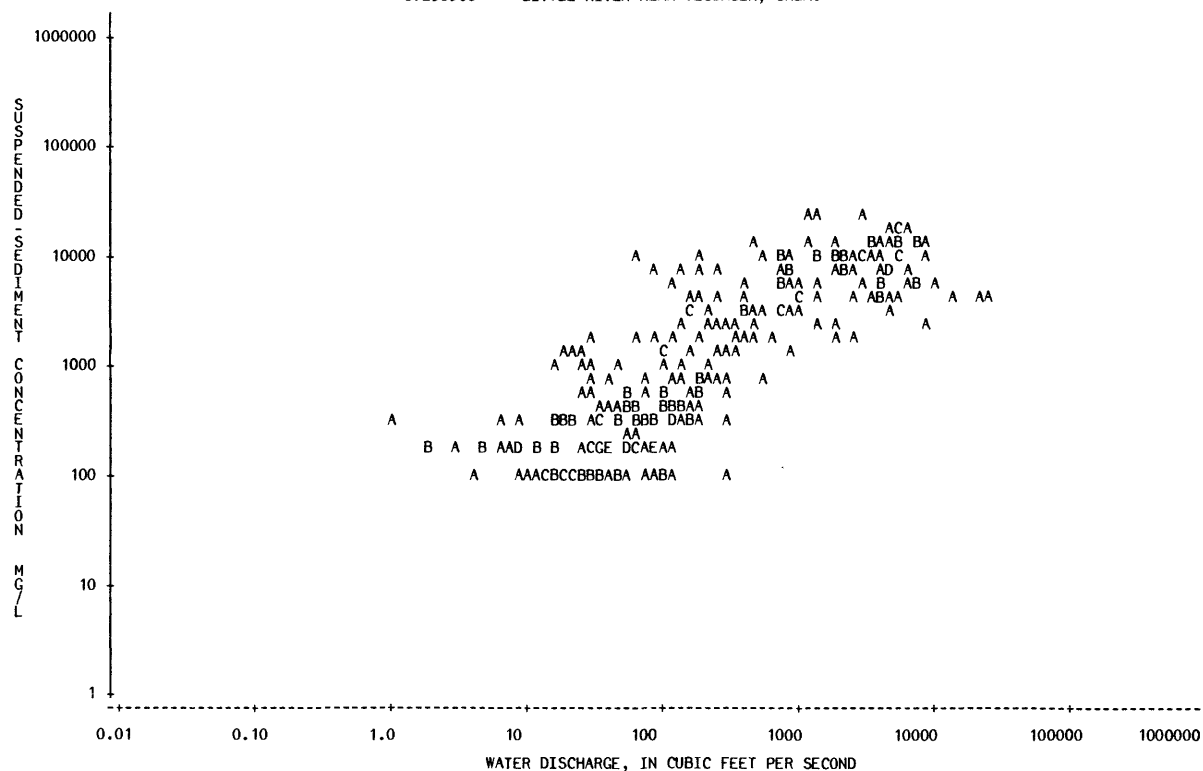
07230500 LITTLE RIVER NEAR TECUMSEH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-03-06			48	110	A 14						
75-04-03			301	590	A 479						
75-05-23			4680	2870	A 36300						
75-05-27			160	410	A 177						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07230500 LITTLE RIVER NEAR TECUMSEH, OKLA.



## ARKANSAS RIVER BASIN

07231000 LITTLE RIVER NEAR SASAKWA, OKLA.

LOCATION.--Lat 34°59'02", Long 96°33'01", NE 1/4 sec.22, T.6 N., R.7 E., Seminole County, Hydrologic Unit 11090203, near left abutment on downstream side of county road bridge, 2.8 mi (4.5 km) northwest of Sasakwa, 8.7 mi (14.0 km) downstream from Salt Creek, and at mile 24.1 (38.8 km).

DRAINAGE AREA.--965 mi<sup>2</sup> (2,240 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-54, 1957-70, 1973-74.

REMARKS.--Flow regulated by Lake Thunderbird 72.3 mi (116.3 km) upstream since March 1965.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-10-26			8.0	200	A 4.3	44-09-06			101	1900	A 518
43-11-02			12	200	A 6.5	44-09-14			9.0	200	A 4.9
43-11-09			10.0	400	A 11	44-09-21			7.0	200	A 3.8
43-11-16			10.0	1800	A 49	44-09-25			5.0	800	A 11
43-11-23			12	2800	A 91	44-10-04			2180	5300	A 31200
43-11-30			12	600	A 19	44-10-06			416	1100	A 1240
43-12-08			25	1900	A 128	44-10-07			152	300	A 123
43-12-14			27	600	A 44	44-10-09			142	1400	A 537
43-12-21			14	400	A 15	44-10-10			203	1900	A 1040
43-12-28			270	4200	A 3060	44-10-17			28	300	A 23
44-01-04			44	300	A 36	44-10-20			21	400	A 23
44-01-11			36	500	A 49	44-10-24			17	400	A 18
44-01-25			39	300	A 32	44-10-26			16	600	A 26
44-02-01			42	300	A 34	44-10-30			16	600	A 26
44-02-08			158	1900	A 811	44-11-06			186	2200	A 1100
44-02-22			118	600	A 191	44-11-09			235	2400	A 1520
44-02-29			648	2700	A 4720	44-11-13			32	300	A 26
44-03-07			44	300	A 36	44-11-16			43	500	A 58
44-03-14			30	200	A 16	44-11-20			40	600	A 65
44-03-22			626	900	A 1520	44-11-27			264	900	A 642
44-03-28			86	200	A 46	44-12-01			57	500	A 77
44-04-04			46	200	A 25	44-12-09			257	900	A 625
44-04-11			1210	5600	A 18300	44-12-11			133	500	A 180
44-04-18			42	200	A 23	44-12-18			70	500	A 94
44-04-25			86	400	A 93	44-12-28			70	1000	A 189
44-05-03			1240	2300	A 7700	45-01-01			66	500	A 89
44-05-09			100	2700	A 729	45-01-03			52	300	A 42
44-05-16			53	100	A 14	45-01-08			57	400	A 62
44-05-23			658	5700	A 10100	45-01-15			46	400	A 50
44-05-30			4090	900	A 9940	45-01-16			46	400	A 50
44-06-01			490	800	A 1060	45-01-22			100	600	A 162
44-06-06			185	500	A 250	45-01-29			91	500	A 123
44-06-10			103	100	A 28	45-01-30			79	700	A 149
44-06-14			1770	1300	A 6210	45-02-05			71	500	A 96
44-06-15			2490	900	A 6050	45-02-12			49	600	A 79
44-06-16			1030	800	A 2220	45-02-21			1880	4300	A 21800
44-06-17			247	700	A 467	45-02-28			252	900	A 612
44-06-23			49	100	A 13	45-03-05			3800	900	A 9230
44-06-27			34	100	A 9.2	45-03-06			2210	3200	A 19100
44-06-30			15	200	A 8.1	45-03-12		1200	3310	2200	A 19700
44-07-07			22	200	A 12	45-03-12		1600	3540	1700	A 16200
44-07-12			15	900	A 36	45-03-13		1200	4420	2100	A 25100
44-07-18			20	900	A 49	45-03-13		1900	4620	1600	A 20000
44-07-19			30	200	A 16	45-03-14		1000	2640	800	A 5700
44-07-25			256	600	A 415	45-03-14		1200	2240	1100	A 6650
44-07-27			423	1600	A 1830	45-03-14		1500	1710	1300	A 6000
44-08-02			60	400	A 65	45-03-14		1800	1360	1500	A 5510
44-08-04			26	200	A 14	45-03-15			5200	1600	A 22500
44-08-12			18	200	A 9.7	45-03-19		0200	3860	2800	A 29200
44-08-16			6.0	500	A 8.1	45-03-19		1800	4470	2000	A 24100
44-08-23			4.0	200	A 2.2	45-03-20			10900	2000	A 58900
44-08-31			164	3100	A 1370	45-03-21			5240	1200	A 17000
44-09-01			56	800	A 121	45-03-22			1840	1200	A 5960

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07231000 LITTLE RIVER NEAR SASAKWA, OKLA.--CONTINUED

353

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-03-27			310	500	A 418	50-05-15			1500	100	A 405
45-03-29			237	400	A 256	50-05-24			154	200	A 83
45-04-02	DD01		1320	1100	A 3920	50-05-31			296	700	A 559
45-04-02	0002		1270	700	A 2400	50-06-05			371	800	A 801
45-04-09			208	500	A 281	50-06-12			934	1800	A 4540
45-04-10			199	300	A 161	50-07-10			3860	2100	A 21900
45-04-14			3630	260	A 2550	50-07-20			3340	2200	A 19800
45-04-16			26700	2300	A 166000	50-07-22			7810	900	A 19000
45-04-17			16400	2300	A 102000	50-07-25			2500	12000	A 81000
45-04-23			838	1900	A 4300	50-08-03			442	4600	A 5490
45-04-26			667	700	A 1260	50-08-09			156	100	A 42
45-04-30			382	600	A 619	50-08-30			293	2000	A 1580
45-05-01			317	700	A 599	50-09-13			465	1900	A 2390
45-05-07			179	400	A 193	51-05-02			1560	5400	A 22700
45-05-14	0001		4180	2000	A 22600	51-05-21			2700	1700	A 12400
45-05-14	0002		3910	1800	A 19000	51-05-28			202	300	A 164
45-05-21			211	800	A 456	51-06-12			4660	1100	A 13800
45-05-23			236	700	A 446	52-05-19			1960	4100	A 21700
45-05-28			73	600	A 118	52-05-27			326	100	A 88
45-06-02			89	400	A 96	53-03-31			1050	11200	A 31800
45-06-04			290	700	A 548	53-04-08			309	1800	A 1500
45-06-11			4740	1400	A 17900	53-05-14			208	1400	A 786
45-06-12			6380	1500	A 25800	53-07-08			662	9770	A 17500
45-06-13			10800	1700	A 49600	53-07-14			360	4620	A 4490
45-06-14			6840	1100	A 20300	53-07-17			1010	5920	A 16100
45-06-19			4400	800	A 9500	53-07-21			11900	1040	A 33400
45-06-25	0001		595	800	A 1290	53-07-22			6420	1300	A 22500
45-06-25	0002		506	600	A 820	53-10-27			5000	1540	A 20800
45-07-02			216	200	A 117	54-05-01			4790	3460	A 44700
45-07-04			284	800	A 613	54-05-05			612	1460	A 2410
45-07-12			6090	1400	A 23000	54-05-12			4180	3340	A 37700
45-07-16			352	300	A 285	54-05-14			2540	1040	A 7130
45-07-24			113	100	A 31	54-05-17			325	620	A 544
45-07-30			315	700	A 595	57-01-03			108	1110	A 324
45-08-06			73	100	A 20	57-04-25			4470	2330	A 28100
45-08-13			91	200	A 49	57-05-28			14000	2310	A 87300
45-09-06			26	100	A 7.0	57-11-14			1170	1410	A 4450
45-09-27			3550	2100	A 20100	58-03-11			558	680	A 1020
45-10-01			15300	900	A 37200	58-04-01			650	770	A 1350
45-10-03			9280	1100	A 27600	58-04-21			1600	2030	A 8770
45-10-09			351	300	A 284	58-05-12			727	900	A 1770
45-10-31			108	100	A 29	58-06-17			760	4510	A 9250
46-01-08			492	800	A 1060	58-06-23			6290	2440	A 41400
46-01-17			672	400	A 726	59-04-20			396	1280	A 1370
46-02-08			138	100	A 37	59-05-11			5590	2790	A 42100
46-02-25			334	300	A 271	59-07-27			1850	2200	A 11000
46-03-04			197	100	A 53	59-09-28			1270	1460	A 5010
46-03-21			256	300	A 207	59-10-06			10300	1630	A 45300
46-03-27			3620	3200	A 31300	60-01-12			5460	3970	A 58500
46-03-28			6430	1100	A 19100	60-05-03			639	1210	A 2090
46-04-29			201	700	A 380	60-05-10			611	640	A 1060
46-05-08			1610	1800	A 7820	60-08-22			1840	4060	A 20200
46-05-13			224	200	A 121	60-10-19			914	1960	A 4840
46-05-24			3720	1800	A 18100	60-12-06			1220	3760	A 12400
46-05-28			282	300	A 228	61-03-22			491	1760	A 2330
46-05-29			2370	4000	A 25600	61-04-05			412	610	A 679
46-05-31			6600	800	A 14300	61-05-11			236	430	A 274
46-06-04			673	700	A 1270	61-05-22			1830	7610	A 37600
46-06-11			181	100	A 49	61-07-24			2790	3750	A 28200
46-07-01			5990	900	A 14600	61-09-14			2130	5010	A 28800
46-08-27			1030	4300	A 12000	61-10-02			870	2440	A 5730
46-11-04			717	3400	A 6580	62-03-13			288	1290	A 1000
46-12-16			319	600	A 517	62-05-02			272	670	A 492
47-04-09			1150	3400	A 10600	63-04-03			210	310	A 176
47-04-14			3020	3700	A 30200	63-04-30			993	1350	A 3620
47-04-15			8470	1800	A 41200	64-03-11			215	1410	A 819
47-05-07			235	800	A 508	64-05-12			4770	2370	A 30500
47-05-23			888	1500	A 3600	64-08-27			122	1140	A 376
47-05-28			384	600	A 622	64-11-05			159	1860	A 798
47-06-04			5050	1000	A 13600	64-11-20			4000	1970	A 21300
47-06-17			106	300	A 86	64-11-24			586	890	A 1410
47-06-24			6260	1800	A 30400	65-02-09			679	2660	A 4880
47-07-02			114	400	A 123	65-04-13			264	470	A 335
48-03-16			791	1400	A 2990	66-05-02			289	620	A 484
48-03-25			314	1200	A 1020	67-04-13			5110	3970	A 54800
48-04-01			134	400	A 145	67-04-17			487	1310	A 1720
48-04-26			446	900	A 1080	68-05-10			1060	3940	A 11300
48-05-27			791	3900	A 8330	68-05-13			7700	5900	A 123000
48-06-02			1030	1800	A 5010	68-05-14			15600	1670	A 70300
48-06-22			17200	1900	A 88200	68-05-28			1950	1940	A 10200
48-06-23			19800	2000	A 107000	68-07-02			1390	3130	A 11700
49-05-16			754	2100	A 4280	68-08-15			213	3360	A 1930
49-05-18			17400	2200	A 103000	68-12-03			311	300	A 252
49-05-19			28400	1900	A 146000	68-12-10			95	370	A 95
49-05-27			1710	3600	A 16600	69-01-06			152	240	A 98
49-06-01			365	500	A 493	69-01-31			2370	3390	A 21700
49-06-09			1540	3200	A 13300	69-02-07			256	340	A 235
50-05-08			317	1500	A 1280	69-03-04			315	340	A 289
50-05-14			5150	700	A 9730	69-03-24			1750	1460	A 6900

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

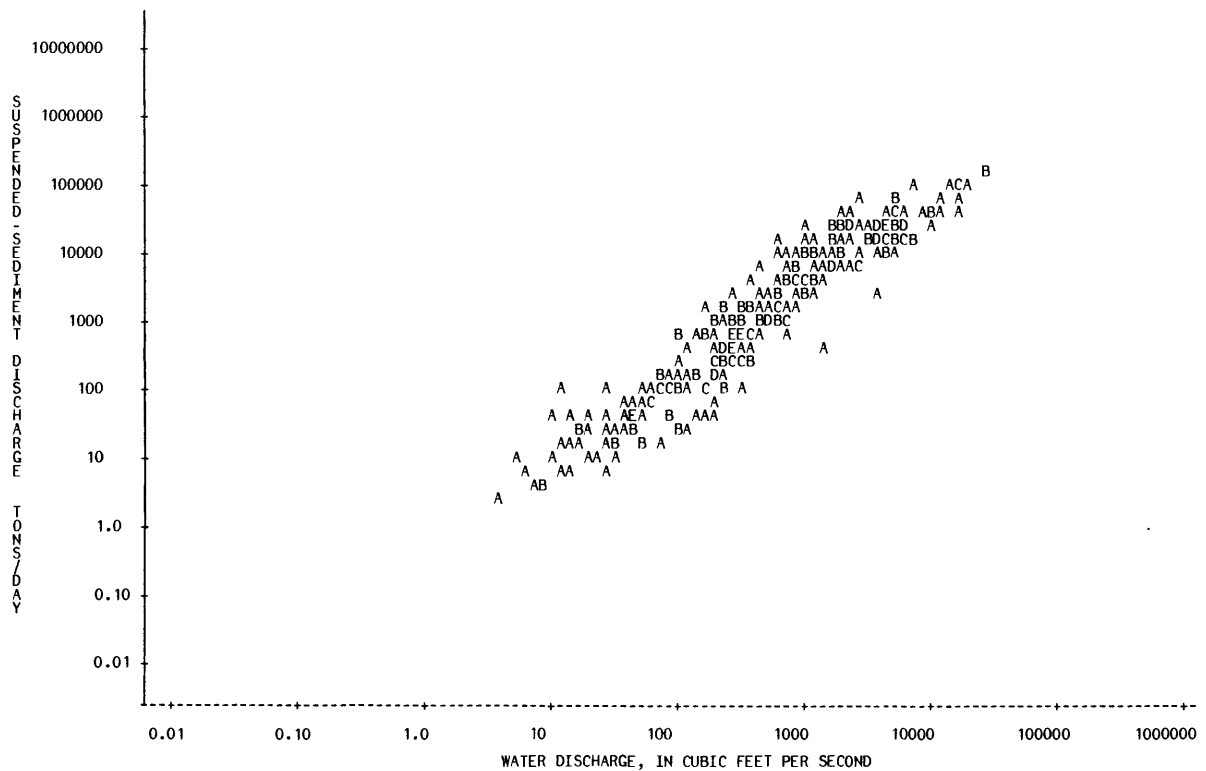
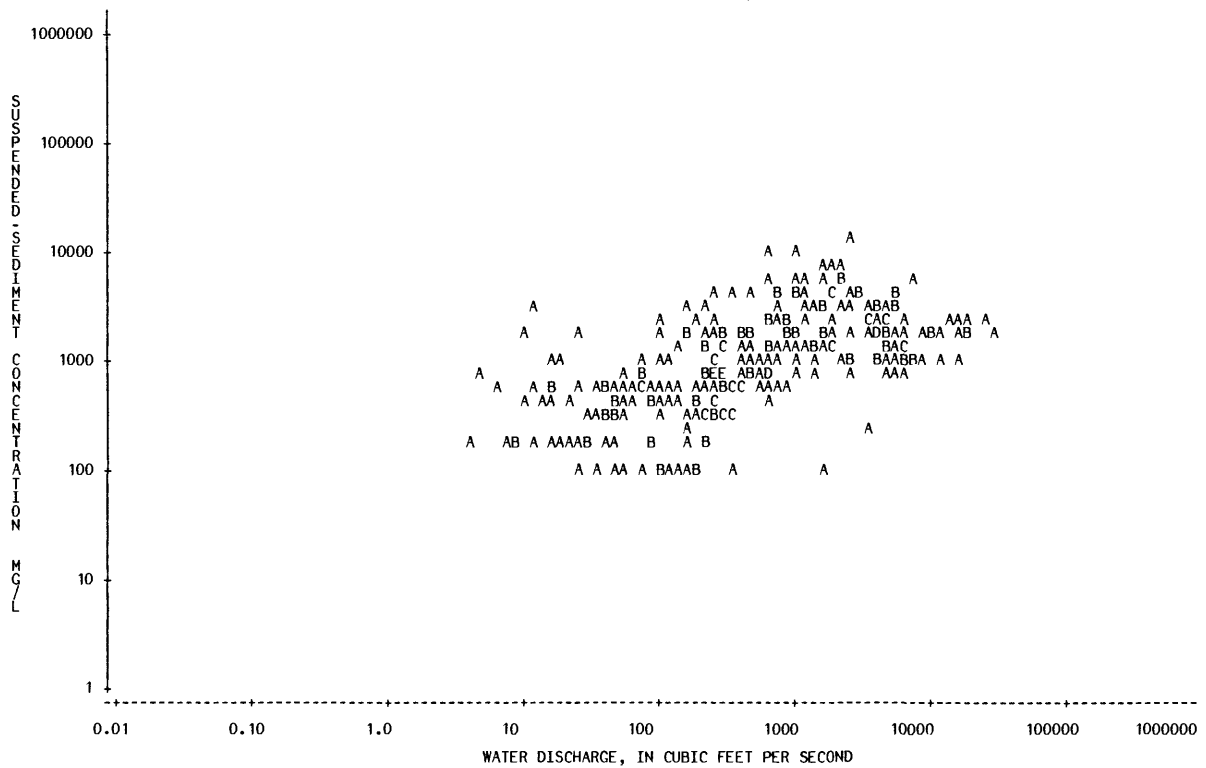
07231000 LITTLE RIVER NEAR SASAKWA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-04-14			196	390	A 206
69-05-06			255	700	A 482
69-10-16			267	1600	A 1150
70-09-23			5340	3280	A 47300
73-01-18			1680	6600	A 29900
73-01-30			218	290	A 171
73-03-06			2270	7200	A 44100
73-03-14	0001		951	890	A 2290
73-03-14	0002		406	1600	A 1750
73-04-04			865	600	A 1400
73-06-27			727	620	A 1220
73-09-19			78	660	A 139
73-10-11			894	2610	A 6300

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07231000 LITTLE RIVER NEAR SASAKWA, OKLA.



## ARKANSAS RIVER BASIN

07231500 CANADIAN RIVER AT CALVIN, OKLA.

LOCATION.--Lat 34°58'32", long 96°14'24", in NE 1/4 SW 1/4 sec.22, T.6 N., R.10 E., Hughes County, Hydrologic Unit 11090202, near left bank on downstream side of pier of bridge on old U.S. Highway 75, 0.5 mi (0.8 km) northeast of Calvin, 2.4 mi (3.9 km) upstream from Shawnee Creek, 8.5 mi (13.7 km) downstream from Little River, and at mile 93.9 (151.1 km).

DRAINAGE AREA.--27,952 mi<sup>2</sup> (72,396 km<sup>2</sup>), of which 4,801 mi<sup>2</sup> (12,435 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1930-31, 1938-42, 1944-80.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico and Lake Meredith in Texas since 1964. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-10-30			573	7400	A 11400	31-06-08			1510	14600	A 59500
30-11-03			370	3000	A 3000	31-06-12			1280	11500	A 39700
30-11-08			276	3000	A 2240	31-06-17			1060	11200	A 32100
30-11-11			229	1100	A 680	31-06-19			370	500	A 499
30-11-14			135	1100	A 401	31-06-27			229	500	A 309
30-11-17			117	1100	A 347	31-07-07			27	500	A 36
30-11-20			1730	3800	A 17700	31-07-13			9.0	500	A 12
30-11-22			840	4800	A 10900	31-07-25			135	900	A 328
30-11-26			370	3700	A 3700	31-07-29			81	1000	A 219
30-11-28			276	4400	A 3280	31-08-06			45	200	A 24
30-12-08			1950	7600	A 40000	31-08-17			63	6200	A 1050
30-12-12			558	3600	A 5420	31-09-02			63	600	A 102
30-12-17			370	1800	A 1800	38-06-15			7390	8000	A 160000
30-12-20			135	1700	A 620	38-07-06			2560	24100	A 167000
30-12-23			135	1700	A 620	38-08-01			2470	11200	A 74700
30-12-30			135	2600	A 948	39-08-01			144	200	A 78
31-01-05			135	1600	A 583	39-08-29			208	3400	A 1910
31-01-09			99	1700	A 454	40-03-01			295	1600	A 1270
31-01-12			117	1600	A 505	40-06-27			374	1100	A 1110
31-01-15			135	1700	A 620	40-07-03			14500	18800	A 736000
31-01-19			99	600	A 160	40-07-04			17200	23100	A 1070000
31-01-22			81	1000	A 219	40-07-05			7470	12700	A 256000
31-01-26			81	500	A 109	40-07-06			8120	7400	A 162000
31-01-30			63	500	A 85	40-07-07			2660	3300	A 23700
31-02-04			45	600	A 73	40-07-08			868	1900	A 4450
31-02-07			45	2800	A 340	40-07-10			415	5800	A 6500
31-02-10			370	2300	A 2300	40-07-12			5410	10200	A 149000
31-02-13			276	2600	A 1940	40-07-13			3200	6000	A 51800
31-02-16			229	2800	A 1730	40-07-15			615	1900	A 3150
31-02-20			370	2800	A 2800	40-07-29			183	200	A 99
31-02-24			652	2700	A 4750	40-08-16			3460	11700	A 109000
31-03-04			558	7100	A 10700	40-08-19			1360	3600	A 13200
31-03-06			746	1600	A 3220	40-09-04			316	1700	A 1450
31-03-11			558	900	A 1360	40-09-07			582	2300	A 3610
31-03-16			652	1300	A 2290	40-09-10			204	1500	A 826
31-03-20			2930	10300	A 81500	40-11-21			3030	6200	A 50700
31-03-21			3910	7100	A 75000	40-11-25			8610	7700	A 179000
31-03-22			4400	12600	A 150000	40-11-29			1600	4600	A 19900
31-03-26			1950	12800	A 67400	40-12-02			2520	16000	A 109000
31-03-29			1510	8100	A 33000	40-12-03			1280	12100	A 41800
31-04-03			370	2700	A 2700	40-12-10			229	1100	A 680
31-04-08			370	1400	A 1400	40-12-17			764	2500	A 5160
31-04-13			558	1300	A 1960	40-12-23			288	700	A 544
31-04-16			558	1400	A 2110	40-12-30			740	2700	A 5390
31-04-20			370	800	A 799	41-01-06			383	800	A 827
31-04-23			370	2500	A 2500	41-01-20			378	1600	A 1630
31-04-26			1060	1300	A 3720	41-01-28			281	1300	A 986
31-04-30			1510	1300	A 5300	41-02-03			2350	4500	A 28600
31-05-05			1950	1100	A 5790	41-02-20			5240	8600	A 122000
31-05-09			3420	1200	A 11100	41-02-25			2020	2600	A 14200
31-05-13			1950	1200	A 6320	41-02-27			1520	2400	A 9850
31-05-18			1060	20700	A 59200	41-03-03			559	400	A 604
31-05-22			746	2000	A 4030	41-03-11			464	1200	A 1500

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-03-20			212	800	A 458	44-08-02			467	900	A 1130
41-04-08			2700	7700	A 56100	44-08-15			14	100	A 3.8
41-04-09			813	14900	A 32700	44-08-31			1240	2400	A 8040
41-04-15			7840	9800	A 207000	44-09-07			475	1900	A 2440
41-04-16			10200	9800	A 270000	44-09-15			496	2200	A 2950
41-04-19			16300	18900	A 832000	44-09-20			112	400	A 121
41-04-20			8460	15500	A 354000	44-09-25			27	300	A 22
41-04-22			7730	7900	A 165000	44-10-04			17900	18700	A 904000
41-04-23			2720	10000	A 73400	44-10-05			5610	5400	A 81800
41-04-26			981	2400	A 6360	44-10-10			1130	3200	A 9760
41-05-06			26400	54800	A 3910000	44-10-17			194	300	A 157
41-05-07			15000	36100	A 1460000	44-10-24			78	100	A 21
41-05-08			12200	29800	A 982000	44-10-30			44	100	A 12
41-05-09			8420	24500	A 557000	44-11-06			35	100	A 9.4
41-05-14			4580	17800	A 220000	44-11-11			315	700	A 595
41-05-16			2380	9000	A 57800	44-11-13			184	300	A 149
41-05-20			1040	6900	A 19400	44-11-21			175	100	A 47
41-05-26			29100	48600	A 3820000	44-11-28			505	1200	A 1640
41-05-27			32400	54600	A 4780000	44-12-09			1180	1600	A 5100
41-05-31			5800	30300	A 474000	44-12-19			332	2900	A 2600
41-06-02			23200	29900	A 1870000	44-12-28			346	600	A 561
41-06-03			28400	44800	A 3440000	45-01-03			324	600	A 525
41-06-07			36200	37200	A 3640000	45-01-08			291	500	A 393
41-06-11			49700	26400	A 3540000	45-01-16			259	300	A 210
41-06-16			5960	17900	A 288000	45-01-23			934	900	A 2270
41-06-21			3550	16600	A 159000	45-01-30			1460	3200	A 12600
41-07-03			7310	15200	A 300000	45-02-06			476	800	A 1030
41-07-09			9420	30100	A 766000	45-02-13			424	700	A 801
41-07-14			1040	6400	A 18000	45-02-21			5020	3600	A 48800
41-07-17			7740	23100	A 483000	45-02-22			4940	7500	A 100000
41-07-18			12100	28900	A 944000	45-03-01			1420	1200	A 4600
41-07-24			5480	41800	A 618000	45-03-05			9150	7000	A 173000
41-07-28			39100	46600	A 4920000	45-03-07			8140	17100	A 376000
41-07-29			15600	44600	A 1880000	45-03-12			12000	11500	A 373000
41-07-30			8990	42100	A 1020000	45-03-15			35500	15100	A 1450000
41-08-22			514	2900	A 4020	45-03-16			13400	9300	A 336000
41-08-25			6810	31600	A 581000	45-03-19			24000	13400	A 868000
41-09-10			11600	11100	A 348000	45-04-02			6230	5400	A 90800
41-09-13			2300	7400	A 46000	45-04-09			819	100	A 221
41-09-16			655	3000	A 5310	45-04-14			29900	20000	A 1610000
41-09-22			437	2600	A 3070	45-04-15			17000	10000	A 459000
41-09-26			51900	74100	A10400000	45-04-15	0001		38600	14400	A 1500000
41-09-29			11200	55000	A 1660000	45-04-17	0001		41600	8900	A 1000000
41-10-05			33000	21700	A 1930000	45-04-17	0002		36800	9400	A 934000
41-10-06			24600	21000	A 1390000	45-04-18			18600	8800	A 442000
41-10-07			28900	29800	A 2330000	45-04-23			2404	1700	A 11000
41-10-08			22800	23600	A 1450000	45-04-30			1420	900	A 3450
41-10-09			14800	22900	A 915000	45-05-07			585	600	A 948
41-10-14			2860	7400	A 57100	45-05-14			7160	3200	A 61900
41-10-16			20100	12900	A 700000	45-05-15			6980	5300	A 99900
41-10-18			11400	5700	A 175000	45-05-21			756	600	A 1220
41-10-21			3320	8800	A 78900	45-05-28			294	100	A 79
41-10-24			10100	18100	A 494000	45-06-04			688	2700	A 5020
41-10-25			34300	27300	A 2530000	45-06-08			11900	7500	A 241000
41-11-03			15800	9400	A 401000	45-06-09			7450	8300	A 167000
41-11-06			7250	18100	A 354000	45-06-11			10300	6200	A 172000
41-11-12			6960	10900	A 205000	45-06-12			37100	16500	A 1650000
41-11-21			1800	3000	A 14600	45-06-18			15400	7800	A 324000
41-12-02			1510	2000	A 8150	45-06-22			11200	6200	A 187000
41-12-08			774	800	A 1670	45-06-28			1670	1900	A 8570
41-12-14			2630	700	A 4970	45-07-11			26000	6800	A 477000
42-01-14			911	2100	A 5170	45-07-12			11900	6500	A 209000
42-01-23			1610	2400	A 10400	45-07-17			1700	2400	A 11000
42-02-17			2440	3100	A 20400	45-07-23			445	800	A 961
42-03-16			767	1200	A 2490	45-07-28			6520	4700	A 82700
42-04-01			407	500	A 549	45-07-31			807	900	A 1960
42-04-08			33200	16500	A 1480000	45-08-09			590	700	A 1120
42-04-10			20900	4200	A 237000	45-08-21			320	300	A 259
42-04-13			2650	3000	A 21500	45-08-27			384	300	A 311
42-04-17			1200	900	A 2920	45-09-04			197	400	A 213
42-04-20			24900	13000	A 874000	45-09-17			58	300	A 47
42-04-22			14700	4600	A 183000	45-09-24			48	400	A 52
42-04-23			8980	3400	A 82400	45-09-27	0001		17300	11200	A 523000
42-04-26			26800	31700	A 2290000	45-09-27	0002		21300	10500	A 604000
42-04-27			16700	11000	A 496000	45-09-29	0001		36600	11400	A 1130000
42-05-05			11900	25100	A 806000	45-09-29	0002		34100	9800	A 902000
42-05-21			1140	2300	A 7080	45-10-01			31000	13400	A 1120000
42-05-27			2540	8000	A 54900	45-10-02			18300	8500	A 420000
42-06-03			254	8000	A 5490	45-10-04			10700	4000	A 116000
42-06-10			17600	8400	A 399000	45-10-08			2430	4600	A 30200
42-06-11			29500	26100	A 2080000	45-10-18			630	300	A 510
42-06-12			17300	17500	A 817000	45-10-23			710	400	A 767
42-06-15			3520	6100	A 58000	45-11-02			420	300	A 340
42-06-23			14200	6100	A 234000	45-11-08			313	200	A 169
42-06-24			6860	600	A 11100	45-11-14			393	400	A 424
42-06-30			3110	21300	A 179000	45-11-20			304	300	A 246
42-07-25			299	700	A 565	45-11-26			280	200	A 151
42-08-18			1580	1700	A 7250	45-12-03			285	300	A 231
42-09-09			17900	29000	A 1400000	45-12-10			258	400	A 279

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-12-17			256	400	A 276	47-09-30			48	700	A 91
46-01-06			11700	12600	A 398000	47-10-07			26	200	A 14
46-01-07			5830	3800	A 59800	47-10-20			20	300	A 16
46-01-11			3970	7500	A 80400	47-11-20			209	400	A 226
46-01-14			1170	2300	A 7270	47-11-25			272	700	A 514
46-01-22			1090	1800	A 5300	47-12-02			98	100	A 26
46-02-07			668	1200	A 2160	47-12-09			514	1200	A 1670
46-02-11			470	600	A 761	47-12-16			196	500	A 265
46-02-18			14900	8100	A 326000	47-12-23			123	200	A 66
46-02-19			11800	6200	A 198000	48-01-06			360	500	A 486
46-02-25			1440	800	A 3110	48-01-13			241	200	A 130
46-03-06			1010	1300	A 3550	48-01-20			127	200	A 69
46-03-20			727	600	A 1180	48-01-28			66	100	A 18
46-03-25			2100	3800	A 21500	48-02-04			273	400	A 295
46-03-28			11700	7400	A 234000	48-02-10			320	500	A 432
46-04-05			698	200	A 377	48-02-17			540	1200	A 1750
46-04-11			600	100	A 162	48-02-25			2570	7700	A 53400
46-04-22			444	300	A 360	48-02-27			12000	9700	A 314000
46-04-29			759	1400	A 2870	48-03-02			13700	16800	A 621000
46-05-07			1240	2400	A 8040	48-03-09			1200	2100	A 6800
46-05-13			525	500	A 709	48-03-17			2550	3000	A 20700
46-05-24			9440	10500	A 268000	48-03-25			2030	1100	A 6030
46-05-28			758	700	A 1430	48-03-31			630	1100	A 1870
46-06-01			17300	10200	A 476000	48-04-06			308	400	A 333
46-06-04			5330	9500	A 137000	48-04-14			197	200	A 106
46-06-21			214	200	A 116	48-04-20			129	100	A 35
46-07-03			8010	6000	A 130000	48-04-27			1760	2400	A 11400
46-07-12			283	300	A 229	48-05-12			4770	5300	A 68300
46-07-16			165	1000	A 445	48-05-20			388	600	A 629
46-07-23			67	1000	A 181	48-05-28			1360	1700	A 6240
46-08-07			56	1200	A 181	48-06-02			3280	4700	A 41600
46-08-21			12	1300	A 42	48-06-08			251	200	A 136
46-08-27			4380	4000	A 47300	48-06-17			524	1900	A 2690
46-08-29			813	2800	A 6150	48-06-21			6490	22500	A 394000
46-09-04			144	300	A 117	48-06-22			11200	9800	A 296000
46-09-10			213	900	A 518	48-06-23			32000	8800	A 760000
46-09-17			59	300	A 48	48-06-24			135500	18300	A 6700000
46-09-27			2590	23100	A 162000	48-06-25			33400	8500	A 767000
46-09-30			672	10600	A 19200	48-06-26			23800	11400	A 733000
46-10-08			207	1800	A 1010	48-07-01			3930	9100	A 96600
46-10-09	0001		33800	48200	A 4400000	48-07-07			3030	3200	A 26200
46-10-09	0002		26900	37500	A 2720000	48-07-13			2470	3700	A 24700
46-10-10	0001		8630	20800	A 485000	48-07-22			285	400	A 308
46-10-10	0002		7650	22100	A 456000	48-07-28			949	900	A 2310
46-10-11	0001		37900	49500	A 5070000	48-08-03			264	100	A 71
46-10-11	0002		28300	43500	A 3320000	48-08-10			272	100	A 73
46-10-14			3640	17600	A 173000	48-08-24			1230	8900	A 29600
46-10-22			632	4700	A 8020	48-09-02			255	900	A 620
46-10-30			212	1000	A 572	48-09-08			66	400	A 71
46-11-04			2220	4500	A 27000	48-09-21			28	200	A 15
46-11-13			863	3400	A 7920	48-09-28			27	100	A 7.3
46-11-26			427	800	A 922	48-10-05			19	100	A 5.1
46-12-03			277	700	A 524	48-10-13			18	100	A 4.9
46-12-12			21200	9600	A 550000	48-10-19			36	100	A 9.7
46-12-19			932	2000	A 5030	48-11-03			49	100	A 13
47-01-02			293	3500	A 2770	48-11-09			200	1000	A 540
47-01-10			673	1100	A 2000	48-11-16			191	800	A 413
47-01-15			583	1600	A 2520	48-11-22			100	200	A 54
47-01-24			580	1100	A 1720	48-11-30			100	700	A 189
47-01-29			462	1100	A 1370	48-12-08			121	300	A 98
47-02-05			265	800	A 572	48-12-21			150	300	A 121
47-02-11			212	600	A 343	48-12-28			121	400	A 131
47-02-18			221	300	A 179	49-01-05			96	200	A 52
47-02-25			183	200	A 99	49-01-13			133	100	A 36
47-03-05			208	600	A 337	49-01-20			248	300	A 201
47-03-20			640	1300	A 2250	49-02-07			2960	4800	A 38400
47-03-26			294	500	A 397	49-02-15			9770	11400	A 301000
47-04-02			182	200	A 98	49-02-23			2310	4000	A 24900
47-04-12			7360	5200	A 103000	49-03-01			1130	700	A 2140
47-04-16			20600	7300	A 406000	49-03-08			944	1600	A 4080
47-04-28			9230	5900	A 147000	49-03-15			541	800	A 1170
47-05-09			695	400	A 751	49-03-21			5890	5900	A 93800
47-05-12			40400	13500	A 1470000	49-03-28			1600	2200	A 9500
47-05-13			26000	11700	A 821000	49-04-05			930	1400	A 3520
47-05-14			13900	7900	A 296000	49-04-12			2540	3000	A 20600
47-05-21			18000	6600	A 321000	49-04-19			396	200	A 214
47-05-29			7310	9900	A 195000	49-04-26			570	700	A 1080
47-06-04			9950	3900	A 105000	49-05-02			11300	7200	A 220000
47-06-11			1340	2800	A 10100	49-05-09			14400	15200	A 591000
47-06-26			8210	4300	A 95300	49-05-11			5990	11500	A 186000
47-07-09			496	300	A 402	49-05-18			139000	28300	A 10600000
47-07-23			392	800	A 847	49-05-19			37800	15200	A 1550000
47-07-29			618	1100	A 1840	49-05-21			51300	18000	A 2490000
47-08-06			97	500	A 131	49-05-23			12600	20300	A 691000
47-08-22			38	300	A 31	49-05-31			4180	5700	A 64300
47-08-26			39	300	A 32	49-06-07			8100	16200	A 354000
47-09-03			30	300	A 24	49-06-16			8020	14600	A 316000
47-09-10			15	300	A 12	49-06-21			1500	6900	A 27900
47-09-23			324	300	A 262	49-06-29			3460	19700	A 184000

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

359

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-07-07			1200	4200	A 13600	51-05-16			227	400	A 245
49-07-12			198	400	A 214	51-05-18			77700	25800	A 5410000
49-07-21			3650	26800	A 264000	51-05-19			59700	31500	A 5080000
49-07-26			571	12400	A 19100	51-05-20			40200	28900	A 3140000
49-08-03			281	900	A 683	51-05-21			24000	19800	A 1280000
49-08-09			67	300	A 54	51-05-22			20200	13300	A 725000
49-08-16			497	3000	A 4030	51-05-28			10100	13300	A 363000
49-08-24			127	200	A 69	51-05-29			4340	3900	A 45700
49-08-30			37	200	A 20	51-06-05			1210	1200	A 3920
49-09-07			250	1000	A 675	51-06-11			13700	6600	A 244000
49-09-16			2480	1700	A 11400	51-06-12			25300	8400	A 574000
49-09-21			371	1800	A 1800	51-06-13			6060	6400	A 105000
49-09-27			168	900	A 408	51-06-18			3780	5700	A 58200
49-10-04			1350	1900	A 6930	51-06-25			2290	2900	A 17900
49-10-12			278	100	A 75	51-07-05			810	3100	A 6780
49-10-19			41	200	A 22	51-07-11			187	300	A 151
49-11-01			289	400	A 312	51-07-16			93	300	A 75
49-11-08			121	200	A 65	51-07-24			458	900	A 1110
49-11-15			134	300	A 109	51-08-01			160	800	A 346
49-11-22			105	300	A 85	51-08-08			47	300	A 38
49-11-29			130	200	A 70	51-08-17			82	400	A 89
49-12-07			111	100	A 30	51-08-22			27	200	A 15
49-12-13			195	100	A 53	51-08-29			8.0	100	A 2.2
49-12-21			157	200	A 85	51-09-05			12	100	A 3.2
50-01-10			2210	1300	A 7760	51-09-10			454	1400	A 1720
50-01-18			576	700	A 1090	51-09-20			93	300	A 75
50-02-02			372	600	A 603	51-09-28			15	400	A 16
50-02-08			274	300	A 222	51-10-03			9.0	400	A 9.7
50-02-15			1520	1600	A 6570	51-10-10			17	100	A 4.6
50-02-21			495	400	A 535	51-10-19			7.0	300	A 5.7
50-02-28			293	400	A 316	51-10-31			288	700	A 544
50-03-08			232	200	A 125	51-11-07			84	300	A 68
50-03-13			319	300	A 258	51-11-16			80	200	A 43
50-03-20			158	200	A 85	51-11-23			107	500	A 144
50-03-28			102	100	A 28	51-11-29			131	300	A 106
50-04-05			74	200	A 40	51-12-03			99	100	A 27
50-04-13			55	100	A 15	51-12-11			94	100	A 25
50-04-18			185	100	A 50	51-12-19			82	100	A 22
50-04-24			125	100	A 34	51-12-28			74	300	A 60
50-05-02			215	700	A 406	52-01-04			102	300	A 83
50-05-10			50400	15000	A 2040000	52-01-09			102	300	A 83
50-05-11			58600	22800	A 3610000	52-01-17			197	200	A 106
50-05-22			1040	1100	A 3090	52-01-22			280	400	A 302
50-05-31			2370	1500	A 9600	52-01-30			110	200	A 59
50-06-12			3380	2400	A 21900	52-02-07			107	200	A 58
50-06-19			213	200	A 115	52-02-12			78	200	A 42
50-06-26			431	600	A 698	52-02-20			125	200	A 67
50-07-05			5750	5600	A 86900	52-02-29			384	400	A 415
50-07-10			31500	11400	A 970000	52-03-03			2590	2900	A 20300
50-07-17			1540	9500	A 39500	52-03-13			731	700	A 1380
50-07-24			30400	14000	A 1150000	52-03-19			1280	1400	A 4840
50-08-02			23200	37000	A 2320000	52-03-26			201	600	A 326
50-08-03			10800	17700	A 516000	52-03-31			217	200	A 117
50-08-08			3250	11500	A 101000	52-04-07			157	100	A 42
50-08-22			1950	2800	A 14700	52-04-15			529	900	A 1290
50-08-31			462	500	A 624	52-04-21			7400	6200	A 124000
50-09-06			1020	2700	A 7440	52-05-05			515	700	A 973
50-09-13			4560	4400	A 54200	52-05-14			113	200	A 61
50-09-18			4580	7000	A 86600	52-05-20			2900	2400	A 18800
50-09-25			648	700	A 1220	52-05-28			1060	100	A 286
50-10-04			1780	5400	A 26000	52-06-02			3820	500	A 5160
50-10-11			550	1200	A 1780	52-06-11			177	200	A 96
50-10-17			218	300	A 177	52-06-16			77	100	A 21
50-10-27			156	400	A 168	52-06-24			20	500	A 27
50-11-03			141	200	A 76	52-06-30			14	400	A 15
50-11-10			134	100	A 36	52-07-08			10.0	100	A 2.7
50-11-15			134	200	A 72	52-07-16			4370	7600	A 89700
50-11-28			130	100	A 35	52-07-21			223	600	A 361
50-12-07			104	200	A 56	52-07-30			15	200	A 8.1
50-12-15			164	200	A 89	52-08-04			9.0	300	A 7.3
50-12-20			161	100	A 43	52-08-11			126	400	A 136
50-12-27			149	200	A 80	52-08-18			7.0	400	A 7.6
51-01-02			245	500	A 331	52-08-25			6.0	300	A 4.9
51-01-11			242	300	A 196	52-09-04			1.0	200	A 0.54
51-01-24			484	800	A 1050	52-09-09			1.0	300	A 0.81
51-01-31			95	300	A 77	52-09-16			1.0	200	A 0.54
51-02-08			373	400	A 403	52-09-24			5.0	400	A 5.4
51-02-19			1670	2000	A 9020	52-10-02			1.0	300	A 0.81
51-02-28			836	500	A 1130	52-10-10			1.0	100	A 0.27
51-03-09			457	500	A 617	52-10-15			1.0	100	A 0.27
51-03-13			2400	3300	A 21400	52-10-23			2.0	200	A 1.1
51-03-19			449	6500	A 7880	52-10-27			2.0	100	A 0.54
51-03-29			262	300	A 212	52-11-04			1.0	200	A 0.54
51-04-05			206	500	A 278	52-11-10			2.0	100	A 0.54
51-04-09			291	200	A 157	52-11-24			67	200	A 36
51-04-18			123	300	A 100	52-12-04			46	500	A 62
51-04-23			665	300	A 539	52-12-09			30	200	A 16
51-05-01			225	300	A 182	52-12-15			22	300	A 18
51-05-09			285	500	A 385	52-12-23			90	500	A 121

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
52-12-30			35	400	A	54-08-16			2.0	580	A
53-01-06			31	400	A	54-10-04			80	330	A
53-01-14			34	200	A	54-10-11			3.0	330	A
53-01-20			24	300	A	54-10-19			182	20700	A
53-01-28			67	400	A	54-10-27			21	3970	A
53-02-03			35	300	A	54-11-01			17	850	A
53-02-10			32	300	A	54-11-09			12	350	A
53-02-19			28	400	A	54-11-15			10.0	250	A
53-02-24			51	500	A	54-11-22			6.0	3170	A
53-03-04			98	800	A	54-12-01			5.0	310	A
53-03-09			163	500	A	54-12-09			6.0	370	A
53-03-16			479	1200	A	54-12-15			82	420	A
53-03-23			135	500	A	54-12-21			7.0	560	A
53-04-02			420	1000	A	54-12-28			182	1100	A
53-04-13			200	500	A	55-01-04			162	440	A
53-04-20			172	400	A	55-01-10			106	260	A
53-04-24			11200	6900	A	55-01-18			116	240	A
53-04-28			1600	2100	A	55-01-25			66	350	A
53-05-07			90	200	A	55-01-31			37	240	A
53-05-14			658	1100	A	55-02-08			157	960	A
53-05-19			820	1000	A	55-02-15			91	390	A
53-06-01			32	200	A	55-02-21			198	450	A
53-06-10			111	300	A	55-02-28			66	210	A
53-06-18			12	100	A	55-03-07			38	260	A
53-06-25			10.0	100	A	55-03-21			3100	5660	A
53-07-01			6.0	100	A	55-03-30			68	250	A
53-07-07			2.0	290	A	55-04-04			120	580	A
53-07-13			3200	10800	A	55-04-12			83	190	A
53-07-20			39000	12900	A	55-04-18			50	290	A
53-07-22			10400	3300	A	55-04-26			27	130	A
53-07-28			1640	2080	A	55-05-03			68	190	A
53-08-06			638	670	A	55-05-06			3840	15900	A
53-08-11			75	140	A	55-05-09			849	16100	A
53-08-19			7050	6650	A	55-05-17			725	5810	A
53-08-24			199	460	A	55-05-20			30600	7290	A
53-08-31			471	8990	A	55-05-21			33000	12500	A
53-09-04			849	2110	A	55-05-22			16500	6010	A
53-09-10			144	660	A	55-05-23			16000	9470	A
53-09-16			34	210	A	55-05-24			33200	24700	A
53-09-22			62	160	A	55-05-25			7820	18300	A
53-10-01			15	260	A	55-06-03			354	1630	A
53-10-13			30	460	A	55-06-10			1600	5380	A
53-10-21			633	12700	A	55-06-22			2100	3350	A
53-10-26			16100	5680	A	55-06-27			934	8400	A
53-11-02			826	2620	A	55-07-05			400	5130	A
53-11-09			376	620	A	55-07-11			314	1170	A
53-11-18			178	390	A	55-07-18			255	3130	A
53-11-23			1300	4010	A	55-07-25			39	200	A
53-12-02			246	510	A	55-08-01			334	740	A
53-12-09			432	850	A	55-08-08			294	1790	A
53-12-15			238	500	A	55-08-15			1070	4860	A
53-12-22			191	420	A	55-08-24			414	3400	A
53-12-28			174	330	A	55-09-07			25	100	A
54-01-04			148	270	A	55-09-13			366	350	A
54-01-14			114	270	A	55-09-19			17	50	A
54-01-19			192	370	A	55-09-28			4090	4150	A
54-01-25			230	380	A	55-10-04			13100	13100	A
54-02-02			166	260	A	55-10-05			21700	8840	A
54-02-10			176	220	A	55-10-06			20700	10900	A
54-02-16			122	220	A	55-10-07			6500	6870	A
54-02-24			202	330	A	55-10-11			822	3050	A
54-03-02			89	180	A	55-10-18			204	290	A
54-03-11			82	220	A	55-10-25			92	140	A
54-03-16			59	210	A	55-11-01			64	120	A
54-03-25			281	350	A	55-11-07			48	220	A
54-03-29			232	530	A	55-11-15			47	130	A
54-04-06			81	440	A	55-11-21			37	140	A
54-04-13			131	320	A	55-11-28			34	210	A
54-04-19			119	250	A	55-12-07			62	270	A
54-04-28			212	490	A	55-12-12			57	230	A
54-05-01			10000	27200	A	55-12-19			48	320	A
54-05-02			26100	12900	A	55-12-28			54	310	A
54-05-03			19400	7160	A	56-01-06			43	270	A
54-05-05			2720	2890	A	56-01-10			43	260	A
54-05-10			8790	1960	A	56-01-16			38	300	A
54-05-17			2220	1780	A	56-01-24			150	270	A
54-05-24			2550	5650	A	56-01-30			110	370	A
54-05-26			20600	10700	A	56-02-08			177	270	A
54-06-01			3300	9110	A	56-02-14			288	320	A
54-06-07			189	960	A	56-02-23			330	480	A
54-06-14			118	320	A	56-02-28			149	230	A
54-06-21			215	910	A	56-03-06			68	180	A
54-06-28			51	180	A	56-03-13			40	280	A
54-07-07			54	180	A	56-03-19			39	320	A
54-07-14			30	200	A	56-03-26			65	330	A
54-07-22			6.0	220	A	56-04-03			31	430	A
54-07-26			40	250	A	56-04-09			67	330	A
54-08-02			38	290	A	56-04-16			30	400	A
54-08-09			24	6280	A	56-04-23			10.0	450	A

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

361

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
56-05-01			400	400	A 432	57-11-19			782	640	A 1350
56-05-07			62	160	A 27	57-11-27			388	560	A 587
56-05-14			10.0	270	A 7.3	57-12-02			292	490	A 386
56-05-22			9.0	200	A 4.9	57-12-11			221	340	A 203
56-05-26			7450	7000	A 141000	57-12-16			224	250	A 151
56-05-27			1540	4620	A 19200	57-12-23			198	310	A 166
56-05-28			687	2940	A 5450	58-01-02			262	230	A 163
56-06-05			1470	14100	A 56000	58-01-06			206	370	A 206
56-06-11			279	4150	A 3130	58-01-13			281	290	A 220
56-06-18			30	200	A 16	58-01-20			2800	1150	A 8690
56-06-25			268	590	A 427	58-01-27			713	630	A 1210
56-07-03			18	230	A 11	58-02-03			521	480	A 675
56-07-09			6.0	160	A 2.6	58-02-11			484	270	A 353
56-07-17			6.0	150	A 2.4	58-02-17			330	250	A 223
56-07-23			23	240	A 15	58-02-25			342	280	A 259
56-11-06			370	2370	A 2370	58-03-04			316	410	A 350
56-11-15			13	240	A 8.4	58-03-10			1840	1570	A 7800
56-11-20			54	1520	A 222	58-03-18			2440	6330	A 41700
56-11-27			7.0	110	A 2.1	58-03-24			3880	4580	A 48000
56-12-03			3.0	140	A 1.1	58-03-31			3560	3660	A 35200
56-12-11			94	630	A 160	58-04-07			731	900	A 1780
56-12-19			21	240	A 14	58-04-15			1390	830	A 3110
56-12-28			43	1110	A 129	58-04-22			4980	5890	A 79200
57-01-02			19	100	A 5.1	58-04-28			1080	1240	A 3620
57-01-07			25	180	A 12	58-05-02			5290	2570	A 36700
57-01-15			16	170	A 7.3	58-05-05			3270	2120	A 18700
57-01-18			21	170	A 9.6	58-05-14			934	570	A 1440
57-01-21			22	100	A 5.9	58-05-21			763	530	A 1090
57-01-22			1180	2210	A 7040	58-05-26			2720	7820	A 57400
57-01-30			205	390	A 216	58-06-02			3710	21000	A 210000
57-02-04			127	410	A 141	58-06-11			383	3580	A 3700
57-02-12			70	160	A 30	58-06-16			4180	5040	A 56900
57-02-19			57	240	A 37	58-06-22			35600	15000	A 1440000
57-02-25			56	210	A 32	58-06-23			21300	17200	A 989000
57-03-04			152	420	A 172	58-07-03			550	2460	A 3650
57-03-06			2390	4940	A 31900	58-07-08			432	970	A 1130
57-03-12			102	370	A 102	58-07-14			1920	11700	A 60700
57-03-19			410	860	A 952	58-07-21			332	1650	A 1480
57-03-25			294	500	A 397	58-07-25			10300	27000	A 751000
57-04-01			2990	6730	A 54300	58-07-28			2810	11800	A 89500
57-04-02			3080	5730	A 47700	58-08-08			1920	8800	A 45600
57-04-03			18800	18200	A 924000	58-08-11			1860	4720	A 23700
57-04-04			13700	9780	A 362000	58-08-15			298	780	A 628
57-04-08			1430	6000	A 23200	58-08-21			38900	14600	A 1530000
57-04-09			971	3610	A 9460	58-08-22			20200	8130	A 443000
57-04-17			285	640	A 492	58-08-25			1280	980	A 3390
57-04-22			16800	5180	A 235000	58-09-08			221	2960	A 1770
57-04-23			31900	22200	A 1910000	58-09-17			1230	12500	A 41500
57-04-24			20500	13100	A 725000	58-09-23			620	3860	A 6460
57-04-25			11700	11400	A 360000	58-10-02			218	1190	A 700
57-04-26			19700	8780	A 467000	58-10-07			121	430	A 140
57-05-02			13100	13200	A 467000	58-10-14			85	230	A 53
57-05-03			8440	17700	A 403000	58-10-20			54	230	A 34
57-05-06			6340	16200	A 277000	58-10-28			31	210	A 18
57-05-14			20400	18100	A 997000	58-11-03			38	160	A 16
57-05-15			6840	3820	A 70500	58-11-12			40	190	A 21
57-05-18			102000	10000	A 2750000	58-11-17			220	690	A 410
57-05-19			37500	16100	A 1630000	58-11-28			78	220	A 46
57-05-23			23500	8450	A 536000	58-12-01			112	130	A 39
57-05-25	0001		38800	11500	A 1200000	58-12-09			113	240	A 73
57-05-25	0002		99500	14800	A 3980000	58-12-16			83	170	A 38
57-06-03			21500	12400	A 720000	58-12-18			131	340	A 120
57-06-05			21900	10500	A 621000	58-12-23			114	270	A 83
57-06-13			2420	5780	A 37800	58-12-30			103	190	A 53
57-06-15			32500	13100	A 1150000	59-01-05			85	610	A 140
57-06-19			10300	4810	A 134000	59-01-12			134	250	A 90
57-06-25			12300	2750	A 91300	59-01-20			142	160	A 61
57-07-03			711	620	A 1190	59-01-23			188	380	A 193
57-07-10			292	240	A 189	59-01-27			214	350	A 202
57-07-15			178	140	A 67	59-02-03			205	580	A 321
57-07-19			127	220	A 75	59-02-09			212	500	A 286
57-07-24			2580	3120	A 21700	59-02-16			326	1250	A 1100
57-08-01			128	270	A 93	59-02-24			140	500	A 189
57-08-06			138	610	A 227	59-03-02			175	500	A 236
57-08-13			1860	21800	A 109000	59-03-12			107	410	A 118
57-08-20	0001		413	3340	A 3720	59-03-16			62	350	A 59
57-08-28			593	14900	A 23900	59-03-23			318	430	A 369
57-09-04			134	3150	A 1140	59-03-30			232	400	A 251
57-09-11			43	690	A 80	59-04-07			66	470	A 84
57-09-16			8350	5400	A 122000	59-04-13			143	290	A 112
57-09-18			4060	3550	A 38900	59-04-20			2860	5490	A 42400
57-09-23			8040	5720	A 124000	59-04-27			222	1370	A 821
57-10-01			249	280	A 188	59-05-04			78	190	A 40
57-10-07			129	380	A 132	59-05-11			16000	18100	A 782000
57-10-15			489	430	A 568	59-05-18			614	1030	A 1710
57-10-21			360	550	A 535	59-05-26			710	1250	A 2400
57-10-28			342	650	A 600	59-05-28			12700	15500	A 531000
57-11-04			400	2190	A 2370	59-06-02			701	1090	A 2060
57-11-12			784	910	A 1930	59-06-08			600	660	A 1070

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-06-15			187	150	A 76	60-12-19			1580	2340	A 9980
59-06-19			182	170	A 84	60-12-27			733	1360	A 2690
59-06-29			1600	1810	A 7820	61-01-03			1750	2110	A 9970
59-07-06			2080	1800	A 10100	61-01-09			561	1360	A 2060
59-07-13			1120	2070	A 6260	61-01-19			574	2560	A 3970
59-07-23			1640	5010	A 22200	61-01-23			390	750	A 790
59-07-30			4400	11400	A 135000	61-01-31			194	540	A 283
59-08-05			227	360	A 221	61-02-01			414	580	A 648
59-08-10			1650	3960	A 17600	61-02-09			968	760	A 1990
59-08-17			117	1430	A 452	61-02-14			514	400	A 555
59-08-24			1400	28000	A 106000	61-02-21			1160	2230	A 6980
59-08-31			2110	22600	A 129000	61-02-27			590	1160	A 1850
59-09-08			645	3840	A 6690	61-03-08			1100	1050	A 3120
59-09-14			126	4270	A 1450	61-03-15			387	1580	A 1650
59-09-21			29	170	A 13	61-03-20			718	490	A 950
59-09-25			21900	11300	A 668000	61-03-27			3160	3700	A 31600
59-09-29			2390	4020	A 25900	61-03-30			17600	14300	A 680000
59-10-03			54100	15600	A 2280000	61-03-31			14800	12500	A 500000
59-10-04			54700	21700	A 3200000	61-04-04			2960	3050	A 24400
59-10-08			4560	2810	A 34600	61-04-14			994	1190	A 3190
59-10-12			1130	1060	A 3230	61-04-19			505	730	A 995
59-10-21			511	470	A 648	61-04-24			379	370	A 379
59-10-28			290	380	A 298	61-05-01			229	220	A 136
59-11-02			574	660	A 1020	61-05-05			16800	16500	A 748000
59-11-09			1030	830	A 2310	61-05-15			370	4210	A 4210
59-11-16			470	520	A 660	61-05-24			2220	3300	A 19800
59-11-23			426	330	A 380	61-06-07			4990	6270	A 84500
59-12-04			306	340	A 281	61-06-13			2620	6170	A 43600
59-12-14			293	350	A 277	61-06-15			7090	11000	A 211000
59-12-21			9440	15100	A 385000	61-06-21			481	830	A 1080
59-12-28			5240	6010	A 85000	61-06-28			333	530	A 477
60-01-07			1820	1600	A 7860	61-07-07			1180	3720	A 11900
60-01-20			1640	4010	A 17800	61-07-11			186	160	A 80
60-01-25			1030	1390	A 3870	61-07-21			437	940	A 1110
60-02-01			1240	1620	A 5420	61-07-24			5290	5750	A 82100
60-02-05			8490	5110	A 117000	61-08-02			172	350	A 163
60-02-17			1350	3830	A 14000	61-08-07			78	160	A 34
60-02-23			1060	1760	A 5040	61-08-14			85	150	A 34
60-03-03			718	1340	A 2600	61-08-21			631	1060	A 1810
60-03-09			1340	3150	A 11400	61-08-28			355	2430	A 2330
60-03-14			3540	6070	A 58000	61-09-05			1460	5100	A 20100
60-03-22			838	920	A 2080	61-09-11			135	340	A 124
60-03-28			725	5800	A 11400	61-09-13			8530	8070	A 186000
60-04-05			579	630	A 985	61-09-20			508	630	A 864
60-04-11			366	620	A 613	61-09-28			1390	2230	A 8370
60-04-15			8330	8230	A 185000	61-10-03			2730	2880	A 21200
60-04-18			1750	1270	A 6000	61-10-09			249	420	A 282
60-04-25			382	250	A 258	61-10-11			4810	5990	A 77800
60-04-30			15000	18800	A 761000	61-10-12			6120	11200	A 185000
60-05-03			2590	2740	A 19200	61-10-18			448	1290	A 1560
60-05-05			4090	3070	A 33900	61-10-24			237	590	A 378
60-05-07			12100	9000	A 294000	61-11-01			341	540	A 497
60-05-17			567	440	A 674	61-11-09			618	2060	A 3440
60-05-21			19800	4220	A 226000	61-11-14			505	1200	A 1640
60-05-25			2110	1180	A 6720	61-11-25			2060	3450	A 19200
60-05-31			920	920	A 2290	61-11-28			888	1430	A 3430
60-06-07			655	360	A 637	61-12-06			765	1340	A 2770
60-06-13			9120	22900	A 564000	61-12-13			720	2460	A 4780
60-06-21			968	7050	A 18400	61-12-27			1010	2520	A 6870
60-06-27			408	1420	A 1560	62-01-04			579	1010	A 1580
60-07-07			601	1620	A 2630	62-01-12			150	250	A 101
60-07-12			15100	35100	A 1430000	62-01-16			452	1370	A 1670
60-07-13			10600	22600	A 647000	62-01-23			188	310	A 157
60-07-14			23100	35900	A 2240000	62-01-25			537	740	A 1070
60-07-18			3720	12300	A 124000	62-02-02			2150	4620	A 26800
60-07-23			26000	22000	A 1540000	62-02-06			564	1300	A 1980
60-07-26			9370	8640	A 219000	62-02-13			398	580	A 623
60-08-01			1220	2400	A 7910	62-02-20			421	610	A 693
60-08-09			233	310	A 195	62-03-01			228	320	A 197
60-08-16			6210	24500	A 411000	62-03-13			326	310	A 273
60-08-22			8210	13500	A 299000	62-03-20			5150	11300	A 157000
60-09-01			388	740	A 775	62-03-23			1120	1060	A 3210
60-09-08			132	350	A 125	62-03-28			524	380	A 538
60-09-14			61	150	A 25	62-04-02			355	280	A 268
60-09-16			169	410	A 187	62-04-10			405	230	A 252
60-09-29			2780	4190	A 31500	62-04-16			470	350	A 444
60-10-04			469	3770	A 4770	62-04-25			3100	1990	A 16700
60-10-10			214	600	A 347	62-05-01			1850	1380	A 6890
60-10-18			1240	3210	A 10700	62-05-07			358	200	A 193
60-10-19			7450	10800	A 217000	62-05-15			101	110	A 30
60-10-20			10600	15800	A 452000	62-05-24			159	910	A 391
60-10-24			6400	20000	A 346000	62-06-01			1190	1620	A 5210
60-10-26			6900	11400	A 212000	62-06-03			9660	8200	A 214000
60-11-01			2420	4260	A 27800	62-06-04			5490	3680	A 54500
60-11-09			911	1890	A 4650	62-06-07			4060	3530	A 38700
60-11-14			316	1020	A 870	62-06-11			13900	7840	A 294000
60-11-21			292	540	A 426	62-06-15			2060	1220	A 6790
60-12-02			226	560	A 342	62-06-21			643	430	A 747
60-12-12			4170	6810	A 76700	62-06-25			530	570	A 816

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

363

DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-07-02		548	710	A 1050	64-04-09		545	1450	A 2130
62-07-12		67	70	A 13	64-04-10		317	1000	A 856
62-07-23		94	190	A 48	64-04-17		49	90	A 12
62-08-01		126	170	A 58	64-04-22		152	240	A 98
62-08-06		6560	16000	A 283000	64-05-04		33	180	A 16
62-08-13		277	2330	A 1740	64-05-12		10200	9840	A 271000
62-08-20		63	280	A 48	64-05-13		9940	8090	A 217000
62-08-28		25	270	A 18	64-05-18		611	920	A 1520
62-09-04		174	1500	A 705	64-05-26		102	230	A 63
62-09-10		407	1220	A 1340	64-06-08		284	290	A 222
62-09-17		717	2940	A 5690	64-06-17		14600	8530	A 336000
62-10-01		347	880	A 824	64-06-24		467	340	A 429
62-10-09		140	490	A 185	64-07-06		12	110	A 3.6
62-10-15		147	270	A 107	64-07-16		4.0	130	A 1.4
62-10-22		46	80	A 9.9	64-07-28		13	640	A 22
62-10-29		7840	10200	A 216000	64-08-05		2.4	150	A 0.97
62-10-31		817	1780	A 3930	64-08-12		2.0	180	A 0.97
62-11-05		270	480	A 350	64-08-18		131	170	A 60
62-11-13		165	430	A 192	64-08-25		548	2920	A 4320
62-11-19		167	120	A 54	64-09-02		61	260	A 43
62-11-27		5130	5670	A 78500	64-09-09		17	380	A 17
62-12-03		480	780	A 1010	64-09-14		6.0	160	A 2.6
62-12-11		349	620	A 584	64-09-23		894	1620	A 3910
62-12-12		276	600	A 447	64-09-28		1730	4190	A 19600
62-12-14		270	390	A 284	64-10-12		32	120	A 10
62-12-20		7880	4840	A 103000	64-10-22		13	40	A 1.4
62-12-26		585	1110	A 1750	64-10-26		8.0	30	A 0.65
63-01-03		352	400	A 380	64-11-03		6.0	70	A 1.1
63-01-14		238	310	A 199	64-11-12		181	410	A 200
63-01-16		254	420	A 288	64-11-16		111	180	A 54
63-01-22		264	790	A 563	64-11-18		11300	8400	A 256000
63-01-29		202	420	A 229	64-11-20		12600	7220	A 246000
63-02-08		270	410	A 299	64-11-30		417	470	A 529
63-02-18		282	450	A 343	64-12-09		173	340	A 159
63-02-26		362	660	A 645	64-12-21		375	620	A 628
63-03-04		295	690	A 550	64-12-29		227	350	A 215
63-03-12		1830	4440	A 21900	65-01-07		284	330	A 253
63-03-18		386	660	A 688	65-01-15		278	310	A 233
63-03-25		177	830	A 397	65-01-26		611	770	A 1270
63-03-31		13200	12000	A 428000	65-02-05		164	180	A 80
63-04-01		4450	9410	A 113000	65-02-15		289	190	A 148
63-04-05		745	1670	A 3360	65-03-03		168	140	A 64
63-04-17		161	190	A 83	65-03-10		113	130	A 40
63-04-23		93	120	A 30	65-03-15		326	180	A 158
63-04-27		27700	11600	A 868000	65-03-24		306	550	A 454
63-04-28		10500	5040	A 143000	65-03-30		236	230	A 147
63-04-30		2870	3310	A 25600	65-04-07		393	460	A 488
63-05-08		467	260	A 328	65-04-15		913	590	A 1450
63-05-14		193	360	A 188	65-04-22		233	210	A 132
63-05-20		92	90	A 22	65-04-29		101	130	A 35
63-05-28		100	860	A 232	65-05-04		39	160	A 17
63-06-04		105	60	A 17	65-05-10		165	190	A 85
63-06-10		1310	6160	A 21800	65-05-19		543	650	A 953
63-06-17		188	690	A 350	65-05-25		430	650	A 755
63-06-24		58	280	A 44	65-05-27		4750	8010	A 103000
63-07-01		135	280	A 102	65-06-02		576	620	A 964
63-07-10		3.0	190	A 1.5	65-06-10		1880	2070	A 10500
63-07-16		44	170	A 20	65-06-17		294	380	A 302
63-07-23		4.0	560	A 6.0	65-06-23		766	1030	A 2130
63-07-31		151	320	A 130	65-07-01		5510	7930	A 118000
63-08-06		27	160	A 12	65-07-08		207	490	A 274
63-08-14		5.0	140	A 1.9	65-07-15		48	360	A 47
63-08-19		2.0	140	A 0.76	65-07-20		6.0	230	A 3.7
63-08-27		13	170	A 6.0	65-08-02		23	140	A 8.7
63-09-16		6.0	110	A 1.8	65-08-12		253	1830	A 1250
63-09-24		37	130	A 13	65-08-18		74	320	A 64
63-10-01		0.70	150	A 0.28	65-08-25		27	140	A 10
63-10-29		0.20	570	A 0.31	65-09-01		366	1410	A 1390
63-11-12		0.50	100	A 0.14	65-09-08		50	390	A 53
63-11-19		3.0	100	A 0.81	65-09-14		4.0	160	A 1.7
63-11-26		48	170	A 22	65-09-22		6330	10300	A 176000
63-12-04		17	60	A 2.8	65-09-23		27400	8760	A 648000
63-12-12		89	200	A 48	65-09-29		497	860	A 1150
63-12-16		39	40	A 4.2	65-10-05		185	430	A 215
63-12-26		31	30	A 2.5	65-10-18		51	80	A 11
64-01-02		38	50	A 5.1	65-10-27		253	680	A 465
64-01-06		46	100	A 12	65-11-03		123	300	A 100
64-01-13		10.0	110	A 3.0	65-11-09		98	160	A 42
64-01-16		17	100	A 4.6	65-11-17		60	90	A 15
64-01-21		21	80	A 4.5	65-11-24		56	80	A 12
64-01-29		22	70	A 4.2	65-12-01		43	10	A 1.2
64-01-31		51	100	A 14	65-12-08		40	10	A 1.1
64-02-10		324	1030	A 901	65-12-16		69	80	A 15
64-02-20		182	490	A 241	65-12-23		62	10	A 1.7
64-02-27		163	560	A 246	65-12-29		445	920	A 1110
64-03-03		116	310	A 97	66-01-03		359	820	A 795
64-03-11		606	1150	A 1880	66-01-12		202	400	A 218
64-03-20		181	200	A 98	66-01-19		117	170	A 54
64-03-30		45	20	A 2.4	66-02-03		94	120	A 30

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
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## 07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
66-02-16			402	810	A 879	68-01-03			129	120	A 42
66-02-28			285	370	A 285	68-01-12			93	100	A 25
66-03-10			239	450	A 290	68-01-18			1270	1810	A 6210
66-03-16			426	590	A 679	68-01-24			584	660	A 1040
66-03-23			100	120	A 32	68-01-30			1240	1760	A 5890
66-03-29			64	10	A 1.7	68-01-31			1710	2940	A 13600
66-04-05			16	70	A 3.0	68-02-02			1950	3310	A 17400
66-04-14		4.0		90	A 0.97	68-02-06			552	590	A 879
66-04-20			32	340	A 29	68-02-16			261	80	A 56
66-04-25			875	1270	A 3000	68-02-23			234	80	A 51
66-04-28			2470	4620	A 30800	68-02-29			760	1290	A 2650
66-05-02			1080	920	A 2680	68-03-05			380	630	A 646
66-05-11			92	50	A 12	68-03-13			2300	520	A 3230
66-05-19			70	250	A 47	68-03-19			1010	330	A 900
66-05-31			21	150	A 8.5	68-03-20			9530	5680	A 146000
66-06-07		5.0		10	A 0.14	68-03-21			11000	9100	A 270000
66-06-14		2.0		240	A 1.3	68-03-22			4040	2960	A 32300
66-06-22		67		130	A 24	68-03-25			1400	760	A 2870
66-06-29		2.0		10	A 0.05	68-04-02			740	470	A 939
66-07-06		5.0		10	A 0.14	68-04-08			520	920	A 1290
66-07-25		9.0		1100	A 27	68-04-19			747	2820	A 5690
66-08-01		18		740	A 36	68-04-22			3060	3100	A 25600
66-08-15		8.0		110	A 2.4	68-05-07			164	470	A 208
66-08-22		39		510	A 54	68-05-13			31500	10400	A 885000
66-08-30		136		510	A 187	68-05-14			35800	4160	A 402000
66-09-01		1800		7620	A 37000	68-05-15			20000	4770	A 258000
66-09-02		1760		2960	A 14100	68-05-16			11300	2910	A 88800
66-09-06		436		850	A 1000	68-05-20			1740	1590	A 7470
66-09-12		76		150	A 31	68-05-25			5240	10500	A 149000
66-09-21		142		650	A 249	68-05-27			6920	2070	A 38700
66-10-03		38		110	A 11	68-06-03			5710	4670	A 72000
66-10-12		6.0		10	A 0.16	68-06-10			2080	800	A 4490
66-10-20		6.0		10	A 0.16	68-06-17			4450	2490	A 29900
66-10-27		1.0		10	A 0.03	68-06-18			2570	2800	A 19400
66-11-07		1.0		10	A 0.03	68-06-26			3200	2640	A 22800
66-11-17		5.0		290	A 3.9	68-07-02			11400	7450	A 229000
66-11-22		2.0		210	A 1.1	68-07-12			265	260	A 186
66-12-01		9.0		140	A 3.4	68-07-16			162	200	A 87
66-12-12		3.0		10	A 0.08	68-07-25			253	640	A 437
66-12-22		9.0		190	A 4.6	68-07-31			234	400	A 253
66-12-30		17		100	A 4.6	68-08-08			74	150	A 30
67-01-03		22		110	A 6.5	68-08-12			150	320	A 130
67-01-16		14		100	A 3.8	68-08-22			370	460	A 460
67-01-25		16		100	A 4.3	68-09-04			486	2280	A 2990
67-01-31		30		120	A 9.7	68-09-10			308	580	A 482
67-02-03		36		100	A 9.7	68-09-18			62	410	A 69
67-02-14		27		140	A 10	68-09-23			31	240	A 20
67-02-23		10.0		100	A 2.7	68-10-01			217	1230	A 721
67-03-02		1.0		50	A 0.14	68-10-15			295	460	A 366
67-03-09		8.0		70	A 1.5	68-10-22			239	320	A 206
67-03-16		21		110	A 6.2	68-10-30			115	110	A 34
67-03-24		5.0		70	A 0.95	68-11-05			1330	1640	A 5890
67-04-05		27		150	A 11	68-11-13			271	290	A 212
67-04-10		571		1070	A 1650	68-11-19			2000	2110	A 11400
67-04-11		2080		3670	A 20600	68-11-27			11100	5640	A 169000
67-04-13		36100		13100	A 1280000	68-11-29			7210	5030	A 97900
67-04-14		9120		10400	A 256000	68-12-04			1010	1430	A 3900
67-04-18		820		940	A 2080	68-12-12			476	690	A 887
67-04-21		2180		590	A 3470	68-12-17			338	780	A 712
67-04-26		414		580	A 648	68-12-30			1660	910	A 4080
67-05-04		135		130	A 47	69-01-02			688	610	A 1130
67-05-09		730		670	A 1320	69-01-07			508	650	A 892
67-05-18		135		120	A 44	69-01-20			509	400	A 550
67-05-23		408		1060	A 1170	69-01-30			13700	11000	A 407000
67-06-02		810		1150	A 2520	69-02-04			1380	840	A 3130
67-06-08		118		70	A 22	69-02-10			563	350	A 532
67-06-15		1460		1990	A 7840	69-02-17			3100	1220	A 10200
67-06-19		275		350	A 260	69-02-24			3880	3450	A 36100
67-06-30		750		710	A 1440	69-03-04			2120	2540	A 14500
67-07-11		123		110	A 37	69-03-10			2050	1300	A 7200
67-07-19		71		910	A 174	69-03-24			12600	2980	A 101000
67-07-25		31		60	A 5.0	69-03-25			7340	1920	A 38100
67-07-31		27		80	A 5.8	69-04-01			1370	650	A 2400
67-08-25		4.0		60	A 0.65	69-04-09			610	360	A 593
67-09-06		2150		2650	A 15400	69-04-14			82	290	A 64
67-09-11		164		230	A 102	69-04-17			9200	6580	A 163000
67-09-19		261		540	A 381	69-04-21			1480	1550	A 6190
67-10-03		110		170	A 50	69-04-28			6600	5240	A 93400
67-10-11		179		290	A 140	69-05-06			11100	5410	A 162000
67-10-17		316		460	A 392	69-05-07			25000	18000	A 1220000
67-10-26		26		560	A 39	69-05-08			20000	11700	A 632000
67-10-31		1170		1550	A 4900	69-05-09			8840	8620	A 206000
67-11-08		133		180	A 65	69-05-12			2190	2220	A 13100
67-11-14		66		90	A 16	69-05-19			4300	3870	A 44900
67-11-21		36		50	A 4.9	69-05-28			746	900	A 1810
67-11-29		28		70	A 5.3	69-06-02			757	370	A 756
67-12-07		33		470	A 42	69-06-09			582	490	A 770
67-12-13		32		50	A 4.3	69-06-16			2750	1840	A 13700
67-12-21		302		1680	A 1370	69-06-26			533	520	A 748

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-06-30			368	650	A 646	71-06-04			19200	5220	A 271000
69-07-09			39	70	A 7.4	71-06-07			1910	1630	A 8410
69-07-14			20	100	A 5.4	71-06-18			632	260	A 444
69-07-28			50	140	A 19	71-06-28			209	120	A 68
69-08-08			20	90	A 4.9	71-07-07			264	450	A 321
69-08-15		5.0		250	A 3.4	71-07-13			628	90	A 153
69-08-26			250	1470	A 992	71-07-23			986	110	A 293
69-09-04			55	760	A 113	71-08-02			637	60	A 103
69-09-22			217	400	A 234	71-08-11			94	130	A 33
69-10-03			111	180	A 54	71-08-23			82	340	A 75
69-10-07			278	620	A 465	71-09-02			38	310	A 32
69-10-08			240	130	A 84	71-09-07			226	630	A 384
69-10-13			9540	7180	A 185000	71-09-20			81	50	A 11
69-10-14			2330	3030	A 19100	71-10-01			130	200	A 70
69-10-20			242	130	A 85	71-10-13			108	250	A 73
69-10-30			154	50	A 21	71-10-20			5970	8460	A 136000
69-11-04			114	190	A 58	71-10-21			2800	2840	A 21500
69-11-10			89	30	A 7.2	71-12-10			240	3290	A 2130
69-11-24			69	210	A 39	71-12-11			232	2590	A 1620
69-12-08			298	130	A 105	71-12-15			11900	6390	A 205000
69-12-18			112	30	A 9.1	72-04-21			2480	8030	A 53800
69-12-23			119	50	A 16	72-05-01			1130	1800	A 5490
70-01-02			380	230	A 236	72-05-15			3710	3370	A 33800
70-01-12			432	480	A 560	72-10-31			21100	6610	A 377000
70-01-26			280	130	A 98	72-11-01			29500	9420	A 750000
70-02-06			207	1060	A 592	72-11-02			9950	6550	A 176000
70-02-11			56	50	A 7.6	72-11-03			6690	3750	A 67700
70-02-24			60	530	A 86	72-11-06			2530	1620	A 11100
70-03-06			201	150	A 81	72-11-13			9470	4490	A 115000
70-03-10			125	70	A 24	72-11-14			4760	4150	A 53300
70-03-20			920	240	A 596	72-11-20			1700	3990	A 18300
70-03-27			269	480	A 349	73-01-03			6440	1830	A 31800
70-04-06			1200	450	A 1460	73-01-16			1920	420	A 2180
70-04-16			220	350	A 208	73-01-24			2480	2390	A 16000
70-04-20			4610	3230	A 40200	73-01-29			1830	8370	A 41400
70-04-21			7330	7900	A 156000	73-02-08			4840	2660	A 34800
70-04-29			983	490	A 1300	73-02-13			1090	320	A 942
70-05-01			14100	6580	A 251000	73-03-05			4800	3620	A 46900
70-05-02			5120	3630	A 50200	73-03-07			8350	4050	A 91300
70-05-11			403	280	A 305	73-03-12			12000	6340	A 205000
70-05-25			125	530	A 179	73-03-13			6290	3840	A 65200
70-06-02			2610	2630	A 18500	73-03-20			1580	1690	A 7210
70-06-16			513	500	A 693	73-03-26			14500	5720	A 224000
70-06-25			120	270	A 87	73-03-27			6040	5660	A 92300
70-07-06			25	250	A 17	73-04-02			10400	8210	A 231000
70-07-14			1040	2240	A 6290	73-04-03			6270	4580	A 77500
70-07-20			117	400	A 126	73-04-12			2150	1960	A 11400
70-07-27			33	710	A 63	73-04-16			14200	4590	A 176000
70-08-07		7.0		250	A 4.7	73-04-17			8040	4360	A 94600
70-08-19		9.0		210	A 5.1	73-04-20			11100	6450	A 193000
70-08-25			71	550	A 105	73-04-22			32400	6070	A 531000
70-09-04			28	250	A 19	73-04-23			22300	5720	A 344000
70-09-11		8.0		740	A 16	73-04-24			10300	4880	A 136000
70-09-18			266	610	A 438	73-04-30			2330	2400	A 15100
70-09-23			20700	10100	A 564000	73-05-07			4100	870	A 9630
70-09-24			21600	7260	A 423000	73-06-01			5210	7930	A 112000
70-09-25			7240	8870	A 173000	73-06-04			17000	6800	A 312000
70-09-28			2010	4180	A 22700	73-06-05			18700	4820	A 243000
70-10-07			1960	4100	A 21700	73-07-02			1660	860	A 3850
70-10-08			93300	8120	A 2050000	73-08-21			69	50	A 9.3
70-10-09			30900	10500	A 876000	73-09-06			2760	3020	A 22500
70-10-12			4420	1850	A 22100	73-09-27			12300	6660	A 221000
70-10-22			775	250	A 523	73-09-28			12900	4850	A 169000
70-10-23			57800	8400	A 1310000	73-10-02			1240	650	A 2180
70-10-24			15800	3510	A 150000	73-11-21			9590	6210	A 161000
70-10-27			6760	3340	A 61000	73-11-26			16000	3840	A 166000
70-11-04			837	940	A 2120	73-12-11			1160	850	A 2660
70-11-16			822	750	A 1660	74-01-14			492	180	A 239
70-11-27			311	70	A 59	74-02-19			671	450	A 815
70-12-09			252	130	A 88	74-04-30			49600	8760	A 1170000
70-12-16			270	240	A 175	74-05-01			14500	7190	A 281000
70-12-31			239	330	A 213	74-06-07			6530	6440	A 114000
71-01-14			1440	1370	A 5330	74-08-07			53	100	A 14
71-01-21			332	660	A 592	74-09-03			1720	2060	A 9570
71-01-25			316	200	A 171	74-10-03	1000		263	222	A 158
71-02-09			272	220	A 162	74-10-21			188	360	A 183
71-02-18			255	230	A 158	74-10-31			32300	8440	A 736000
71-02-24			1020	820	A 2260	74-11-01			15500	4200	A 176000
71-03-01			476	190	A 244	74-11-05			13800	7720	A 288000
71-03-12			350	200	A 189	74-12-10			510	420	A 578
71-03-22			198	170	A 91	75-01-06			1380	1060	A 3950
71-03-30			187	160	A 81	75-02-03			3240	1980	A 17300
71-04-09			92	110	A 27	75-03-12			9700	5650	A 148000
71-04-19			362	320	A 313	75-03-28			12200	6260	A 206000
71-04-26			849	520	A 1190	75-04-25			8010	4030	A 87200
71-05-04			233	140	A 88	75-05-14			18500	9060	A 453000
71-05-10			931	750	A 1890	75-05-24			33900	9050	A 828000
71-05-24			2000	3210	A 17300	75-06-18	1430		11200	3750	A 113000
71-06-01			1120	2630	A 7950	75-06-19			6690	2930	A 52900

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

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## ARKANSAS RIVER BASIN

366

07231500 CANADIAN RIVER AT CALVIN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-07-14			474	330	A	422					
75-07-15	1030		474	18		23			7010	4170	78900
75-10-16			910	160	A	393			7010	5160	A 97700
75-10-21	1700		208	110		62			4020	1470	16000
75-11-24			338	180	A	164			80	20	4.3
75-12-08			308	190	A	158					
75-12-17	1500		243	47		31					
76-01-06			295	200	A	159					
76-01-20	1230		312	54		45					
76-03-01			191	60	A	31					
76-04-20			16000	6600	A	285000					
76-04-21			9790	5410	A	143000					
76-05-13			7800	4630	A	97500					
76-05-19	1015		497	628		843					
76-06-17	1130		120	36		12					
76-06-21			180	6670	A	3240					
76-07-21	1030		253	314		214					
76-08-10			221	740	A	442					
76-08-18	1100		19	90		4.6					
76-10-07			16	140	A	6.0					
76-10-28	1230		23	19		1.2					
76-11-02			124	270	A	90					
76-11-23	1100		38	92		9.4					
76-12-16			80	110	A	24					
76-12-21	0945		78	78		16					
77-01-18	1230		219	62		37					
77-01-24			332	250	A	224					
77-02-02			112	90	A	27					
77-02-15	1100		309	240		200					
77-03-14			236	260	A	166					
77-03-15	1005		202	87		47					
77-03-28			5880	4200	A	66700					
77-04-12	1000		101	43		12					
77-04-21			6460	5890	A	103000					
77-04-22			3000	1880	A	15200					
77-05-02			3660	3880	A	38300					
77-05-18	1030		947	1060		2710					
77-05-19			497	510	A	684					
77-05-20			28000	8940	A	676000					
77-05-23			18200	9050	A	445000					
77-06-14			369	390	A	389					
77-06-28	1045		597	522		841					
77-07-05			545	660	A	971					
77-07-25	1500		130	142		50					
77-08-15			84	260	A	59					
77-08-25	1100		19	125		6.4					
77-09-08			46	140	A	17					
77-09-28	1030		22	93		5.5					
77-10-06	1545		15	109		4.4					
77-11-03	1600		29	40		3.1					
77-11-23	1348		22	40	A	2.4					
77-12-08	1156		57	170	A	26					
77-12-08	1600		55	79		12					
78-01-05	1400		32	69		6.0					
78-02-08	1000		164	55		24					
78-02-13			1750	4300	A	20300					
78-03-09	1430		1520	1450		5950					
78-03-09	1446		1440	1650	A	6420					
78-03-21	1210		6100	8270	A	136000					
78-04-06	1915		587	538		853					
78-04-11	1140		2360	3210	A	20500					
78-05-01	1150		1450	1990	A	7790					
78-05-04	0900		5880	1660		26400					
78-05-22	1325		8050	7370	A	160000					
78-05-29	1240		24200	30900	A	2020000					
78-06-08	1355		9200	3610	A	89700					
78-07-07	0900		95	180		46					
78-08-16	1215		3.4	33		0.30					
78-09-06	1530		0.36*	71		0.07					
78-11-16	1430		266	90		65					
78-12-16	0845		252	164		112					
79-01-10	0900		187	191		96					
79-02-14			179	40	A	19					
79-02-28	1030		421	32		36					
79-03-09			252	110	A	75					
79-04-03	0845		1100	474		1410					
79-05-03	1030		712	762		1460					
79-06-06	0830		541	1590		2320					
79-07-03	0840		524	206		291					
79-08-29	0920		100	242		65					
79-09-12	0830		252	180		122					
79-10-22	1800		43	110		13					
79-11-27	1730		18	587		29					
79-12-17	1630		198	14		7.5					
80-01-14	1545		214	148		86					
80-02-20	1530		381	306		315					
80-03-24	1300		327	123		109					
80-04-09	1500		59	251		40					
80-04-09	1502		59	300	A	48					

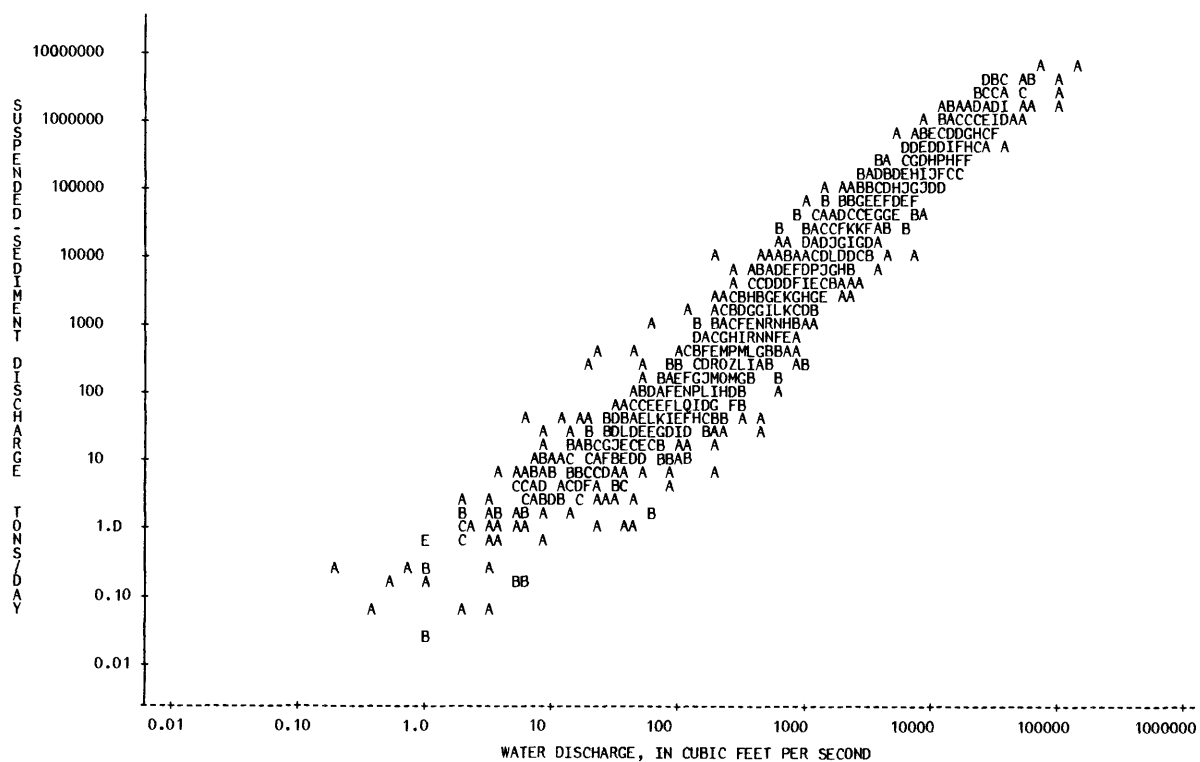
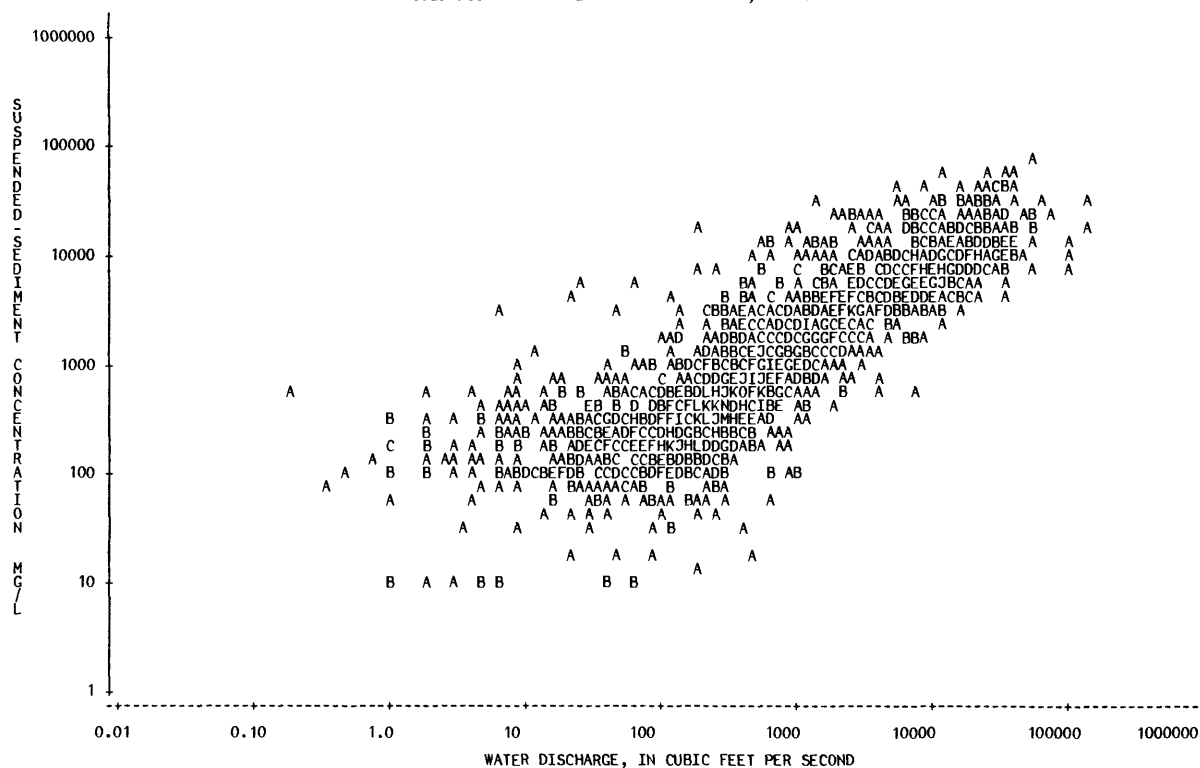
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07231500 CANADIAN RIVER AT CALVIN, OKLA.



## ARKANSAS RIVER BASIN

07231975 BRUSHY CREEK NEAR HAILEYVILLE, OKLA.

LOCATION.--Lat 34°48'05", long 95°39'16", in NE 1/4 SE 1/4 sec.19, T.4 N., R.16 E., Pittsburg County, Hydrologic Unit 11090204, on downstream left bank at county road bridge, 0.9 mi (1.4 km) south of junction of State Highway 63 and county road, 1.2 mi (1.9 km) northeast of Arch and 6.3 mi (10.1 km) southwest of Haileyville.

DRAINAGE AREA.--139 mi<sup>2</sup> (360 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1978-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-29		1445	23	34	2.1	79-06-03		1000	276	187	139
78-12-06		1100	3.6	53	0.52	79-06-05		0900	59	41	6.5
78-12-13		1030	1.8	44	0.21	79-06-05		1006	58	75	12
78-12-20		1200	0.73	53	0.10	79-06-06		1030	43	61	7.1
78-12-28		1230	0.60	39	0.06	79-06-07		1100	6260	1330	22500
79-01-16		1355	17	75	3.4	79-06-08		1100	2300	1250	7760
79-01-25		1110	37	173	17	79-06-09		1115	283	434	332
79-02-13		1515	130	50	18	79-06-10		1130	159	78	33
79-02-22		1106	29	27	2.1	79-06-11		1130	114	44	14
79-03-07		1204	57	49	7.5	79-06-12		1105	55	59	8.8
79-03-12		1015	17	58	2.7	79-06-12		1107	55	48	7.1
79-03-19		1143	13	68	2.4	79-06-18		1230	10	36	1.0
79-03-20		1835	4700	281	3570	79-06-22		1008	4.5	27	0.33
79-03-29		1315	123	98	33	79-06-22		1020	4.3	34	0.40
79-04-12		1100	143	90	35	79-06-23		2030	3.7	16	0.16
79-04-12		1115	143	59	23	79-06-25		2100	10	24	0.67
79-04-16		2100	21	15	0.85	79-06-26	1	4.9 *	94	1.2	
79-04-17		1100	19	18	0.92	79-06-27		1108	4.5	41	0.50
79-04-17		1125	19	49	2.5	79-06-27	3	4.0 *	28	0.30	
79-04-18	1	17	*	19	0.87	79-07-01		2230	3.0	25	0.20
79-04-20		0500	17	16	0.73	79-07-02	2	1.8 *	15	0.07	
79-04-21		0400	1200	50	162	79-07-05		1410	1.5	36	0.15
79-04-22		0400	204	470	259	79-07-05		1430	1.5	51	0.21
79-04-23		1348	79	62	13	79-07-05		2245	1.4	33	0.12
79-04-23	1	70	*	68	13	79-07-06		2300	8.6	32	0.74
79-04-25		0800	41	31	3.4	79-07-07	1	4.9 *	26	0.34	
79-04-26		0943	28	51	3.9	79-07-09		2400	7.3	37	0.73
79-04-26		1000	28	17	1.3	79-07-11		0030	9.4	44	1.1
79-04-27	3	18	*	5	0.24	79-07-11		1238	5.5	45	0.67
79-05-01		0400	14	21	0.79	79-07-11		1430	4.9	101	1.3
79-05-02		0400	15	102	4.1	79-07-13	2	1.8 *	27	0.13	
79-05-03		0400	204	24	13	79-07-16	3	2.9 *	19	0.15	
79-05-04	2	51	*	62	8.5	79-07-19		1120	1.3	31	0.11
79-05-07		0500	29	36	2.8	79-07-19		1135	1.3	71	0.25
79-05-07		1100	27	88	6.4	79-07-31		1030	1.1	44	0.13
79-05-15		1100	37	42	4.2	79-07-31		1120	1.1	44	0.13
79-05-15		1108	37	87	8.7	79-08-08		1220	0.33	46	0.04
79-05-15		2230	24	46	3.0	79-08-12		1025	0.19	20	0.01
79-05-16	1	18	*	27	1.3	79-08-13		1045	0.13	68	0.02
79-05-20		2230	1200	27	87	79-08-16		1215	0.05	55	0.01
79-05-23		1308	468	275	347	79-08-21		1400	0.00	69	0.00
79-05-23		1319	508	96	132	79-08-22		0100	0.02	24	0.00
79-05-24		0130	288	116	90	79-08-23	1	0.09*	48	0.01	
79-05-25		0130	143	44	17	79-08-25	1	0.16*	19	0.01	
79-05-26	1	58	*	27	4.2	79-08-27		0230	0.87	22	0.05
79-05-27		1200	50	28	3.8	79-08-28		0245	0.54	99	0.14
79-05-28		0915	268	29	21	79-08-29		0300	0.13	58	0.02
79-05-29		0930	487	74	97	79-08-29		1045	0.11	57	0.02
79-05-30		0900	162	79	35	79-08-30		0315	0.11	45	0.01
79-05-30		0930	151	115	47	79-08-31		0330	0.11	28	0.01
79-05-31		1000	90	52	13	79-09-01		0400	0.73	28	0.06
79-06-01		1000	57	43	6.6	79-09-02		0415	0.54	35	0.05
79-06-02		1000	337	48	44	79-09-03	3	0.32*	26	0.02	

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07231975 BRUSHY CREEK NEAR HAILEYVILLE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-09-06		1340	0.16	65	0.03	80-03-09		0900	1.2	14	0.05
79-09-06		1515	0.13	72	0.03	80-03-10		0900	1.1	20	0.06
79-09-07	3		0.08*	34	0.01	80-03-11		1230	0.94	37	0.09
79-09-13		0955	0.01	54	0.00	80-03-11		1328	0.94	11	0.03
79-09-20	5		0.01*	37	0.00	80-03-11	3		0.87*	20	0.05
79-09-26		0800	0.27	20	0.01	80-03-15	1		0.60*	19	0.03
79-09-26		1050	0.54	55	0.08	80-03-17		2010	1.6	22	0.10
79-09-26		1130	0.60	66	0.11	80-03-18		0900	1.7	23	0.11
79-09-27		1000	0.54	31	0.05	80-03-18		1045	1.9	71	0.36
79-09-28		1000	0.27	30	0.02	80-03-18		1058	1.8	50	0.24
79-09-29		1000	0.16	111	0.05	80-03-19	1		1.8 *	24	0.12
79-09-30		1000	0.13	37	0.01	80-03-21	3		1.0 *	22	0.06
79-10-01		1100	0.08	32	0.01	80-03-25		0945	0.80	22	0.05
79-10-02		1130	0.04	33	0.00	80-03-25		1030	0.80	65	0.14
79-10-03		1155	0.03	44	0.00	80-03-25	2		0.60*	24	0.04
79-10-03		1230	0.03	31	0.00	80-03-28	4		0.60*	21	0.03
79-10-04		1200	0.01	30	0.00	80-04-02		1052	0.87	23	0.05
79-10-18		1430	32	32	2.8	80-04-02		1115	0.87	70	0.16
79-10-19		1500	8.3	154	3.5	80-04-02	3		0.66*	28	0.05
79-10-20		1500	3.4	127	1.2	80-04-05		2000	0.73	21	0.04
79-10-21		1500	1.7	89	0.41	80-04-06		2000	3.3	14	0.12
79-10-22		1500	1.5	83	0.34	80-04-07		2000	2.6	30	0.21
79-10-23		1530	10	79	2.2	80-04-08		1210	2.2	22	0.13
79-10-24		1140	5.0	79	1.1	80-04-08		1300	2.2	52	0.31
79-10-24		1145	5.0	92	1.2	80-04-08	4		1.7 *	23	0.11
79-10-24		1530	4.7	78	0.99	80-04-13		2100	1.2	16	0.05
79-10-25		1600	2.3	53	0.33	80-04-14		2100	15	18	0.73
79-10-26		1600	1.2	41	0.13	80-04-15		1126	12	28	0.91
79-10-27		1630	0.60	41	0.07	80-04-15		1150	12	59	1.9
79-10-28		1630	0.48	42	0.05	80-04-16		0930	8.3	20	0.45
79-10-29		1630	0.48	38	0.05	80-04-17		0930	6.8	20	0.37
79-10-30		1630	0.48	36	0.05	80-04-18	0		5.0 *	21	0.28
79-10-31		1630	21	53	3.0	80-04-20		0900	5.9	13	0.21
79-11-01		1645	21	109	6.2	80-04-21		0830	6.3	20	0.34
79-11-02		1700	11	72	2.1	80-04-22		0815	4.9	12	0.16
79-11-03		1700	5.5	47	0.70	80-04-22		1215	4.9	47	0.62
79-11-04		1730	3.2	42	0.36	80-04-24	0		3.6 *	34	0.33
79-11-05		1745	1.8	43	0.21	80-04-25		0815	4.4	26	0.31
79-11-06		0945	1.3	72	0.25	80-04-25		2300	19	21	1.1
79-11-06		1105	1.3	84	0.30	80-04-29		1417	53	199	28
79-11-14		1225	0.04	46	0.00	80-04-29		1425	53	82	12
79-11-14		1230	0.04	41	0.00	80-04-30		0720	39	72	7.6
79-11-20		1440	0.02	48	0.00	80-05-01		0720	102	60	17
79-11-20		1500	0.02	68	0.00	80-05-01		2210	716	364	704
79-11-21		0830	0.11	34	0.01	80-05-02		0710	1000	709	1910
79-11-26		0900	1.4	26	0.10	80-05-02		1110	1280	208	719
79-11-27		0915	0.80	25	0.05	80-05-02		1340	1920	539	2790
79-11-27		1200	1.0	45	0.12	80-05-02		1600	2690	363	2640
79-11-27		1215	1.0	49	0.13	80-05-03		0615	2730	784	5780
79-11-30		1530	0.60	80	0.13	80-05-03		0715	2490	2150	14500
79-12-05		2100	0.27	54	0.04	80-05-03		0850	1990	2100	11300
79-12-06		1155	0.32	35	0.03	80-05-03		1100	1280	240	829
79-12-13		1150	0.48	43	0.06	80-05-03		1419	734	256	507
79-12-19		1400	1.0	44	0.12	80-05-03		1420	718	205	397
79-12-26		1045	12	79	2.6	80-05-03		1632	713	215	414
79-12-26		1054	12	83	2.7	80-05-13		1235	9.1	47	1.2
80-01-02		1120	2.5	40	0.27	80-05-13		1338	10.0	105	2.8
80-01-09		1150	1.0	38	0.10	80-05-13		2300	8.6	89	2.1
80-01-17		1015	0.66	47	0.08	80-05-14		2330	6.6	34	0.61
80-01-17		1100	0.66	42	0.07	80-05-20		0920	239	104	67
80-01-23			40	53	5.7	80-05-20		0935	240	22	14
80-01-23		0815	40	70	7.6	80-05-20		2200	147	33	13
80-01-23		1200	37	46	4.6	80-05-21		2215	235	26	16
80-01-24			24	27	1.7	80-05-22		0115	260	90	63
80-01-25		1100	16	24	1.0	80-05-22		2215	176	31	15
80-02-03		1230	3.4	12	0.11	80-05-23		2230	93	24	6.0
80-02-05		0958	3.0	13	0.11	80-05-24		2300	65	16	2.8
80-02-05		1025	3.1	32	0.27	80-05-25		2400	42	21	2.4
80-02-06		1200	2.9	13	0.10	80-05-26		1600	33	32	2.9
80-02-11		1200	109	10	2.9	80-05-27		1115	19	60	3.1
80-02-11		1430	111	36	11	80-05-27		1205	24	17	1.1
80-02-12		1200	80	43	9.3	80-05-27	1		17 *	20	0.92
80-02-12		1230	80	23	5.0	80-05-29		1100	19	26	1.3
80-02-13		1130	55	22	3.3	80-05-29		1845	260	49	34
80-02-13		2330	47	31	3.9	80-05-29		2300	711	147	282
80-02-14		2330	34	28	2.6	80-05-30		1430	660	359	640
80-02-19		0600	12	18	0.58	80-05-30		2300	840	195	442
80-02-19		1245	12	35	1.1	80-05-31		0015	750	267	541
80-02-19		1250	12	29	0.94	80-05-31		1030	276	190	142
80-02-19		1800	12	36	1.2	80-05-31		2330	171	105	48
80-02-20	3		8.0 *	28	0.60	80-06-01		2330	89	129	31
80-02-25		1130	4.9	32	0.42	80-06-02		2330	54	73	11
80-02-26		1120	4.4	42	0.50	80-06-03		1228	41	56	6.2
80-02-26		1200	4.4	43	0.51	80-06-03		1255	39	59	6.2
80-02-26	3		3.6 *	24	0.23	80-06-03		1730	38	87	8.9
80-03-03	0		2.2 *	18	0.11	80-06-05		0015	22	104	6.2
80-03-04		1207	2.0	23	0.12	80-06-06		1800	15	55	2.2
80-03-04		1250	2.0	40	0.22	80-06-07	2		8.6 *	41	0.95
80-03-05	3		1.4 *	38	0.14	80-06-10		0100	5.7	34	0.52

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

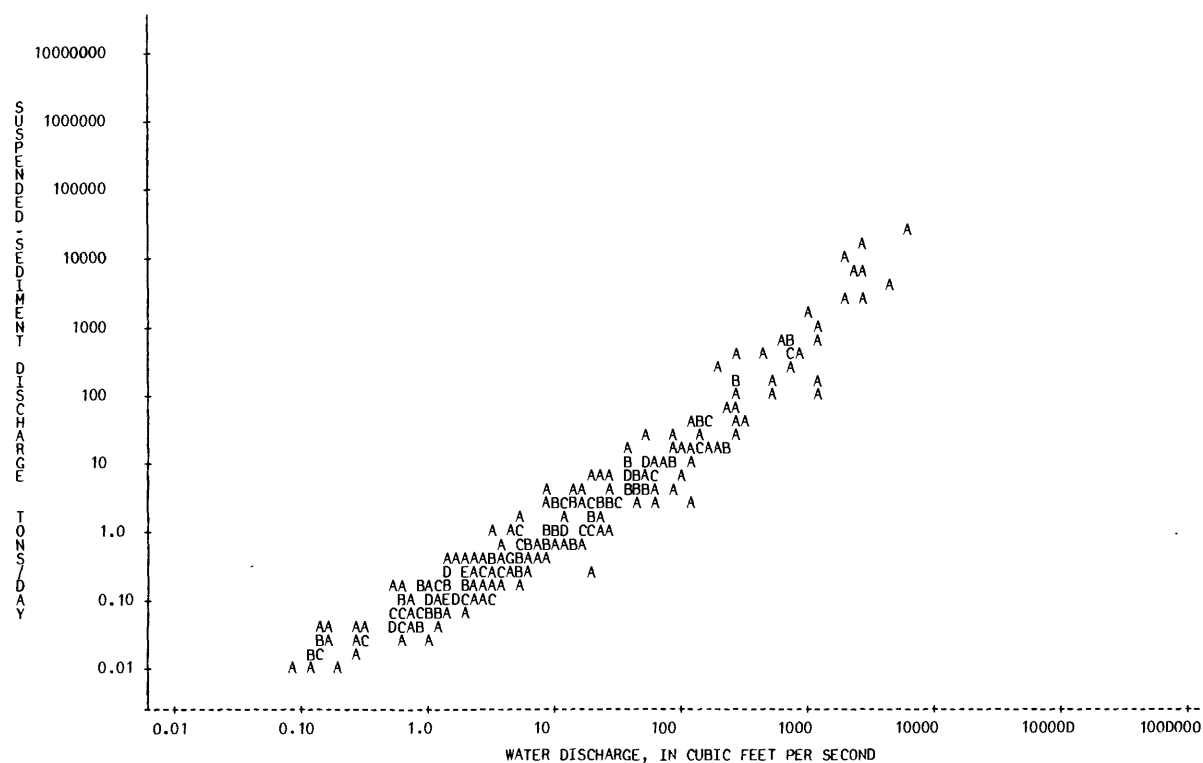
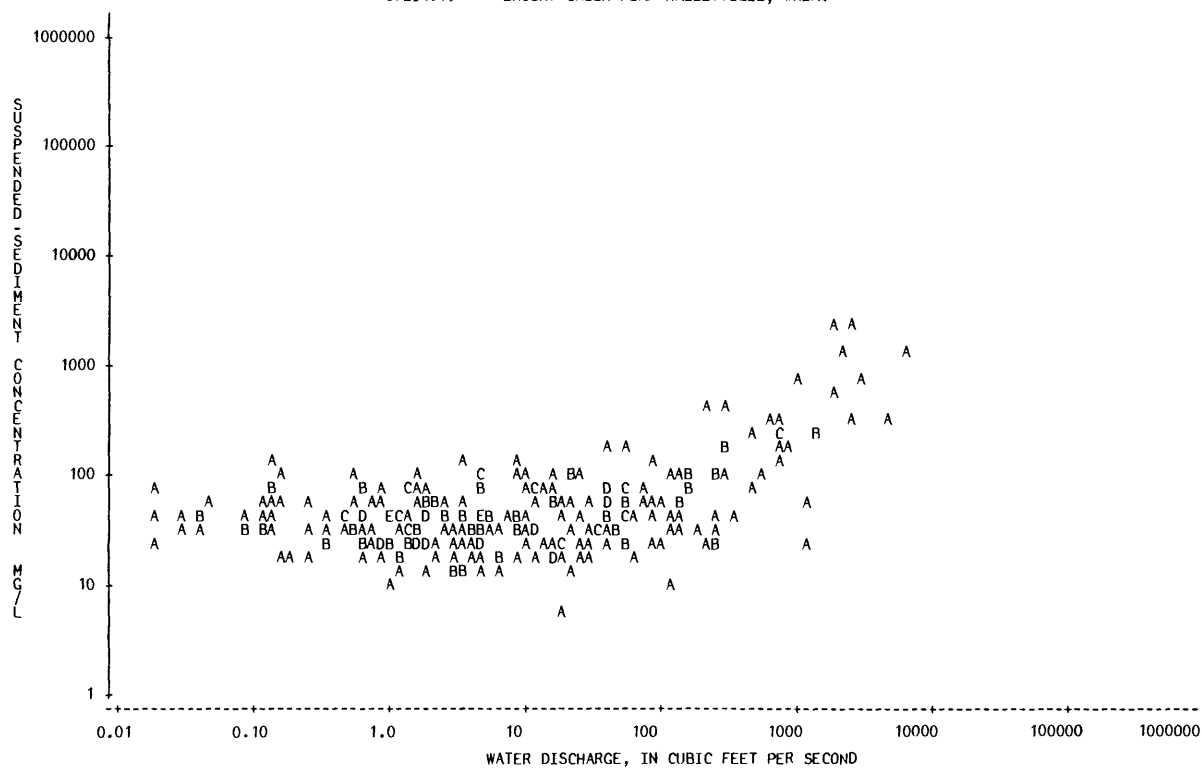
07231975 BRUSHY CREEK NEAR HAILEYVILLE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
80-06-10		1800	4.9	20	0.26
80-06-11		0100	4.2	30	0.34
80-06-11		1115	4.4	37	0.44
80-06-11		1121	4.0	21	0.23
80-06-12	2		3.3 *	37	0.33
80-06-15		0145	2.5	53	0.36
80-06-16	2		1.8 *	55	0.27
80-06-18		1110	1.6	22	0.10
80-06-18		1130	1.8	39	0.19
80-06-19		0200	1.5	28	0.11
80-06-20	1		2.6 *	46	0.32
80-06-22		0215	1.8	23	0.11
80-06-23	2		1.3 *	22	0.08
80-06-25		1055	1.4	30	0.11
80-06-25		1125	1.2	30	0.10
80-06-27	2		0.94*	21	0.05
80-06-30	1		0.32	27	0.02
80-07-02		1000	0.13	129	0.05
80-07-02		1105	0.14	35	0.01

\*\*\*\*\*

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 \* = MEAN DAILY DISCHARGE  
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07231975 BRUSHY CREEK NEAR HAILEYVILLE, OKLA.



## ARKANSAS RIVER BASIN

07231990 PEACEABLE CREEK NEAR HAILFYVILLE, OKLA.

LOCATION.--Lat 34°51'07", Long 95°39'15", on east edge of NE 1/4 sec.6, T.4 N., R.16 E., Pittsburg County, Hydrologic Unit 11090204, at right downstream end of county road bridge, 3.3 mi (5.3 km) south of Bache, 5 mi (8 km) west of Haileyville, and at mile 5.7 (9.2 km).

DRAINAGE AREA.--134 mi<sup>2</sup> (347.1 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1978-80.

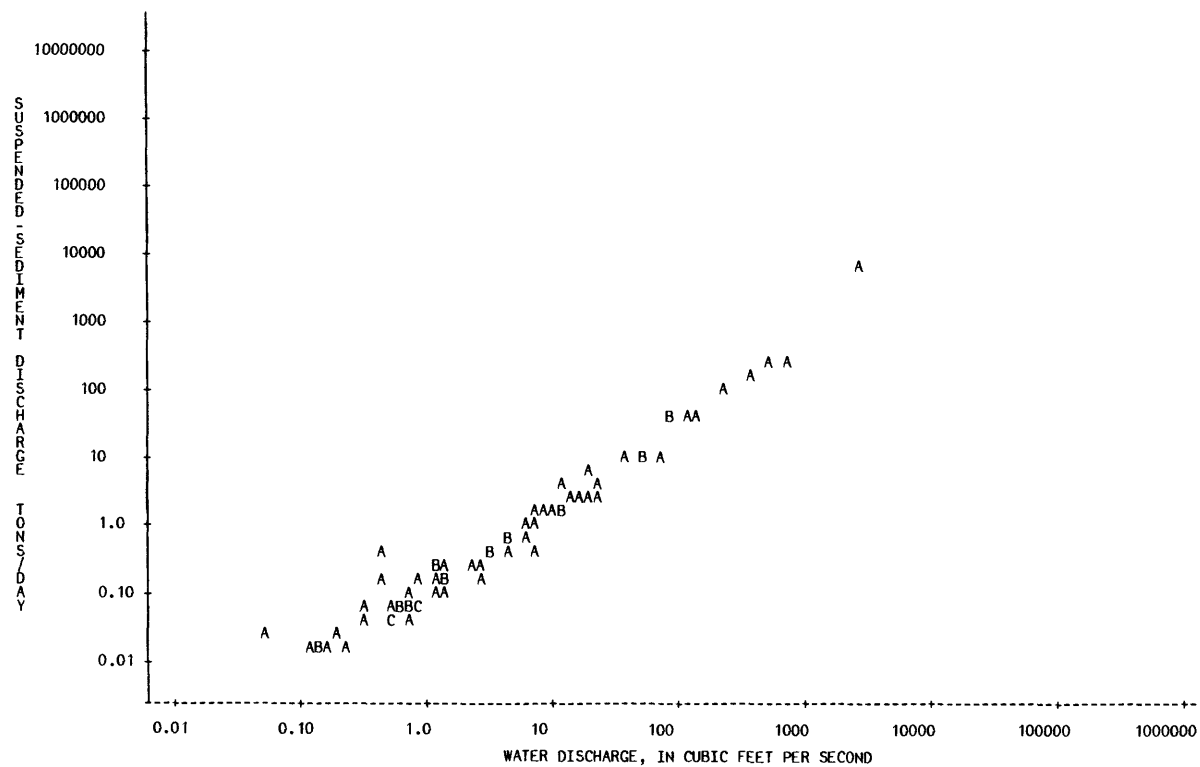
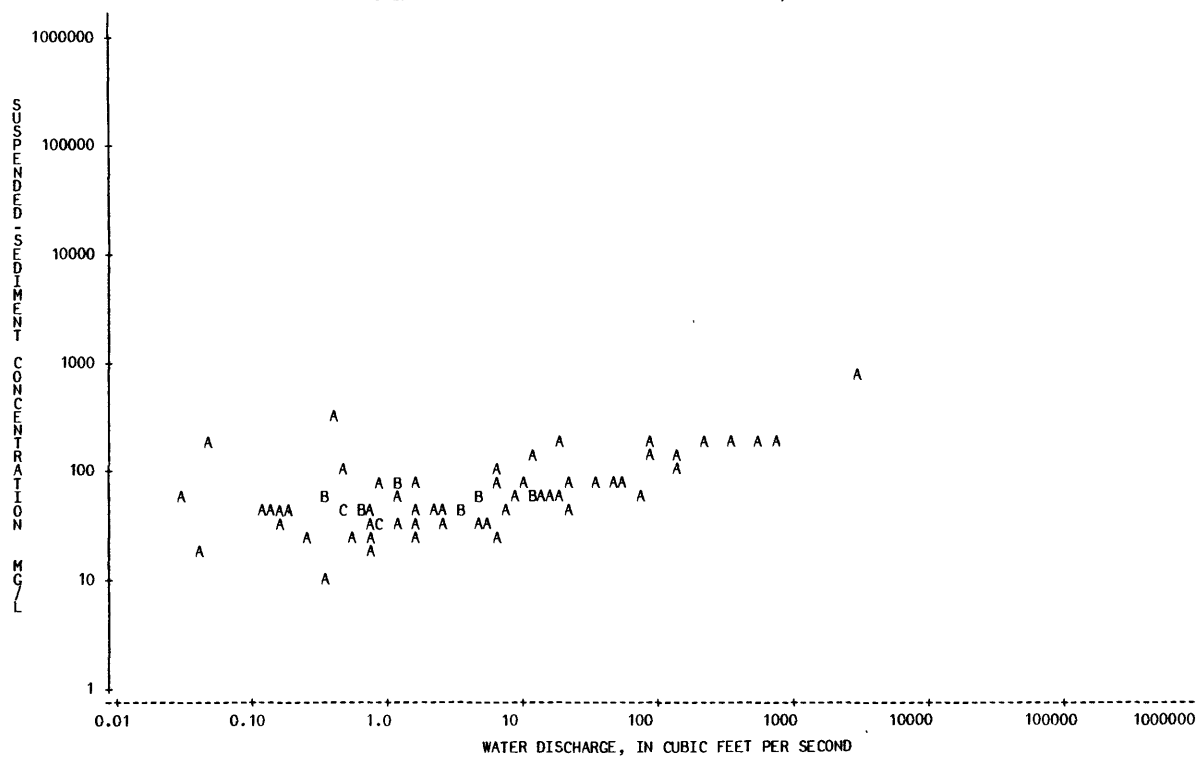
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-06	1300		0.32	53	0.05	80-02-12	1230		16	59	2.5
78-12-20	1545		0.32	61	0.05	80-02-19	1350		3.4	40	0.37
79-01-04	1055		0.64	44	0.08	80-02-26	1340		1.5	35	0.14
79-01-16	1537		6.2	75	1.3	80-03-04	1030		0.89	28	0.07
79-02-13	1145		83	185	42	80-03-11	1020		1.5	25	0.10
79-02-22	1337		36	86	8.4	80-03-18	1210		4.4	30	0.36
79-02-27	1400		514	187	260	80-03-25	1125		5.8	35	0.55
79-03-06	1002		74	55	11	80-04-01	1020		2.5	30	0.20
79-03-12	1210		10.0	66	1.8	80-04-08	1030		0.54	26	0.04
79-03-20	1411		2820	689	5250	80-04-15	1000		0.36	9	0.01
79-03-29	1810		141	95	36	80-04-22	1015		0.75	19	0.04
79-04-12	1415		219	174	103	80-04-29	1505		6.7	25	0.45
79-04-17	1400		23	46	2.9	80-05-02	2024		697	165	311
79-04-23	1715		18	52	2.5	80-05-13	1445		1.2	33	0.11
79-04-26	1200		11	54	1.6	80-05-20	1100		127	146	50
79-05-07	1413		48	78	10	80-05-27	1400		8.3	61	1.4
79-05-15	1400		6.7	92	1.7	80-06-11	0940		1.5	66	0.27
79-05-23	1651		367	175	173	80-06-18	1010		0.15	36	0.01
79-05-30	1245		92	135	34	80-06-25	0915		0.75	27	0.05
79-06-05	1405		22	70	4.2	80-07-03	0730		0.04	19	0.00
79-06-12	1340		52	69	9.7						
79-06-18	1345		13	60	2.1						
79-06-22	1430		4.6	56	0.70						
79-06-27	1355		12	134	4.3						
79-07-05	1545		1.2	75	0.24						
79-07-11	1635		18	159	7.7						
79-07-19	1405		4.4	62	0.74						
79-07-31	1250		0.89	85	0.20						
79-08-08	1328		0.48	42	0.05						
79-08-13	1245		0.16	42	0.02						
79-08-16	1355		0.12	42	0.01						
79-08-18	1130		0.24	21	0.01						
79-08-21	1600		0.13	40	0.01						
79-08-29	1155		0.75	42	0.09						
79-09-06	1235		0.66	41	0.07						
79-09-13	1250		0.18	43	0.02						
79-09-20	1240		0.46	114	0.14						
79-09-26	1315		0.42	305	0.35						
79-10-09	1330		0.03	60	0.00						
79-10-17	1150		0.05	170	0.02						
79-10-24	1235		3.4	38	0.35						
79-11-06	1310		1.2	60	0.19						
79-11-14	1400		0.48	38	0.05						
79-11-20	1610		0.48	39	0.05						
79-11-27	1410		0.89	33	0.08						
79-12-06	1220		0.75	29	0.06						
79-12-13	1315		2.5	41	0.28						
79-12-19	1605		0.89	31	0.07						
79-12-26	1150		7.1	44	0.84						
80-01-02	1245		2.2	37	0.22						
80-01-17	1130		1.2	66	0.21						
80-01-23	1015		12	50	1.6						
80-02-05	1310		1.5	44	0.18						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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07231990 PEACEABLE CREEK NEAR HAILEYVILLE, OKLA.



## ARKANSAS RIVER BASIN

07232000 GAINES CREEK NEAR KREBS, OKLA.

LOCATION.--Lat 34°59', long 95°37', in NE 1/4 sec.21, T.6 N., R.16 E., Pittsburg County, Hydrologic Unit 11090204, of county highway bridge, 0.8 mi (1.3 km) upstream from Nutter Creek and 6.5 mi (10.5 km) northeast of Krebs.

DRAINAGE AREA.--588 mi<sup>2</sup> (1,523 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-46, 1949-55.

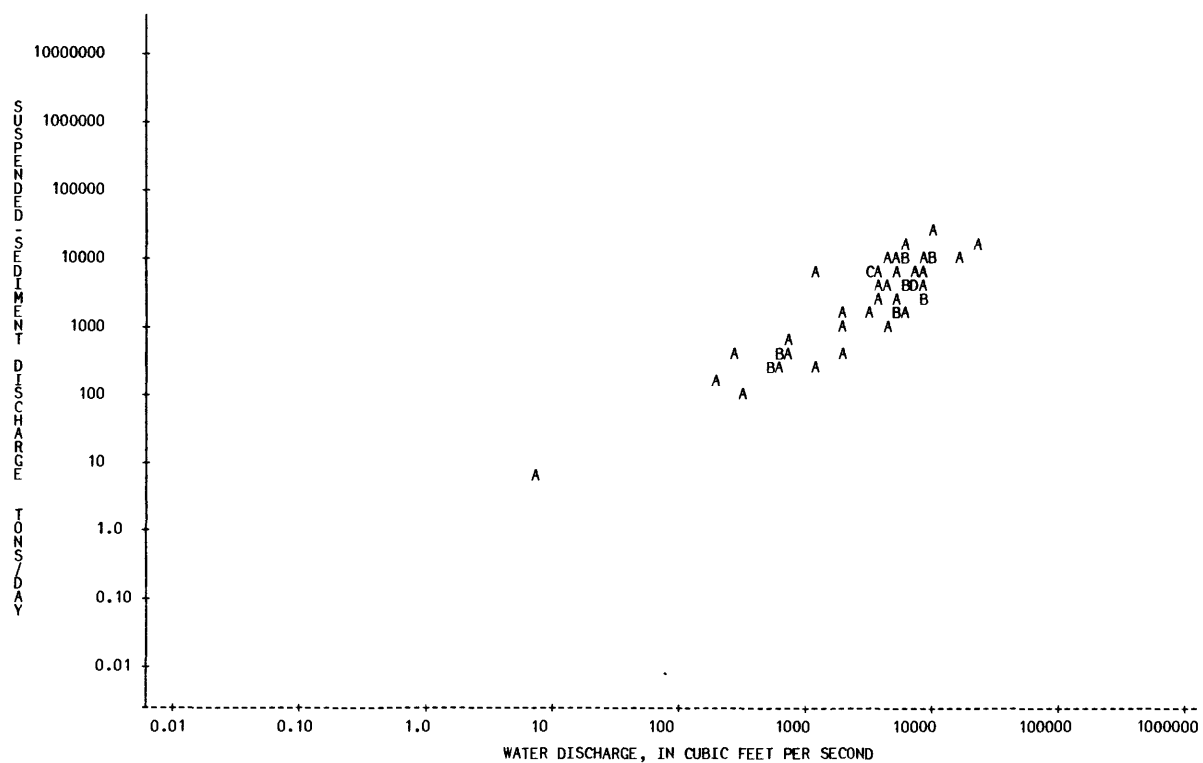
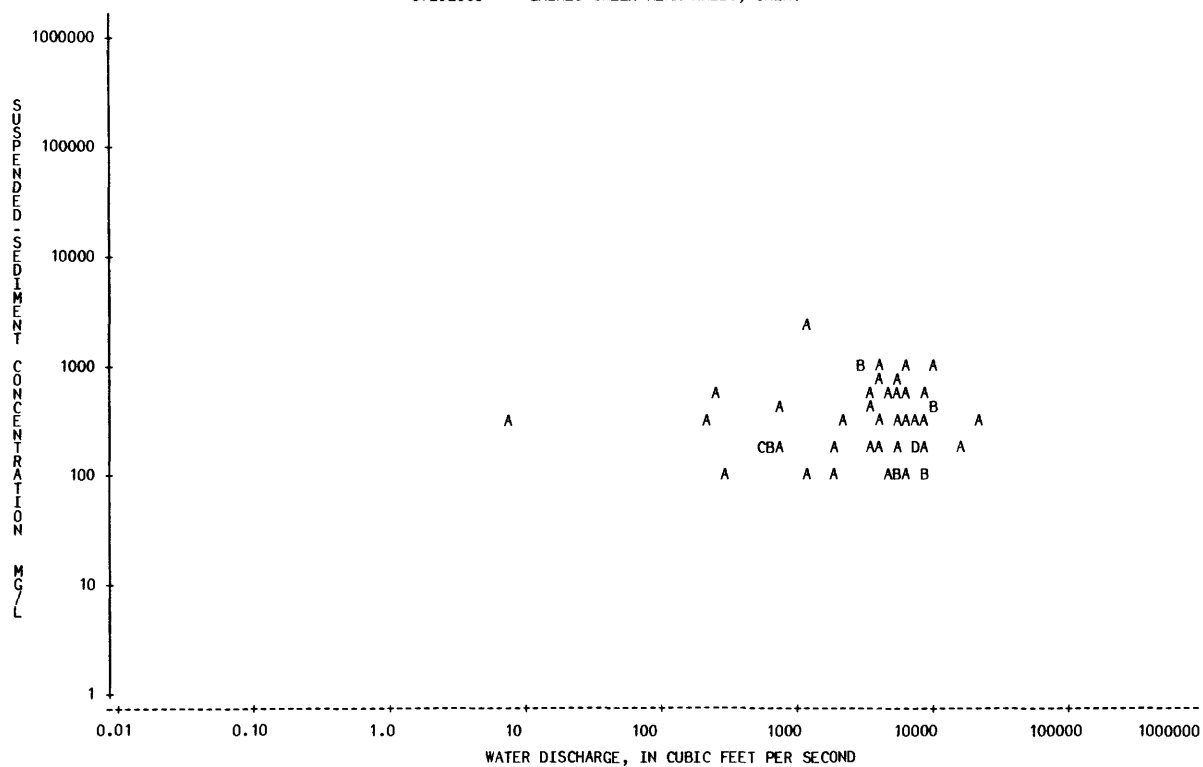
REMARKS.--Initial floodwater-retarding structure was completed in May 1975. Construction is continuing with 81 mi<sup>2</sup> (210 km<sup>2</sup>) currently controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-02-28			3720	800	A	8040					
44-03-02			4400	100	A	1190					
44-03-17			562	200	A	303					
44-04-21			536	200	A	289					
44-06-07			5790	300	A	4690					
44-10-04			7.0	300	A	5.7					
45-02-21			5930	900	A	14400					
45-02-23			15400	200	A	8320					
45-03-13			3960	200	A	2140					
45-04-13			2070	300	A	1680					
46-01-11	0001		3540	400	A	3820					
46-02-19			5750	600	A	9320					
46-02-20			8080	500	A	10900					
46-04-25			5180	100	A	1400					
46-05-24			1890	200	A	1020					
49-02-07			723	400	A	781					
49-02-14			4150	900	A	10100					
50-01-10			1150	100	A	311					
50-01-24			204	300	A	165					
50-02-08			586	200	A	316					
50-02-16			1840	100	A	497					
50-05-02			643	200	A	347					
50-05-13			7320	200	A	3950					
50-07-05			3150	900	A	7650					
50-07-18			3310	600	A	5360					
50-09-18			23100	300	A	18700					
50-09-20			6510	100	A	1760					
51-02-19			6070	300	A	4920					
51-02-20			7560	200	A	4080					
51-06-11			3400	200	A	1840					
51-06-13			8240	300	A	6670					
51-06-18			700	200	A	378					
51-07-24			249	600	A	403					
52-03-04			2980	900	A	7240					
52-04-14			8930	100	A	2410					
52-04-22			4260	300	A	3450					
52-06-02			1120	2600	A	7860					
53-03-16			10600	400	A	11400					
53-03-18			6940	300	A	5620					
53-03-23			311	100	A	84					
53-04-07			5110	200	A	2760					
53-04-13			649	200	A	350					
53-04-24			5300	700	A	10000					
53-04-25			9800	400	A	10600					
53-04-26			10100	1100	A	30000					
53-04-27			5100	100	A	1380					
53-04-30			8700	200	A	4700					
54-05-01			5000	600	A	8100					
54-05-02			7580	200	A	4090					
54-05-03			7580	200	A	4090					
55-03-21			6380	500	A	8610					
55-03-23			8750	100	A	2360					

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07232000 GAINES CREEK NEAR KREBS, OKLA.



## ARKANSAS RIVER BASIN

07232010 BLUE CREEK NEAR BLOCKER, OKLA.

LOCATION.--Lat 34°02'26", long 95°34'21", SW 1/4 NW 1/4 sec.36, T.7 N., R.16 E., Pittsburg County, Hydrologic Unit 11090204 on right bank at downstream side of bridge on State Highway 31, 1.5 mi (2.4 km) south of Blocker and at mile 3.9 (6.3 km).

DRAINAGE AREA.--12.1 mi<sup>2</sup> (31.3 km<sup>2</sup>).

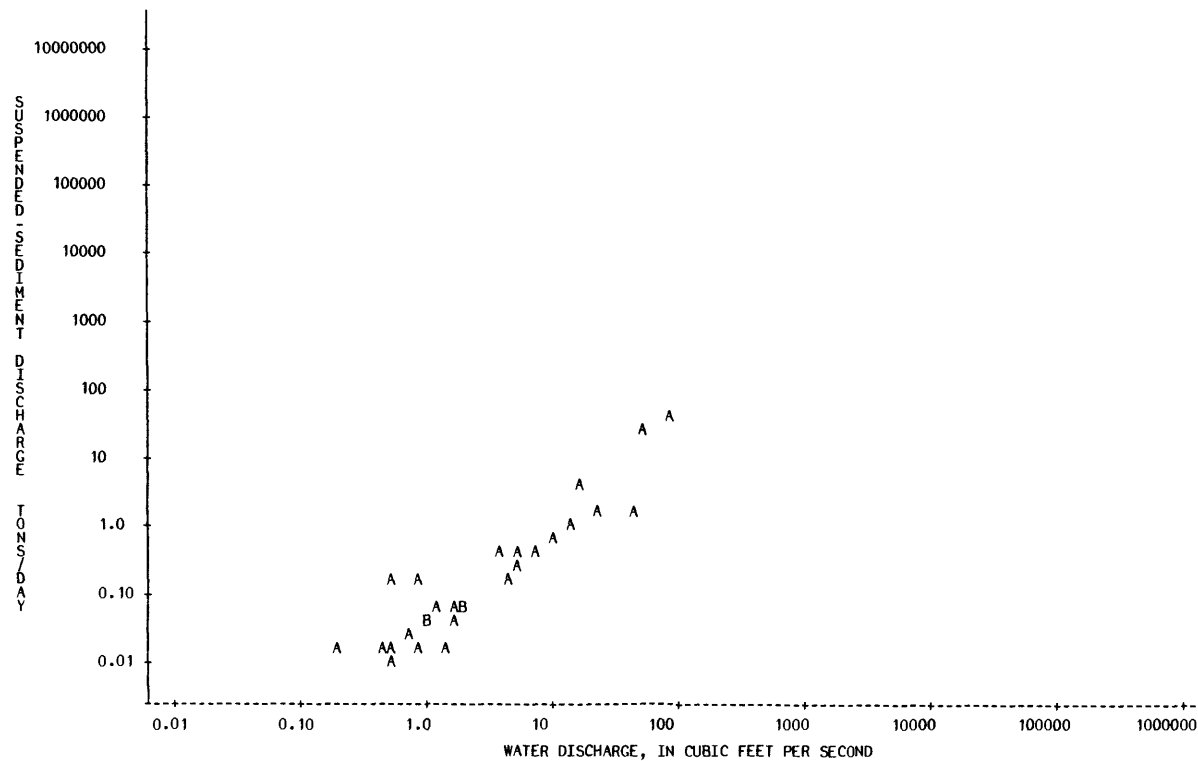
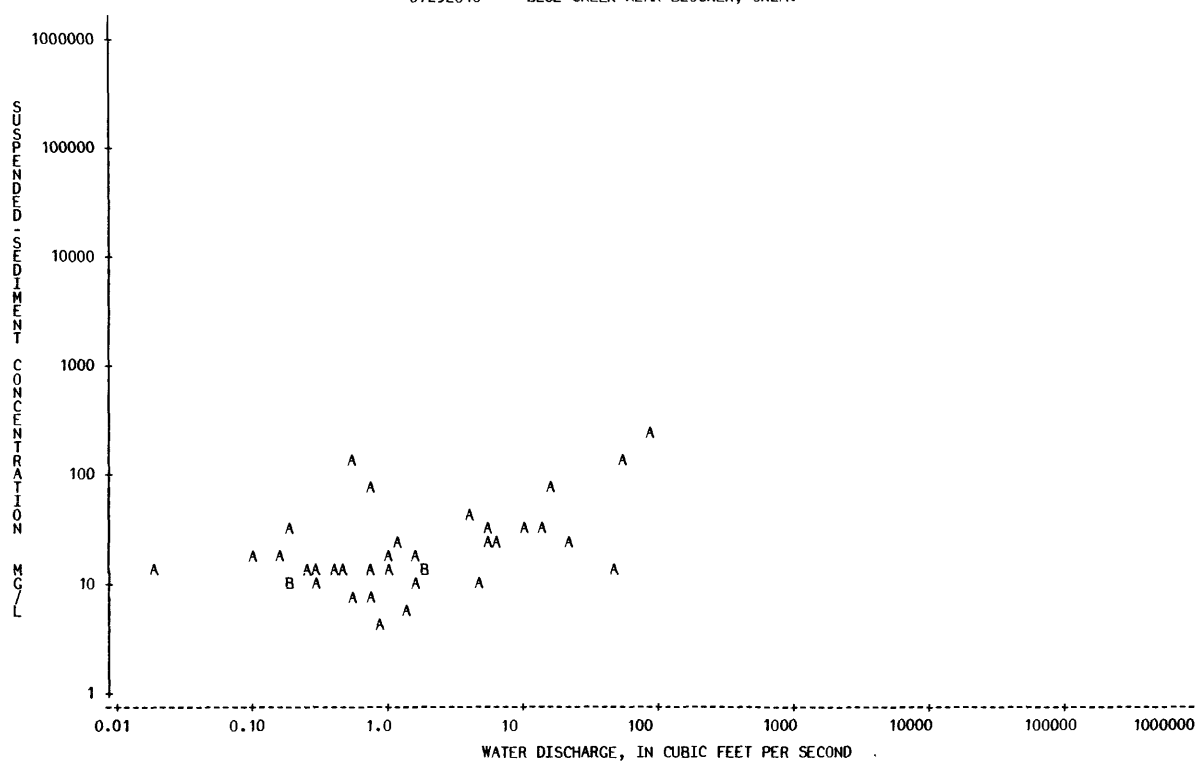
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-01-18		1200	1.1	24	0.07
77-02-09		1200	0.29	12	0.01
77-03-15		1230	0.89	4	0.01
77-04-19		1305	17	72	3.3
77-10-03		1140	0.02	12	0.00
77-12-05		1225	0.19	10	0.01
78-01-26		1520	0.98	15	0.04
78-02-07		1330	0.50	13	0.02
78-03-07		1530	80	235	51
78-04-04		1550	2.0	12	0.06
78-05-03		1630	13	28	0.98
78-06-20		1700	0.98	17	0.04
78-11-20		1400	0.28	9	0.01
78-11-30		0900	0.79	8	0.02
78-12-12		0820	0.19	10	0.01
78-12-18		1210	0.54	8	0.01
79-01-29		1745	2.0	15	0.08
79-02-08		1400	1.6	17	0.07
79-02-27		1230	44	13	1.5
79-03-09		0845	4.7	11	0.14
79-03-23		1100	23	25	1.6
79-04-09		1550	1.6	11	0.05
79-04-19		1400	9.4	32	0.81
79-05-03		1200	56	138	21
79-05-24		1230	5.2	32	0.45
79-06-04		1615	5.2	21	0.29
79-06-27		0905	6.7	21	0.38
79-07-11		1725	0.79	66	0.14
79-10-31		0945	0.54	118	0.17
79-11-09		1150	0.01	44	0.00
79-11-20		0905	0.01	34	0.00
79-12-07		1010	0.17	17	0.01
79-12-21		0845	0.19	36	0.02
80-01-11		1020	0.10	20	0.01
80-01-25		0900	0.24	15	0.01
80-02-15		1215	0.69	13	0.02
80-03-24		1730	3.9	39	0.41
80-04-18		1200	1.3	5	0.02
80-05-28		1125	0.41	13	0.01
80-06-17		1415	0.01	17	0.00

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07232010 BLUE CREEK NEAR BLOCKER, OKLA.



## ARKANSAS RIVER BASIN

07232024 DEER CREEK NEAR MCALESTER, OKLA.

LOCATION.--Lat 34°56'58", long 95°51'00", near center of sec. 32, T.6 N., R.14 E., Pittsburg County, Hydrologic Unit 11090204 on right bank 500 ft (152 m) downstream from bridge on U.S. Highway 270, 0.4 mi (0.6 km) west of junction with Indian Nation Turnpike and 4.1 mi (6.6 km) west of McAlester.

DRAINAGE AREA.--38.3 mi<sup>2</sup> (99.2 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1978-79.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-10-05		2100	2.2	156	0.93	79-01-01		1700	2.9	165	1.3
78-10-10		1900	0.62	97	0.16	79-01-02		1700	2.9	199	1.6
78-10-17	1		0.58*	89	0.14	79-01-03		1800	2.9	103	0.81
78-10-19	3		0.78*	86	0.18	79-01-04		1255	3.0	89	0.72
78-10-23		1700	12	239	7.7	79-01-04		1530	2.7	90	0.66
78-10-24		1800	1.8	104	0.51	79-01-05		1700	3.1	103	0.86
78-10-25	1		1.7 *	71	0.33	79-01-06		1615	3.4	106	0.97
78-10-28	1		1.4 *	179	0.68	79-01-09		1600	3.0	97	0.79
78-10-30	1		1.4 *	55	0.21	79-01-10		1600	2.5	84	0.57
78-11-02	2		1.5 *	75	0.30	79-01-11		1600	3.5	120	1.1
78-11-08	1		1.8 *	82	0.40	79-01-12		1500	4.0	112	1.2
78-11-10			1.9 *	86	0.44	79-01-16		0800	2.5	79	0.53
78-11-11		1720	1.4	336	1.3	79-01-16		1600	5.2	125	1.8
78-11-12	2		3.4 *	55	0.50	79-01-17		1615	15	92	3.7
78-11-15	1		60 *	278	45	79-01-18		1600	12	105	3.4
78-11-17		1630	35	226	21	79-01-19		1700	9.9	119	3.2
78-11-18		1500	9.9	177	4.7	79-01-20		1530	8.8	119	2.8
78-11-19		1430	4.6	140	1.7	79-01-21		1530	7.7	111	2.3
78-11-20	1		3.7 *	91	0.91	79-01-22		1600	7.7	109	2.3
78-11-22	3		4.5 *	60	0.73	79-01-23		1600	6.8	104	1.9
78-11-26		1600	91	342	84	79-01-24		1630	7.0	132	2.5
78-11-27		1645	20	228	12	79-01-25		1100	7.0	87	1.6
78-11-28	1		4.5 *	97	1.2	79-01-26		1213	16	93	4.0
78-12-01		1700	1.3	94	0.33	79-01-28		1645	12	105	3.4
78-12-04			1.3	86	0.30	79-01-29		1600	12	85	2.8
78-12-05		1630	1.4	141	0.53	79-01-30		1815	8.3	193	4.3
78-12-06		1645	1.3	142	0.50	79-02-16		1215	11	72	2.1
78-12-07		1415	4.6	143	1.8	79-02-23		1255	772	700	1460
78-12-07		1700	3.9	122	1.3	79-02-28		1530	93	140	35
78-12-08		1725	4.8	112	1.5	79-03-06		1217	21	67	3.8
78-12-10		1630	2.2	392	2.3	79-03-13		1257	3.0	182	1.5
78-12-11		1630	2.2	301	1.8	79-03-20		0743	953	452	1160
78-12-12		1715	2.1	104	0.59	79-03-30		1220	26	123	8.6
78-12-13		1630	2.0	101	0.55	79-04-13		1420	22	109	6.5
78-12-14		1430	2.0	226	1.2	79-04-18		0810	6.1	158	2.6
78-12-14		1615	2.0	99	0.53	79-04-24		1145	7.8	126	2.7
78-12-16		1630	2.2	95	0.56	79-04-26		1513	3.4	132	1.2
78-12-17		1700	2.2	88	0.52	79-05-08		1230	4.7	100	1.3
78-12-18		1700	2.0	66	0.36	79-05-15		1638	2.6	67	0.46
78-12-19		1630	2.2	270	1.6	79-05-30		1510	31	99	8.3
78-12-20		1630	2.3	132	0.82	79-06-06		1302	8.3	160	3.6
78-12-21		1300	2.1	138	0.78	79-06-12		1637	17	84	3.9
78-12-21		1630	4.4	109	1.3	79-06-18		1645	2.6	162	1.1
78-12-22		1700	4.4	137	1.6	79-06-22		1730	2.3	162	1.0
78-12-23		1630	4.1	125	1.4	79-06-27		1625	3.2	133	1.1
78-12-24		1700	4.1	111	1.2	79-07-05		1715	0.96	271	0.70
78-12-26		1630	3.9	70	0.74	79-07-11		1900	6.9	152	2.9
78-12-27		1700	4.2	100	1.1	79-07-19		1555	2.2	242	1.4
78-12-28		1730	3.7	97	0.97	79-07-30		1853	1.5	129	0.52
78-12-29		1130	4.2	140	1.6	79-08-08		1543	1.4	259	0.98
78-12-29		1230	3.4	134	1.2	79-08-13		1430	2.2	225	1.3
78-12-30		1700	3.0	153	1.2	79-08-17		0800	1.2	129	0.42
78-12-31		1700	3.0	140	1.1	79-08-22		0815	64	593	102

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

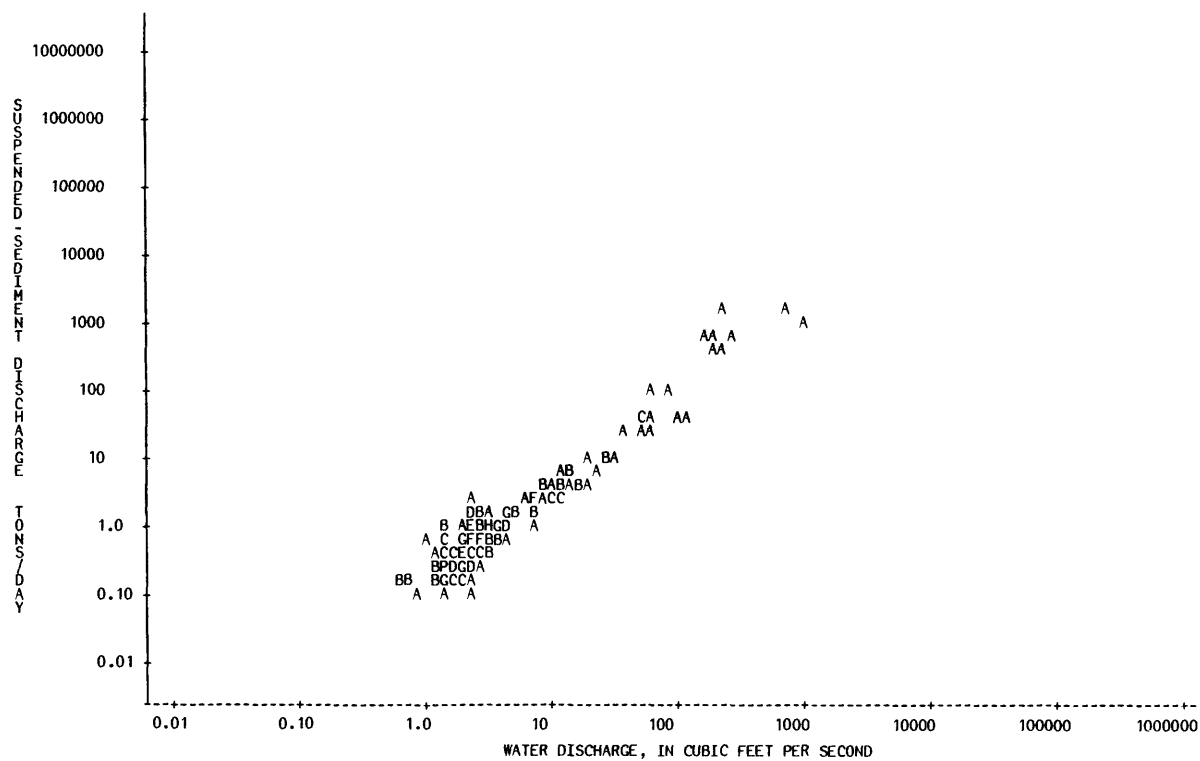
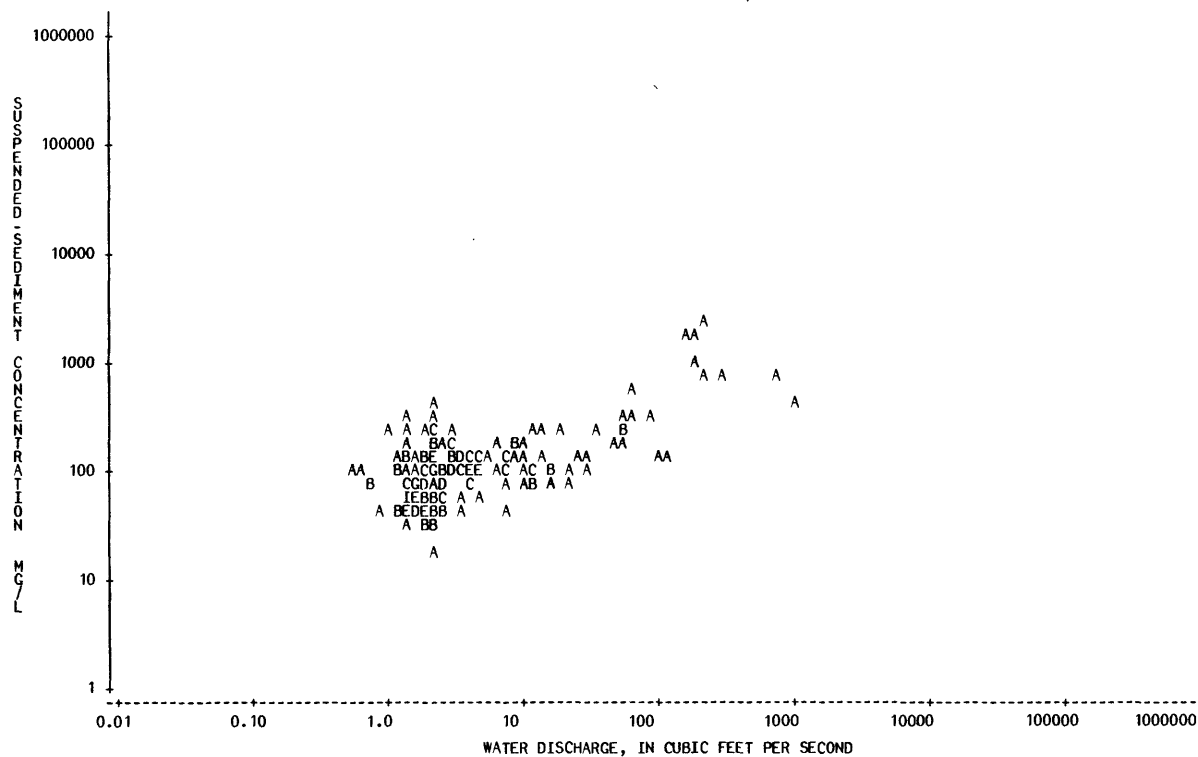
07232024 DEER CREEK NEAR MCALESTER, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-08-29		1335	2.2	109	0.65	80-06-25		1615	1.9	40	0.21
79-09-07		0800	2.6	74	0.52	80-07-02		1850	1.4	44	0.17
79-09-14		0730	2.3	138	0.86	80-07-02		1942	1.4	79	0.30
79-09-21		0910	9.8	105	2.8	80-07-09		1600	2.2	115	0.68
79-09-27		0805	2.1	107	0.61	80-07-09		1625	2.3	63	0.39
79-09-27		1800	29	133	10	80-07-16		1225	1.5	66	0.27
79-09-28		0930	126	124	42	80-07-16		1235	1.5	57	0.23
79-10-03		1750	2.3	138	0.86	80-07-23		1510	0.88	46	0.11
79-10-09		1523	2.3	123	0.76	80-07-25		1402	0.78	79	0.17
79-10-17		1635	55	260	39						
79-10-24		1350	2.0	124	0.67						
79-11-06		1705	3.3	106	0.94						
79-11-14		1520	1.6	65	0.28						
79-11-21		1030	11	89	2.6						
79-11-28		1050	1.1	102	0.30						
79-11-28		1120	1.1	105	0.31						
79-12-04	1		1.4 *	39	0.15						
79-12-06		1300	1.4	64	0.24						
79-12-06		1630	1.5	58	0.23						
79-12-06		1645	1.3	76	0.27						
79-12-07		1230	1.8	62	0.30						
79-12-07		1530	1.8	51	0.25						
79-12-08	7		2.6 *	50	0.35						
79-12-14		0842	4.0	80	0.86						
79-12-18	2		2.2 *	28	0.17						
79-12-20		1200	2.5	46	0.31						
79-12-20		1215	2.7	63	0.46						
79-12-21	2		2.2 *	52	0.31						
79-12-24		1330	11	75	2.2						
79-12-25		1030	3.9	76	0.80						
79-12-26		0900	1.5	82	0.33						
79-12-26		1523	1.5	80	0.32						
79-12-26		1525	1.5	77	0.31						
79-12-27	1		1.4 *	53	0.20						
80-01-01	1		1.3 *	30	0.11						
80-01-02		1640	1.4	56	0.21						
80-01-02		1650	1.3	43	0.15						
80-01-02		1742	1.4	43	0.16						
80-01-09		1555	1.4	57	0.22						
80-01-09		1600	1.4	56	0.21						
80-01-18		1140	1.7	108	0.50						
80-01-18		1205	1.6	39	0.17						
80-01-22		1325	3.6	103	1.0						
80-02-05		1530	1.6	43	0.19						
80-02-05		1600	1.7	77	0.35						
80-02-13		1145	3.3	45	0.40						
80-02-19		1520	1.9	29	0.15						
80-02-19		1525	1.9	35	0.18						
80-02-27		0043	2.3	33	0.20						
80-02-27		0900	2.3	16	0.10						
80-03-05		0855	1.7	47	0.22						
80-03-12		0830	2.0	40	0.22						
80-03-12		0835	2.1	46	0.26						
80-03-18		1455	4.4	111	1.3						
80-03-18		1502	2.8	269	2.0						
80-03-25		1550	2.4	39	0.25						
80-04-02		0815	1.6	38	0.16						
80-04-02		0820	1.8	46	0.22						
80-04-09		0820	1.3	62	0.22						
80-04-09		0825	1.3	62	0.22						
80-04-16		0718	1.1	49	0.15						
80-04-16		0735	1.1	49	0.15						
80-04-23		0810	1.3	56	0.20						
80-04-23		0815	1.3	46	0.16						
80-04-29		1655	1.6	52	0.22						
80-04-29		1700	1.6	60	0.26						
80-05-02		1314	50	201	27						
80-05-02		1317	52	297	42						
80-05-02		1323	55	233	35						
80-05-02		1327	57	187	29						
80-05-02		1530	169	1700	776						
80-05-02		1615	213	2450	1410						
80-05-02		1815	291	770	605						
80-05-14		0855	1.9	38	0.19						
80-05-14		0857	1.8	48	0.23						
80-05-15		2030	186	1580	793						
80-05-16		0200	224	669	405						
80-05-18		1630	186	992	498						
80-05-20		1507	13	218	7.7						
80-05-20		1517	13	154	5.4						
80-05-27		1356	2.5	102	0.69						
80-05-27		1550	2.4	62	0.40						
80-06-04		0810	2.3	77	0.48						
80-06-04		0820	2.3	92	0.57						
80-06-11		1538	1.8	79	0.38						
80-06-11		1625	2.3	49	0.30						
80-06-18		1530	7.0	109	2.1						
80-06-18		1545	7.0	49	0.93						
80-06-25		1600	1.9	122	0.63						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07232024 DEER CREEK NEAR MCALESTER, OKLA.





## ARKANSAS RIVER BASIN

07232029 MATHULDY CREEK NEAR CROWDER, OKLA.

LOCATION.--Lat 35°04'17", Long 95°36'47", NE 1/4 NE 1/4 sec. 21, T.7 N., R.16 E., Pittsburg County, Hydrologic Unit 11090204, on county road bridge 4.3 miles (6.9 km) southeast of Crowder, and at mile 6.7 (10.8 km).

DRAINAGE AREA.--5.41 mi<sup>2</sup> (14.01 km<sup>2</sup>).

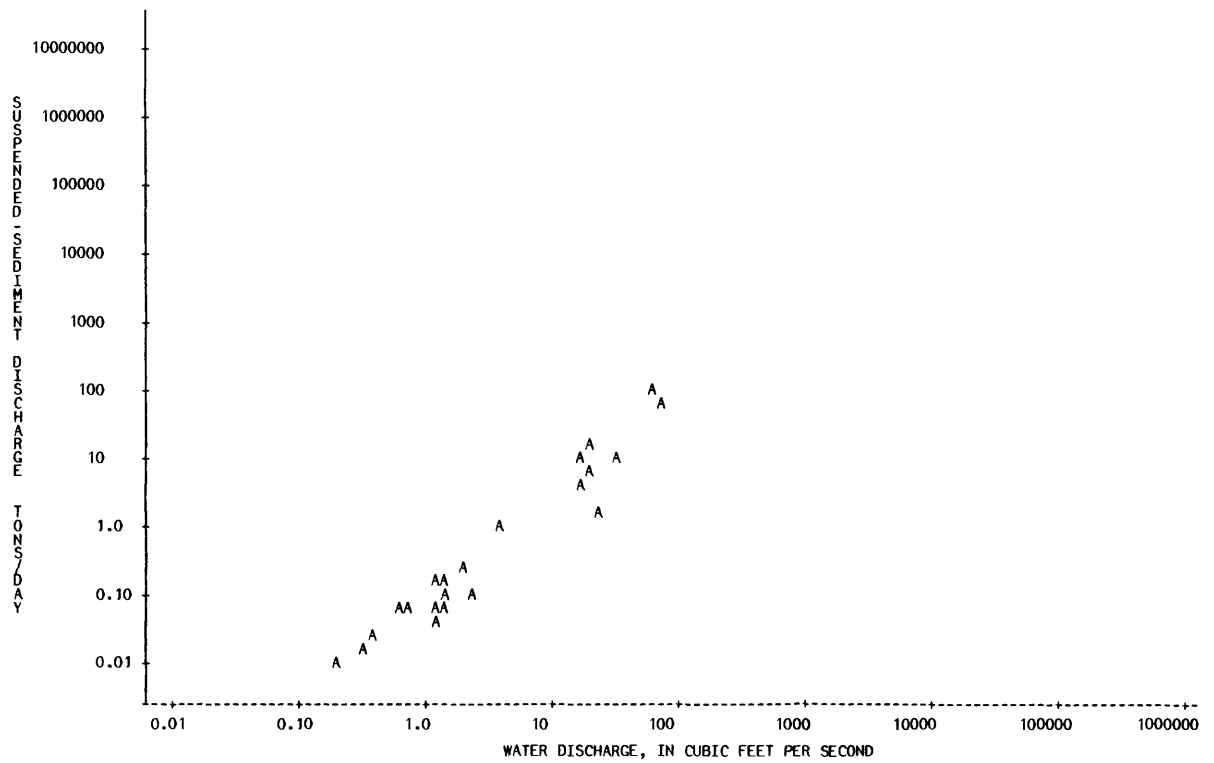
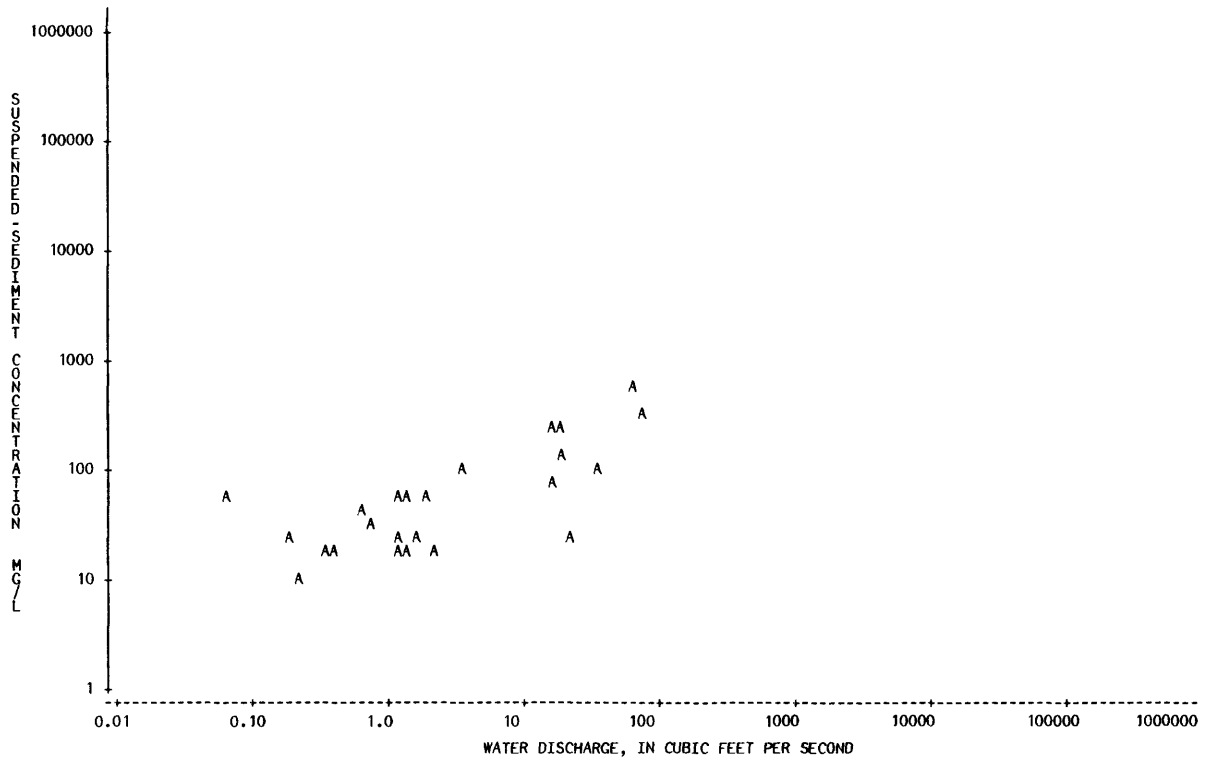
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-03-15		1130	1.5	22	0.09						
77-04-19		1610	22	27	1.6						
77-12-05		1120	0.40	19	0.02						
78-01-26		1400	2.2	18	0.11						
78-03-07		1330	62	632	106						
78-04-05		0810	1.1	22	0.07						
78-05-03		0815	18	272	13						
78-06-21		1145	0.23	10	0.01						
78-11-30		1230	0.18	22	0.01						
79-01-29		1450	0.74	32	0.06						
79-02-14		1115	3.6	88	0.86						
79-02-23		1015	20	131	7.1						
79-03-09		1030	1.3	16	0.06						
79-03-22		1630	32	96	8.3						
79-04-06		0855	1.1	16	0.05						
79-04-20		1000	1.1	60	0.18						
79-05-03		1545	17	72	3.3						
79-05-24		1015	1.3	51	0.18						
79-06-04		1345	0.65	44	0.08						
79-06-21		1655	16	244	11						
79-06-21		2012	70	309	58						
79-07-13		0830	0.06	55	0.01						
80-02-19		1400	0.01	58	0.00						
80-03-25		1040	1.8	57	0.28						
80-05-28		1530	0.34	20	0.02						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07232029 MATHULDY CREEK NEAR CROWDER, OKLA.



## ARKANSAS RIVER BASIN

07232500 BEAVER RIVER NEAR GUYMON, OKLA.  
(Headwater of the North Canadian River)

LOCATION.--Lat 36°43'24", long 101°29'30", NW 1/4 SW 1/4 sec.18, T.3 N., R.15 E., Texas County, Hydrologic Unit 11100101, near center of span on downstream side of pier of bridge on U.S. Highway 64 at Dry Sand Draw, 1.2 mi (1.9 km) upstream from Goff Creek, 2.5 mi (4.0 km) north of Guymon, and at mile 650.7 (1,047.0 km).

DRAINAGE AREA.--2,139 mi<sup>2</sup> (5,540 km<sup>2</sup>), which includes that of Dry Sand Draw and of which 964 mi<sup>2</sup> (2,497 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1937-65, 1967-68, 1972, 1975-78.

REMARKS.--Prior to October 1970 water-discharge records published as North Canadian River near Guymon.  
Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
37-06-03			540	45200	A 65900	41-07-21			2.0	1900	A 10
38-05-19			1.0	200	A 0.54	41-07-28			8.0	2000	A 43
38-06-09			75	9500	A 1920	41-08-21			1950	54200	A 285000
38-06-21			11	700	A 21	41-08-25			2.0	1900	A 10
38-07-19			106	30800	A 8810	41-09-22			2720	69100	A 507000
38-07-28			1.0	300	A 0.81	41-10-13			18	700	A 34
38-07-29			791	86200	A 184000	42-07-20			28	3300	A 249
38-08-04			2.0	6300	A 34	42-08-10			8.0	600	A 13
38-08-05			1.0	1000	A 2.7	42-09-04			45	48300	A 5870
38-08-12			402	30300	A 32900	42-09-30			1.0	1200	A 3.2
38-09-03			182	35000	A 17200	43-07-12			1.0	600	A 1.6
38-09-05			5520	46800	A 698000	43-08-06			219	9700	A 5740
38-09-20			4.0	200	A 2.2	43-08-07			25	2500	A 169
38-09-28			2.0	100	A 0.54	43-12-21			10.0	200	A 5.4
38-10-10			403	28100	A 30600	44-01-27			31	900	A 75
38-11-09			5.0	100	A 1.4	44-02-04			14	100	A 3.8
38-11-16			6.0	100	A 1.6	44-03-02			10.0	200	A 5.4
38-11-29			10.0	300	A 8.1	44-03-27			5.0	500	A 6.8
38-12-06			9.0	100	A 2.4	44-04-04			6.0	200	A 3.2
38-12-28			5.0	200	A 2.7	44-04-13			14	100	A 3.8
39-01-12			10.0	400	A 11	44-04-29			73	2200	A 434
39-01-14			10.0	100	A 2.7	44-05-04			16	300	A 13
39-01-24			6.0	200	A 3.2	44-05-11			63	2100	A 357
39-02-01			5.0	100	A 1.4	44-05-17			7.0	400	A 7.6
39-02-14			10.0	200	A 5.4	44-05-27			88	1100	A 261
39-08-02			12	48500	A 1570	44-06-01			9.0	400	A 9.7
39-08-15			9.0	15700	A 382	44-06-06			8.0	200	A 4.3
40-01-30			58	2500	A 391	44-07-24			9.0	600	A 15
40-02-27			10.0	600	A 16	44-09-30			1.0	200	A 0.54
40-05-18	0001		1270	37500	A 129000	44-10-17			2.0	200	A 1.1
40-05-18	0002		4600	28100	A 349000	44-10-18			1.0	200	A 0.54
40-05-22			14	1000	A 38	44-10-30			1.0	200	A 0.54
40-05-28			4090	46200	A 510000	44-11-08			6.0	100	A 1.6
40-06-13			13	6900	A 242	44-11-11			3.0	300	A 2.4
40-08-08			564	15100	A 23000	44-11-13			3.0	200	A 1.6
40-09-03			56	4400	A 665	44-11-22			3.0	100	A 0.81
41-03-26			21	500	A 28	44-11-29			4.0	200	A 2.2
41-04-14			20	6600	A 356	44-12-06			22	4500	A 267
41-04-16			9.0	800	A 19	44-12-12			9.0	300	A 7.3
41-05-03			9300	88900	A 2230000	44-12-20			8.0	100	A 2.2
41-05-12			17	1200	A 55	44-12-26			5.0	100	A 1.4
41-05-20			50	4100	A 553	45-01-01			6.0	100	A 1.6
41-05-27			9.0	2700	A 66	45-01-11			6.0	200	A 3.2
41-06-02			18	1800	A 87	45-01-25			16	200	A 8.6
41-06-08			782	22100	A 46700	45-02-08			9.0	200	A 4.9
41-06-18			1340	77300	A 280000	45-02-14			7.0	300	A 5.7
41-06-20			19	33100	A 1700	45-02-21			12	300	A 9.7
41-06-27			501	72100	A 97500	45-02-27			11	300	A 8.9
41-06-30			7.0	37400	A 707	45-03-08			9.0	100	A 2.4
41-07-02			1770	48300	A 231000	45-03-14			11	100	A 3.0
41-07-05			3730	69900	A 704000	45-04-05			12	300	A 9.7
41-07-13			939	28300	A 71700	45-04-11			2.0	400	A 2.2
41-07-14			138	28700	A 10700	45-04-18			6.0	300	A 4.9

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

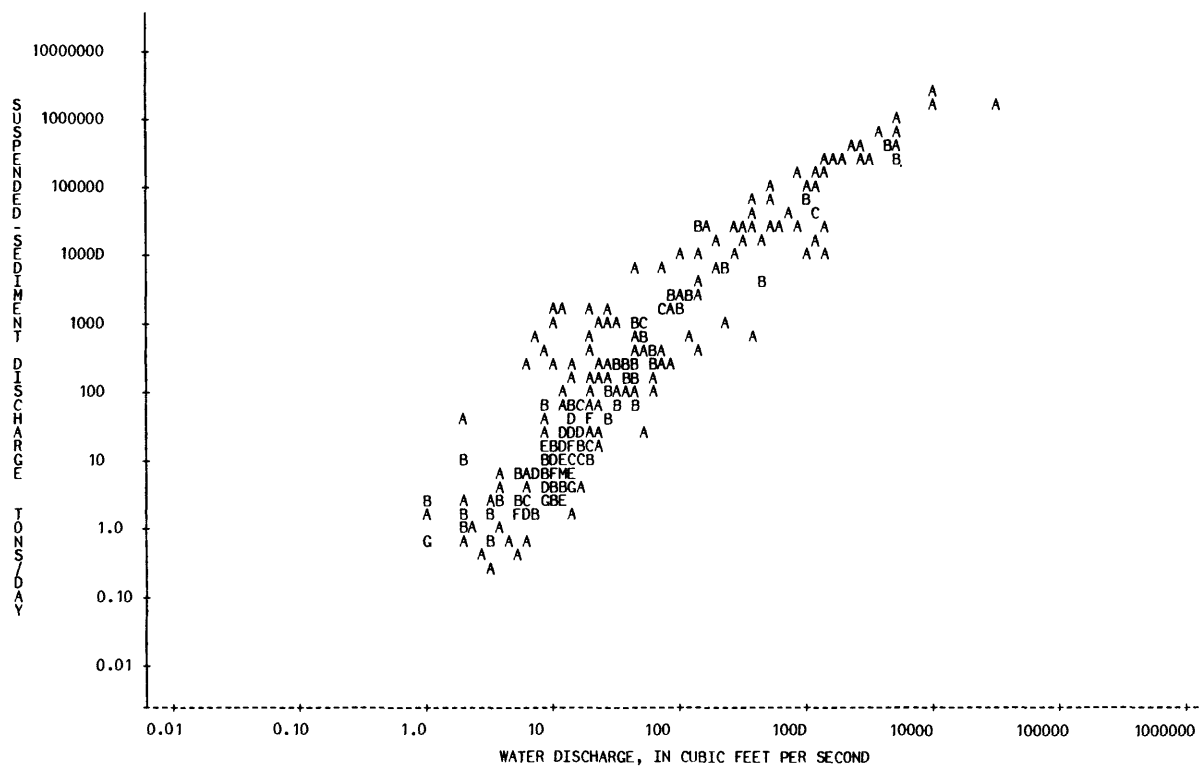
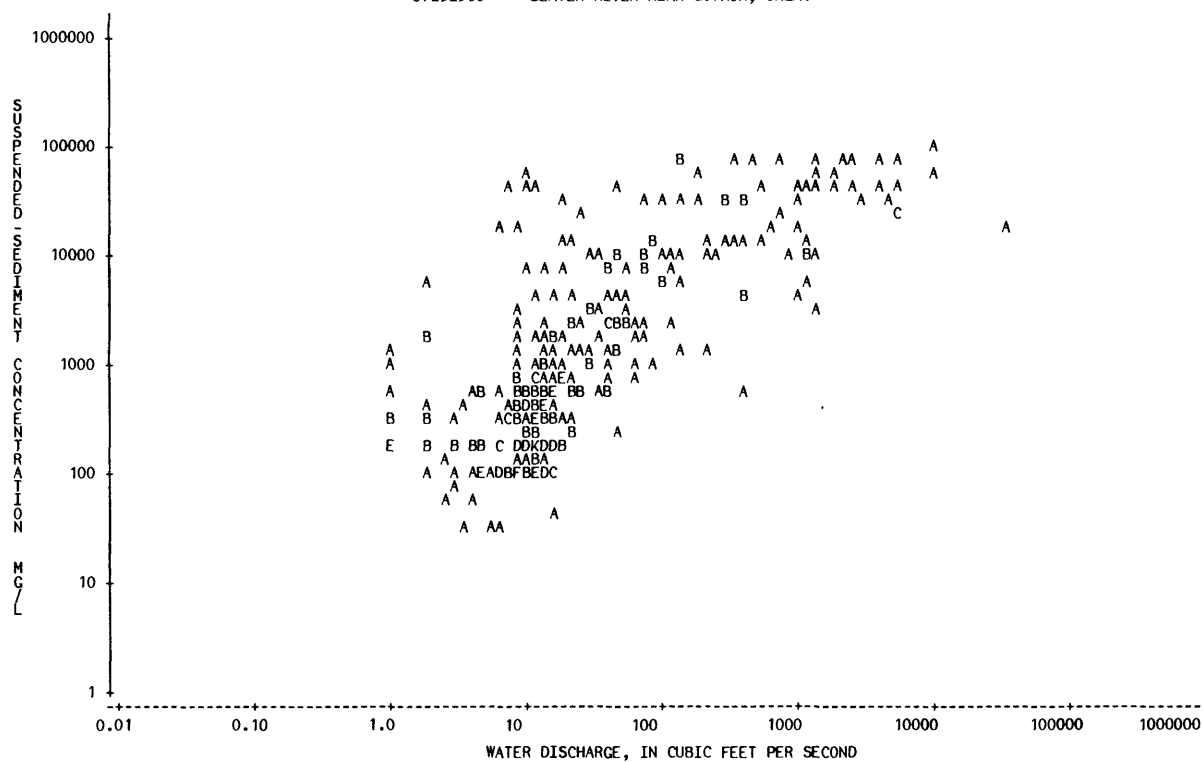
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-04-26			8.0	100	A 2.2	51-01-17			17	400	A 18
45-05-01			5.0	100	A 1.4	51-01-19			15	300	A 12
45-05-09			5.0	200	A 2.7	51-02-08			34	600	A 55
45-05-16			7.0	100	A 1.9	51-02-21			12	400	A 13
45-05-21			2.0	200	A 1.1	51-02-27			14	400	A 15
45-05-29			2.0	300	A 1.6	51-03-01			12	200	A 6.5
45-06-04			5.0	500	A 6.8	51-03-14			12	300	A 9.7
45-06-11			2.0	300	A 1.6	51-03-16			11	200	A 5.9
45-06-20			1.0	300	A 0.81	51-03-21			13	400	A 14
45-07-03			4.0	100	A 1.1	51-04-03			11	200	A 5.9
45-07-09			8.0	700	A 15	51-04-06			15	200	A 8.1
45-07-12			1220	10500	A 34600	51-04-10			8.0	200	A 4.3
45-07-13			79	6900	A 1470	51-06-12			108	9400	A 2740
45-07-17			100	6200	A 1670	51-06-15			19	14700	A 754
45-08-14			1.0	200	A 0.54	51-06-21			21	2500	A 142
45-10-01			7.0	300	A 5.7	51-07-11			42	2600	A 295
45-11-05			5.0	100	A 1.4	51-07-23			39	2500	A 263
46-02-18			40	1200	A 130	51-08-01			55	7700	A 1140
46-05-28			46	2100	A 261	51-08-21			204	14200	A 7820
46-05-29			3130	31400	A 265000	52-02-26			12	100	A 3.2
46-06-04			13	1400	A 49	52-03-07			12	100	A 3.2
46-07-08			33	9400	A 838	52-03-10			23	500	A 31
46-08-15			115	8300	A 2580	52-03-14			12	200	A 6.5
46-08-16			1460	50100	A 197000	52-03-17			11	100	A 3.0
46-08-19			236	9000	A 5730	52-04-21			42	4800	A 544
46-08-23			19	700	A 36	52-04-24			17	1600	A 73
46-08-28			5220	23000	A 324000	52-05-02			11	200	A 5.9
46-09-06			6.0	500	A 8.1	52-07-17			142	9900	A 3800
46-11-07			25	500	A 34	52-08-07			22	2300	A 137
46-11-14			16	200	A 8.6	53-01-21			10.0	400	A 11
46-11-22			13	800	A 28	53-02-24			7.0	300	A 5.7
46-11-25			12	700	A 23	53-03-09			11	200	A 5.9
47-04-08			7.0	100	A 1.9	53-05-17			10.0	190	A 5.1
47-04-17			13	500	A 18	53-07-20			344	15300	A 14200
47-04-24			20	200	A 11	53-08-07			10.0	64600	A 1740
47-04-29			9.0	100	A 2.4	53-10-22			80	13900	A 3000
47-05-13			15	100	A 4.0	53-11-06			13	490	A 17
47-05-20			28	1200	A 91	54-04-12			15	640	A 26
47-05-27			16	500	A 22	55-04-01			47	2630	A 334
47-06-05			8.0	100	A 2.2	55-04-30			15	580	A 23
47-07-01			13	300	A 11	55-05-01			286	13200	A 10200
47-07-15			8.0	900	A 19	55-05-19			415	13200	A 14800
47-07-22			6.0	100	A 1.6	55-05-20			2310	79900	A 498000
47-08-19			6.0	17300	A 280	55-05-24			23	15400	A 956
47-08-26			10.0	8200	A 221	55-05-26			1150	12200	A 37900
48-02-25			13	600	A 21	55-05-28			37	830	A 83
48-03-16			18	300	A 15	55-06-03			53	3560	A 509
48-03-25			10.0	400	A 11	55-06-08			13	130	A 4.6
48-03-30			8.0	300	A 6.5	55-06-17			1030	20300	A 56500
48-05-25			27	1200	A 87	55-08-08			147	6380	A 2530
48-06-01			5350	65700	A 949000	56-01-24			14	200	A 7.6
48-06-08			12	1700	A 55	56-05-27			135	68300	A 24900
48-06-19			11	900	A 27	56-06-22			10.0	600	A 16
48-06-22			175	63500	A 30000	56-06-29			12	3720	A 121
48-06-25			62	1700	A 285	56-07-02			50	8940	A 1210
48-06-29			31	3600	A 301	56-07-17			35	2020	A 191
48-08-05			350	80400	A 76000	56-08-20			87	13800	A 3240
48-09-09			16	1700	A 73	57-03-29			47	1330	A 169
49-02-23			12	100	A 3.2	57-04-24			9.0	2780	A 68
49-03-02			13	100	A 3.5	57-05-02			19	820	A 42
49-03-30			21	700	A 40	57-05-31			22	1360	A 81
49-04-20			16	200	A 8.6	57-06-23			5135	26900	A 373000
49-05-05			20	200	A 11	57-08-06			298	36100	A 29000
49-05-07			32	3500	A 302	58-02-21			10.0	220	A 5.9
49-05-12			11	200	A 5.9	58-03-03			9.0	160	A 3.9
49-05-16			57	2100	A 323	58-04-09			31	1030	A 86
49-05-19			26	600	A 42	58-05-14			10.0	240	A 6.5
49-05-23			15	100	A 4.0	58-05-16			1070	44500	A 129000
49-06-07			130	71900	A 25200	58-05-17			77	34400	A 7150
49-06-09			93	5700	A 1430	58-05-21			8.0	1310	A 28
49-06-15			15	4100	A 166	58-07-07			278	33700	A 25300
49-06-22			14	2100	A 79	58-07-16			2540	45300	A 311000
49-07-28			50	9000	A 1210	58-07-17			42	8040	A 912
50-04-18			11	500	A 15	58-08-21			46	1440	A 179
50-06-20			20	1100	A 59	58-09-05			9460	57300	A 1460000
50-06-30			13	2000	A 70	58-09-08			71	1670	A 320
50-07-14			18	800	A 39	59-02-04			23	300	A 19
50-07-18			1150	11000	A 34200	59-03-23			11	230	A 6.8
50-10-04			15	1000	A 40	59-05-08			41	630	A 70
50-10-09			16	600	A 26	59-06-04			12	210	A 6.8
50-10-18			12	500	A 16	59-07-21			114	8890	A 2740
50-10-23			13	300	A 11	59-10-01			14	890	A 34
50-10-26			12	400	A 13	59-10-30			13	390	A 14
50-11-15			12	300	A 9.7	60-02-15			21	260	A 15
50-11-21			12	200	A 6.5	60-03-11			14	190	A 7.2
50-11-28			13	200	A 7.0	60-04-28			41	7850	A 869
50-12-01			13	200	A 7.0	60-06-13			14	480	A 18
50-12-11			42	900	A 102	60-09-12			10.0	45700	A 1230
50-12-21			11	200	A 5.9	60-10-18			16	610	A 26

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-01-31			14	110	A 4.2
61-03-20			21	270	A 15
62-06-26			1380	3420	A 12700
62-06-27			130	1320	A 463
62-07-06			12	740	A 24
62-11-19			3.0	190	A 1.5
63-02-11			12	160	A 5.2
63-05-20			17	690	A 32
64-06-15			34400	17700	A 1640000
64-06-16			818	10500	A 23200
64-06-17			60	920	A 149
64-06-18			42	520	A 59
65-06-19			1240	48700	A 163000
67-02-27			10.0	110	A 3.0
67-07-17			26	24200	A 1700
67-08-04			28	11300	A 854
67-08-14			10.0	410	A 11
68-05-27			12	120	A 3.9
68-06-17			39	2230	A 235
71-11-16	0001		960	4780	A 12400
71-11-16	0002		1320	8840	A 31500
71-11-16	0003		1220	5080	A 16700
71-11-18			110	2190	A 650
71-11-19			390	580	A 611
71-11-24			18	720	A 35
71-11-30			12	120	A 3.9
71-12-10			17	90	A 4.1
72-01-11			49	220	A 29
72-01-17			12	170	A 5.5
72-05-11	0001		408	4580	A 5050
72-05-11	0002		411	3890	A 4320
72-05-12			223	1480	A 891
72-05-13			59	660	A 105
72-05-22			9.0	120	A 2.9
72-05-30			75	9190	A 1860
75-04-22		1500	6.5	34	0.60
75-05-14		1400	5.2	36	0.51
76-02-11		1530	2.4	138	0.89
76-04-14		1730	3.3	32	0.29
76-04-28			5250	21800	A 309000
76-04-29			653	16900	A 29800
76-06-09	0800		10.0	147	4.0
76-12-28	1400		5.1	114	1.6
77-01-26	0800		15	46	1.9
77-02-23	1530		3.9	531	5.6
77-03-23	1445		4.2	61	0.69
77-04-27	1350		8.8	381	9.1
77-05-25	1515		3.6	478	4.6
77-06-22	1400		3.0	75	0.61
77-07-27	1415		78	8560	1800
77-12-20	0845		2.5 *	50	0.34

\*\*\*\*\*  
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07232500 BEAVER RIVER NEAR GUYMON, OKLA.



## ARKANSAS RIVER BASIN

07233000 COLDWATER CREEK NEAR HARDESTY, OKLA.

LOCATION.--Lat 36°39', long 101°13', NW 1/4 NE 1/4 sec.15, T.2 N., R.17 E., Texas County, Hydrologic Unit 11100103, on downstream side of piling near center of bridge on State Highway 3, 2 mi (3.2 km) northwest of Hardesty and 5.7 mi (9.2 km) upstream from mouth.

DRAINAGE AREA.--1,967 mi<sup>2</sup> (5,094 km<sup>2</sup>), of which 1,200 mi<sup>2</sup> (3,108 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-64.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-06-29			987	14400	A 38400	46-07-01			86	4300	A 998
40-05-07			82	100	A 22	46-07-04			1380	12500	A 46600
40-05-21			29	1300	A 102	46-07-08			10.0	400	A 11
40-05-27			9.0	500	A 12	46-10-10			287	2400	A 1860
40-05-28			237	8600	A 5500	46-10-24			15	100	A 4.0
40-06-12			94	7800	A 1980	46-11-06			42	100	A 11
40-08-08			191	7800	A 4020	46-11-14			22	100	A 5.9
40-09-25			8.0	800	A 17	46-11-22			13	300	A 11
41-04-28			22	300	A 18	47-04-08			6.0	200	A 3.2
41-05-23			279	6100	A 4600	47-04-17			12	200	A 6.5
41-06-09			268	2100	A 1520	47-04-29			10.0	400	A 11
42-06-08			1500	14200	A 57500	47-05-07			6.0	200	A 3.2
42-07-11			102	6500	A 1790	47-05-13			10.0	300	A 8.1
42-10-18			471	8000	A 10200	47-05-20			19	300	A 15
43-03-17			171	100	A 46	48-02-25			10.0	100	A 2.7
43-07-12			1.0	400	A 1.1	48-03-16			24	600	A 39
44-02-04			8.0	100	A 2.2	48-03-25			10.0	100	A 2.7
44-03-02			6.0	100	A 1.6	48-03-30			8.0	100	A 2.2
44-03-27			4.0	400	A 4.3	48-04-08			5.0	200	A 2.7
44-04-04			4.0	700	A 7.6	48-06-29			22	300	A 18
44-04-29			42	1600	A 181	49-02-23			10.0	100	A 2.7
44-05-11			1310	12500	A 44200	49-04-27			5.0	100	A 1.4
44-05-27			47	500	A 63	49-05-07			12	100	A 3.2
44-07-25			409	6200	A 6850	49-05-12			8.0	100	A 2.2
44-12-07			5.0	300	A 4.1	49-05-16			82	1600	A 354
44-12-20			5.0	300	A 4.1	49-05-17			34	200	A 18
44-12-26			2.0	200	A 1.1	49-05-19			20	100	A 5.4
45-01-01			4.0	200	A 2.2	49-05-23			15	200	A 8.1
45-01-11			4.0	100	A 1.1	49-06-15			12	500	A 16
45-01-15			4.0	100	A 1.1	49-06-22			23	300	A 19
45-01-25			8.0	200	A 4.3	49-07-15			16	200	A 8.6
45-01-30			5.0	100	A 1.4	50-02-16			7.0	100	A 1.9
45-02-08			5.0	200	A 2.7	50-02-23			7.0	200	A 3.8
45-02-20			5.0	100	A 1.4	50-03-27			6.0	100	A 1.6
45-02-27			7.0	100	A 1.9	50-04-08			22	1800	A 107
45-03-07			5.0	100	A 1.4	50-04-21			7.0	200	A 3.8
45-03-14			10.0	300	A 8.1	50-04-25			5.0	200	A 2.7
45-03-28			2.0	200	A 1.1	50-06-20			8.0	200	A 4.3
45-04-05			4.0	400	A 4.3	50-07-04			19	500	A 26
45-04-11			1.0	300	A 0.81	50-07-08			13	200	A 7.0
45-04-18			3.0	300	A 2.4	50-07-14			17	200	A 9.2
45-04-26			3.0	300	A 2.4	50-07-21			506	15000	A 20500
45-05-01			3.0	300	A 2.4	50-07-31			5010	20800	A 281000
45-05-09			2.0	200	A 1.1	50-08-29			1380	12300	A 45800
45-05-16			3.0	200	A 1.6	50-08-31			64	2500	A 432
45-06-04			2.0	300	A 1.6	50-10-04			47	1800	A 228
45-06-27			3.0	300	A 2.4	50-10-09			14	700	A 26
45-07-03			7.0	300	A 5.7	50-10-13			10.0	200	A 5.4
45-07-09			5.0	1900	A 26	50-10-18			8.0	300	A 6.5
46-01-02			5.0	300	A 4.1	50-10-26			9.0	300	A 7.3
46-02-18			10.0	800	A 22	50-11-01			6.0	200	A 3.2
46-05-29			140	3900	A 1470	50-11-06			7.0	200	A 3.8
46-06-05			3.0	300	A 2.4	50-11-21			8.0	200	A 4.3

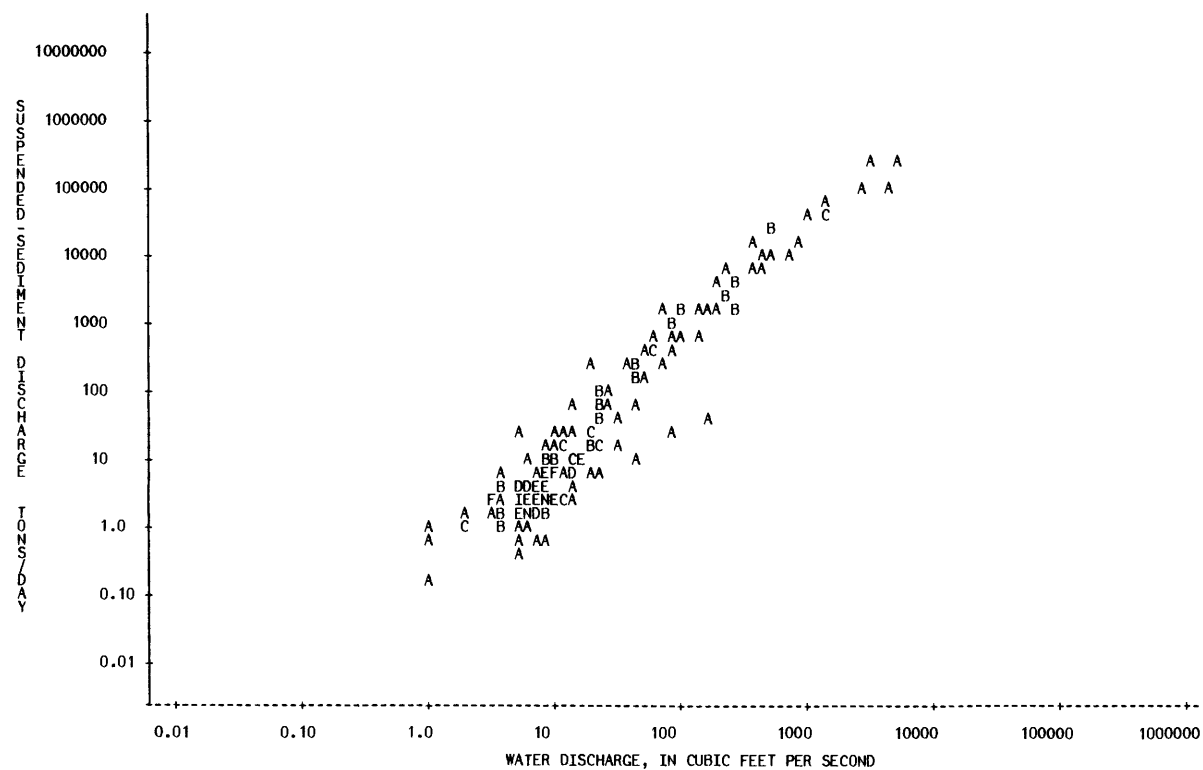
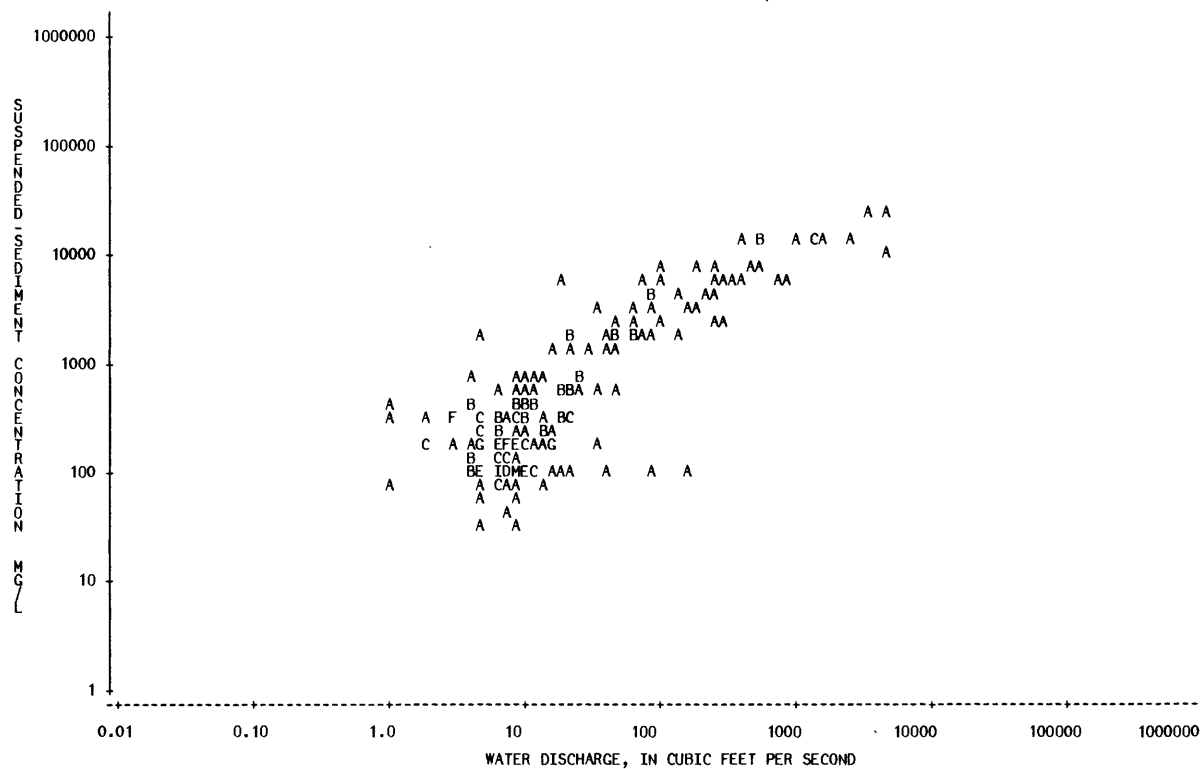
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++											
50-11-24			5.0	100	A	59-06-10			4.0	150	A
50-11-28			9.0	200	A	59-07-16			221	4870	A
50-12-01			8.0	100	A	59-07-17			43	1510	A
50-12-11			16	200	A	59-07-21			6.0	120	A
50-12-21			9.0	100	A	60-01-21			1.0	70	A
51-01-17			16	200	A	60-02-04			19	320	A
51-01-19			11	100	A	60-03-10			7.0	130	A
51-01-26			10.0	100	A	60-03-17			8.0	70	A
51-02-08			16	200	A	60-06-13			10.0	550	A
51-02-21			9.0	100	A	60-09-27			11	470	A
51-02-27			12	700	A	60-10-18			6.0	120	A
51-03-01			9.0	100	A	61-02-16			6.0	100	A
51-03-07			6.0	100	A	61-03-21			13	80	A
51-03-14			8.0	100	A	61-04-07			9.0	30	A
51-03-16			8.0	100	A	61-05-09			9.0	300	A
51-03-21			8.0	100	A	61-05-19			5.0	200	A
51-03-29			24	800	A	61-06-06			11	460	A
51-04-10			8.0	200	A	61-06-27			18	6500	A
51-04-27			11	100	A	62-03-28			7.0	40	A
51-05-14			3350	26300	A	62-04-13			6.0	180	A
51-05-15			385	14900	A	62-05-28			6.0	120	A
51-06-12			77	6400	A	62-06-26	0001	704	5800	A	
51-06-21			10.0	100	A	62-06-26	0002	364	5730	A	
51-07-02			6.0	100	A	62-06-26	0003	263	4950	A	
51-07-23			36	3100	A	62-06-27			87	3170	A
51-08-01			19	600	A	62-07-06			9.0	60	A
51-08-03			3.0	300	A	62-07-20			6.0	620	A
51-11-30			5.0	200	A	62-07-30			5.0	160	A
52-01-09			10.0	200	A	63-02-11			5.0	80	A
52-01-16			6.0	100	A	63-02-26			5.0	60	A
52-02-04			7.0	100	A	63-05-31	0001	138	1560	A	
52-02-26			7.0	200	A	63-05-31	0002	193	3120	A	
52-02-29			6.0	100	A	63-06-03			71	1680	A
52-03-07			9.0	100	A	64-06-15			49	2580	A
52-03-10			22	1200	A						
52-03-14			10.0	200	A						
52-03-17			9.0	100	A						
52-04-21			15	200	A						
52-04-24			8.0	100	A						
52-07-17			545	14500	A						
53-02-24			6.0	300	A						
53-03-09			6.0	200	A						
53-07-23			91	4500	A						
54-04-12			6.0	240	A						
54-05-18			6.0	210	A						
54-08-23			62	2000	A						
55-05-16			102	2460	A						
55-05-17			44	1810	A						
55-05-19			4780	9000	A						
55-05-19	0002		898	6500	A						
55-05-26			2590	11900	A						
55-05-28			65	3510	A						
55-06-03			534	8590	A						
55-08-08			167	3270	A						
56-02-02			5.0	170	A						
56-05-09			5.0	240	A						
56-05-27			62	2070	A						
56-06-01			4.0	140	A						
56-06-15			15	1540	A						
56-08-20			22	1660	A						
57-03-11			5.0	250	A						
57-03-29			32	520	A						
57-04-10			9.0	230	A						
57-05-31			23	590	A						
57-06-28			27	850	A						
57-08-06			48	1310	A						
57-12-04			6.0	100	A						
57-12-30			7.0	180	A						
58-02-21			6.0	300	A						
58-02-24			6.0	80	A						
58-03-03			5.0	220	A						
58-03-13			14	250	A						
58-03-31			9.0	120	A						
58-04-10			8.0	370	A						
58-04-28			6.0	100	A						
58-05-05			7.0	70	A						
58-05-14			7.0	130	A						
58-07-16			8.0	380	A						
58-08-21			243	3940	A						
59-01-15			15	250	A						
59-01-27			10.0	210	A						
59-02-04			21	560	A						
59-02-16			7.0	110	A						
59-02-27			7.0	140	A						
59-03-02			5.0	30	A						
59-04-13			7.0	160	A						
59-04-22			6.0	80	A						
59-04-27			6.0	70	A						
59-05-08			14	210	A						

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07233000 COLDWATER CREEK NEAR HARDESTY, OKLA.



## ARKANSAS RIVER BASIN

07233210 BEAVER RIVER NEAR HARDESTY, OKLA.

LOCATION.--Lat 36°39'23", long 101°08'06", in SE 1/4 sec.4, T.2 N., R.18 E., Texas County, Hydrologic Unit 11100102, at Rock Island R.R. Bridge, 7.5 mi (12 km) northeast of Hardesty, 0.8 mi (1.3 km) downstream from Coldwater Creek, and at mile 622.5 (996 km).

DRAINAGE AREA.--4,770 mi<sup>2</sup> (12,354 km<sup>2</sup>).

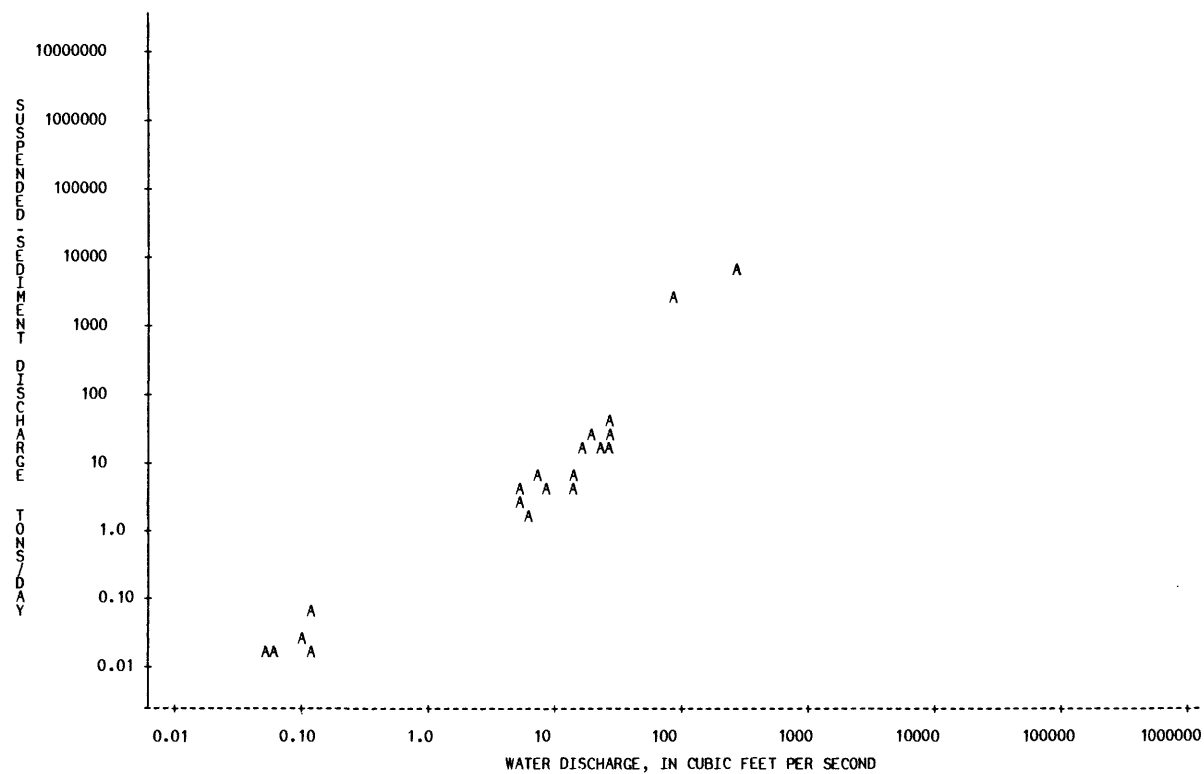
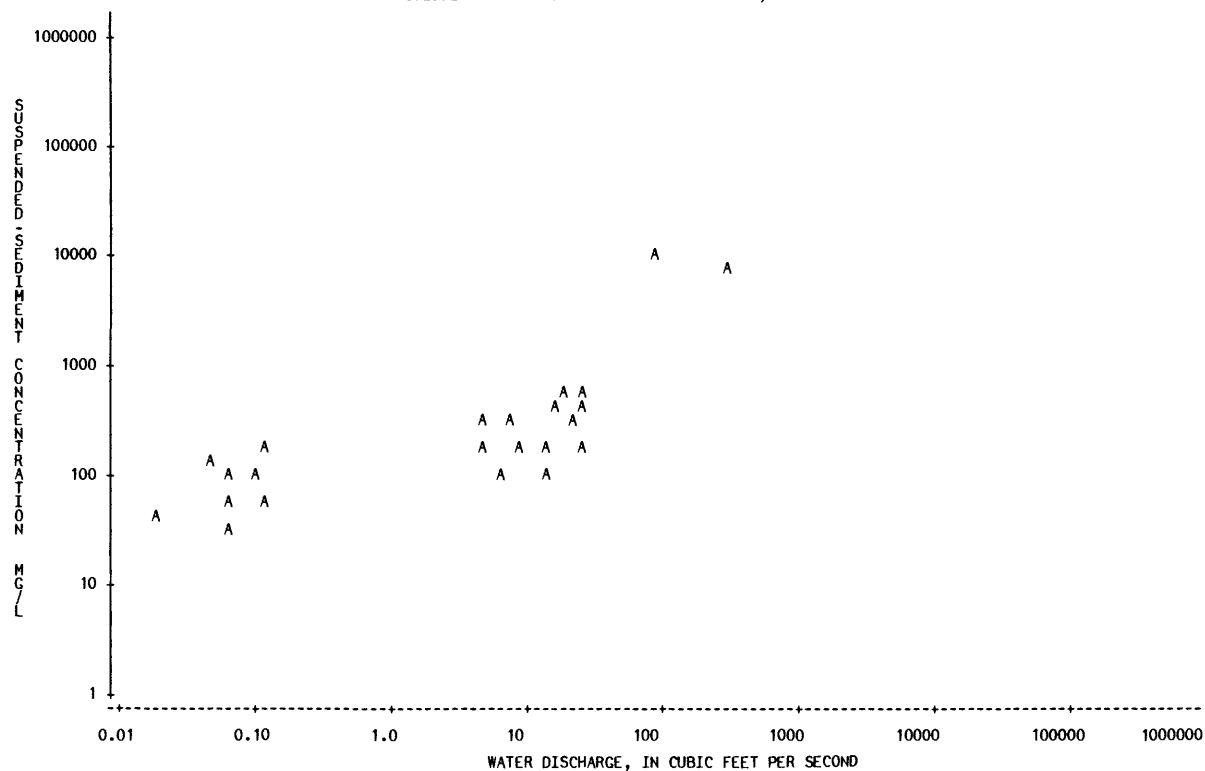
PERIOD OF RECORD.--1938-39.

REMARKS.--Current station is 500 ft below downstream from Optima Dam, at mile 623.1 (1,002.6 km).

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-09-07			288	7600	A 5910						
38-09-20			5.0	300	A 4.1						
38-10-10			82	11100	A 2460						
38-10-25			5.0	200	A 2.7						
38-11-17			7.0	300	A 5.7						
38-11-29			26	500	A 35						
38-12-05			9.0	200	A 4.9						
38-12-13			13	200	A 7.0						
38-12-28			6.0	100	A 1.6						
39-01-04			26	400	A 28						
39-01-12			26	200	A 14						
39-01-14			14	100	A 3.8						
39-01-25			19	500	A 26						
39-02-01			16	400	A 17						
39-02-14			22	300	A 18						
79-08-29	1135		0.06	110	A 0.02						
79-10-02	1631		0.02	40	A 0.00						
79-12-20	1016		0.05	140	A 0.02						
80-02-21	1521		0.06	60	A 0.01						
80-04-23	1038		0.12	170	A 0.06						
80-07-03	1500		0.10	100	A 0.03						
80-08-06	1121		0.11	60	A 0.02						
80-09-10	1120		0.06	30	A 0.00						

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07233210 BEAVER RIVER NEAR HARDESTY, OKLA.



## ARKANSAS RIVER BASIN

07234000 BEAVER RIVER AT BEAVER, OKLA.

LOCATION.--Lat 36°49'20", long 100°31'05", SW 1/4 sec.7, T.4 N., R.24 E., Beaver County, Hydrologic Unit 11100201, near right bank on downstream side of pier of bridge on U.S. Highway 270 at Beaver, 1.5 mi (2.4 km) downstream from Home Creek, 5 mi (8.0 km) upstream from Clear Creek, and at mile 576.0 (926.8 km).

DRAINAGE AREA.--7,955 mi<sup>2</sup> (20,603 km<sup>2</sup>), of which 4,270 mi<sup>2</sup> (11,059 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-65, 1967-69, 1971-80.

REMARKS.--Prior to October 1970 water-discharge published as North Canadian River at Beaver. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-19			135	2600	A 948	42-08-17			51	2900	A 399
38-05-27			99	1400	A 374	42-10-19			2920	15800	A 125000
38-06-08			152	2900	A 1190	42-10-21			579	6500	A 10200
38-06-21			162	9000	A 3940	43-03-23			6.0	100	A 1.6
38-07-18			52	5300	A 744	43-06-15			89	3100	A 745
38-07-28			1.0	2100	A 5.7	43-07-13			7.0	900	A 17
38-07-29			23	26900	A 1670	44-01-26			349	3700	A 3490
38-08-03			14	45100	A 1700	44-02-04			46	400	A 50
38-08-05			2.0	23200	A 125	44-03-02			69	300	A 56
38-08-19			3.0	6800	A 55	44-04-04			19	200	A 10
38-09-05			32200	19600	A 1700000	44-04-10			1440	10100	A 39300
38-09-06			6520	27700	A 488000	44-04-13			109	1600	A 471
39-08-14			194	6300	A 3300	44-04-29			2850	3400	A 26200
40-02-26			16	400	A 17	44-05-04			98	1500	A 397
40-05-07			1270	24600	A 84400	44-05-11			37	300	A 30
40-05-09			944	21800	A 55600	44-05-12			1380	12900	A 48100
40-05-14			8.0	400	A 8.6	44-05-27			1320	6700	A 23900
40-05-18			10000	35300	A 953000	44-06-01			157	2100	A 890
40-05-19			2710	29400	A 215000	44-06-06			8.0	300	A 6.5
40-05-21			217	6300	A 3690	44-06-09			3.0	100	A 0.81
40-05-27			36	500	A 49	44-07-11			55	3600	A 535
40-05-28			5450	30000	A 441000	44-07-19			4.0	1000	A 11
40-06-04			44	1000	A 119	44-07-24			18	800	A 39
40-06-12			1420	17500	A 67100	44-08-01			37	600	A 60
40-08-06			8.0	4300	A 93	44-08-03			1.0	200	A 0.54
40-08-08			1830	29000	A 143000	44-12-08			39	900	A 95
40-08-14			64	10300	A 1780	44-12-12			6.0	300	A 4.9
41-02-27			61	300	A 49	44-12-20			4.0	200	A 2.2
41-03-04			26	300	A 21	44-12-26			1.0	300	A 0.81
41-05-03			15900	70100	A 3010000	45-01-01			8.0	100	A 2.2
41-05-22			205	9600	A 5310	45-01-11			13	100	A 3.5
41-06-03			298	3100	A 2490	45-01-15			11	200	A 5.9
41-06-08			1810	28600	A 140000	45-01-25			82	500	A 111
41-06-16			51	500	A 69	45-01-30			39	200	A 21
41-06-19			535	11900	A 17200	45-02-08			27	100	A 7.3
41-06-20			143	38200	A 14700	45-02-14			20	300	A 16
41-06-25			85	14000	A 3210	45-02-20			19	400	A 21
41-07-01			28	36200	A 2740	45-03-01			69	300	A 56
41-07-03			615	63800	A 106000	45-03-07			16	200	A 8.6
41-07-15			266	13000	A 9340	45-03-15			64	200	A 35
41-07-29			134	6200	A 2240	45-04-18			21	300	A 17
41-08-22			977	44500	A 117000	45-04-26			16	100	A 4.3
41-09-22			5790	67600	A 1060000	45-05-01			15	100	A 4.0
41-09-23			8210	79100	A 1750000	45-05-16			4.0	200	A 2.2
41-10-23			9400	18400	A 467000	45-06-04			521	5300	A 7460
42-03-31			30	300	A 24	45-06-11			260	2500	A 1750
42-05-04			68	1400	A 257	45-06-20			7.0	200	A 3.8
42-05-11			71	1700	A 326	45-06-26			3660	8200	A 81000
42-06-01			4300	32400	A 376000	45-06-27			374	2900	A 2930
42-06-02			543	25500	A 37400	45-07-03			83	500	A 112
42-06-09			11500	31300	A 972000	45-07-06			3790	8800	A 90100
42-06-10			3270	19200	A 170000	45-07-09			119	6300	A 2020
42-06-15			218	1300	A 765	45-07-13			719	11300	A 21900

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07234000 BEAVER RIVER AT BEAVER, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-07-16			111	6100	A 1830	50-08-30			2780	13500	A 101000
45-07-25			1.0	100	A 0.27	50-10-03			689	11800	A 22000
45-08-17			20	3800	A 205	50-10-11			58	500	A 78
45-09-30			392	10000	A 10600	50-10-25			39	600	A 63
45-10-01			597	7100	A 11400	50-11-14			58	600	A 94
45-10-05			66	1300	A 232	50-11-20			37	400	A 40
46-01-02			31	200	A 17	50-11-29			49	300	A 40
46-01-22			23	300	A 19	50-12-18			59	600	A 96
46-02-19			153	1200	A 496	51-01-15			49	300	A 40
46-02-25			27	300	A 22	51-01-24			50	500	A 67
46-05-30			2120	28800	A 165000	51-02-23			47	500	A 63
46-06-04			42	3900	A 442	51-03-02			74	600	A 120
46-07-01			436	11800	A 13900	51-03-15			36	300	A 29
46-07-09			95	3400	A 872	51-04-09			77	300	A 62
46-08-16			1560	50900	A 214000	51-04-16			36	200	A 19
46-08-19			33	34000	A 3030	51-05-14			18700	9800	A 495000
46-08-20			698	24600	A 46400	51-05-15			10300	16300	A 453000
46-08-22			1040	15900	A 44600	51-05-16			19700	12000	A 638000
46-08-24			115	1400	A 435	51-05-17			30800	800	A 66500
46-08-28			212	10800	A 6180	51-05-18			7800	800	A 16800
46-08-29			2080	20800	A 117000	51-06-11			2220	8700	A 52100
46-09-05			51	3200	A 441	51-06-13			524	4300	A 6080
46-10-08			52900	11400	A 1630000	51-06-22			217	5200	A 3050
46-10-10			2320	6300	A 39500	51-07-03			63	400	A 68
46-10-11			1430	3500	A 13500	51-07-16			51	500	A 69
46-10-22			191	500	A 258	51-07-24			52	100	A 14
46-11-05			529	900	A 1290	51-12-29			50	200	A 27
46-11-14			172	300	A 139	52-01-08			40	300	A 32
46-11-22			111	400	A 120	52-01-21			39	400	A 42
46-11-25			106	500	A 143	52-02-01			37	100	A 10
46-12-05			92	400	A 99	52-02-18			38	100	A 10
47-01-15			168	500	A 227	52-02-28			68	200	A 37
47-03-10			105	300	A 85	52-03-13			86	600	A 139
47-03-25			59	200	A 32	52-03-20			36	100	A 9.7
47-03-31			45	200	A 24	52-03-28			48	300	A 39
47-04-16			135	100	A 36	52-04-22			296	5800	A 4640
47-04-25			138	300	A 112	52-07-18			206	30100	A 16700
47-05-02			58	200	A 31	53-04-24			83	11100	A 2490
47-05-16			415	3600	A 4030	53-06-30			181	8180	A 4000
47-05-30			63	400	A 68	53-07-13			482	6630	A 8630
47-06-06			49	200	A 26	53-07-16			44	1100	A 131
47-06-20			432	3000	A 3500	53-07-21			3550	12200	A 117000
47-06-23			264	1200	A 855	53-07-24			2230	8120	A 48900
47-06-27			1650	6400	A 28500	53-07-28			92	1880	A 467
47-06-30			213	1000	A 575	53-08-03			507	7130	A 9760
47-07-03			116	400	A 125	53-08-18			2010	5200	A 28200
47-07-24			734	4300	A 8520	53-08-24			159	6020	A 2580
48-02-24			77	700	A 146	53-10-23			170	16800	A 7710
48-03-19			148	1100	A 440	53-10-28			58	2990	A 468
48-06-02			1620	53100	A 232000	54-05-20			166	5140	A 2300
48-06-23			227	52300	A 32100	54-05-25			114	850	A 262
48-06-25			1300	31200	A 110000	54-06-16			2510	9440	A 64000
48-06-28			973	9600	A 25200	54-06-18			177	3700	A 1770
48-07-01			106	1600	A 458	54-07-23			330	4960	A 4420
48-07-16			394	7900	A 8400	55-05-02			526	8850	A 12600
48-09-08			158	7800	A 3330	55-05-03			654	7410	A 13100
49-02-18			79	700	A 149	55-05-04			233	4560	A 2870
49-02-24			51	300	A 41	55-05-05			126	2660	A 905
49-03-04			78	400	A 84	55-05-16			12300	14600	A 485000
49-03-14			45	100	A 12	55-05-17			2550	6100	A 42000
49-04-05			70	200	A 38	55-05-18			7050	18300	A 348000
49-05-13			41	200	A 22	55-05-20			6800	14800	A 272000
49-05-16			1910	9800	A 50500	55-05-23			603	14700	A 23900
49-05-17			1960	7600	A 40200	55-05-27			6400	16800	A 290000
49-05-20			352	3200	A 3040	55-05-28			1410	7630	A 29000
49-05-31			68	400	A 73	55-06-02			145	890	A 348
49-06-08			495	3000	A 4010	55-06-06			155	1480	A 619
49-06-16			162	4100	A 1790	55-06-13			75	470	A 95
49-06-24			1380	6100	A 22700	55-06-28			185	1270	A 634
49-07-14			228	2100	A 1290	55-08-09			450	9410	A 11400
50-02-06			79	600	A 128	55-09-26			249	8310	A 5590
50-05-18			58	6100	A 955	56-05-04			133	5670	A 2040
50-06-29			414	8100	A 9050	56-05-26			3000	16300	A 132000
50-06-30			336	5100	A 4630	56-05-31			59	13200	A 2100
50-07-01			149	4100	A 1650	56-06-11			65	19400	A 3400
50-07-02			1840	11000	A 54600	56-07-04			83	11800	A 2640
50-07-03	0900		780	7900	A 16600	56-07-19			256	6510	A 4500
50-07-03	1300		1330	7100	A 25500	56-08-21			121	9900	A 3230
50-07-03	1600		2330	11000	A 69200	57-03-22			82	1210	A 268
50-07-05			6500	15200	A 267000	57-03-28			178	1830	A 879
50-07-06			1550	12900	A 54000	57-04-02			372	4130	A 4150
50-07-07			449	3200	A 3880	57-04-04			159	1320	A 567
50-07-08			200	1200	A 648	57-04-18			349	6470	A 6100
50-07-13			1920	11600	A 60100	57-04-22			53	360	A 52
50-07-19			12700	13700	A 470000	57-05-08			74	550	A 110
50-07-21			4470	18000	A 217000	57-05-13			67	530	A 96
50-07-29			6780	11300	A 207000	57-05-22			59	890	A 142
50-08-28			4350	13600	A 160000	57-05-29			452	13500	A 16500
50-08-29			8500	13700	A 314000	57-06-10			38	530	A 54

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

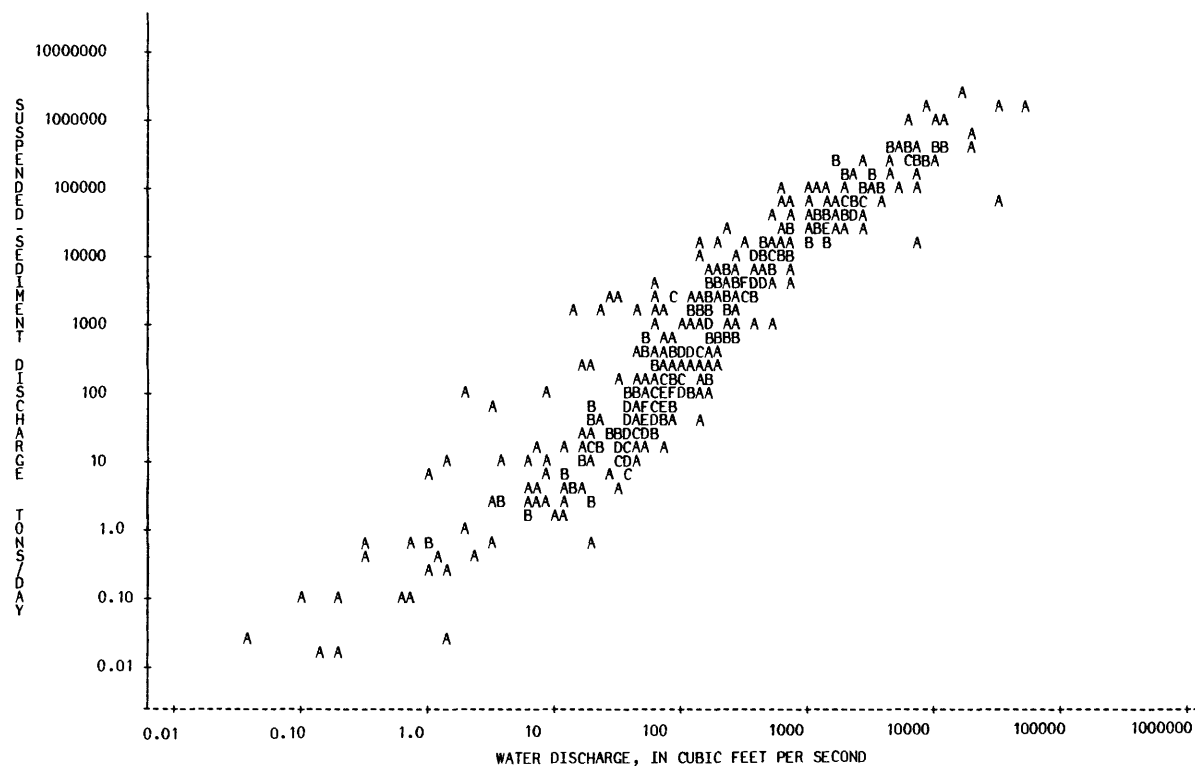
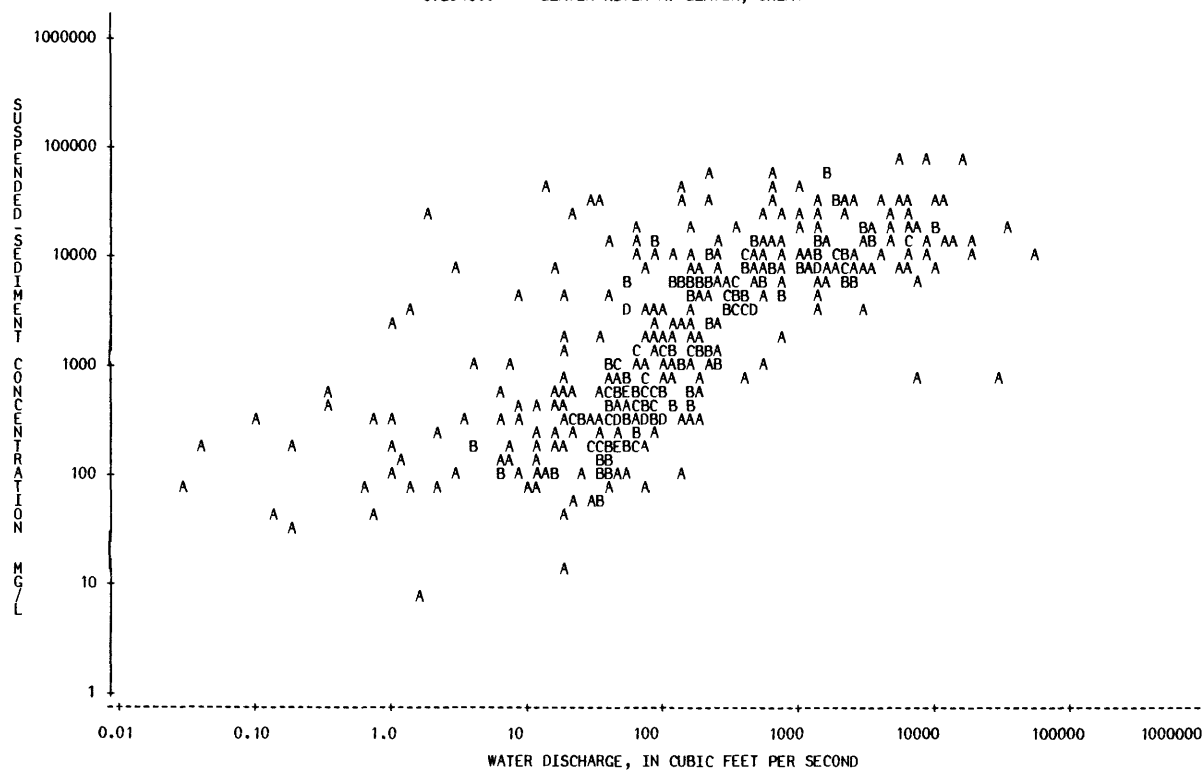
## ARKANSAS RIVER BASIN

## 07234000 BEAVER RIVER AT BEAVER, OKLA.--CONTINUED

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME
+++++														
57-06-25			1220	8500	A	28000	68-07-11		50	1000	A	135		
57-07-01			1680	8270	A	37500	68-09-04		52	710	A	100		
57-07-05			42	14700	A	1670	68-10-21		324	3310	A	2900		
57-08-08			146	29200	A	11500	71-07-29		376	9060	A	9200		
58-01-31			32	250	A	22	71-11-18		8690	10500	A	246000		
58-02-19			57	780	A	120	71-11-19		2160	8400	A	49000		
58-03-19			54	520	A	76	71-11-24		189	710	A	362		
58-03-27			34	170	A	16	71-12-15		69	2850	A	531		
58-04-11			52	430	A	60	72-02-16		30	160	A	13		
58-05-17			670	30300	A	54600	72-05-10		1280	14900	A	51500		
58-05-23			16	6680	A	289	72-05-18		151	490	A	200		
58-06-21			339	15600	A	14300	72-05-31		1000	7080	A	19100		
58-07-05			1090	10900	A	32100	72-06-14		82	2080	A	461		
58-07-10			194	6160	A	3230	72-08-26		6730	6880	A	125000		
58-07-24			743	5590	A	11200	73-05-10		1280	9840	A	34000		
58-08-21			6540	12400	A	219000	73-05-18		151	510	A	208		
58-08-22			713	3990	A	7680	73-05-30		75	8200	A	1660		
58-09-05			4760	27400	A	352000	74-01-22	1345	23	300		19		
58-09-06			6220	24400	A	410000	74-02-12	1230	17	243		11		
58-09-10			3270	12000	A	106000	74-03-06	1100	17	594		27		
58-09-11			324	3300	A	2890	74-04-02	1045	11	123		3.7		
58-12-04			38	140	A	14	74-05-07	1030	0.78	48		0.10		
59-01-13			98	330	A	87	74-06-05	1145	1.4	72		0.27		
59-03-26			48	320	A	41	75-04-22	1230	0.18	36		0.02		
59-05-11			135	950	A	346	76-02-11	1230	0.04	199		0.02		
59-07-17			2060	10300	A	57300	76-03-10	1300	1.5	7		0.03		
59-07-18			319	4260	A	3670	76-04-14	1400	0.14	44		0.02		
59-07-22			66	1510	A	269	76-05-11	1430	74	66		13		
60-02-01			64	250	A	43	76-05-28		18	1590	A	77		
60-03-22			33	100	A	8.9	76-06-01	1050	97	530	A	139		
60-07-22			391	10800	A	11400	76-06-09	1000	36	55		5.3		
60-09-29			171	1920	A	886	77-05-25	1210	12	249		8.1		
60-10-19			452	3450	A	4210	77-06-22	0830	10.0	70		1.9		
60-10-22			1460	4490	A	17700	77-07-27	0920	6.0	148		2.4		
60-11-01			52	190	A	27	77-08-17	1430	18	1490		72		
61-02-13			47	160	A	20	77-09-14	1030	6.3	101		1.7		
61-03-24			89	330	A	79	77-10-12	1430	0.76	299		0.61		
61-04-03			88	310	A	74	77-11-01	1400	0.60	79		0.13		
61-04-11			62	210	A	35	78-03-28	1530	6.9	120		2.2		
61-05-08			82	370	A	82	78-04-10		2.1	220	A	1.2		
61-05-25			314	4610	A	3910	78-04-18	1330	2.2	83		0.49		
61-06-09			233	2760	A	1740	78-05-01		1.3	3030	A	11		
61-06-12			37	880	A	88	78-05-23		6.0	610	A	9.9		
61-07-03			74	950	A	190	78-05-24	1530	3.4	330		3.0		
61-07-13			386	3190	A	3320	78-06-14	1330	170	281		129		
61-07-17			122	1060	A	349	78-10-03		0.03	80	A	0.01		
61-07-25			71	280	A	54	78-11-30	0830	0.20	166		0.09		
61-08-17			46	710	A	88	78-12-20	1300	0.10	359		0.10		
61-12-01			21	50	A	2.8	79-01-23	1415	1.1	138		0.41		
61-12-26			30	170	A	14	79-02-22	1130	0.32	440		0.38		
62-01-08			31	60	A	5.0	79-03-21	1235	11	96		2.9		
62-03-06			36	170	A	17	79-04-12	0800	12	422		14		
62-03-30			32	140	A	12	79-05-16	1730	20	605		33		
62-06-04			257	1120	A	777	79-06-28	1000	0.32	604		0.52		
62-06-18			94	1380	A	350	79-07-18	1000	752	1820		3700		
62-06-28			395	3780	A	4030	79-08-07	1200	22	590		35		
62-07-06			81	460	A	101	80-02-13	1030	19	12		0.62		
62-08-01			78	870	A	183	80-03-04	1030	19	40		2.1		
62-09-17			37	810	A	81	80-04-02	1500	40	74		8.0		
63-02-26			38	120	A	12	80-05-06	1130	36	63		6.1		
63-03-11			34	120	A	11	80-06-11	1055	99	330		88		
63-06-01			2795	7810	A	58900	80-07-01	1645	11	67		2.0		
63-06-08			111	1270	A	381								
63-06-14			21	270	A	15								
63-09-03			947	7780	A	19900								
64-02-10			39	330	A	35								
64-02-18			49	230	A	30								
64-06-03			32	1630	A	141								
64-06-16			2415	6100	A	39800								
64-06-17			7740	6230	A	130000								
64-06-18			457	6320	A	7800								
64-06-19			230	1550	A	963								
64-06-22			105	360	A	102								
65-05-24			380	810	A	831								
65-06-10			635	41900	A	71800								
67-06-20			291	4510	A	3540								
67-06-27			285	3140	A	2420								
67-07-05			2680	7410	A	53600								
67-07-11			101	920	A	251								
67-07-20			234	11300	A	7140								
67-08-11			1390	7020	A	26300								
67-08-15			99	670	A	179								
68-05-28			82	210	A	46								
68-06-01			5070	6710	A	91900								
68-06-03			255	950	A	654								
68-06-09			10300	7740	A	215000								
68-06-13			152	490	A	201								
68-06-18			302	4110	A	3350								
68-06-26			44	200	A	24								

\*\*\*\*\*  
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07234000 BEAVER RIVER AT BEAVER, OKLA.



## ARKANSAS RIVER BASIN

07234500 BEAVER RIVER NEAR FORT SUPPLY, OKLA.

LOCATION.--Lat 36°35'30", long 99°35'30", NE 1/4 sec.6, T.24 N., R.22 W., Woodward County, Hydrologic Unit 11100201, at U.S. Highway 183 and Oklahoma State Highway 34 bridge, 1.5 mi (2.4 km) northwest of Ft. Supply and 8.1 mi (13.0 km) upstream from Wolf Creek, and at mile 495.8 (793.3 km).

DRAINAGE AREA.--9,615 mi<sup>2</sup> (24,903 km<sup>2</sup>), of which 4,547 mi<sup>2</sup> (11,777 km<sup>2</sup>) are noncontributing.

PERIOD OF RECORD.--Water years 1939-51.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-06-24			1690	13700	A 62500	43-06-11			160	1600	A 691
39-06-30			4650	18200	A 229000	43-06-23			11	100	A 3.0
39-07-03			8370	18100	A 409000	43-06-30			1.0	500	A 1.4
39-07-12			84	100	A 23	43-07-09			11	600	A 18
39-08-08			836	11400	A 25700	44-01-24			9.0	300	A 7.3
40-05-08			309	9200	A 7680	44-02-02			66	800	A 143
40-05-09			362	8300	A 8110	44-02-07			31	300	A 25
40-05-10			115	9200	A 2860	44-02-11			16	200	A 8.6
40-05-13			23	3500	A 217	44-02-21			30	100	A 8.1
40-05-19	0001		7180	36000	A 698000	44-02-24			21	200	A 11
40-05-19	0002		4700	33800	A 429000	44-02-26			15	100	A 4.0
40-05-23			154	8300	A 3450	44-03-01			66	400	A 71
40-05-29			3980	32800	A 352000	44-03-31			22	200	A 12
40-06-05			65	500	A 88	44-04-10			1350	12000	A 43700
40-06-11			5370	20200	A 293000	44-04-11			4240	13300	A 152000
40-06-13			1120	14900	A 45100	44-04-13			398	3500	A 3760
40-06-19			80	600	A 130	44-04-19			82	400	A 89
40-06-24			95	2200	A 564	44-04-24			190	1000	A 513
40-08-08			8850	13700	A 327000	44-04-27			153	400	A 165
40-08-09			1600	8100	A 35000	44-04-30			2970	20500	A 164000
40-08-12			113	1600	A 488	44-05-05			217	2100	A 1230
40-09-26			270	17700	A 12900	44-05-08			105	400	A 113
40-09-30			6.0	800	A 13	44-05-12			1990	8800	A 47300
41-04-15			101	1300	A 355	44-05-15			218	3000	A 1770
41-04-16			110	4600	A 1370	44-05-22			34	100	A 9.2
41-05-01			552	8900	A 13300	44-05-30			283	2900	A 2220
41-06-10			1810	12700	A 62100	44-06-05			57	900	A 139
41-08-23			876	8900	A 21100	44-06-12			17	300	A 14
41-08-29			79	8900	A 1900	44-06-19			1.0	200	A 0.54
41-09-19			1080	18500	A 53900	44-07-10			156	2400	A 1010
41-09-19	0002		411	14500	A 16100	44-07-24			47	2200	A 279
41-09-24			8380	79900	A 1810000	44-07-26			239	10500	A 6780
41-09-25			8480	51200	A 1170000	44-12-01			3.0	200	A 1.6
41-10-07			348	3500	A 3290	44-12-08			12	300	A 9.7
41-10-23			17300	12100	A 565000	44-12-18			4.0	200	A 2.2
41-10-25			2120	15300	A 87600	44-12-27			3.0	300	A 2.4
41-11-07			345	1000	A 931	44-12-30			14	100	A 3.8
41-11-11			259	600	A 420	45-01-05			8.0	200	A 4.3
41-11-27			176	500	A 238	45-01-08			7.0	200	A 3.8
42-01-26			126	300	A 102	45-01-15			5.0	200	A 2.7
42-04-21	0001		7200	58900	A 1150000	45-01-22			4.0	200	A 2.2
42-04-21	0002		1700	29200	A 134000	45-01-24			4.0	200	A 2.2
42-04-28			478	4500	A 5810	45-01-27			44	200	A 24
42-05-04			145	2200	A 861	45-02-05			48	300	A 39
42-05-21			425	10700	A 12300	45-02-16			16	100	A 4.3
42-05-25			123	1300	A 432	45-02-19			15	200	A 8.1
42-06-02			1890	39100	A 200000	45-02-26			55	500	A 74
42-06-08			206	3700	A 2060	45-03-03			54	400	A 58
42-06-10			6790	29400	A 539000	45-03-13			27	100	A 7.3
42-06-15			329	3300	A 2930	45-03-20			72	200	A 39
42-10-15			294	4100	A 3250	45-03-31			15	100	A 4.0
42-10-20			2460	13000	A 86300	45-04-06			33	300	A 27
43-05-31			331	6500	A 5810	45-04-10			14	300	A 11

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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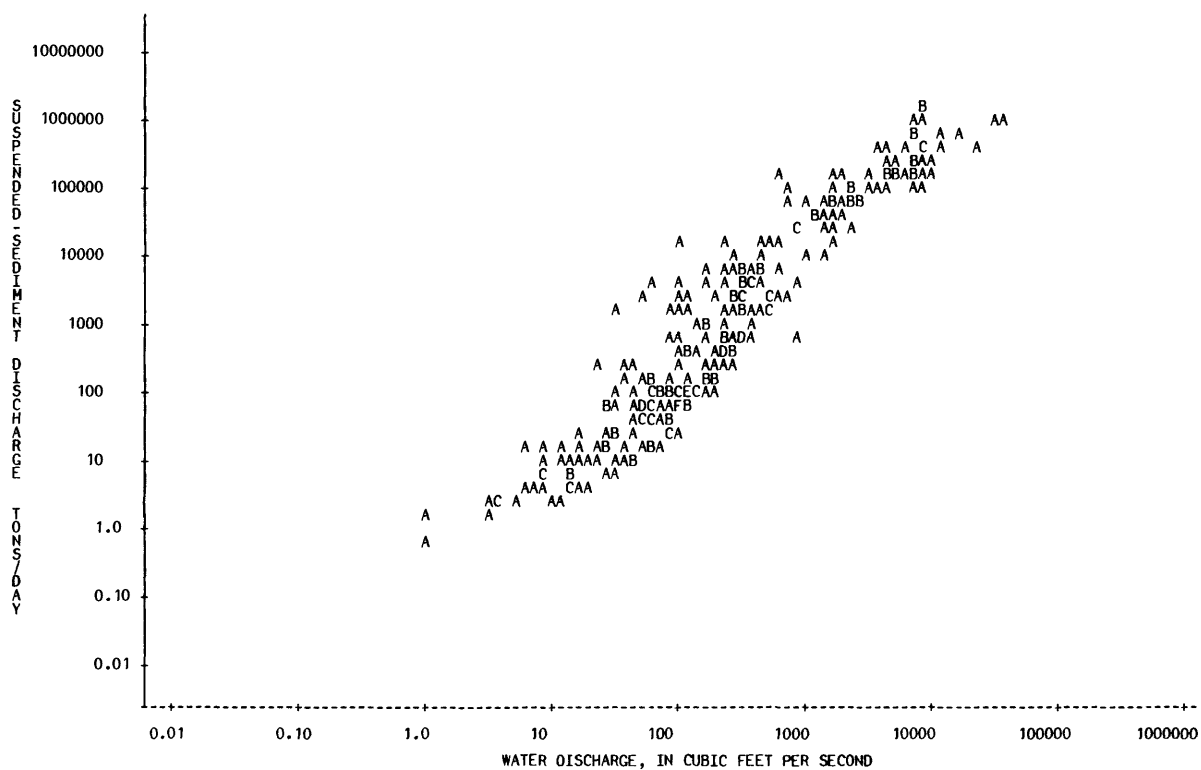
## ARKANSAS RIVER BASIN

07234500 BEAVER RIVER NEAR FORT SUPPLY, OKLA.--CONTINUED

397

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-04-19			56	300	A 45	48-08-30			216	6900	A 4020
45-04-26			99	200	A 53	48-09-09			583	10900	A 17200
45-04-30			62	300	A 50	48-11-08			33	700	A 62
45-05-07			26	1000	A 70	48-11-22			27	300	A 22
45-05-15			22	300	A 18	48-12-01			52	300	A 42
45-05-21			9.0	300	A 7.3	48-12-08			60	600	A 97
45-05-23			6.0	300	A 4.9	49-01-07			41	100	A 11
45-05-31			9.0	300	A 7.3	49-02-02			41	100	A 11
45-06-04	0001		16	500	A 22	49-02-08			201	300	A 163
45-06-04	0002		1570	21400	A 90700	49-02-16			193	600	A 313
45-06-05			425	5800	A 6660	49-03-02			238	900	A 578
45-06-11	1200		41	500	A 55	49-03-21			116	300	A 94
45-06-11	2000		1470	6500	A 25800	49-03-31			147	300	A 119
45-06-18			56	500	A 76	49-04-04			153	300	A 124
45-06-26			388	3200	A 3350	49-04-11			91	200	A 49
45-06-27	0800		2910	8700	A 68400	49-05-02			112	400	A 121
45-06-27	1100		3260	9500	A 83600	49-05-09			482	1300	A 1690
45-06-29			295	3000	A 2390	49-05-16			6510	19200	A 337000
45-07-06			59	500	A 80	49-05-17			10800	8400	A 245000
45-07-07			2260	13100	A 79900	49-05-23			2670	7900	A 57000
45-07-10			437	3100	A 3660	49-05-24			1530	3900	A 16100
45-07-17			79	3800	A 811	49-06-08			634	1600	A 2740
45-07-23			13	200	A 7.0	49-06-14			5000	11000	A 149000
45-09-28			880	8700	A 20700	49-06-16			621	4000	A 6710
45-10-02			35	1400	A 132	49-06-21			236	800	A 510
45-10-09			9.0	400	A 9.7	49-06-28			355	1500	A 1440
46-02-20			100	900	A 243	49-07-05			102	400	A 110
46-05-31			693	33000	A 61700	49-07-14			863	300	A 699
46-06-03			51	20600	A 2840	49-07-19			245	600	A 397
46-07-08			32	16400	A 1420	49-07-27			486	1600	A 2100
46-08-19			93	59400	A 14900	49-10-13			277	2800	A 2090
46-08-21	0001		591	82500	A 132000	49-10-25			65	200	A 35
46-08-21	0002		701	64600	A 122000	50-01-09			87	100	A 23
46-08-23			232	23100	A 14500	50-01-23			103	200	A 56
46-08-28			270	9100	A 6630	50-02-06			110	200	A 59
46-09-03			37	2400	A 240	50-02-20			88	400	A 95
46-09-05			107	9400	A 2720	50-02-27			73	100	A 20
46-09-29			103	5000	A 1390	50-03-14			50	500	A 67
46-09-30			100	12300	A 3320	50-03-30			37	200	A 20
46-10-06			1750	14300	A 67600	50-04-10			27	200	A 15
46-10-07			4370	8100	A 95600	50-05-08			45	1000	A 121
46-10-08	0800		7460	4900	A 98700	50-06-12			31	1000	A 84
46-10-08	1900		8570	4400	A 102000	50-07-06			3950	10700	A 114000
46-10-09	0700		10400	5600	A 157000	50-07-10			338	3000	A 2740
46-10-09	1000		37000	11000	A 1100000	50-07-13			4790	13000	A 168000
46-10-09	1600		31700	12900	A 1100000	50-07-19			7230	12100	A 236000
46-10-10			7040	8800	A 167000	50-07-20			11660	14100	A 444000
46-10-12			1740	5800	A 27200	50-07-24			1490	17400	A 70000
46-10-14			795	1800	A 3860	50-07-26			12000	18600	A 603000
46-10-17			535	1000	A 1440	50-07-27			9210	6800	A 169000
46-10-22			327	600	A 530	50-07-30			9190	18700	A 464000
46-10-28			213	600	A 345	50-08-02			24700	5600	A 373000
46-11-05			2150	4600	A 26700	50-08-22			298	2500	A 2010
46-11-12			323	700	A 610	50-09-04			294	900	A 714
46-11-18			231	500	A 312	50-10-01			332	4200	A 3760
46-12-02			143	300	A 116	50-10-03			332	2100	A 1880
46-12-20			120	300	A 97	50-10-18			70	300	A 57
47-01-16			234	700	A 442	50-10-24			62	100	A 17
47-03-17			333	800	A 719	50-11-15			67	500	A 90
47-04-21			277	400	A 299	50-11-21			66	200	A 36
47-04-29			284	500	A 383	50-12-13			104	200	A 56
47-05-07			116	400	A 125	50-12-20			97	300	A 79
47-05-12			266	1000	A 718	51-01-03			91	300	A 74
47-05-15			7010	10700	A 203000	51-01-16			111	200	A 60
47-05-16			6740	12900	A 235000	51-01-30			35	100	A 9.4
47-05-19			688	1500	A 2790	51-02-06			62	100	A 17
47-05-26			374	700	A 707	51-02-20			136	300	A 110
47-06-03			180	200	A 97	51-02-28			245	800	A 529
47-06-24			447	1500	A 1810	51-03-13			60	700	A 113
47-06-27			5800	11800	A 185000	51-03-27			56	100	A 15
47-06-30			500	2300	A 3100	51-04-04			185	400	A 200
47-07-28			144	1300	A 505	51-04-17			84	200	A 45
47-12-29			10.0	100	A 2.7	51-05-01			74	600	A 120
48-01-12			28	200	A 15	51-05-15			8240	71700	A 1600000
48-02-19			95	300	A 77	51-06-01			497	1000	A 1340
48-02-27			271	1900	A 1390	51-06-18			556	1900	A 2850
48-03-08			162	400	A 175	51-06-25			1360	2900	A 10600
48-03-15			973	3300	A 8670	51-07-10			97	200	A 52
48-03-29			96	400	A 104	51-07-19			87	100	A 23
48-06-07			61	27000	A 4450	51-07-24			171	2300	A 1060
48-06-15			8.0	600	A 13	51-07-31			101	100	A 27
48-06-21			28	900	A 68	51-08-09			45	300	A 36
48-06-27	0001		1180	14800	A 47200	51-08-21			18	100	A 4.9
48-06-27	0002		4440	16300	A 195000	51-08-28			50	1200	A 162
48-06-28			8680	9300	A 218000						
48-06-29			2240	8600	A 52000						
48-07-06			111	500	A 150						
48-08-11			166	15000	A 6720						
48-08-23			64	400	A 69						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07235000 WOLF CREEK AT LIPSCOMB, TEX.

LOCATION.--Lat 36°14'19", long 100°16'31", Lipscomb County, Hydrologic Unit 11100203, on downstream side of bridge on Farm Road 305, 0.3 mi (0.48 km) north of Lipscomb, 0.6 mi (0.97 km) downstream from Sand Creek, 2 mi (3.2 km) upstream from Plum Creek, and at mile 61.2 (98.5 km).

DRAINAGE AREA.--697 mi<sup>2</sup> (1,805 km<sup>2</sup>), of which 222 mi<sup>2</sup> (575 km<sup>2</sup>) is probably noncontributing.

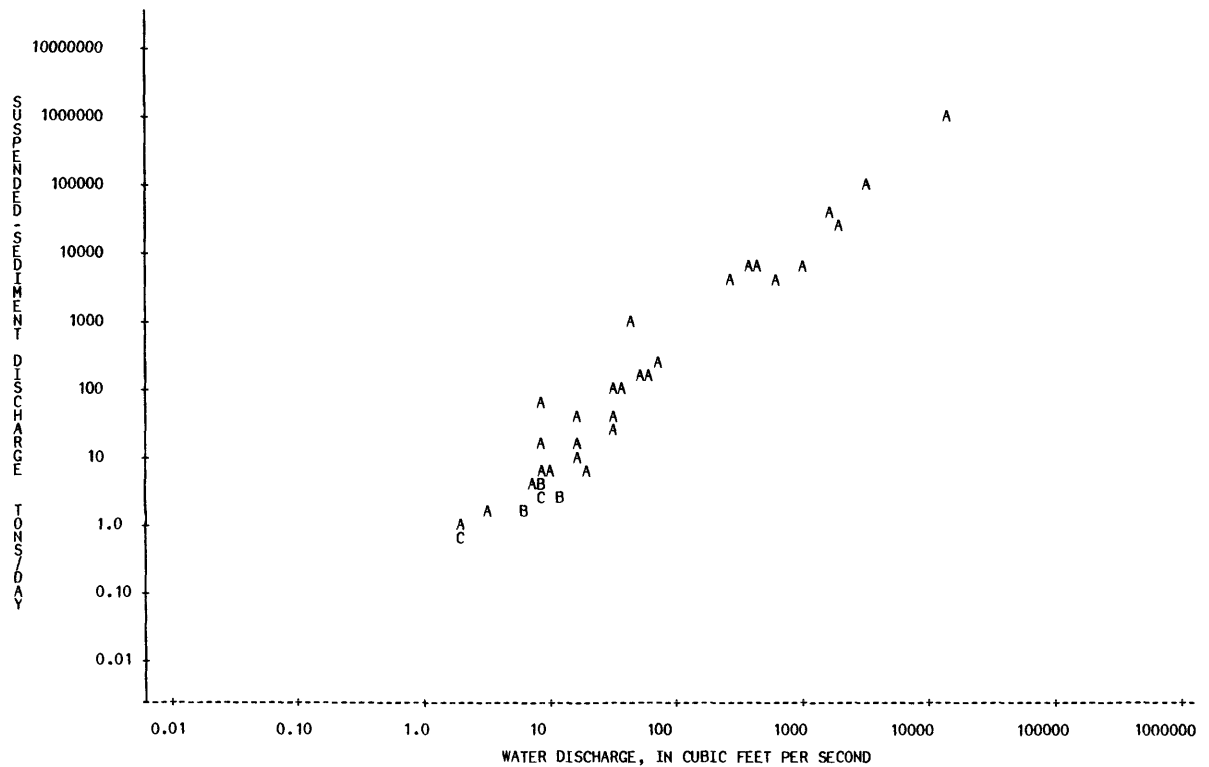
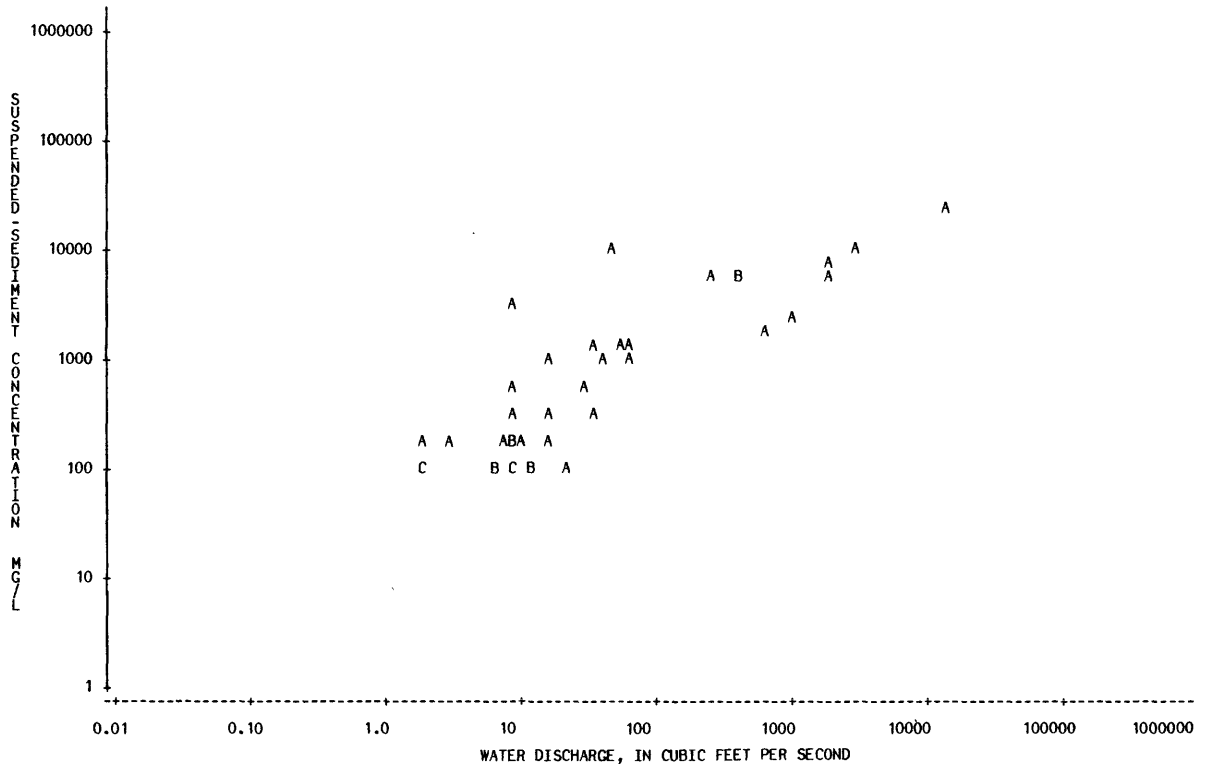
PERIOD OF RECORD.--Water years 1938-45.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-19			44	10300	A 1220						
38-05-27			33	300	A 27						
38-06-07			426	6500	A 7480						
38-06-22			12	100	A 3.2						
38-07-18			10.0	200	A 5.4						
39-07-02			1760	8700	A 41300						
40-05-29			53	1200	A 172						
40-06-10			3060	10600	A 87600						
40-08-30			9.0	3200	A 78						
41-04-30			378	6000	A 6120						
41-05-04			37	1000	A 100						
41-05-11			1790	6100	A 29500						
41-08-29			31	500	A 42						
41-09-29			645	1900	A 3310						
41-10-22			14000	24900	A 941000						
42-05-11			65	1000	A 175						
42-08-12			257	5100	A 3540						
43-03-23			6.0	100	A 1.6						
43-05-19			33	1200	A 107						
44-01-04			17	1000	A 46						
44-03-03			12	100	A 3.2						
44-03-30			8.0	600	A 13						
44-04-14			7.0	200	A 3.8						
44-04-24			9.0	100	A 2.4						
44-05-31			68	1500	A 275						
44-07-25			1050	2500	A 7090						
44-08-03			2.0	100	A 0.54						
44-11-14			2.0	100	A 0.54						
44-11-21			3.0	200	A 1.6						
44-11-30			2.0	100	A 0.54						
44-12-14			16	300	A 13						
44-12-28			8.0	300	A 6.5						
45-01-10			6.0	100	A 1.6						
45-01-16			21	100	A 5.7						
45-01-31			2.0	200	A 1.1						
45-02-07			9.0	200	A 4.9						
45-02-13			8.0	100	A 2.2						
45-02-27			16	200	A 8.6						
45-03-09			8.0	200	A 4.3						
45-03-21			9.0	100	A 2.4						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07235000 WOLF CREEK AT LIPSCOMB, TEX.



## ARKANSAS RIVER BASIN

07235500 WOLF CREEK NEAR SHATTUCK, OKLA.

LOCATION.--Lat 36°17'10", long 99°54'45", in NE 1/4 NE 1/4 sec.19, T.21 N., R.25 W., Ellis County, Hydrologic Unit 11100203, at Atchison, Topeka and Santa Fe Railway bridge, 2 mi (3.2 km) northwest of Shattuck, 2.5 mi (4.0 km) upstream from Rock Creek, 3 mi (4.8 km) downstream from Ivanhoe Creek, and at mile 36.0 (57.9 km).

DRAINAGE AREA.--1,183 mi<sup>2</sup> (3,064 km<sup>2</sup>), of which 222 mi<sup>2</sup> (575 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-46.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-18			124	300	A 100	44-05-31			29	300	A 23
38-05-19			182	370	A 182	44-06-07			11	100	A 3.0
38-05-27			55	500	A 74	44-07-05			1.0	200	A 0.54
38-06-07			2090	24100	A 136000	44-07-10			17	300	A 14
38-06-22			22	200	A 12	44-07-25			6850	7600	A 141000
38-08-01			4.0	300	A 3.2	44-07-31			46	1000	A 124
38-08-17			26	2000	A 140	44-08-07			3.0	100	A 0.81
38-09-08			28	500	A 38	44-08-17			1250	3100	A 10500
38-09-15			2.0	100	A 0.54	44-08-19			25	300	A 20
38-12-23			9.0	100	A 2.4	44-08-22			5.0	100	A 1.4
39-01-26			9.0	200	A 4.9	44-08-29			120	2300	A 745
39-02-13			12	100	A 3.2	44-09-20			30	600	A 49
39-07-02			3040	14400	A 118000	44-10-03			166	1500	A 672
39-07-05			54	800	A 117	44-10-10			22	200	A 12
39-07-19			61	500	A 82	44-10-17			17	200	A 9.2
39-08-10			21	700	A 40	44-10-21			12	200	A 6.5
40-05-29			81	3500	A 765	44-10-25			13	200	A 7.0
40-06-10			4700	18200	A 231000	44-10-31			13	100	A 3.5
40-07-23			58	3600	A 564	44-11-07			51	1100	A 151
40-08-13			35	400	A 38	44-11-10			16	300	A 13
40-08-30			16	2600	A 112	44-11-14			15	100	A 4.0
41-04-16			80	3700	A 799	44-11-21			15	100	A 4.0
41-04-30	0001		201	5100	A 2770	44-11-30			15	100	A 4.0
41-04-30	0002		460	9500	A 11800	44-12-05			50	100	A 13
41-05-11			3140	11600	A 98300	44-12-14			34	300	A 28
41-05-15			40	200	A 22	44-12-19			26	200	A 14
41-05-22			102	3700	A 1020	44-12-28			33	300	A 27
41-08-29			120	2300	A 745	45-01-03			29	200	A 16
41-09-29			1200	12200	A 39500	45-01-26			32	100	A 8.6
41-10-04			152	8000	A 3280	45-01-31			22	200	A 12
41-10-29			167	700	A 316	45-02-07			29	100	A 7.8
42-06-11			173	1600	A 747	45-02-19			27	200	A 15
42-06-30			141	1500	A 571	45-02-27			46	100	A 12
42-08-12			2200	10100	A 60000	45-03-09			30	200	A 16
42-08-13			172	2500	A 1160	45-03-13			25	100	A 6.7
42-09-28			6.0	200	A 3.2	45-03-21			42	200	A 23
42-10-03			312	3600	A 3030	45-04-19			40	200	A 22
43-05-19			180	2800	A 1360	45-04-27			46	100	A 12
43-07-26			3.0	400	A 3.2	45-04-30			45	100	A 12
43-12-29			12	100	A 3.2	45-05-23			10.0	300	A 8.1
44-01-04			25	100	A 6.7	45-05-24			10.0	100	A 2.7
44-01-17			20	200	A 11	45-05-30			11	200	A 5.9
44-01-24			35	200	A 19	45-06-06			10.0	400	A 11
44-02-02			36	200	A 19	45-06-12			2220	8200	A 49200
44-03-30			18	500	A 24	45-06-18			12	300	A 9.7
44-04-03			19	4000	A 205	45-06-26			9.0	300	A 7.3
44-04-10			242	6600	A 4310	45-07-05			3.0	300	A 2.4
44-04-13	0001		38	300	A 31	45-07-10			16	800	A 35
44-04-13	0002		38	600	A 62	45-07-17			1.0	300	A 0.81
44-04-24			40	200	A 22	45-09-12			31	4200	A 352
44-05-03			49	1200	A 159	45-09-29			793	6300	A 13500
44-05-08			18	100	A 4.9	45-10-02			80	800	A 173
44-05-22			13	100	A 3.5	45-10-08			31	700	A 59

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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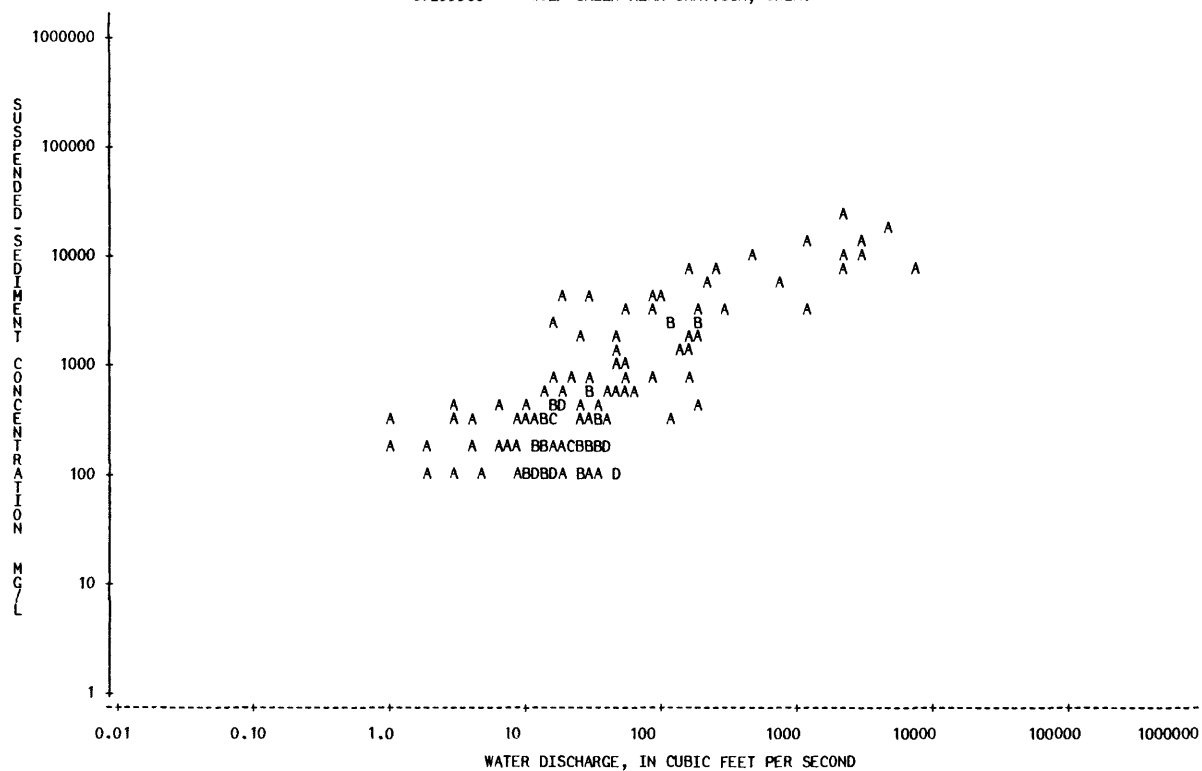
## ARKANSAS RIVER BASIN

07235500 WOLF CREEK NEAR SHATTUCK, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-10-18			16	100	A 4.3						
45-10-22			14	200	A 7.6						
45-10-31			12	100	A 3.2						
45-11-21			10.0	100	A 2.7						
45-11-29			13	500	A 18						
45-12-05			14	300	A 11						
45-12-12			14	300	A 11						
45-12-18			6.0	400	A 6.5						
45-12-27			20	400	A 22						
46-01-03			17	400	A 18						
46-01-08			25	400	A 27						
46-01-15			18	400	A 19						
46-01-23			20	400	A 22						
46-02-07			17	400	A 18						
46-02-11			17	300	A 14						
46-02-19			48	500	A 65						
46-02-27			18	400	A 19						
46-07-02			163	1700	A 748						
46-09-03			181	2400	A 1170						
46-09-09			7.0	200	A 3.8						
46-09-17			4.0	200	A 2.2						
46-09-24			2.0	200	A 1.1						
46-09-30			50	1800	A 243						

\*\*\*\*\*  
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07235500 WOLF CREEK NEAR SHATTUCK, OKLA.



## ARKANSAS RIVER BASIN

07236000 WOLF CREEK NEAR FARGO, OKLA.

LOCATION.--Lat 36°23'57", long 99°37'22", in SE 1/4 NE 1/4 sec.11, T.22 N., R.23 W., Ellis County, Hydrologic Unit 11100203, near right bank on downstream side of pier of county road bridge, 800 ft (243.8 m) downstream from Buggy Creek, 1.2 mi (1.9 km) downstream from Sixteen Mile Creek, 1.5 mi (2.4 km) north of Fargo, and at mile 18.7 (30.1 km).

DRAINAGE AREA.--1,624 mi<sup>2</sup> (4,206 km<sup>2</sup>), of which 258 mi<sup>2</sup> (616 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1941-64, 1967-69, 1972, 1976.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-03-19			32	100	A 8.6	44-06-07			22	300	A 18
41-04-03			40	100	A 11	44-06-12			1830	14500	A 71600
41-04-16			282	6900	A 5250	44-06-13			66	1400	A 249
41-04-17			132	2700	A 962	44-06-28			4.0	300	A 3.2
41-04-29			72	500	A 97	44-06-30			38	1200	A 123
41-04-30			1110	14400	A 43200	44-07-05			4.0	200	A 2.2
41-05-08			82	1400	A 310	44-07-10			100	4400	A 1190
41-05-11	0001		4610	37500	A 467000	44-07-18			2.0	200	A 1.1
41-05-11	0002		5820	30100	A 473000	44-07-25			7450	18400	A 370000
41-05-12			1020	6700	A 18500	44-07-26			435	3100	A 3640
41-05-15			105	400	A 113	44-07-31			61	200	A 33
41-05-21			755	6300	A 12800	44-08-07			16	100	A 4.3
41-05-22			1220	7200	A 23700	44-08-17			1050	10300	A 29200
41-06-04			143	700	A 270	44-08-19			51	900	A 124
41-06-25			91	200	A 49	44-08-22			9.0	100	A 2.4
41-07-11			64	400	A 69	44-09-14			1.0	100	A 0.27
41-08-29			203	3100	A 1700	44-09-20			99	2300	A 615
41-09-05			326	3300	A 2900	44-10-02			7000	5300	A 100000
41-10-04			61	1100	A 181	44-10-05			195	1100	A 579
41-10-08			90	1000	A 243	44-10-10			70	100	A 19
41-10-15			109	500	A 147	44-10-17			49	300	A 40
41-11-27			123	500	A 166	44-10-25			38	100	A 10
42-02-02			73	200	A 39	44-10-31			33	300	A 27
42-08-13			479	6700	A 8670	44-11-07			61	300	A 49
42-10-03			1090	4500	A 13200	44-11-10			41	400	A 44
42-10-16			322	3100	A 2700	44-11-14			39	100	A 11
43-04-09			102	300	A 83	44-11-21			40	100	A 11
43-05-04			21	400	A 23	44-11-30			36	100	A 9.7
43-05-27			77	300	A 62	44-12-05			112	100	A 30
43-06-21			16	200	A 8.6	44-12-15			68	300	A 55
43-07-19			69	2200	A 410	44-12-19			56	300	A 45
43-07-26			3.0	300	A 2.4	44-12-28			53	300	A 43
43-09-07			8.0	800	A 17	44-12-30			68	200	A 37
43-12-29			22	100	A 5.9	45-01-03			45	100	A 12
44-01-10			27	100	A 7.3	45-01-09			48	100	A 13
44-01-13			31	100	A 8.4	45-01-26			63	200	A 34
44-01-17			48	200	A 26	45-01-31			50	200	A 27
44-01-24			63	200	A 34	45-02-05			64	200	A 35
44-01-28			258	4000	A 2790	45-02-10			49	200	A 26
44-02-02			58	300	A 47	45-02-13			51	100	A 14
44-02-22			44	200	A 24	45-02-19			56	200	A 30
44-02-24			39	100	A 11	45-02-27			68	100	A 18
44-03-04			53	100	A 14	45-03-09			64	300	A 52
44-03-14			37	300	A 30	45-03-13			55	100	A 15
44-03-31			42	500	A 57	45-03-21			83	200	A 45
44-04-03			38	1600	A 164	45-04-04			56	100	A 15
44-04-10			2800	10000	A 75600	45-04-19			82	200	A 44
44-04-13			80	900	A 194	45-04-24			334	4800	A 4330
44-04-19			53	100	A 14	45-04-30			81	100	A 22
44-04-24			116	1600	A 501	45-05-08			56	100	A 15
44-05-01			148	800	A 320	45-05-23			27	300	A 22
44-05-15			81	200	A 44	45-05-24			27	200	A 15
44-05-31			54	400	A 58	45-06-05			50	400	A 54

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07236000 WOLF CREEK NEAR FARGO, OKLA.--CONTINUED

405

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-06-12			923	10900	A 27200	48-01-22			36	100	A 9.7
45-06-18			24	300	A 19	48-01-28			18	100	A 4.9
45-06-30			8.0	300	A 6.5	48-02-19			61	100	A 16
45-07-05			7.0	300	A 5.7	48-02-27			354	2600	A 2490
45-07-10			445	8600	A 10300	48-03-08			78	100	A 21
45-07-17			3.0	400	A 3.2	48-03-19			696	15700	A 29500
45-07-25			1.0	300	A 0.81	48-03-29			46	100	A 12
45-08-17			25	500	A 34	48-04-05			38	100	A 10
45-08-22			2.0	200	A 1.1	48-04-12			33	100	A 8.9
45-09-24			3.0	500	A 4.1	48-04-20			27	100	A 7.3
45-09-27			1.0	300	A 0.81	48-04-26			57	300	A 46
45-09-29			2470	8700	A 58000	48-05-03			33	100	A 8.9
45-10-02			125	600	A 202	48-05-17			19	200	A 10
45-10-09			49	200	A 26	48-06-02			29	600	A 47
45-10-18			31	100	A 8.4	48-06-07			9.0	200	A 4.9
45-10-22			30	100	A 8.1	48-06-15			5.0	100	A 1.4
45-10-31			26	100	A 7.0	48-06-21			13	100	A 3.5
45-11-07			22	100	A 5.9	48-06-27	0001		534	2000	A 2880
45-11-15			24	100	A 6.5	48-06-27	0002		1490	1900	A 7640
45-11-21			26	100	A 7.0	48-06-29			247	2300	A 1530
45-11-30			27	100	A 7.3	48-07-06			23	100	A 6.2
45-12-05			27	300	A 22	48-08-11			32	300	A 26
45-12-12			22	400	A 24	48-08-16			503	8400	A 11400
45-12-18			19	300	A 15	48-08-30			37	700	A 70
45-12-28			28	400	A 30	48-09-08			7.0	100	A 1.9
46-01-03			37	400	A 40	48-09-28			4.0	200	A 2.2
46-01-08			42	400	A 45	48-10-20			4.0	100	A 1.1
46-01-15			42	500	A 57	48-11-08			24	100	A 6.5
46-01-23			39	400	A 42	48-11-22			25	200	A 13
46-01-30			38	400	A 41	48-11-29			29	200	A 16
46-02-07			30	400	A 32	48-12-08			29	100	A 7.8
46-02-11			31	400	A 33	48-12-30			32	200	A 17
46-02-19			79	500	A 107	49-01-07			23	100	A 6.2
46-05-15			13	100	A 3.5	49-01-12			30	100	A 8.1
46-05-23			14	100	A 3.8	49-01-16			89	100	A 24
46-05-31			18	200	A 9.7	49-01-19			32	100	A 8.6
46-06-03			15	100	A 4.0	49-01-25			39	100	A 11
46-06-12			3.0	100	A 0.81	49-02-02			35	100	A 9.4
46-06-19			1.0	100	A 0.27	49-02-07			170	2300	A 1060
46-06-24			2.0	100	A 0.54	49-02-16			89	100	A 24
46-07-01			811	5500	A 12000	49-03-01			35	100	A 9.4
46-07-02			271	3700	A 2710	49-03-09			64	800	A 138
46-07-09			5.0	200	A 2.7	49-03-14			58	200	A 31
46-08-26			399	3000	A 3230	49-03-21			75	100	A 20
46-09-03			233	3600	A 2260	49-03-31			79	800	A 171
46-09-10			17	400	A 18	49-04-04			83	200	A 45
46-09-17			8.0	300	A 6.5	49-04-11			56	100	A 15
46-09-24			6.0	100	A 1.6	49-05-02			63	300	A 51
46-09-30			10.0	200	A 5.4	49-05-07			2100	7800	A 44200
46-10-05			19	400	A 21	49-05-09			203	2200	A 1210
46-10-07			634	2400	A 4110	49-05-16			6790	8000	A 147000
46-10-14			55	300	A 45	49-05-17			3680	8400	A 83500
46-10-22			30	100	A 8.1	49-05-18			770	2600	A 5410
46-10-28			24	300	A 19	49-05-19			8020	6700	A 145000
46-11-08			81	700	A 153	49-05-20			679	2200	A 4030
46-11-13			52	300	A 42	49-05-23			2800	7100	A 53700
46-12-02			38	300	A 31	49-05-25			380	1200	A 1230
47-01-08			39	300	A 32	49-06-07			326	600	A 528
47-01-16			54	300	A 44	49-06-15			263	1200	A 852
47-01-22			44	200	A 24	49-06-28			116	2500	A 783
47-02-04			34	100	A 9.2	49-07-05			60	100	A 16
47-02-17			36	100	A 9.7	49-07-14			155	900	A 377
47-03-03			38	100	A 10	49-07-19			71	200	A 38
47-03-17			93	100	A 25	49-07-27			45	100	A 12
47-04-14			484	1800	A 2350	49-08-05			30	100	A 8.1
47-04-16			170	400	A 184	49-08-15			51	100	A 14
47-04-21			99	100	A 27	49-08-22			12	100	A 3.2
47-04-29			100	500	A 135	49-08-29			7.0	100	A 1.9
47-05-07			55	200	A 30	49-09-12			21	100	A 5.7
47-05-12			354	1400	A 1340	49-10-12			59	1900	A 303
47-05-15	0001		5330	8700	A 125000	49-10-25			31	400	A 33
47-05-15	0002		8180	6200	A 137000	49-11-07			31	100	A 8.4
47-05-16			7430	8200	A 165000	49-12-08			34	100	A 9.2
47-05-17			1570	6400	A 27100	50-01-09			53	100	A 14
47-05-20			2710	8200	A 60000	50-01-23			54	100	A 15
47-05-21			507	1400	A 1920	50-02-06			54	100	A 15
47-05-29			130	200	A 70	50-02-20			47	200	A 25
47-06-03			93	500	A 126	50-02-27			46	300	A 37
47-06-12			51	300	A 41	50-03-13			30	300	A 24
47-06-16			47	200	A 25	50-03-30			31	200	A 17
47-06-24			62	400	A 67	50-04-10			28	100	A 7.6
47-06-30			45	500	A 61	50-04-24			27	100	A 7.3
47-07-21			22	300	A 18	50-05-08			2550	7800	A 53700
47-07-28			24	300	A 19	50-05-10			168	1500	A 680
47-11-03			3.0	300	A 2.4	50-05-20			3650	2400	A 23700
47-11-18			18	400	A 19	50-05-29			118	200	A 64
47-11-28			14	700	A 26	50-06-12			1640	6500	A 28800
47-12-17			23	200	A 12	50-06-19			28	400	A 30
48-01-12			27	100	A 7.3	50-06-28			24	300	A 19

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07236000 WOLF CREEK NEAR FARGO, OKLA.--CONTINUED

			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++																	
50-07-07			419	2800	A	3170	54-02-17		32	60	A	5.2					
50-07-18	0001		4600	8400	A	104000	54-03-09		33	100	A	8.9					
50-07-18	0002		9000	5700	A	139000	54-03-17		28	100	A	7.6					
50-07-19			7000	7100	A	134000	54-03-25		33	10	A	0.89					
50-07-24			478	1100	A	1420	54-03-31		32	10	A	0.86					
50-07-26			2050	2700	A	14900	54-04-05		31	110	A	9.2					
50-07-30			1140	5700	A	17500	54-04-14		33	10	A	0.89					
50-08-01	0001		6430	4800	A	83300	54-04-26		231	1310	A	817					
50-08-01	0002		6730	7300	A	133000	54-04-30		34	110	A	10					
50-08-02			3300	7100	A	63300	54-05-02		149	970	A	390					
50-08-08			264	3900	A	2780	54-05-06		26	10	A	0.70					
50-08-21			128	100	A	35	54-05-10		30	130	A	11					
50-09-08			244	1000	A	659	54-05-19		94	330	A	84					
50-09-15			332	2900	A	2600	54-05-24		329	2770	A	2460					
50-09-18			185	600	A	300	54-05-26		231	1310	A	817					
50-10-03			98	200	A	53	54-05-28		117	500	A	158					
50-10-18			67	100	A	18	54-11-09		0.30	140	A	0.11					
50-10-24			58	100	A	16	54-11-17		1.0	130	A	0.35					
50-11-16			59	200	A	32	54-11-24		1.0	90	A	0.24					
50-11-21			67	300	A	54	54-11-30		2.0	20	A	0.11					
50-11-28			76	300	A	62	54-12-08		2.0	80	A	0.43					
50-12-13			88	300	A	71	54-12-13		6.0	20	A	0.32					
51-01-03			77	200	A	42	54-12-22		9.0	70	A	1.7					
51-02-06			112	600	A	181	55-01-04		14	100	A	3.8					
51-02-19			104	300	A	84	55-01-10		14	100	A	3.8					
51-02-28			130	500	A	175	55-01-17		15	70	A	2.8					
51-03-13			53	300	A	43	55-01-24		14	200	A	7.6					
51-04-17			60	200	A	32	55-02-02		17	180	A	8.3					
51-05-01			85	1200	A	275	55-02-07		22	160	A	9.5					
51-05-17			5600	10200	A	154000	55-02-16		20	150	A	8.1					
51-05-18			3600	9800	A	95300	55-02-21		16	190	A	8.2					
51-05-19			1170	2100	A	6630	55-03-02		21	300	A	17					
51-05-22			458	600	A	742	55-03-09		18	120	A	5.8					
51-05-30			201	300	A	163	55-03-18		18	120	A	5.8					
51-06-06			162	200	A	87	55-03-23		22	150	A	8.9					
51-06-19			396	2000	A	2140	55-03-29		24	130	A	8.4					
51-06-21			301	75500	A	61400	55-04-07		17	160	A	7.3					
51-06-25			3080	15000	A	125000	55-04-12		28	130	A	9.8					
51-06-26			417	28400	A	32000	55-04-27		10.0	150	A	4.0					
51-07-10			56	200	A	30	55-05-02		166	2570	A	1150					
51-07-19			39	100	A	11	55-05-03		386	3540	A	3690					
51-07-25			39	100	A	11	55-05-05		135	1950	A	711					
51-07-31			33	300	A	27	55-05-10		31	260	A	22					
51-08-08			17	400	A	18	55-05-18	0001	31	130	A	11					
51-08-21		10.0		200	A	5.4	55-05-18	0002	829	9200	A	20600					
51-08-29		17		200	A	9.2	55-05-19		5050	10500	A	143000					
51-09-25		10.0		100	A	2.7	55-05-20		3580	10900	A	105000					
51-10-01		9.0		100	A	2.4	55-05-25		123	470	A	156					
51-11-20		47		200	A	25	55-05-27		121	980	A	320					
52-01-03		53		100	A	14	55-06-06		46	220	A	27					
52-04-22		195		1000	A	526	55-06-09		4300	8490	A	98600					
52-05-08		48		100	A	13	55-06-10		400	3360	A	3630					
52-05-28		41		400	A	44	55-06-13		113	790	A	241					
52-10-29		2.0		10	A	0.05	55-06-18		2800	10700	A	80900					
52-12-02		12		100	A	3.2	55-06-20		320	3570	A	3080					
52-12-10		14		100	A	3.8	55-06-27		56	320	A	48					
52-12-30		19		300	A	15	55-06-30		225	1460	A	887					
53-01-14		26		300	A	21	55-07-06		48	170	A	22					
53-01-28		30		300	A	24	55-07-28		17	170	A	7.8					
53-02-18		31		300	A	25	55-08-03		8.0	120	A	2.6					
53-03-12		42		200	A	23	55-08-18		1.0	90	A	0.24					
53-03-30		27		200	A	15	55-09-28		14	440	A	17					
53-04-06		44		200	A	24	55-10-12		3.0	130	A	1.1					
53-04-13		26		200	A	14	55-10-20		2.0	130	A	0.70					
53-05-04		18		200	A	9.7	55-10-31		3.0	90	A	0.73					
53-05-25		14		170	A	6.4	55-11-21		11	110	A	3.3					
53-06-11		31		510	A	43	55-11-29		14	170	A	6.4					
53-07-21		5.0		80	A	1.1	55-12-07		16	160	A	6.9					
53-07-23		639		4090	A	7060	55-12-15		18	210	A	10					
53-07-24		393		2830	A	3000	55-12-21		18	150	A	7.3					
53-07-26		135		2200	A	802	56-01-04		21	170	A	9.6					
53-07-28		35		480	A	45	56-01-11		20	160	A	8.6					
53-08-03		3.0		230	A	1.9	56-01-25		20	120	A	6.5					
53-08-20		57		910	A	140	56-02-20		29	140	A	11					
53-09-03		3.0		110	A	0.89	56-02-29		22	160	A	9.5					
53-10-15		2090		5310	A	30000	56-03-07		22	150	A	8.9					
53-10-17		83		470	A	105	56-03-21		30	170	A	14					
53-10-20		41		210	A	23	56-03-28		21	150	A	8.5					
53-10-25		67		210	A	38	56-04-09		17	150	A	6.9					
53-10-26		930		6100	A	15300	56-04-16		18	100	A	4.9					
53-10-29		73		470	A	93	56-04-25		20	140	A	7.6					
53-11-04		40		200	A	22	56-05-02		52	300	A	42					
53-11-16		32		110	A	9.5	56-05-08		25	240	A	16					
53-12-09		36		140	A	14	56-05-23		3.0	50	A	0.41					
53-12-21		41		300	A	33	56-05-28		84	4350	A	987					
53-12-31		36		200	A	19	56-06-04		9.0	170	A	4.1					
54-01-06		41		150	A	17	56-06-11		15	370	A	15					
54-01-18		59		120	A	19	56-06-27		2.0	160	A	0.86					
54-02-01		40		80	A	8.6	56-07-11		56	2590	A	392					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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## ARKANSAS RIVER BASIN

07236000 WOLF CREEK NEAR FARGO, OKLA.--CONTINUED

407

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
56-07-20			5.0	120	A	1.6	59-06-15			35	210	A	20
56-08-23			6.0	230	A	3.7	59-06-24			23	150	A	9.3
56-11-27			1.0	30	A	0.08	59-07-07			74	2440	A	488
56-12-10			3.0	100	A	0.81	59-07-15			32	190	A	16
56-12-20			3.0	210	A	1.7	59-07-28			12	130	A	4.2
57-01-08			9.0	210	A	5.1	59-08-19			5.0	50	A	0.68
57-01-22			18	320	A	16	59-08-28			2.0	50	A	0.27
57-01-30			5.0	130	A	1.8	59-09-01			5.0	40	A	0.54
57-03-13			21	150	A	8.5	59-09-15			1.0	20	A	0.05
57-03-18			16	60	A	2.6	59-09-29			2.0	30	A	0.16
57-03-27			71	310	A	59	59-10-06			13	50	A	1.8
57-04-02			118	1310	A	417	59-10-14			10.0	40	A	1.1
57-04-03			422	6220	A	7090	59-10-28			10.0	100	A	2.7
57-04-05			93	570	A	143	59-11-10			17	200	A	9.2
57-04-08			62	370	A	62	59-12-08			20	220	A	12
57-04-19			131	4810	A	1700	60-01-05			29	290	A	23
57-04-21			364	4560	A	4480	60-01-15			41	180	A	20
57-04-22			131	1140	A	403	60-02-03			131	580	A	205
57-04-23			560	9170	A	13900	60-02-18			69	230	A	43
57-04-26			102	980	A	270	60-03-08			78	130	A	27
57-04-30			80	350	A	76	60-03-24			50	160	A	22
57-05-03			2890	4340	A	33900	60-04-08			44	170	A	20
57-05-09			105	190	A	54	60-04-22			40	220	A	24
57-05-14			245	1190	A	787	60-05-06			48	310	A	40
57-05-16			10700	8550	A	247000	60-05-25			43	120	A	14
57-05-22			162	420	A	184	60-06-10			135	890	A	324
57-05-29			180	1370	A	666	60-06-15			243	1300	A	853
57-06-03			190	1320	A	677	60-06-28			22	70	A	4.2
57-06-13			366	5040	A	4980	60-07-22			103	700	A	195
57-06-18			6200	6750	A	113000	60-08-05			17	90	A	4.1
57-06-20			210	800	A	454	60-08-18			394	8140	A	8660
57-06-24			6840	8460	A	156000	60-08-23			215	1550	A	900
57-06-27			455	410	A	504	60-09-16			11	90	A	2.7
57-07-02			584	2230	A	3520	60-09-30			44	250	A	30
57-07-08			132	130	A	46	60-10-25			56	220	A	33
57-07-15			88	180	A	43	60-11-02			35	550	A	52
57-07-23			104	600	A	168	60-12-01			31	80	A	6.7
57-07-29			89	260	A	62	61-01-05			41	30	A	3.3
57-08-07			41	180	A	20	61-01-19			39	70	A	7.4
57-08-26			16	30	A	1.3	61-02-03			48	120	A	16
57-09-06			17	30	A	1.4	61-02-16			54	100	A	15
57-09-14			3470	4070	A	38100	61-03-02			44	90	A	11
57-09-16			119	990	A	318	61-03-21			74	100	A	20
57-09-25			23	80	A	5.0	61-04-06			81	170	A	37
57-10-09			33	100	A	8.9	61-04-20			57	80	A	12
57-10-24			37	30	A	3.0	61-05-05			510	2960	A	4080
57-10-30			36	40	A	3.9	61-05-18			138	640	A	238
57-11-15			43	30	A	3.5	61-06-02			42	100	A	11
57-12-03			40	50	A	5.4	61-06-16			70	270	A	51
57-12-19			43	180	A	21	61-07-10			30	80	A	6.5
58-01-08			39	170	A	18	61-07-20			32	230	A	20
58-01-23			52	120	A	17	61-08-03			21	100	A	5.7
58-02-20			47	90	A	11	61-08-16			52	2780	A	390
58-03-05			41	150	A	17	61-09-07			15	70	A	2.8
58-03-20			61	60	A	9.9	61-09-22			15	50	A	2.0
58-03-26			56	130	A	20	61-10-06			10.0	70	A	1.9
58-04-08			38	110	A	11	61-10-20			15	20	A	0.81
58-04-21			66	180	A	32	61-11-08			29	90	A	7.0
58-04-28			23	10	A	0.62	61-11-28			38	90	A	9.2
58-05-13			42	180	A	20	61-12-27			39	90	A	9.5
58-05-19			47	90	A	11	62-01-16			35	20	A	1.9
58-06-04			15	100	A	4.0	62-03-09			43	10	A	1.2
58-06-20			801	6120	A	13200	62-03-22			39	160	A	17
58-06-21			385	3790	A	3940	62-04-03			36	30	A	2.9
58-06-26			87	500	A	117	62-04-27			76	290	A	60
58-07-02			19	140	A	7.2	62-05-08			28	320	A	24
58-07-09			48	230	A	30	62-05-22			15	120	A	4.9
58-07-21			64	1260	A	218	62-06-07			40	520	A	56
58-08-02			659	3660	A	6510	62-06-19			118	4220	A	1340
58-08-07			58	190	A	30	62-07-02			30	220	A	18
58-08-20			24	110	A	7.1	62-07-10			16	110	A	4.8
58-08-22			262	2990	A	2120	62-08-02			91	530	A	130
58-09-12			7.0	160	A	3.0	62-08-14			10.0	60	A	1.6
58-10-09			6.0	190	A	3.1	62-09-07			6.0	80	A	1.3
58-11-19			23	240	A	15	62-09-20			656	4390	A	7780
58-12-11			22	230	A	14	62-10-04			26	90	A	6.3
59-01-14			39	120	A	13	62-10-18			23	70	A	4.3
59-01-19			36	260	A	25	63-06-01			3280	3780	A	33500
59-02-13			40	220	A	24	63-06-03			1540	2920	A	12100
59-02-25			35	180	A	17	63-06-05			233	1200	A	755
59-03-06			36	160	A	16	63-06-12			85	290	A	67
59-03-25			44	160	A	19	63-09-06			120	3140	A	1020
59-04-08			109	620	A	182	64-02-13			50	150	A	20
59-04-21			42	120	A	14	67-04-12			71	600	A	115
59-04-30			36	140	A	14	67-07-06			231	1460	A	911
59-05-09			99	390	A	104	67-07-12			65	1790	A	314
59-05-14			47	120	A	15	67-08-10			289	1720	A	1340
59-06-02			22	60	A	3.6	67-08-16			47	2690	A	341
59-06-12			1100	6540	A	19400	68-06-12			58	190	A	30

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

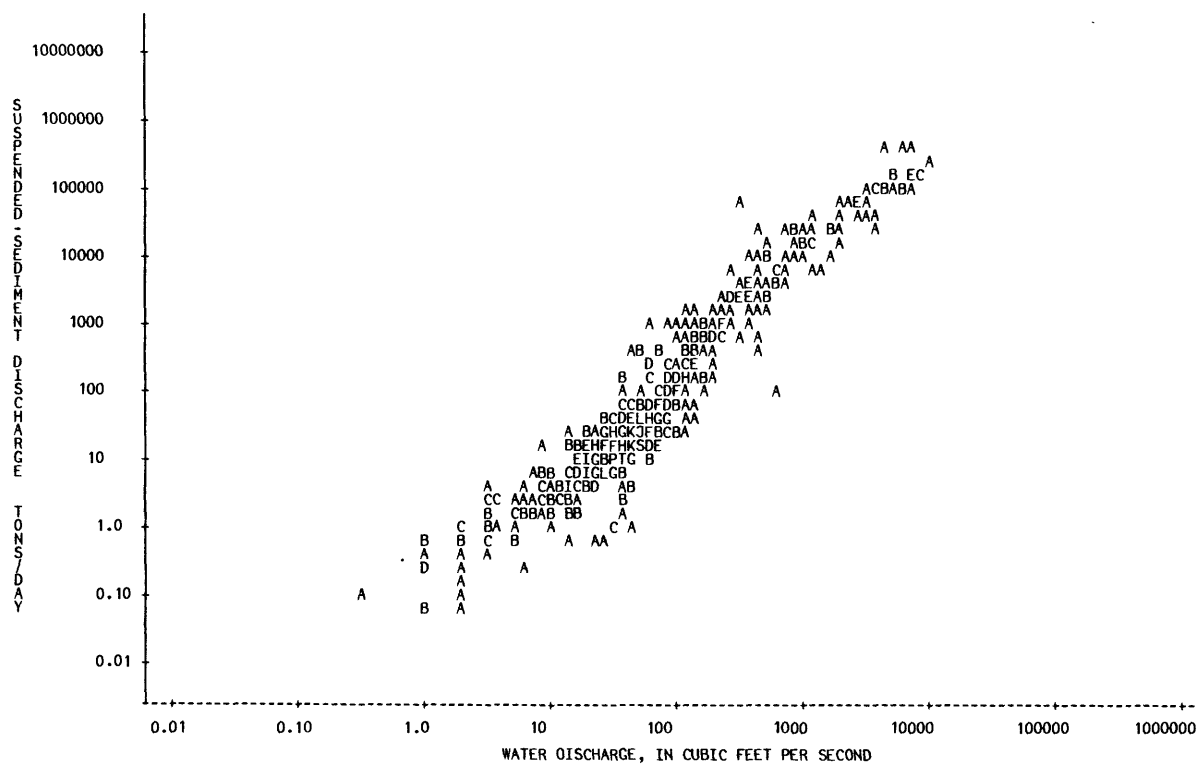
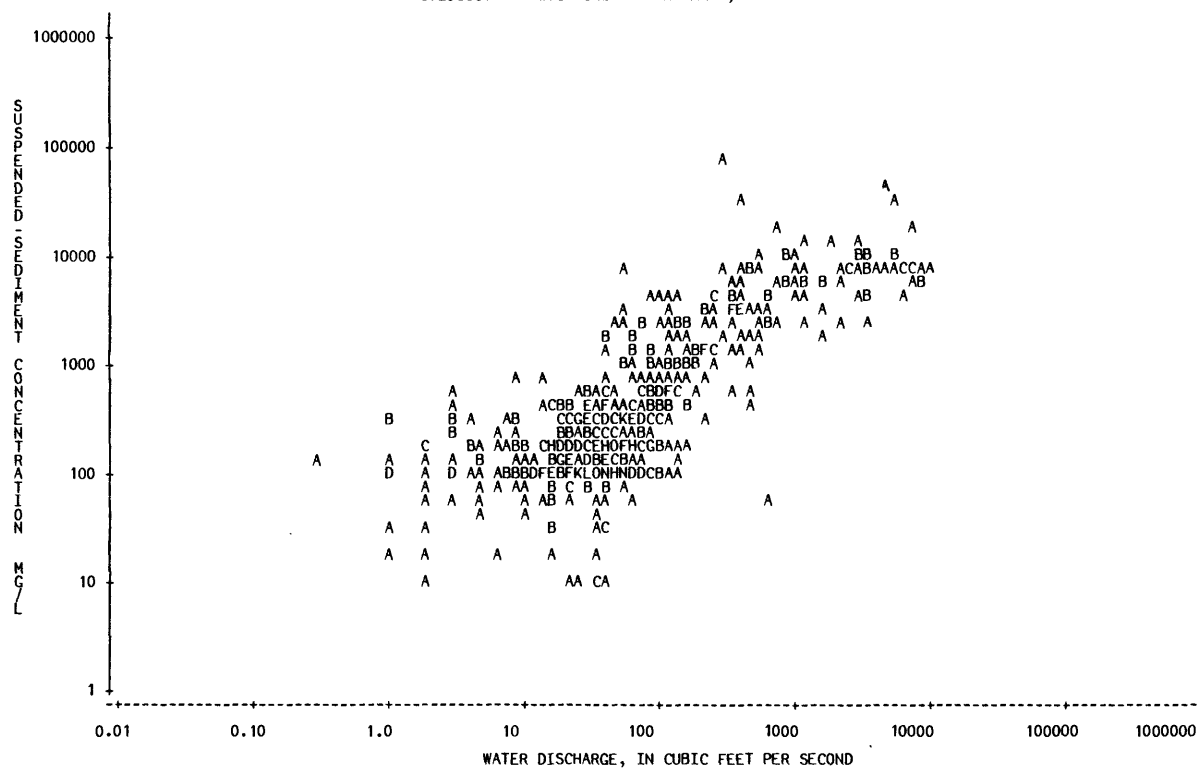
## ARKANSAS RIVER BASIN

07236000 WOLF CREEK NEAR FARGO, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-10-10			347	2830	A 2650						
68-10-11			158	1680	A 717						
68-10-17			942	3870	A 9840						
68-10-21			123	420	A 139						
68-10-22			654	60	A 106						
71-11-23			118	320	A 102						
72-01-25			43	170	A 20						
72-06-01			82	440	A 98						
76-04-20			57	6960	A 1070						
76-05-07			40	1560	A 168						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07236000 WOLF CREEK NEAR FARGO, OKLA.



## ARKANSAS RIVER BASIN

07236500 FORT SUPPLY LAKE NEAR FORT SUPPLY, OKLA.

LOCATION.--Lat 36°33'14", long 99°34'16", In NE 1/4 SE 1/4 sec.17, T.24 N., R.22 W., Woodward County, Hydrologic Unit 11100203, in control tower at left end of Fort Supply Dam on Wolf Creek, 2.0 mi (3.2 km) southeast of Fort Supply and at mile 5.5 (8.8 km).

DRAINAGE AREA.--1,735 mi<sup>2</sup> (4,494 km<sup>2</sup>), of which 241 mi<sup>2</sup> (624 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1944-51, 1954-58, 1963.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-07-25			930	70	A 176	50-01-09			2.0	100	A 0.54
44-07-26			3000	200	A 1620	50-01-30			180	100	A 49
44-07-27			2720	100	A 734	50-02-14			180	100	A 49
44-08-02			180	100	A 49	50-02-27			180	200	A 97
44-10-03	1900		1410	1000	A 3810	50-02-28			180	200	A 97
45-04-25			929	100	A 251	50-03-20			200	200	A 108
45-10-02			960	100	A 259	50-04-03			180	200	A 97
46-06-03			5.0	200	A 2.7	50-07-24			900	200	A 486
46-09-09			670	300	A 543	50-07-25			900	100	A 243
46-09-23			160	200	A 86	50-07-31			900	400	A 972
46-10-15			700	200	A 378	50-09-14			1000	40	A 108
46-11-12			680	500	A 918	50-09-18			980	20	A 53
46-11-29			160	500	A 216	50-09-19			930	40	A 100
46-12-16			170	500	A 229	50-09-20			1000	40	A 108
47-01-13			80	300	A 65	50-09-22			1200	50	A 162
47-02-21			75	100	A 20	50-09-25			1000	80	A 216
47-03-15			240	100	A 65	50-09-30			920	400	A 994
47-04-07			855	100	A 231	50-12-20			97	300	A 79
47-04-29			870	400	A 940	51-06-07			990	900	A 2410
47-05-12			700	400	A 756	51-06-14			1130	200	A 610
47-05-19			1020	800	A 2200	51-07-06			990	200	A 535
47-05-22			1040	400	A 1120	51-07-07			980	200	A 529
47-05-23			3060	600	A 4960	51-07-08			970	200	A 524
47-05-24			2980	500	A 4020	51-07-09			960	100	A 259
47-05-25			2880	500	A 3890	51-07-10			950	100	A 256
47-05-26			2730	500	A 3690	51-07-11			950	100	A 256
47-05-27			1670	700	A 3160	51-07-19			1000	90	A 243
47-05-28			1640	700	A 3100	51-07-20			1000	90	A 243
47-05-29			1530	400	A 1650	51-07-21			1000	110	A 297
47-05-30			720	600	A 1170	51-07-22			1000	70	A 189
47-05-31			710	600	A 1150	51-07-23			1000	60	A 162
47-06-25			420	700	A 794	53-10-28			795	120	A 258
47-06-26			400	800	A 864	54-04-15			36	10	A 0.97
48-07-01			1200	100	A 324	54-06-23			19	10	A 0.51
48-07-02			1140	100	A 308	54-06-30			3.0	10	A 0.08
48-07-04			160	100	A 43	54-07-07			2.0	10	A 0.05
48-08-10			565	20	A 31	54-07-21			2.0	10	A 0.05
48-08-30			90	400	A 97	54-07-26			2.0	10	A 0.05
48-11-05			85	100	A 23	55-05-24			1280	290	A 1000
48-11-30			85	100	A 23	55-05-25			1480	380	A 1520
48-12-01			75	300	A 61	55-05-26			1360	170	A 624
48-12-20			23	100	A 6.2	55-05-27			819	350	A 774
49-03-24			230	100	A 62	55-06-06			6.0	10	A 0.16
49-04-18			245	200	A 132	55-06-14			251	10	A 6.8
49-05-06			300	100	A 81	55-06-20			6.0	10	A 0.16
49-07-13			1100	100	A 297	55-06-24			1840	80	A 397
49-07-25			70	200	A 38	55-06-30			658	720	A 1280
49-09-06			150	200	A 81	55-07-06			10.0	210	A 5.7
49-10-03	1330		980	1100	A 2910	55-07-24			24	100	A 6.5
49-10-12			182	200	A 98	55-07-28			11	10	A 0.30
49-10-24			180	200	A 97	55-08-03			2.0	10	A 0.05
49-11-08			190	200	A 103	55-08-18			2.0	10	A 0.05
49-12-16			190	100	A 51	55-08-25			2.0	10	A 0.05

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07236500 FORT SUPPLY LAKE NEAR FORT SUPPLY, OKLA.--CONTINUED

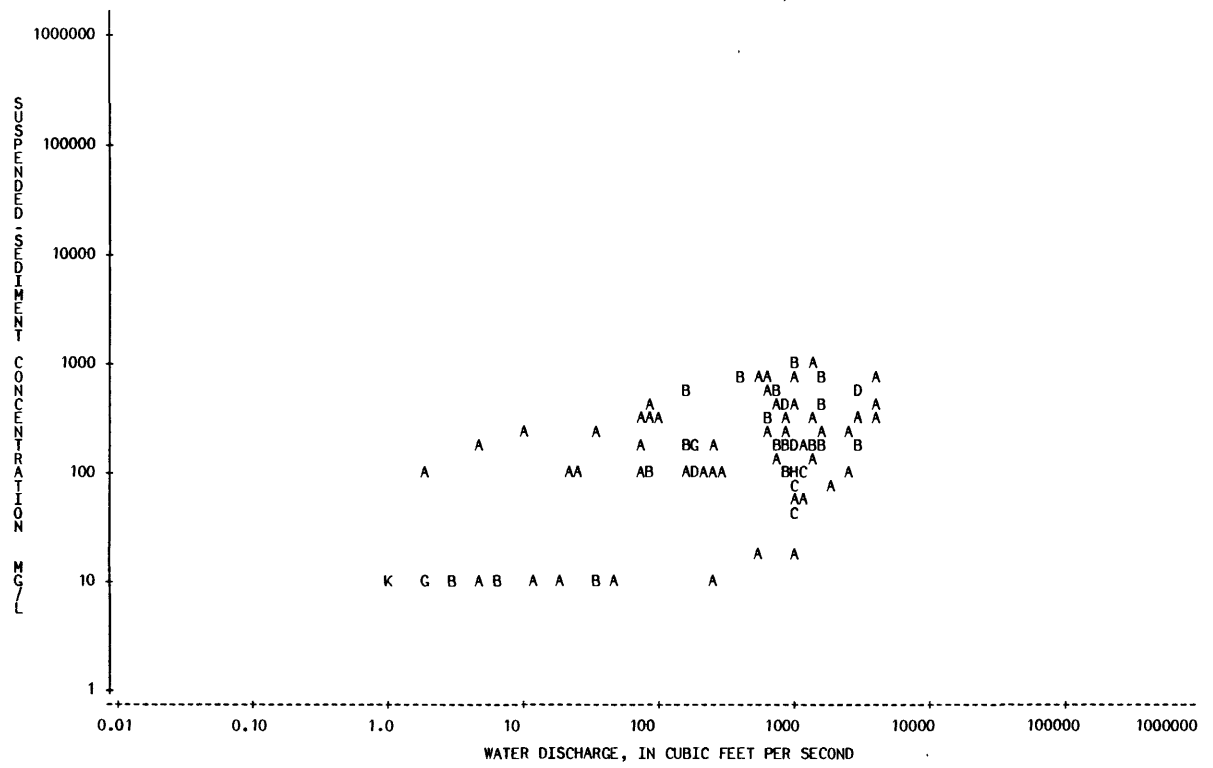
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
55-09-19			5.0	10	A 0.14						
55-09-28			2.0	10	A 0.05						
55-10-05			1.0	10	A 0.03						
55-10-12			1.0	10	A 0.03						
55-10-19			1.0	10	A 0.03						
55-10-31			3.0	10	A 0.08						
55-11-21			1.0	10	A 0.03						
55-11-29			1.0	10	A 0.03						
55-12-07			1.0	10	A 0.03						
55-12-15			1.0	10	A 0.03						
55-12-21			1.0	10	A 0.03						
56-01-04			1.0	10	A 0.03						
56-01-12			1.0	10	A 0.03						
56-01-25			1.0	10	A 0.03						
56-02-20			49	10	A 1.3						
56-02-23			32	10	A 0.86						
57-06-26			3890	780	A 8190						
57-06-27			4050	410	A 4480						
57-06-28			4000	310	A 3350						
57-06-30			2850	350	A 2690						
57-07-02			850	260	A 597						
57-07-03			2600	220	A 1540						
57-07-04			3060	200	A 1650						
57-07-05			582	720	A 1130						
57-07-06			680	290	A 532						
57-07-08			660	220	A 392						
57-07-09			738	200	A 399						
57-07-10			830	190	A 426						
57-07-27			1540	170	A 707						
57-07-28			1480	250	A 999						
57-07-29			1430	160	A 618						
57-07-30			1400	130	A 491						
57-07-31			1030	160	A 445						
57-12-20			35	230	A 22						
63-06-02			852	410	A 943						
63-06-04			1530	170	A 702						

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07236500 FORT SUPPLY LAKE NEAR FORT SUPPLY, OKLA.





## ARKANSAS RIVER BASIN

07237000 WOLF CREEK NEAR FORT SUPPLY, OKLA.

LOCATION.--Lat 36°34'00", long 99°33'05", SE 1/4 SE 1/4 sec.9, T.24 N., R.22 W., Woodward County, Hydrologic Unit 11100203, near left bank on downstream side of pier of bridge on U.S. Highway 270, 1.0 mi (1.6 km) southeast of Fort Supply, 1.6 mi (2.6 km) downstream from Fort Supply Dam, and at mile 3.9 (6.3 km).

DRAINAGE AREA.--1,739 mi<sup>2</sup> (4,504 km<sup>2</sup>), of which 241 mi<sup>2</sup> (624 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-63, 1972.

REMARKS.--Flow completely regulated since May 1942 by Fort Supply Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-19			2960	7200	A 57500	43-08-18			181	200	A 98
38-05-23			2030	5400	A 29600	43-08-21			178	300	A 144
38-05-24			430	5900	A 6850	43-08-22			185	100	A 50
38-05-31			1870	11100	A 56000	43-08-24			2.0	100	A 0.54
38-06-01			46	3500	A 435	43-10-27			583	300	A 472
38-06-14			56	800	A 121	43-10-28	0001		219	100	A 59
38-06-22			57	400	A 62	43-10-28	0002		413	500	A 558
38-06-28			96	1600	A 415	43-10-28	0003		692	300	A 561
38-07-22			119	4500	A 1450	43-10-29			310	200	A 167
38-07-27			6.0	400	A 6.5	43-10-30	0001		333	900	A 809
38-08-05			1.0	200	A 0.54	43-10-30	0002		302	400	A 326
38-08-19			7.0	600	A 11	43-10-31			413	300	A 335
38-09-09			35	1100	A 104	43-11-01			221	300	A 179
38-12-13			3.0	200	A 1.6	43-11-02			150	200	A 81
38-12-22			15	200	A 8.1	43-11-03			120	100	A 32
39-01-14			21	200	A 11	43-11-04			93	100	A 25
39-01-21			24	100	A 6.5	43-11-05			86	100	A 23
39-01-31			35	100	A 9.4	43-11-06			78	100	A 21
39-02-15			23	300	A 19	43-11-07			57	100	A 15
39-06-24			2140	15200	A 87800	43-11-09			43	400	A 46
39-06-30			572	6500	A 10000	43-11-10			43	300	A 35
39-08-08			1470	11500	A 45600	43-11-11			37	200	A 20
40-02-05			34	1200	A 110	43-11-12			32	100	A 8.6
40-04-10			139	3500	A 1310	44-02-09			183	100	A 49
40-05-08			984	16500	A 43800	44-02-10			176	200	A 95
40-05-31			28	500	A 38	44-02-13			113	100	A 31
40-06-10			2820	24300	A 185000	44-02-15			105	100	A 28
40-08-07			33	1300	A 116	44-02-18			121	100	A 33
40-08-08			6670	14400	A 259000	44-02-19			107	100	A 29
40-08-09			2610	13800	A 97200	44-02-20			104	100	A 28
40-08-12			100	700	A 189	44-02-21			105	100	A 28
41-02-03			107	300	A 87	44-02-22			103	100	A 28
41-04-16			1040	4000	A 11200	44-02-24			100	200	A 54
41-05-01			530	5100	A 7300	44-03-01			102	200	A 55
41-05-12			1310	1200	A 4240	44-03-31			2.0	200	A 1.1
41-08-23			734	2000	A 3960	44-04-19			4.0	100	A 1.1
41-10-09			74	1000	A 200	44-04-24			3050	9400	A 77400
41-10-16			268	3000	A 2170	44-04-25			2570	5200	A 36100
41-10-24			6480	1700	A 29700	44-04-26			1680	1100	A 4990
41-11-07			197	700	A 372	44-04-28			861	400	A 930
41-11-11			161	500	A 217	44-05-01			4.0	100	A 1.1
42-01-26			542	1100	A 1610	44-05-06			728	200	A 393
42-04-28			218	1200	A 706	44-05-15			160	200	A 86
42-05-04			20	400	A 22	44-05-22			3.0	800	A 6.5
42-10-15			435	1100	A 1290	44-06-10			174	300	A 141
43-06-23			3.0	200	A 1.6	44-06-15			181	300	A 147
43-07-15			2.0	200	A 1.1	44-06-19			1.0	300	A 0.81
43-08-12			198	300	A 160	44-07-18			1.0	200	A 0.54
43-08-13			207	200	A 112	44-07-24			1.0	200	A 0.54
43-08-14			202	200	A 109	44-07-25			622	1200	A 2020
43-08-15			201	100	A 54	44-07-26	0001		866	1200	A 2810
43-08-16			200	200	A 108	44-07-26	0002		2980	4200	A 33800
43-08-17			178	200	A 96	44-07-27			2750	2800	A 20800

\*\*\*\*\*  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07237000 WOLF CREEK NEAR FORT SUPPLY, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-07-28			833	200	A 450	46-01-24			62	400	A 67
44-07-31			863	100	A 233	46-01-31			35	500	A 47
44-08-02			180	200	A 97	46-02-04			34	500	A 46
44-08-05			2.0	100	A 0.54	46-02-13			13	500	A 18
44-08-07			2.0	100	A 0.54	46-02-20			12	400	A 13
44-10-04	0001		1720	5200	A 24100	46-02-25			41	300	A 33
44-10-04	0002		3020	9700	A 79100	46-03-08			692	200	A 374
44-10-05			2660	1600	A 11500	46-04-04			581	100	A 157
44-10-06			1930	4600	A 24000	46-05-20			5.0	200	A 2.7
44-10-09			3.0	100	A 0.81	46-06-03			5.0	200	A 2.7
44-10-16			171	600	A 277	46-06-11			1.0	600	A 1.6
44-10-17			196	300	A 159	46-06-24			6.0	100	A 1.6
44-10-19			194	900	A 471	46-07-02			5.0	200	A 2.7
44-10-23			3.0	100	A 0.81	46-07-09			4.0	300	A 3.2
44-10-24			2.0	300	A 1.6	46-07-15			1.0	300	A 0.81
44-10-31			2.0	200	A 1.1	46-09-09			686	500	A 926
44-11-03			2.0	200	A 1.1	46-09-10			674	300	A 546
44-11-04			189	700	A 357	46-09-11			172	500	A 232
44-11-06			193	300	A 156	46-09-17			1.0	100	A 0.27
44-11-07			9.0	200	A 4.9	46-09-29			2.0	100	A 0.54
44-11-15			4.0	300	A 3.2	46-10-14			1.0	100	A 0.27
44-11-16			190	200	A 103	46-10-15			705	300	A 571
44-11-17			188	200	A 102	46-10-17			657	100	A 177
44-11-18			201	200	A 109	46-10-22			5.0	200	A 2.7
44-11-20			2.0	300	A 1.6	46-10-28			1.0	400	A 1.1
44-11-27			1.0	300	A 0.81	46-11-05			2.0	200	A 1.1
44-12-03			185	100	A 50	46-11-13			712	400	A 769
44-12-05			173	200	A 93	46-11-18			2.0	400	A 2.2
44-12-08			207	200	A 112	46-12-02			112	600	A 181
44-12-11			184	300	A 149	46-12-20			93	300	A 75
44-12-18			2.0	200	A 1.1	46-12-30			3.0	400	A 3.2
44-12-27			3.0	300	A 2.4	47-01-16			83	400	A 90
44-12-30			2.0	300	A 1.6	47-01-20			77	300	A 62
45-01-15			2.0	200	A 1.1	47-01-27			65	100	A 18
45-01-22			4.0	300	A 3.2	47-02-05			45	100	A 12
45-01-24			189	200	A 102	47-02-17			2.0	100	A 0.54
45-02-01			82	200	A 44	47-02-25			45	100	A 12
45-02-02			25	200	A 13	47-03-15			225	100	A 61
45-02-10			45	100	A 12	47-04-07			793	500	A 1070
45-02-16			48	100	A 13	47-04-08			795	200	A 429
45-02-19			45	1000	A 121	47-04-09			757	200	A 409
45-03-01			46	200	A 25	47-04-11			679	100	A 183
45-03-09			68	200	A 37	47-04-14			7.0	100	A 1.9
45-03-13			71	100	A 19	47-04-29			820	300	A 664
45-03-20			65	100	A 18	47-05-01			825	300	A 668
45-04-10			43	100	A 12	47-05-05			678	200	A 366
45-04-19			50	100	A 13	47-05-12			793	600	A 1280
45-04-24			48	100	A 13	47-05-14			629	300	A 509
45-04-27			62	100	A 17	47-05-26			2390	500	A 3230
45-04-30			189	200	A 102	47-05-29			609	1800	A 2960
45-05-03			47	200	A 25	47-06-03			51	400	A 55
45-05-07			47	200	A 25	47-06-12			435	500	A 587
45-05-14			47	100	A 13	47-06-16			9.0	400	A 9.7
45-05-21			46	200	A 25	47-06-24			20	1100	A 59
45-05-23			18	400	A 19	47-06-27			5.0	600	A 8.1
45-06-04	0930		1.0	300	A 0.81	47-06-30			2.0	400	A 2.2
45-06-27			110	300	A 89	48-03-08			2.0	100	A 0.54
45-06-29			117	300	A 95	48-03-15			2.0	100	A 0.54
45-07-06			2.0	300	A 1.6	48-03-29			2.0	100	A 0.54
45-07-11			5.0	200	A 2.7	48-04-08			64	100	A 17
45-07-17			4.0	300	A 3.2	48-04-12			38	100	A 10
45-07-23			7.0	400	A 7.6	48-04-14			7.0	100	A 1.9
45-08-18			1.0	300	A 0.81	48-04-20			5.0	100	A 1.4
45-08-22			1.0	200	A 0.54	48-04-23			108	100	A 29
45-08-31			1.0	300	A 0.81	48-04-26			83	200	A 45
45-09-13			4.0	300	A 3.2	48-05-03			88	100	A 24
45-09-20			1.0	200	A 0.54	48-05-17			1.0	300	A 0.81
45-09-27			1.0	300	A 0.81	48-06-02			1.0	300	A 0.81
45-10-02			820	400	A 886	48-06-07			1.0	200	A 0.54
45-10-03			922	900	A 2240	48-06-15			1.0	100	A 0.27
45-10-08			835	200	A 451	48-06-21			4.0	100	A 1.1
45-10-09			190	200	A 103	48-06-29			265	100	A 72
45-10-12			51	200	A 28	48-07-01			1440	500	A 1940
45-10-22			3.0	100	A 0.81	48-07-02			1310	200	A 707
45-10-31			2.0	100	A 0.54	48-07-06			166	100	A 45
45-11-05			1.0	100	A 0.27	48-08-11			713	200	A 385
45-11-15			1.0	300	A 0.81	48-08-31			99	100	A 27
45-11-19			64	200	A 35	48-09-28			1.0	200	A 0.54
45-11-23			1.0	100	A 0.27	48-10-20			1.0	100	A 0.27
45-11-30			1.0	100	A 0.27	48-11-08			79	300	A 64
45-12-04			1.0	500	A 1.4	48-11-22			1.0	200	A 0.54
45-12-10			43	300	A 35	48-12-01			75	300	A 61
45-12-14			40	400	A 43	48-12-08			63	200	A 34
45-12-20			42	400	A 45	48-12-30			248	200	A 134
45-12-28			25	400	A 27	49-01-07			2.0	100	A 0.54
46-01-02			20	300	A 16	49-01-19			2.0	100	A 0.54
46-01-07			40	400	A 43	49-02-02			2.0	100	A 0.54
46-01-16			39	400	A 42	49-02-07			2.0	200	A 1.1
46-01-21			37	300	A 30	49-02-17			302	100	A 82

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07237000 WOLF CREEK NEAR FORT SUPPLY, OKLA.--CONTINUED

415

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-03-02			455	200	A 246	52-12-01			2.0	100	A 0.54
49-03-10			27	100	A 7.3	52-12-10			2.0	100	A 0.54
49-03-14			31	100	A 8.4	52-12-29			10.0	300	A 8.1
49-03-16			399	100	A 108	53-01-14			12	200	A 6.5
49-04-04			299	100	A 81	53-01-28			5.0	100	A 1.4
49-04-20			247	200	A 133	53-02-18			17	200	A 9.2
49-04-25			7.0	100	A 1.9	53-03-11			4.0	200	A 2.2
49-05-02			303	100	A 82	53-03-30			3.0	200	A 1.6
49-05-04			7.0	100	A 1.9	53-04-06			4.0	200	A 2.2
49-05-09			441	200	A 238	53-04-13			4.0	200	A 2.2
49-05-11			751	100	A 203	53-05-04			3.0	200	A 1.6
49-05-18			9.0	300	A 7.3	53-05-25			3.0	460	A 3.7
49-05-25			2200	400	A 2380	53-06-10			3.0	180	A 1.5
49-06-03			1920	900	A 4670	53-07-08			3.0	140	A 1.1
49-06-08			1980	400	A 2140	53-07-21			3.0	100	A 0.81
49-06-16			1670	200	A 902	53-07-26			789	250	A 533
49-06-21			8.0	100	A 2.2	53-07-28			4.0	80	A 0.86
49-07-14			1140	100	A 308	53-08-03			1.0	160	A 0.43
49-07-27			51	200	A 28	53-08-12			2.0	140	A 0.76
49-09-12			2.0	200	A 1.1	53-08-20			335	360	A 326
49-10-13			182	300	A 147	53-09-03			6.0	120	A 1.9
49-10-19			2.0	200	A 1.1	53-09-21			1.0	240	A 0.65
49-10-25			197	200	A 106	53-09-28			3.0	200	A 1.6
49-10-28			3.0	400	A 3.2	53-10-20			3.0	170	A 1.4
49-11-07			2.0	200	A 1.1	53-10-25			965	1030	A 2680
50-01-09			2.0	100	A 0.54	53-10-26			1370	320	A 1180
50-01-23			2.0	200	A 1.1	53-10-27			1320	740	A 2640
50-01-30			134	200	A 72	53-10-29			6.0	100	A 1.6
50-02-06			2.0	200	A 1.1	53-11-04			4.0	150	A 1.6
50-02-21			49	200	A 26	53-11-16			11	180	A 5.3
50-02-27			2.0	200	A 1.1	53-12-09			33	180	A 16
50-03-02			159	100	A 43	53-12-31			38	120	A 12
50-03-21			160	300	A 130	54-01-06			46	90	A 11
50-03-30			4.0	200	A 2.2	54-01-19			31	120	A 10
50-04-25			145	200	A 78	54-02-17			27	110	A 8.0
50-05-10			513	100	A 139	54-03-17			16	170	A 7.3
50-05-22			792	100	A 214	54-03-18			5.0	150	A 2.0
50-05-23			439	200	A 237	54-03-24			31	170	A 14
50-05-29			3.0	200	A 1.6	54-04-01			40	190	A 21
50-06-12			3.0	200	A 1.6	54-04-06			37	170	A 17
50-06-13			190	500	A 256	54-04-29			27	210	A 15
50-06-30			172	300	A 139	54-05-06			52	160	A 22
50-07-10			520	600	A 842	54-05-10			102	540	A 149
50-07-11			900	300	A 729	54-05-20			13	210	A 7.4
50-07-13			1000	300	A 810	54-05-26			660	170	A 303
50-09-18			929	300	A 752	54-05-28			568	170	A 261
50-10-01			1050	300	A 851	54-06-17			29	220	A 17
50-10-18			54	100	A 15	54-08-19			0.70	10	A 0.02
50-10-24			52	400	A 56	54-08-26			1.0	180	A 0.49
50-11-15			3.0	300	A 2.4	54-09-01			1.0	10	A 0.03
50-11-21			3.0	200	A 1.6	54-09-09			0.70	10	A 0.02
50-12-13			77	300	A 62	54-09-16			0.70	10	A 0.02
50-12-20			78	200	A 42	54-11-17			0.14	10	A 0.00
51-01-03			33	200	A 18	54-11-24			0.90	10	A 0.02
51-01-16			121	100	A 33	54-11-30			0.60	10	A 0.02
51-01-30			6.0	200	A 3.2	54-12-08			0.12	10	A 0.00
51-02-06			38	200	A 21	54-12-13			0.50	10	A 0.01
51-02-20			65	100	A 18	54-12-22			0.50	10	A 0.01
51-02-28			163	50	A 22	55-01-04			0.30	10	A 0.01
51-03-13			57	5500	A 846	55-01-10			0.30	10	A 0.01
51-03-27			36	400	A 39	55-01-17			0.50	10	A 0.01
51-04-04			55	30	A 4.5	55-01-24			0.40	10	A 0.01
51-04-17			52	200	A 28	55-02-02			0.40	10	A 0.01
51-05-01			88	300	A 71	55-02-08			0.50	10	A 0.01
51-05-14			7.0	100	A 1.9	55-02-16			0.60	10	A 0.02
51-05-30			576	500	A 778	55-02-21			0.50	10	A 0.01
51-06-06			1090	100	A 294	55-03-02			0.70	10	A 0.02
51-06-13			17	100	A 4.6	55-03-09			0.30	10	A 0.01
51-06-21			1160	200	A 626	55-03-18			0.60	10	A 0.02
51-06-25			1090	300	A 883	55-03-29			0.40	10	A 0.01
51-07-10			1150	200	A 621	55-04-07			0.80	10	A 0.02
51-07-19			1160	100	A 313	55-04-12			0.60	10	A 0.02
51-07-25			973	100	A 263	55-04-27			0.30	10	A 0.01
51-07-31			70	200	A 38	55-05-02			0.80	10	A 0.02
51-08-21			1.0	400	A 1.1	55-05-10			0.40	10	A 0.01
51-08-28			1.0	200	A 0.54	56-02-29			2.0	150	A 0.81
51-09-25			1.0	100	A 0.27	56-03-07			1.0	180	A 0.49
51-10-01			1.0	100	A 0.27	56-03-21			2.0	210	A 1.1
51-10-31			105	500	A 142	56-03-28			16	170	A 7.3
51-11-20			35	100	A 9.4	56-04-09			1.0	240	A 0.65
52-01-03			46	100	A 12	56-04-16			1.0	160	A 0.43
52-04-22			122	100	A 33	56-05-02			1.0	290	A 0.78
52-05-28			147	100	A 40	56-05-08			19	180	A 9.2
52-06-19			3.0	100	A 0.81	56-05-29			1.0	290	A 0.78
52-07-29			1.0	100	A 0.27	56-06-04			1.0	240	A 0.65
52-08-12			5.0	100	A 1.4	56-06-11			0.40	10	A 0.01
52-08-20			3.0	200	A 1.6	56-07-20			0.40	10	A 0.01
52-09-10			4.0	200	A 2.2	56-08-08			0.80	10	A 0.02
52-10-02			3.0	100	A 0.81	56-08-23			2.0	10	A 0.05

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

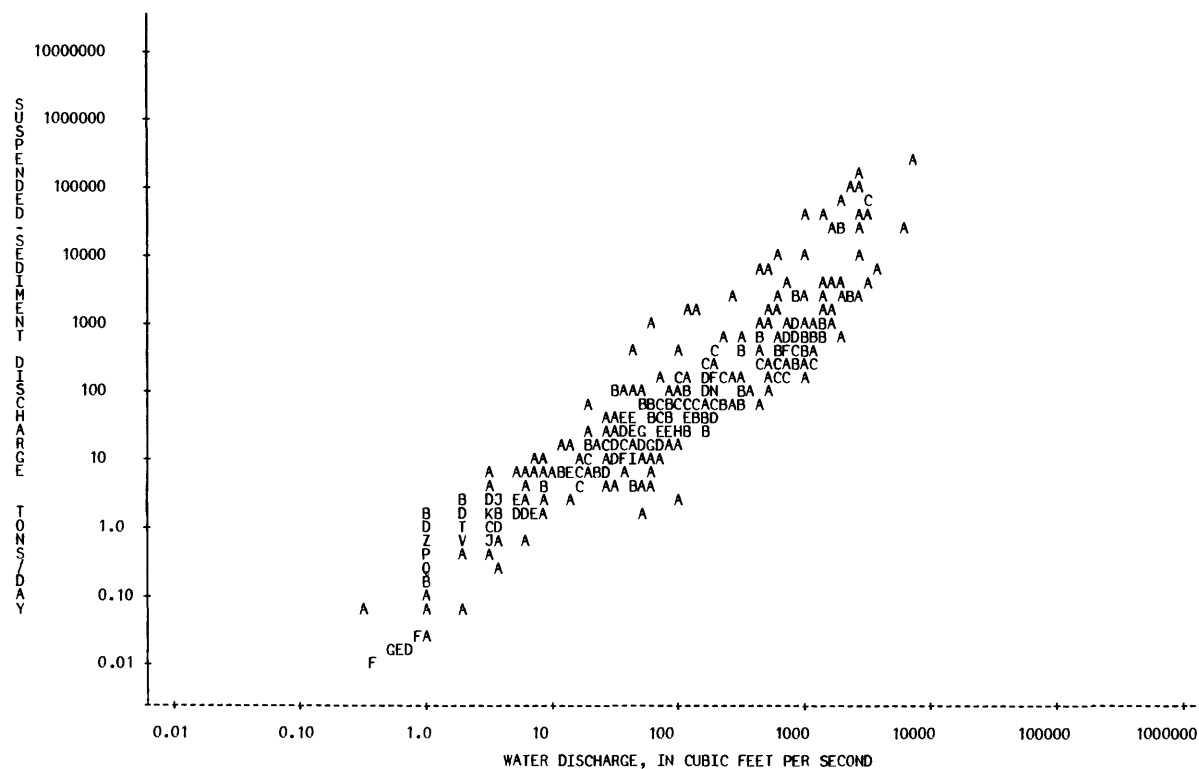
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07237000 WOLF CREEK NEAR FORT SUPPLY, OKLA.--CONTINUED

WATER						SUSPENDED SEDIMENT			WATER						SUSPENDED SEDIMENT		
DATE	#	TIME	DISCHARGE	CONCENTRATION	DISCHARGE	DATE	#	TIME	DISCHARGE	CONCENTRATION	DISCHARGE	DATE	#	TIME	DISCHARGE	CONCENTRATION	DISCHARGE
(CFS)						(MG/L)			(CFS)						(MG/L)		
(TONS/DAY)						(TONS/DAY)			(CFS)						(MG/L)		
*****						*****			*****						*****		
56-08-30			0.90	10	A	0.02	60-02-18		74	60	A	12					
56-09-12			0.80	10	A	0.02	60-03-08		67	100	A	18					
56-09-24			0.50	10	A	0.01	60-03-24		48	10	A	1.3					
56-10-01			0.50	10	A	0.01	60-04-08		16	80	A	3.5					
56-10-18			1.0	150	A	0.41	60-04-22		32	300	A	26					
56-10-31			1.0	80	A	0.22	60-05-06		500	220	A	297					
56-11-27			1.0	160	A	0.43	60-05-25		14	160	A	6.0					
56-12-10			1.0	50	A	0.14	60-06-15		409	60	A	66					
56-12-20			1.0	350	A	0.95	60-06-28		4.0	130	A	1.4					
57-01-08			1.0	160	A	0.43	60-07-22		3.0	140	A	1.1					
57-01-22			1.0	300	A	0.81	60-08-05		2.0	170	A	0.92					
57-01-30			1.0	390	A	1.1	60-08-18		35	170	A	16					
57-03-13			1.0	110	A	0.30	60-08-23		208	100	A	56					
57-03-18			1.0	120	A	0.32	60-09-16		2.0	130	A	0.70					
57-03-27			2.0	190	A	1.0	60-09-30		3.0	110	A	0.89					
57-04-01			605	150	A	245	60-10-25		82	100	A	22					
57-04-23			1140	160	A	492	60-11-02		30	130	A	11					
57-05-04			1060	130	A	372	60-12-01		26	170	A	12					
57-05-14			1360	180	A	661	61-01-05		48	70	A	9.1					
57-05-22			3360	450	A	4080	61-01-18		39	120	A	13					
57-05-29			942	190	A	483	61-02-03		76	100	A	21					
57-06-13			192	70	A	36	61-02-16		73	100	A	20					
57-06-20			2790	320	A	2410	61-03-02		40	60	A	6.5					
57-06-27			4030	720	A	7830	61-03-21		88	110	A	26					
57-07-08			681	150	A	276	61-04-06		78	110	A	23					
57-07-23			728	70	A	138	61-04-20		71	150	A	29					
57-07-30			1390	300	A	1130	61-05-05		6.0	310	A	5.0					
57-08-07			228	210	A	129	61-05-18		171	140	A	65					
57-08-26			3.0	50	A	0.41	61-06-02		2.0	100	A	0.54					
57-09-06			2.0	210	A	1.1	61-06-16		83	130	A	29					
57-09-17			546	70	A	103	61-07-10		116	120	A	38					
57-09-26			4.0	30	A	0.32	61-07-20		2.0	130	A	0.70					
57-10-09			6.0	50	A	0.81	61-08-03		1.0	200	A	0.54					
57-10-24			82	70	A	15	61-08-16		2.0	90	A	0.49					
57-10-30			32	40	A	3.5	61-09-07		2.0	170	A	0.92					
57-11-15			44	40	A	4.8	61-09-21		1.0	60	A	0.16					
57-12-03			43	30	A	3.5	61-10-06		1.0	140	A	0.38					
57-12-20			35	230	A	22	61-10-20		1.0	120	A	0.32					
58-01-09			36	100	A	9.7	61-11-08		16	100	A	4.3					
58-01-22			56	150	A	23	61-11-28		44	160	A	19					
58-02-20			66	100	A	18	61-12-27		47	90	A	11					
58-03-05			25	70	A	4.7	62-01-16		3.0	80	A	0.65					
58-03-20			69	120	A	22	62-03-09		65	20	A	3.5					
58-03-26			69	80	A	15	62-03-22		52	210	A	29					
58-04-08			27	90	A	6.6	62-04-03		14	80	A	3.0					
58-04-21			117	190	A	60	62-04-27		41	270	A	30					
58-05-13			2.0	150	A	0.81	62-05-08		1.0	180	A	0.49					
58-05-19			58	50	A	7.8	62-05-22		1.0	150	A	0.41					
58-06-04			1.0	140	A	0.38	62-06-06		8.0	180	A	3.9					
58-06-20			143	110	A	42	62-06-19		13	230	A	8.1					
58-06-26			320	120	A	104	62-07-02		15	160	A	6.5					
58-07-02			3.0	100	A	0.81	62-07-10		1.0	250	A	0.68					
58-07-09			9.0	80	A	1.9	62-07-25		1.0	200	A	0.54					
58-07-21			4.0	50	A	0.54	62-08-02		1.0	22	A	0.06					
58-08-02			2060	120	A	667	62-08-14		1.0	120	A	0.32					
58-08-07			3.0	100	A	0.81	62-09-07		1.0	120	A	0.32					
58-08-20			650	110	A	193	62-09-20		3.0	90	A	0.73					
58-09-12			0.60	10	A	0.02	62-10-04		1.0	160	A	0.43					
58-09-23			23	100	A	6.2	62-10-18		2.0	180	A	0.97					
58-10-09			0.30	100	A	0.08	63-06-03		1680	380	A	1720					
58-11-19			1.0	40	A	0.11	63-06-05		675	230	A	419					
58-12-11			1.0	240	A	0.65	71-11-23		1000	70	A	189					
58-12-22			46	90	A	11											
59-01-14			94	10	A	2.5											
59-02-13			63	70	A	12											
59-03-06			27	110	A	8.0											
59-03-25			114	220	A	68											
59-04-08			115	230	A	71											
59-04-21			19	140	A	7.2											
59-04-30			30	160	A	13											
59-05-09			170	70	A	32											
59-05-14			21	220	A	12											
59-06-02			2.0	130	A	0.70											
59-06-15			179	180	A	87											
59-06-24			17	130	A	6.0											
59-07-07			1.0	190	A	0.51											
59-07-15			186	110	A	55											
59-07-28			1.0	270	A	0.73											
59-08-19			1.0	170	A	0.46											
59-08-27			1.0	200	A	0.54											
59-09-01			1.0	130	A	0.35											
59-09-15			1.0	190	A	0.51											
59-10-06			1.0	120	A	0.32											
59-10-14			1.0	240	A	0.65											
59-10-28			1.0	200	A	0.54											
59-11-10			1.0	220	A	0.59											
60-01-05			6.0	80	A	1.3											
60-01-15			115	110	A	34											
60-02-03			107	60	A	17											

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07237500 NORTH CANADIAN RIVER AT WOODWARD, OKLA.

LOCATION.--Lat 36°26'18", long 99°16'40", SE 1/4 SE 1/4 sec.25, T.23 N., R.20 W., Woodward County, Hydrologic Unit 11100301, near right bank on downstream side of pier of bridge on State Highway 15, 200 ft (61.0 m) downstream from The Atchison, Topeka and Santa Fe Railway Co. bridge, 6.0 mi (9.7 km) east of Woodward, 7.2 mi (11.6 km) upstream from Indian Creek, 27.5 mi (44.2 km) downstream from Wolf Creek, and at mile 460.2 (740.5 km).

DRAINAGE AREA.--11,589 mi<sup>2</sup> (30,016 km<sup>2</sup>), of which 4,812 mi<sup>2</sup> (12,463 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-65, 1967-69, 1972, 1975-80.

REMARKS.--Some regulation since May 1942 by Fort Supply Lake on Wolf Creek, 33 mi (53 km) upstream. Suspended sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-23			5600	19300	A 292000	42-05-02			468	3100	A 3920
38-05-24			3670	8700	A 86200	42-05-04			284	2900	A 2220
38-06-06			285	2600	A 2000	42-05-21			453	3500	A 4280
38-06-22			395	5300	A 5650	42-05-25			156	2400	A 1010
38-06-28			330	3400	A 3030	42-06-08			175	6500	A 3070
38-07-08			24	400	A 26	42-06-10			7300	50300	A 991000
38-07-27			24	300	A 19	42-06-11			4210	18800	A 214000
38-08-05			35	57700	A 5450	42-06-15			362	4100	A 4010
38-08-19			17	4400	A 202	42-06-22			204	800	A 441
39-06-25			8920	14800	A 356000	42-10-14			48	100	A 13
39-06-30			4640	17200	A 215000	42-10-20	0001	1280	4400	A 15200	
39-07-03			8450	18000	A 411000	42-10-20	0002	3590	11600	A 112000	
39-07-12			130	300	A 105	43-04-11			255	2400	A 1650
39-08-09			961	10700	A 27800	43-05-27			50	200	A 27
40-04-10			56	3100	A 469	43-06-11			108	700	A 204
40-05-10			238	6200	A 3980	43-06-23			26	100	A 7.0
40-05-13			51	4200	A 578	43-08-01			62	300	A 50
40-05-19	0001		4780	43900	A 567000	43-08-14	0001	88	500	A 119	
40-05-19	0002		3950	36700	A 391000	43-08-14	0002	110	600	A 178	
40-05-23			220	12200	A 7250	43-08-17			139	300	A 113
40-05-27			52	900	A 126	43-08-18			140	300	A 113
40-06-03			373	8200	A 8260	43-08-19	0001	130	300	A 105	
40-06-07			1830	16100	A 79600	43-08-19	0002	145	400	A 157	
40-06-11			6260	19600	A 331000	43-08-21			143	200	A 77
40-06-13			1780	14000	A 67300	43-08-23			147	200	A 79
40-06-19			116	900	A 282	43-10-27			407	1300	A 1430
40-06-24			124	4600	A 1540	43-10-28	0001	488	1200	A 1580	
40-08-06			348	8600	A 8080	43-10-28	0002	388	700	A 733	
40-08-09	0001		7330	14700	A 291000	43-10-29	0001	334	600	A 541	
40-08-09	0002		7400	15700	A 314000	43-10-29	0002	388	500	A 524	
40-08-12			273	3700	A 2730	43-10-30	0100	334	500	A 451	
40-08-19			72	1200	A 233	43-10-30	1300	349	500	A 471	
40-09-09			11	400	A 12	43-10-31			289	400	A 312
40-09-30			19	2300	A 118	43-11-01			280	400	A 302
41-02-03			129	700	A 244	43-11-02			180	500	A 243
41-02-26			65	200	A 35	43-11-03			114	200	A 62
41-03-03			93	300	A 75	43-11-04			99	200	A 53
41-04-01			98	400	A 106	43-11-05			71	100	A 19
41-04-16			1250	8500	A 28700	43-11-06			61	100	A 16
41-05-02			665	4700	A 8440	43-11-07			45	200	A 24
41-05-05			3840	47500	A 492000	43-11-09			30	300	A 24
41-08-23			1940	10800	A 56600	43-11-10			30	200	A 16
41-09-19			1680	23300	A 106000	43-11-11			29	300	A 23
41-09-25			7330	61500	A 1220000	43-11-12			25	300	A 20
41-09-27			767	42400	A 87800	44-01-13			2.0	100	A 0.54
41-10-09			333	2200	A 1980	44-01-29			480	5800	A 7520
41-10-21			243	900	A 590	44-02-02			71	700	A 134
41-10-23			28400	9400	A 721000	44-02-07			33	300	A 27
41-11-06			710	1700	A 3260	44-02-08			124	900	A 301
41-11-11			505	800	A 1090	44-02-12			189	200	A 102
41-11-27			366	800	A 791	44-02-13			135	200	A 73
42-01-26			655	1100	A 1950	44-02-14			112	100	A 30
42-04-22			7920	50500	A 1080000	44-02-15			122	200	A 66

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07237500 NORTH CANADIAN RIVER AT WOODWARD, OKLA.--CONTINUED

419

			SUSPENDED SEDIMENT			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	A	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	A	DISCHARGE (TONS/DAY)	DATE	#	TIME	
+++++																	
44-02-18			105	300	A	85	45-04-11			60	400	A	65				
44-02-19			114	200	A	62	45-04-18			132	300	A	107				
44-02-20			133	300	A	108	45-04-24			169	200	A	91				
44-02-21			118	100	A	32	45-04-25			992	1600	A	4290				
44-02-22			120	400	A	130	45-04-28			186	400	A	201				
44-02-24			107	200	A	58	45-04-30			280	200	A	151				
44-03-01			145	300	A	117	45-05-07			79	300	A	64				
44-03-03	0001		184	400	A	199	45-05-24			19	100	A	5.1				
44-03-03	0002		188	500	A	254	45-05-28			19	100	A	5.1				
44-03-04			111	300	A	90	45-06-05			2870	9800	A	75900				
44-03-05			78	600	A	126	45-06-06			281	4800	A	3640				
44-03-13			25	400	A	27	45-06-11			48	600	A	78				
44-03-29			18	500	A	24	45-06-12			1540	7100	A	29500				
44-04-03			25	200	A	13	45-06-18			82	800	A	177				
44-04-10			1780	10600	A	50900	45-06-27	1500	2010	800	A	4340					
44-04-12			975	6000	A	15800	45-06-27	2000	3830	14100	A	146000					
44-04-18			91	900	A	221	45-06-29			418	2900	A	3270				
44-04-24			3890	11500	A	121000	45-07-06			79	700	A	149				
44-04-24	0001		235	1800	A	1140	45-07-08			2370	9500	A	60800				
44-04-25			4130	1900	A	21200	45-07-11			427	3200	A	3690				
44-04-26			2960	10100	A	80700	45-07-16			56	1000	A	151				
44-04-27			254	800	A	549	45-09-30			162	3800	A	1660				
44-04-28			1170	800	A	2530	45-10-03			1050	4100	A	11600				
44-04-30			3910	10800	A	114000	45-10-09			276	700	A	522				
44-05-02			529	300	A	428	45-10-12			60	300	A	49				
44-05-05			236	2800	A	1780	45-11-19			43	200	A	23				
44-05-07			973	1700	A	4470	46-02-20			95	600	A	154				
44-05-08			898	300	A	727	46-03-07			69	300	A	56				
44-05-13			2740	7800	A	57700	46-03-08			686	1300	A	2410				
44-05-15			402	2400	A	2600	46-03-11			53	300	A	43				
44-05-22			42	500	A	57	46-04-05			184	500	A	248				
44-05-29			180	500	A	243	46-06-03			66	2110	A	376				
44-05-30			378	2300	A	2350	46-07-09			12	2820	A	91				
44-06-05			102	1300	A	358	46-08-19			131	9130	A	3230				
44-06-12			191	500	A	258	46-08-22			287	6840	A	5300				
44-06-15			170	400	A	184	46-08-24			169	2510	A	1150				
44-06-19			16	300	A	13	46-08-26			102	24000	A	6610				
44-07-10			430	4700	A	5460	46-08-28			273	1760	A	1300				
44-07-26			1530	6900	A	28500	46-08-29			1060	17900	A	51200				
44-07-28			1410	5400	A	20600	46-08-30			1070	12200	A	35200				
44-07-31			797	800	A	1720	46-09-04			34	3100	A	285				
44-08-02			201	100	A	54	46-09-10			490	3200	A	4230				
44-08-07		9.0	200	A	4.9		46-09-11			179	1500	A	725				
44-09-21			600	1000	A	1620	46-09-29			78	1900	A	400				
44-10-04			2380	4300	A	27600	46-10-08	1100	6220	7900	A	133000					
44-10-05			4120	2000	A	22200	46-10-08	1700	6300	6700	A	114000					
44-10-06			2280	1600	A	9850	46-10-09			8080	5900	A	129000				
44-10-09	0001		38	200	A	21	46-10-10		29000	8400	A	658000					
44-10-09	0002		26	200	A	14	46-10-11		7200	7900	A	154000					
44-10-16		8.0	200	A	4.3		46-10-12		2440	4800	A	31600					
44-10-17			145	600	A	235	46-10-14			872	2600	A	6120				
44-10-19			174	300	A	141	46-10-17			1520	1200	A	4920				
44-10-21			83	300	A	67	46-10-23			366	600	A	593				
44-10-24		10.0	300	A	8.1		46-10-30			242	700	A	457				
44-10-31		4.0	200	A	2.2		46-11-05		2800	4800	A	36300					
44-11-04			129	400	A	139	46-11-12			382	800	A	825				
44-11-06			169	300	A	137	46-11-13			1030	1100	A	3060				
44-11-08			32	100	A	8.6	46-11-19			262	600	A	424				
44-11-15		7.0	100	A	1.9		46-12-02			254	300	A	206				
44-11-16			115	300	A	93	47-01-16			344	700	A	650				
44-11-17			163	300	A	132	47-01-27			222	300	A	180				
44-11-18			170	300	A	138	47-02-27			117	400	A	126				
44-11-20			19	600	A	31	47-03-17			652	800	A	1410				
44-11-24		9.0	100	A	2.4		47-04-08			883	900	A	2150				
44-11-27		7.0	100	A	1.9		47-04-29			385	900	A	936				
44-12-04			181	200	A	98	47-05-01			1030	1800	A	5010				
44-12-06			177	400	A	191	47-05-06			848	900	A	2060				
44-12-08			176	300	A	143	47-05-14			794	600	A	1290				
44-12-11			150	300	A	121	47-05-19			748	7400	A	14900				
44-12-15			24	200	A	13	47-05-20			4830	7000	A	91300				
44-12-18			12	200	A	6.5	47-06-27			6900	11900	A	222000				
44-12-27			13	300	A	11	47-07-16			163	700	A	308				
45-01-04			147	200	A	79	47-07-28			186	600	A	301				
45-01-05			178	400	A	192	48-01-12			16	200	A	8.6				
45-01-09			181	200	A	98	48-02-18			68	300	A	55				
45-01-11			189	200	A	102	48-02-25			102	800	A	220				
45-01-15			22	400	A	24	48-03-15		1730	4000	A	18700					
45-01-24			172	400	A	186	48-03-29			118	300	A	96				
45-01-26			205	200	A	111	48-06-02			12	500	A	16				
45-02-01			58	100	A	16	48-06-07			73	32000	A	6310				
45-02-05			143	200	A	77	48-06-22			30	800	A	65				
45-02-12			81	200	A	44	48-06-28		8150	10100	A	222000					
45-02-19			65	200	A	35	48-06-30		1440	6500	A	25300					
45-02-28			117	400	A	126	48-07-06			280	300	A	227				
45-03-03			154	300	A	125	48-07-13			135	300	A	109				
45-03-13			90	100	A	24	48-07-26			76	400	A	82				
45-03-30			79	300	A	64	48-08-12		1470	5700	A	22600					
45-04-03			74	200	A	40	48-08-23			78	500	A	105				
45-04-10			64	300	A	52	48-08-30			60	700	A	113				

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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## ARKANSAS RIVER BASIN

07237500 NORTH CANADIAN RIVER AT WOODWARD, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-09-08			26	400	A 28	51-07-25			1120	200	A 605
48-11-09			85	500	A 115	51-07-31			225	500	A 304
48-11-29			81	400	A 87	51-08-09			69	200	A 37
48-12-07			108	300	A 87	51-08-20			22	200	A 12
48-12-31			231	800	A 499	52-04-22			440	800	A 950
49-01-06			32	100	A 8.6	52-05-08			154	200	A 83
49-01-21			94	100	A 25	52-05-28			201	300	A 163
49-02-09			605	1200	A 1960	53-07-23			1170	7040	A 22200
49-02-14			580	1300	A 2040	53-07-24			4780	10800	A 139000
49-03-02			737	700	A 1390	53-07-25			4480	7510	A 90800
49-03-15			522	1000	A 1410	53-07-26			1390	5950	A 22300
49-03-22			135	200	A 73	53-07-28			487	1490	A 1960
49-03-30			170	400	A 184	53-08-20			1050	5250	A 14900
49-04-04			488	400	A 527	53-08-24			222	1010	A 605
49-04-12			107	100	A 29	53-09-04			39	60	A 6.3
49-04-20			289	200	A 156	53-10-24			2.0	60	A 0.32
49-05-03			362	400	A 391	53-10-26			1220	1380	A 4550
49-05-09			996	2200	A 5920	53-10-27			1320	1560	A 5560
49-05-11			1350	2000	A 7290	53-10-29			429	1100	A 1270
49-05-20			2880	4000	A 31100	54-05-24			226	840	A 513
49-05-24			1980	4300	A 23000	54-05-26			651	1680	A 2950
49-05-25			2110	200	A 1140	54-05-28			660	490	A 873
49-06-01			2410	2800	A 18200	54-06-18			664	13400	A 24000
49-06-09			3360	1700	A 15400	55-05-03	0001		996	16200	A 43600
49-06-10			6140	9000	A 149000	55-05-03	0002		665	13700	A 24600
49-06-15			1740	7300	A 34300	55-05-05			789	8510	A 18100
49-06-17			2810	2300	A 17500	55-05-18			5820	8190	A 129000
49-06-22			244	600	A 395	55-05-19			6040	1230	A 20100
49-06-29			358	1200	A 1160	55-05-20			4720	8010	A 102000
49-07-07			133	200	A 72	55-05-21			9150	12600	A 311000
49-07-18			323	900	A 785	55-05-28			5910	24100	A 385000
49-07-26			202	300	A 164	55-06-06			483	4040	A 5270
49-08-04			104	300	A 84	55-06-09			190	15600	A 8000
49-08-15			233	400	A 252	55-06-10			1510	14200	A 57900
49-10-17			208	500	A 281	55-06-13			802	1950	A 4220
49-10-25			226	400	A 244	55-06-18			7380	20700	A 412000
49-11-07			63	100	A 17	55-06-20			8950	16700	A 404000
50-01-09			101	200	A 55	55-06-24			2870	3220	A 25000
50-01-23			101	300	A 82	55-06-27			963	850	A 2210
50-02-03			184	700	A 348	55-06-30			1450	3670	A 14400
50-02-06			113	200	A 61	55-07-06			238	390	A 251
50-02-21			137	200	A 74	55-09-29			373	9250	A 9320
50-02-27			79	100	A 21	56-05-28			632	13500	A 23000
50-03-14			61	100	A 16	56-05-29			342	12100	A 11200
50-03-21			178	300	A 144	56-06-05			195	4800	A 2530
50-03-30			43	200	A 23	56-07-11			165	11400	A 5080
50-05-10			564	1800	A 2740	56-07-20			364	36800	A 36200
50-05-23			470	200	A 254	57-04-02			707	4050	A 7730
50-06-13			212	8700	A 4980	57-04-03			482	3480	A 4530
50-06-28			26	1900	A 133	57-04-08			172	1130	A 525
50-07-06			5390	12100	A 176000	57-04-09			753	16700	A 34000
50-07-10			1060	1300	A 3720	57-04-21			328	4980	A 4410
50-07-13			5610	6900	A 105000	57-04-23			1170	3230	A 10200
50-07-20			9680	7200	A 188000	57-04-26			406	1520	A 1670
50-07-26			7860	10100	A 214000	57-05-03			1170	3570	A 11300
50-07-27			6390	8900	A 154000	57-05-04			2540	3850	A 26400
50-07-29			7710	6700	A 139000	57-05-09			373	850	A 856
50-07-31			3020	7400	A 60300	57-05-14			1650	2090	A 9310
50-08-22			1740	1200	A 5640	57-05-16			6280	8000	A 136000
50-09-06			1880	1300	A 6600	57-05-23			3340	2040	A 18400
50-09-19			2000	1900	A 10300	57-05-24			608	970	A 1590
50-10-01			1410	2300	A 8760	57-05-25			3550	7950	A 76200
50-10-03			374	2000	A 2020	57-05-28			2130	3630	A 20900
50-10-18			137	400	A 148	57-06-04			682	2050	A 3770
50-10-24			123	200	A 66	57-06-12			441	1130	A 1350
50-11-16			65	200	A 35	57-06-18			258	640	A 446
50-11-20			76	200	A 41	57-06-20			2990	2010	A 16200
50-11-28			141	200	A 76	57-06-24			13000	7590	A 266000
50-12-14			174	300	A 141	57-06-26			4420	5800	A 69200
51-01-04			169	300	A 137	57-06-27			5250	4310	A 61100
51-01-17			230	200	A 124	57-07-02			7350	9160	A 182000
51-01-31			64	200	A 35	57-07-08			866	550	A 1290
51-02-07			76	100	A 21	57-07-15			840	340	A 771
51-02-20			262	200	A 141	57-07-22			751	390	A 791
51-03-01			389	500	A 525	57-07-29			1390	1500	A 5630
51-03-13			173	1900	A 887	57-09-14			369	3490	A 3480
51-03-28			146	100	A 39	57-09-16			547	3420	A 5050
51-04-05			277	300	A 224	58-01-22			102	190	A 52
51-05-01			160	200	A 86	58-03-20			176	340	A 162
51-05-14			32	300	A 26	58-03-26			163	170	A 75
51-05-17			18100	7600	A 371000	58-04-21			174	240	A 113
51-05-18			25100	8800	A 596000	58-05-19			132	230	A 82
51-05-30			1150	800	A 2480	58-06-22			1660	8970	A 40200
51-06-12			3620	95000	A 929000	58-06-26			526	1900	A 2700
51-06-21			2380	33500	A 215000	58-07-09			1020	2240	A 6170
51-06-25			5190	51200	A 717000	58-07-21			383	5610	A 5800
51-07-05			1270	300	A 1030	58-08-03			2300	4820	A 29900
51-07-10			1250	300	A 1010	58-08-07			235	1340	A 850
51-07-18			183	100	A 49	58-08-22			5370	15900	A 231000

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

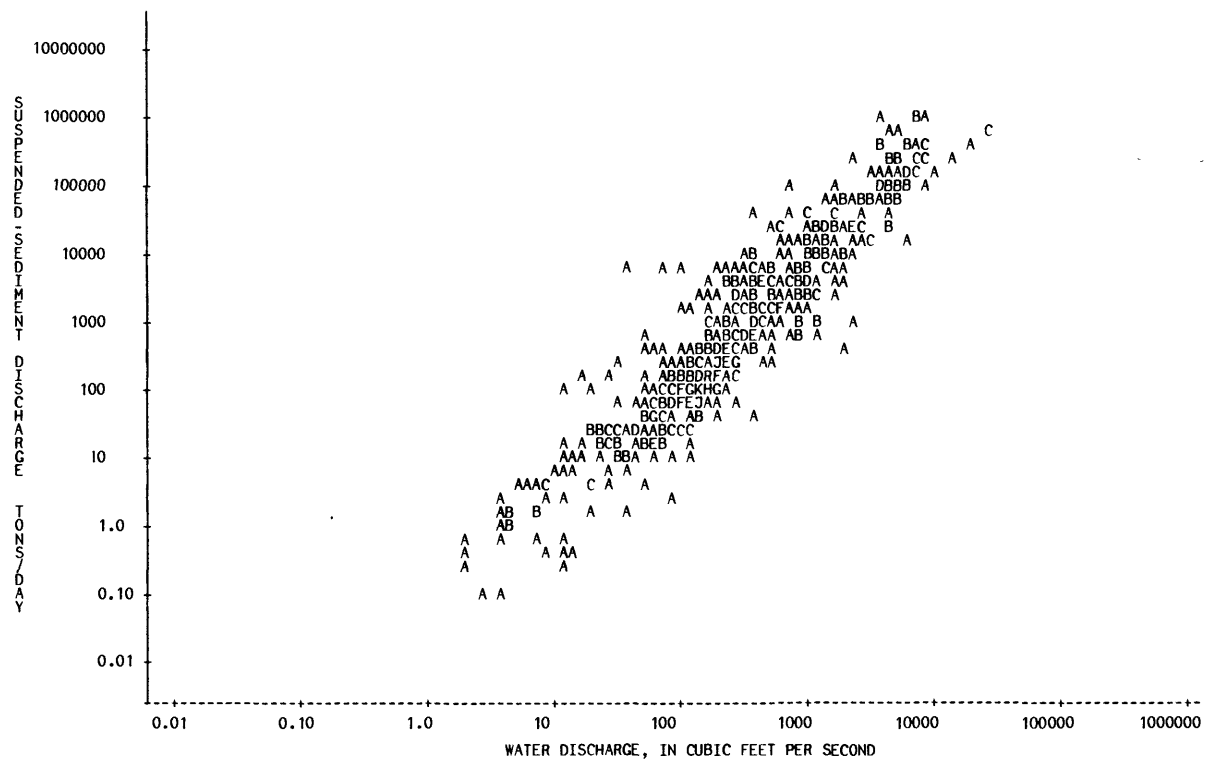
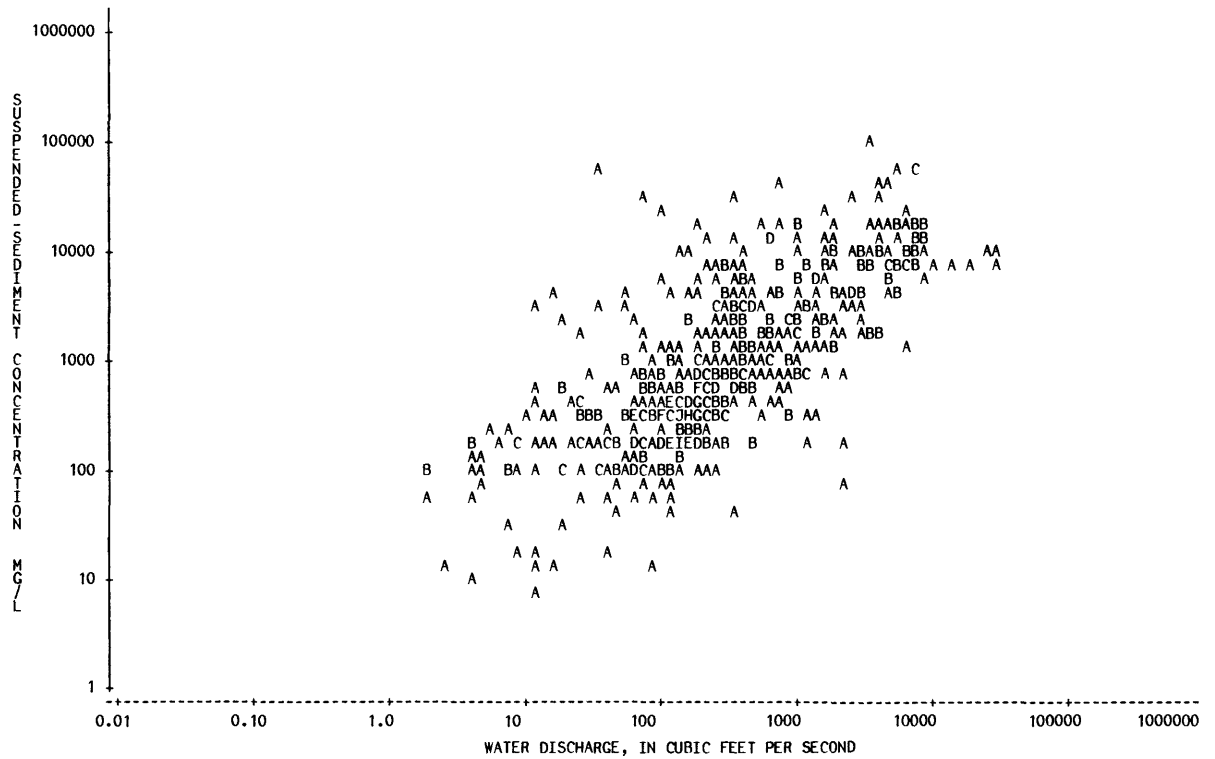
07237500 NORTH CANADIAN RIVER AT WOODWARD, OKLA.--CONTINUED

421

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-09-12			610	11700	A	19300	77-10-13	1345	18	89	4.3
59-01-14			146	350	A	138	77-11-02	1330	19	33	1.7
59-02-13			167	190	A	86	77-12-21	1600	47	116	15
59-03-25			146	610	A	240	78-02-13	1500	77	77	16
59-04-08			159	270	A	116	78-03-27	1430	44	87	10
59-05-14			182	660	A	324	78-04-18	0800	63	101	17
59-06-15			213	450	A	259	78-05-23	1745	33	171	15
59-07-15			142	310	A	119	78-05-31	1703	1260	690	A 2350
60-01-15			166	400	A	179	78-06-02	1637	1560	690	A 2910
60-02-18			199	360	A	193	78-07-13	1700	52	296	42
60-03-09			160	310	A	134	78-08-03	1040	37	16	1.6
60-03-24			159	260	A	112	78-09-12	1400	3.8	61	0.63
60-04-07			113	80	A	24	78-10-12	1320	12	90	2.9
60-05-06			182	450	A	221	78-12-01	0730	6.1	201	3.3
60-06-09			840	2720	A	6170	78-12-21	1100	8.5	176	4.0
60-06-16			446	600	A	723	79-01-23	0945	42	224	25
60-08-24			190	280	A	144	79-02-21	1700	73	132	26
60-09-30			257	3500	A	2430	79-03-20	1500	82	281	62
60-10-21			200	810	A	437	79-04-10	1400	62	137	23
60-10-24			761	4290	A	8810	79-05-10	1400	946	735	1880
60-11-02			112	400	A	121	79-06-28	1600	273	281	207
61-02-03			108	80	A	23	79-07-18	1400	146	1070	422
61-02-15			202	220	A	120	79-08-08	0730	66	345	61
61-03-22			317	740	A	633	79-09-12	1400	14	176	6.7
61-04-06			255	320	A	220	79-10-03	1000	7.0	226	4.3
61-04-20			133	210	A	75	79-11-05	1500	170	289	133
61-05-04			326	2130	A	1870	79-12-04	1630	35	89	8.4
61-05-18			267	460	A	332	80-01-07	1630	79	131	28
61-06-15			237	590	A	378	80-02-12	1200	91	52	13
61-07-20			137	1350	A	499	80-03-03	1330	66	57	10
62-03-09			119	40	A	13	80-04-01	1630	99	210	56
62-04-27			96	350	A	91	80-05-07	1350	469	646	818
62-06-06			414	1650	A	1840	80-06-10	1815	500	203	274
62-06-20			251	1490	A	1010	80-07-02	1050	128	126	44
62-07-02			207	1740	A	972	80-08-05	1415	15	12	0.49
63-06-04			2450	4440	A	29400	80-09-09	1600	3.8	11	0.11
63-06-05			1860	2190	A	11000					
63-06-12			176	820	A	390					
64-06-22			289	1010	A	788					
64-06-23			202	610	A	333					
65-05-19			884	2130	A	5080					
65-05-20			677	2310	A	4220					
65-08-26			555	16100	A	24100					
65-09-01			108	6320	A	1840					
67-06-22			254	7070	A	4850					
67-06-29			308	7470	A	6210					
67-07-06			1500	4930	A	20000					
67-07-13			320	1910	A	1650					
67-07-27			119	1380	A	443					
67-08-11			3330	17200	A	155000					
67-08-17			270	3470	A	2530					
68-05-29			164	370	A	164					
68-06-11			4530	5030	A	61500					
68-06-20			656	2460	A	4360					
68-06-27			190	450	A	231					
68-09-06			174	1130	A	531					
68-10-19			5100	4900	A	67500					
68-10-22			1500	2110	A	8550					
71-11-19			4430	3770	A	45100					
71-11-22			1000	3420	A	9230					
71-12-16			189	250	A	128					
72-01-12			143	130	A	50					
72-05-17			416	3250	A	3650					
72-05-25			125	370	A	125					
72-06-01			177	930	A	444					
75-03-06	1000		86	13		3.0					
75-04-02	1030		48	39		5.1					
75-05-13	1230		359	37		36					
75-06-11	0800		126	57		19					
75-07-08	1500		12	12		0.39					
75-08-06	1100	4.6		106		1.3					
75-10-16	1000	1.8		91		0.44					
76-02-10	1300		11	18		0.53					
76-03-09	1600		12	8		0.26					
76-04-13	1400		27	60		4.4					
76-05-11	0630		257	102		71					
76-06-10	0800		56	131		20					
76-09-29	0900	2.7		15		0.11					
76-11-22	1400	5.4		260		3.8					
76-12-27	1400	4.0		118		1.3					
77-01-27	0830	4.0		175		1.9					
77-02-22	1400	4.6		80		0.99					
77-03-22	1435	4.3		90		1.0					
77-04-26	1145	4.6		129		1.6					
77-05-24	1145	2060		81		451					
77-06-21	0900	40		88		9.5					
77-07-26	0800	8.0		19		0.41					
77-08-15	1745	7.8		28		0.59					
77-09-13	1330	66		237		42					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07237500 NORTH CANADIAN RIVER AT WOODWARD, OKLA.



## ARKANSAS RIVER BASIN

07238000 NORTH CANADIAN RIVER NEAR SEILING, OKLA.

LOCATION.--Lat 36°11'06", long 98°55'15", in NW 1/4 sec.28, T.20 N., R.16 W., Major County, Hydrologic Unit 11100301, near center of span on downstream side of pier of bridge on U.S. Highway 60, 2.0 mi (3.2 km) upstream from Seiling Creek, 2.2 mi (3.5 km) north of Seiling, 2.8 mi (4.5 km) downstream from Deep Creek, and at mile 422.6 (680.0 km).

DRAINAGE AREA.--12,261 mi<sup>2</sup> (31,756 km<sup>2</sup>), of which 4,847 mi<sup>2</sup> (12,554 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1943-70, 1972, 1976, 1978-80.

REMARKS.--Some regulation by Fort Supply Lake on Wolf Creek, 70.6 mi (113.6 km) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-08-19			16	400	A 17	46-10-02			41	2200	A 244
43-08-20			40	500	A 54	46-10-08			3960	10100	A 108000
43-08-21			68	400	A 73	46-10-09	0001		5360	7100	A 103000
43-08-22			67	400	A 72	46-10-09	0002		5290	6500	A 92800
43-08-24			60	300	A 49	46-10-10			8240	13000	A 289000
43-08-25			58	300	A 47	46-10-11	0001		28900	9700	A 757000
43-08-26			13	200	A 7.0	46-10-11	0002		23000	5200	A 323000
43-10-30	0001		186	1900	A 954	46-10-12			4320	7000	A 81600
43-10-30	0002		130	1000	A 351	46-10-13			2240	8200	A 49600
43-10-31			185	800	A 400	46-10-21			1160	1600	A 5010
43-11-01			208	600	A 337	46-10-29			309	800	A 667
43-11-02			207	700	A 391	46-11-06			2230	3500	A 21100
43-11-03			142	300	A 115	46-11-12			502	1000	A 1360
43-11-04			93	300	A 75	46-11-14			1160	1500	A 4700
43-11-05			20	300	A 16	46-11-19			352	900	A 855
43-11-06			54	200	A 29	46-12-04			288	400	A 311
43-11-07			37	200	A 20	46-12-19			268	300	A 217
43-11-08			24	200	A 13	47-01-07			87	300	A 70
43-11-09			21	200	A 11	47-01-14			208	400	A 225
43-11-10			18	300	A 15	47-01-28			254	300	A 206
43-11-11			18	200	A 9.7	47-02-06			211	200	A 114
43-11-12			14	200	A 7.6	47-02-18			147	500	A 198
43-11-13			12	200	A 6.5	47-02-26			145	400	A 157
43-11-14			11	200	A 5.9	47-03-04			116	300	A 94
44-02-08			55	200	A 30	47-03-18			703	1200	A 2280
44-02-10	0001		111	500	A 150	47-04-01			231	500	A 312
44-02-10	0002		149	900	A 362	47-04-15			1210	1900	A 6210
44-02-11			39	300	A 32	47-04-22			415	500	A 560
44-02-12			59	100	A 16	47-04-30			410	600	A 664
44-02-13			80	300	A 65	47-05-06			934	1200	A 3030
44-02-14			152	400	A 164	47-05-15			1400	5500	A 20800
44-02-15			162	400	A 175	47-05-16			6910	6000	A 112000
44-02-16			164	300	A 133	47-05-17			6790	5600	A 103000
44-02-17			144	300	A 117	47-05-18			2180	5600	A 33000
44-02-19			114	200	A 62	47-05-21			3230	5200	A 45300
44-02-20			119	200	A 64	47-05-27			3270	3500	A 30900
44-02-22			126	300	A 102	47-06-04			635	3400	A 5830
44-02-25			123	300	A 100	47-06-17			145	200	A 78
44-02-28			157	400	A 170	47-06-28			3320	10500	A 94100
44-03-01			173	300	A 140	47-07-08			200	700	A 378
44-03-03			182	500	A 246	47-07-15			628	1300	A 2200
44-03-06			115	400	A 124	47-07-23			85	100	A 23
44-03-07			89	400	A 96	47-07-30			123	300	A 100
44-03-08			76	600	A 123	48-02-16			9.0	300	A 7.3
44-03-10			58	200	A 31	48-02-18			49	200	A 26
44-11-23			30	100	A 8.1	48-02-24			123	1200	A 399
46-08-29			28	13000	A 983	48-03-16			936	3800	A 9600
46-08-30			499	22100	A 29800	48-03-30			136	300	A 110
46-08-31			632	17700	A 30200	48-04-06			98	100	A 26
46-09-04			61	4300	A 708	48-04-16			69	100	A 19
46-09-10			29	2600	A 204	48-04-28			123	200	A 66
46-09-12			331	4300	A 3840	48-05-05			87	100	A 23
46-09-16			5.0	700	A 9.5	48-05-08			16	200	A 8.6

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07238000 NORTH CANADIAN RIVER NEAR SEILING, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-06-03			10.0	200	A 5.4	50-07-30			4280	3600	A 41600
48-06-08			82	39600	A 8770	50-07-31			5100	7900	A 109000
48-06-16			6.0	400	A 6.5	50-08-01			2450	9000	A 59500
48-06-29			3340	7700	A 69400	50-08-03			6900	4300	A 80100
48-07-07			349	800	A 754	50-08-04			8630	3300	A 76900
48-07-26			155	2200	A 921	50-08-08			1120	1700	A 5140
48-08-09			8240	10500	A 234000	50-08-23			1940	1500	A 7860
48-08-10			1080	8300	A 24200	50-09-06			1870	1500	A 7570
48-08-17			862	5200	A 12100	50-09-13			4240	10100	A 116000
48-08-24			172	500	A 232	50-09-20			1430	1700	A 6560
48-08-31			113	1500	A 458	50-10-04			495	1200	A 1600
48-09-09			50	300	A 40	50-10-18			153	300	A 124
48-09-30			9.0	400	A 9.7	50-10-23			136	200	A 73
48-10-14			1.0	300	A 0.81	50-10-30			104	100	A 28
48-10-21			2.0	200	A 1.1	50-11-20			100	200	A 54
48-10-28			2.0	400	A 2.2	50-11-27			112	100	A 30
48-11-12			75	300	A 61	50-12-12			176	2200	A 1050
48-11-24			43	300	A 35	50-12-19			226	500	A 305
48-12-03			131	400	A 141	51-01-02			153	300	A 124
48-12-10			115	600	A 186	51-01-15			226	200	A 122
49-01-03			122	600	A 198	51-01-29			97	300	A 79
49-01-13			51	100	A 14	51-02-05			102	200	A 55
49-01-21			138	200	A 75	51-02-12			377	900	A 916
49-01-31			75	200	A 40	51-02-19			297	300	A 241
49-02-15			729	1600	A 3150	51-02-27			455	700	A 860
49-03-03			784	1800	A 3810	51-03-14			206	1900	A 1060
49-03-08			242	600	A 392	51-03-28			153	100	A 41
49-03-18			305	600	A 494	51-04-03			370	13000	A 13000
49-03-22			240	400	A 259	51-04-16			250	200	A 135
49-03-30			1090	18500	A 54400	51-04-23			134	100	A 36
49-04-05			492	1000	A 1330	51-05-02			158	100	A 43
49-04-13			159	100	A 43	51-05-08			91	300	A 74
49-04-20			110	100	A 30	51-05-16			5810	12900	A 202000
49-04-26			117	200	A 63	51-05-17			10600	6700	A 192000
49-05-03			435	1300	A 1530	51-05-18			21300	9800	A 564000
49-05-07			2790	9700	A 73100	51-05-19			29300	8200	A 649000
49-05-10			1010	2300	A 6270	51-05-21			5200	6200	A 87000
49-05-19			12300	3800	A 126000	51-05-29			945	1100	A 2810
49-05-20			5320	7900	A 113000	51-06-12			3100	17800	A 149000
49-05-21			2340	5700	A 36000	51-06-21			2840	2400	A 18400
49-06-02			2480	1800	A 12100	51-06-26			2290	6000	A 37100
49-06-06			3020	4800	A 39100	51-07-02			1380	5100	A 19000
49-06-10			6110	8000	A 132000	51-07-20			218	300	A 177
49-06-13			3460	7200	A 67300	51-07-24			1080	300	A 875
49-06-15			3100	7600	A 63600	51-07-30			312	100	A 84
49-06-20			1340	2000	A 7240	51-08-09			105	200	A 57
49-06-29			571	1500	A 2310	51-08-20			39	200	A 21
49-07-06			156	400	A 168	51-08-29			49	100	A 13
49-07-13			3900	6300	A 66300	51-09-14			20	900	A 49
49-07-20			347	700	A 656	51-09-24			15	100	A 4.0
49-07-26			141	200	A 76	51-10-15			11	100	A 3.0
49-08-01			154	300	A 125	51-10-30			35	200	A 19
49-08-16			96	300	A 78	51-11-19			64	100	A 17
49-08-23			39	700	A 74	51-12-10			117	100	A 32
49-08-30			50	100	A 13	51-12-26			83	200	A 45
49-09-14			110	200	A 59	52-01-04			84	100	A 23
49-09-27			33	100	A 8.9	52-01-22			144	200	A 78
49-10-12			1250	10000	A 33800	52-02-04			140	100	A 38
49-10-18			248	800	A 536	52-03-03			200	200	A 108
49-10-27			222	1900	A 1140	52-03-17			273	200	A 147
49-11-08			82	100	A 22	52-03-31			152	100	A 41
49-11-14			86	300	A 70	52-04-14			202	100	A 55
49-12-07			96	100	A 26	52-04-23			589	1200	A 1910
50-01-10			131	300	A 106	52-04-28			482	1400	A 1820
50-01-24			128	100	A 35	52-05-26			136	100	A 37
50-01-31			112	100	A 30	52-06-04			78	100	A 21
50-02-07			173	200	A 93	53-02-16			5.0	200	A 2.7
50-02-24			160	300	A 130	53-02-26			6.0	200	A 3.2
50-02-28			158	200	A 85	53-03-02			17	200	A 9.2
50-03-14			83	200	A 45	53-03-16			12	200	A 6.5
50-03-31			67	200	A 36	53-04-01			4.0	100	A 1.1
50-04-13			45	100	A 12	53-04-09			15	100	A 4.0
50-04-25			52	1200	A 168	53-04-20			5.0	100	A 1.4
50-05-11			522	900	A 1270	53-04-28			1.0	200	A 0.54
50-05-24			515	600	A 834	53-05-15			16	100	A 4.3
50-06-01			78	100	A 21	53-07-13			9.0	270	A 6.6
50-06-11			2200	5100	A 30300	53-07-17			119	2020	A 649
50-06-13			178	400	A 192	53-07-18			10.0	300	A 8.1
50-06-21			45	200	A 24	53-07-21			3.0	80	A 0.65
50-06-27			13	300	A 11	53-07-23			10.0	600	A 16
50-07-06			627	6500	A 11000	53-07-24			584	5530	A 8720
50-07-07			3740	10200	A 103000	53-07-25			2670	6810	A 49100
50-07-11			969	2400	A 6280	53-07-28			1420	5160	A 19800
50-07-14			4980	7700	A 104000	53-07-29			753	2140	A 4350
50-07-20			6460	6800	A 119000	53-08-03			102	390	A 107
50-07-21			6840	6500	A 120000	53-08-17			31	130	A 11
50-07-23			6740	7200	A 131000	53-08-21			973	4390	A 11500
50-07-25			4000	12100	A 131000	53-08-24			310	2690	A 2250
50-07-29			8210	3500	A 77600	53-08-31			63	430	A 73

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

07238000 NORTH CANADIAN RIVER NEAR SEILING, OKLA.--CONTINUED

425

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++						+++++					
53-09-04			35	90	A 8.5	57-05-13			1260	5350	A 18200
53-09-09			19	140	A 7.2	57-05-17	0001	7020	7200	A 136000	
53-10-26			23	3410	A 212	57-05-17	0002	6930	10500	A 196000	
53-10-27			1040	790	A 2220	57-05-24			960	1690	A 4380
53-10-29			1090	1500	A 4410	57-05-28			1890	3800	A 19400
53-11-02			68	410	A 75	57-05-31			1690	3690	A 16800
53-11-16			15	50	A 2.0	57-06-13			535	1580	A 2280
53-12-01			16	100	A 4.3	57-06-19			328	490	A 434
54-01-04			46	50	A 6.2	57-06-24			9290	5050	A 127000
54-01-18			35	60	A 5.7	57-06-25			12900	5080	A 177000
54-02-01			50	50	A 6.7	57-07-02			7920	7780	A 166000
54-02-16			44	40	A 4.8	57-07-16			966	330	A 861
54-03-02			34	120	A 11	57-07-30			1610	670	A 2910
54-03-10			28	130	A 9.8	57-08-13			491	7480	A 9920
54-03-15			17	80	A 3.7	57-09-05			11	70	A 2.1
54-03-21			21	110	A 6.2	57-09-16			505	4210	A 5740
54-03-23			23	280	A 17	57-09-24			84	200	A 45
54-03-29			30	60	A 4.9	57-10-07			35	90	A 8.5
54-04-06			36	70	A 6.8	57-10-29			82	200	A 44
54-04-12			33	30	A 2.7	57-11-13			109	110	A 32
54-04-19			30	60	A 4.9	57-12-02			92	270	A 67
54-04-26			42	90	A 10	57-12-20			81	190	A 42
54-04-30			3080	6680	A 55600	58-01-07			91	150	A 37
54-05-01			154	530	A 220	58-02-05			97	440	A 115
54-05-11			95	290	A 74	58-03-31			204	320	A 176
54-05-17			115	340	A 106	58-04-28			219	150	A 89
54-05-24	0001		1090	4400	A 12900	58-05-19			197	200	A 106
54-05-24	0002		696	3500	A 6580	58-06-09			11	70	A 2.1
54-05-25			793	760	A 1630	58-06-22			3420	8280	A 76500
54-05-26			343	1380	A 1280	58-06-26			1610	3230	A 14000
54-06-02			224	550	A 333	58-07-01			147	650	A 258
54-06-09			94	340	A 86	58-07-24			736	11700	A 23300
54-06-15			318	7910	A 6790	58-08-05			1180	3280	A 10500
54-06-18			33	90	A 8.0	58-10-21			13	40	A 1.4
54-06-19	0001		390	7600	A 8000	58-11-12		9.0		110	A 2.7
54-06-19	0002		102	1700	A 468	58-12-02			22	180	A 11
54-06-22			124	1610	A 539	58-12-16			18	40	A 1.9
55-05-04	0001		263	15000	A 10700	59-01-07			55	120	A 18
55-05-04	0002		252	13300	A 9050	59-02-05			163	480	A 211
55-05-06	0001		549	8100	A 12000	59-03-04			90	200	A 49
55-05-06	0002		438	10500	A 12400	59-03-24			104	200	A 56
55-05-07			225	5000	A 3040	59-04-08			211	450	A 256
55-05-08			113	3180	A 970	59-04-14			246	610	A 405
55-05-09			98	3860	A 1020	59-05-05			514	11600	A 16100
55-05-10			61	1270	A 209	59-05-21			131	400	A 141
55-05-11			75	1260	A 255	59-06-08			52	100	A 14
55-05-12			84	1460	A 331	59-06-24			40	200	A 22
55-05-16			18	80	A 3.9	59-06-28			35	600	A 57
55-05-18			3590	5910	A 57300	59-11-02			19	100	A 5.1
55-06-01			609	3820	A 6280	59-11-18			17	380	A 17
55-06-06			340	10300	A 9460	60-02-02			130	270	A 95
55-06-20			6230	10300	A 173000	60-02-18			264	390	A 278
55-06-21			8660	8150	A 191000	60-03-09			262	350	A 248
55-07-05			1030	3740	A 10400	60-03-23			249	360	A 242
55-07-11			135	240	A 87	60-04-07			177	190	A 91
55-07-21			324	2450	A 2140	60-04-21			188	250	A 127
55-08-01			41	90	A 10	60-05-06			151	280	A 114
55-08-11			17	70	A 3.2	60-05-26			141	230	A 88
55-08-22			11	120	A 3.6	60-06-09			511	3540	A 4880
55-10-05			25	790	A 53	60-06-16			293	500	A 396
56-01-04			1.0	100	A 0.27	60-06-29			27	130	A 9.5
56-02-01			2.0	160	A 0.86	60-07-21			17	80	A 3.7
56-02-13			3.0	130	A 1.1	60-08-04			16	50	A 2.2
56-02-21			10.0	100	A 2.7	60-08-18			71	1390	A 266
56-02-23			17	110	A 5.0	60-08-24			121	390	A 127
56-02-29			13	600	A 21	60-10-05			115	1190	A 369
56-03-20			2.0	80	A 0.43	60-10-21			250	1390	A 938
56-04-25			2.0	90	A 0.49	60-10-24			742	5810	A 11600
56-05-08			1.0	100	A 0.27	60-12-02			65	60	A 11
56-05-28			1000	13900	A 37500	61-01-10			113	390	A 119
56-05-29			428	12500	A 14400	61-01-19			100	100	A 27
56-06-04			53	1330	A 190	61-02-03			100	60	A 16
56-06-06			95	1900	A 487	61-02-15			251	440	A 298
56-07-09			17	20000	A 918	61-03-01			124	100	A 33
56-07-11			132	61500	A 21900	61-03-22			373	200	A 201
56-07-24			104	16300	A 4580	61-04-05			406	810	A 888
56-08-21		1.0		2110	A 5.7	61-04-19			183	160	A 79
56-10-30			106	6520	A 1870	61-05-17			118	260	A 83
57-04-01			3.0	220	A 1.8	61-06-01			159	540	A 232
57-04-03			1710	9540	A 44000	61-06-15			446	1260	A 1520
57-04-04			456	4280	A 5270	61-07-06			15	10	A 0.40
57-04-08			201	1470	A 798	61-07-19			318	1850	A 1590
57-04-15			31	530	A 44	61-08-02			27	180	A 13
57-04-21			696	8920	A 16800	61-08-15			446	7270	A 8750
57-04-22			508	4150	A 5690	61-09-06			16	70	A 3.0
57-04-29			228	1390	A 856	61-09-20		6.0		20	A 0.32
57-05-01			179	620	A 300	61-10-19		4.0		30	A 0.32
57-05-03			1110	3180	A 9530	61-11-09			43	10	A 1.2
57-05-06			1970	2430	A 12900	61-11-17			83	90	A 20

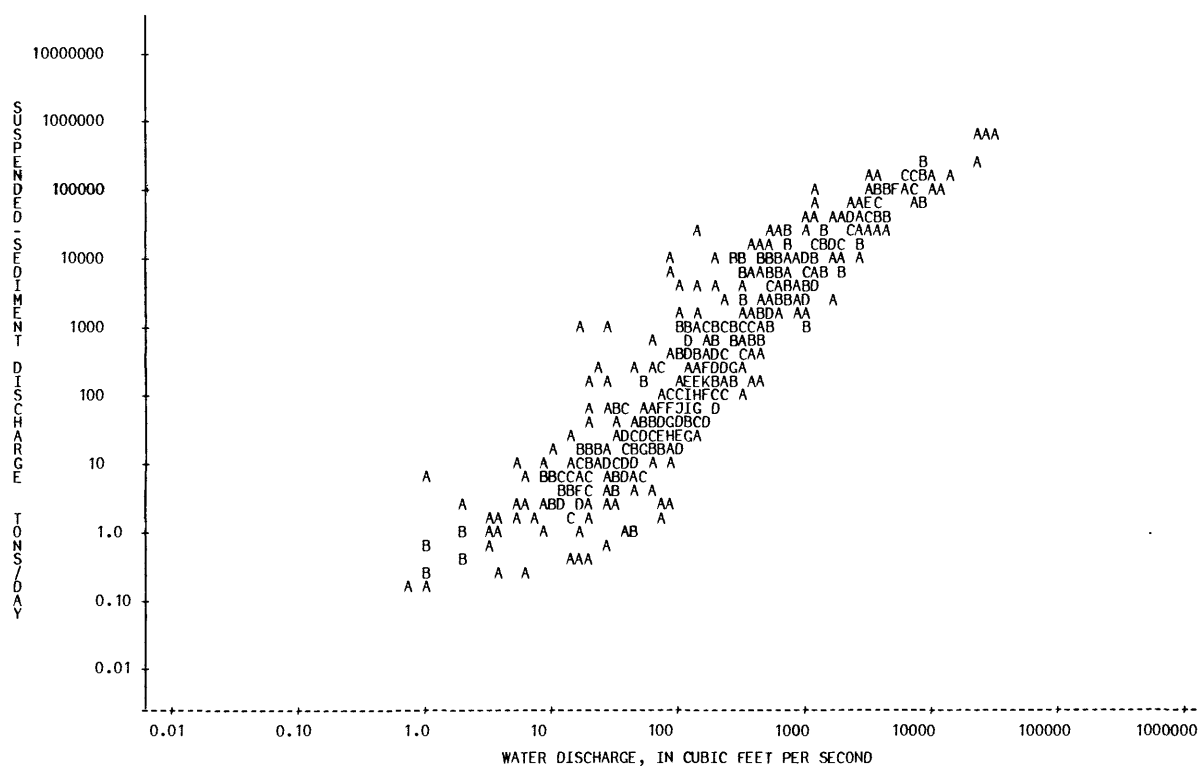
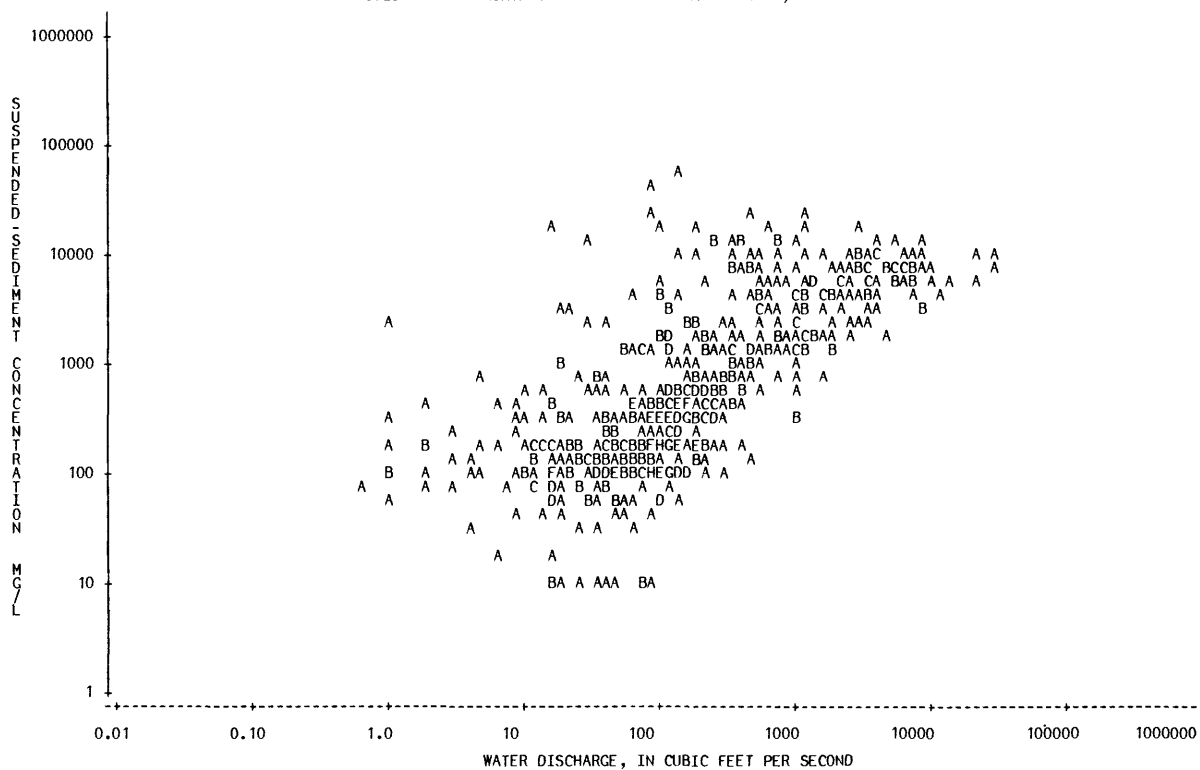
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07238000 NORTH CANADIAN RIVER NEAR SEILING, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-11-29			51	50	A 6.9	67-07-20			341	7560	A 6960
61-12-15			50	100	A 13	67-08-08			195	19000	A 10000
61-12-28			99	190	A 51	67-08-12			2160	4140	A 24100
62-03-08			140	60	A 23	67-09-07			113	890	A 272
62-03-21			75	200	A 40	67-09-15			46	230	A 29
62-04-04			89	110	A 26	67-09-26			18	10	A 0.49
62-04-26			60	180	A 29	67-10-17			15	50	A 2.0
62-05-09			50	250	A 34	68-01-31			79	420	A 90
62-05-23			11	140	A 4.2	68-02-20			77	220	A 46
62-06-05			580	3090	A 4840	68-04-25			42	270	A 31
62-06-20			354	1410	A 1350	68-05-16			436	130	A 153
62-07-03			246	1730	A 1150	68-06-05			818	1810	A 4000
62-07-11			68	370	A 68	68-06-11			2960	10100	A 80700
62-08-02			51	580	A 80	68-06-12			3450	2330	A 21700
62-08-15		4.0		130	A 1.4	68-06-19			1640	2030	A 8990
62-09-19			85	290	A 67	68-06-28			208	410	A 230
62-10-03			37	220	A 22	68-07-16			127	470	A 161
62-10-17			13	200	A 7.0	68-08-06			12	70	A 2.3
62-10-23			16	130	A 5.6	68-08-28			20	1150	A 62
62-11-21			37	70	A 7.0	68-09-08			20	2790	A 151
62-12-05			77	1500	A 312	68-09-19			34	680	A 62
62-12-19			60	30	A 4.9	68-10-15			116	90	A 28
63-01-10			86	110	A 26	68-10-18			2660	4350	A 31200
63-01-24			28	140	A 11	68-10-19			3280	4990	A 44200
63-02-14			170	310	A 142	68-10-20			3590	4670	A 45300
63-02-27			109	190	A 56	68-10-22			1610	3990	A 17300
63-03-13			96	50	A 13	68-10-25			1000	2400	A 6480
63-03-27			61	140	A 23	68-11-07			281	820	A 622
63-04-10			70	80	A 15	68-11-27			141	4350	A 1660
63-04-24			27	70	A 5.1	68-12-17			118	590	A 188
63-05-08			18	50	A 2.4	69-01-15			150	2720	A 1100
63-05-22		9.0		40	A 0.97	69-02-11			104	50	A 14
63-06-04			1800	3860	A 18800	69-03-03			192	120	A 62
63-06-11			277	1430	A 1070	69-03-25			409	440	A 486
63-06-26			68	150	A 28	69-04-15			186	150	A 75
64-02-12			77	10	A 2.1	69-05-08			692	7160	A 13400
64-02-26			49	150	A 20	69-05-27			551	2240	A 3330
64-03-18			43	120	A 14	69-06-18			1010	1180	A 3220
64-04-01			36	10	A 0.97	69-07-07			104	100	A 28
64-04-15			27	10	A 0.73	69-07-29			17	110	A 5.0
64-04-29			17	10	A 0.46	69-08-18			1.0	50	A 0.14
64-05-13			26	30	A 2.1	69-09-09			105	4320	A 1220
64-06-10			16	20	A 0.86	69-10-01			120	2840	A 920
64-06-22			344	1290	A 1200	69-10-21			33	360	A 32
64-06-23			333	1040	A 935	71-11-02			88	40	A 9.5
64-11-17			114	2030	A 625	71-11-22			1590	4470	A 19200
64-12-29			25	80	A 5.4	71-11-23			1250	3870	A 13100
65-01-19			41	100	A 11	71-12-16			210	310	A 176
65-02-11			71	10	A 1.9	72-01-12			142	140	A 54
65-03-04			47	10	A 1.3	72-01-25			122	160	A 53
65-03-24			88	100	A 24	72-02-18			105	180	A 51
65-04-13			86	10	A 2.3	72-03-17			71	150	A 29
65-05-03			40	100	A 11	72-04-05			54	150	A 22
65-05-14			111	1920	A 575	72-05-15			1420	5900	A 22600
65-05-19			1800	2000	A 9720	72-05-17			515	3640	A 5060
65-05-20			1010	1330	A 3630	72-05-25			160	390	A 168
65-05-26			1030	3310	A 9210	72-06-02			173	540	A 252
65-06-16			4410	2010	A 23900	76-03-18			37	120	A 12
65-06-29			3530	4640	A 44200	78-03-09		1040	68	130	A 24
65-06-30			4070	4570	A 50200	78-04-13		1805	102	270	A 74
65-07-02			2490	2660	A 17900	78-05-31		1930	980	650	A 1720
65-07-07			800	1500	A 3240	78-08-22		1715	17	200	A 9.2
65-07-13			348	470	A 442	78-10-02		1412	17	50	A 2.3
65-07-28			104	630	A 177	78-10-30		1120	10.0	90	A 2.4
65-08-31			183	9780	A 4830	79-04-23		1108	115	260	A 81
65-09-14			33	690	A 61	79-07-07		1501	119	210	A 67
65-09-28			91	26500	A 6510	79-08-27		1347	54	40	A 5.8
65-10-18			1840	8030	A 39900	79-10-09		1251	7.0	70	A 1.3
65-12-09			85	130	A 30	79-11-15		1131	106	190	A 54
66-01-05			129	430	A 150	80-01-09		1056	103	120	A 33
66-01-24			67	290	A 52	80-02-19		1233	108	160	A 47
66-02-16			160	790	A 341	80-03-28		0952	115	70	A 22
66-03-08			152	620	A 254	80-04-17		0904	178	350	A 168
66-03-30			99	50	A 13	80-07-07		1231	129	210	A 73
66-04-27			88	390	A 93	80-07-29		1651	27	130	A 9.5
66-06-09			195	1100	A 579	80-09-03		1048	0.68	80	A 0.15
66-09-07			146	8980	A 3540						
67-01-10			21	90	A 5.1						
67-03-21			38	70	A 7.2						
67-04-06			45	110	A 13						
67-04-19			174	2490	A 1170						
67-04-20			159	1300	A 558						
67-05-03			21	130	A 7.4						
67-06-13			35	150	A 14						
67-06-22			344	12400	A 11500						
67-06-27			109	1380	A 406						
67-07-06			782	11700	A 24700						
67-07-07			1200	27000	A 87500						
67-07-12			409	2030	A 2240						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07238000 NORTH CANADIAN RIVER NEAR SEILING, OKLA.



## ARKANSAS RIVER BASIN

07238500 CANTON LAKE NEAR CANTON, OKLA.

LOCATION.--Lat 36°05'03", long 98°36'05", in SE 1/4 NE 1/4 sec.32, T.19 N., R.13 W., Blaine County, Hydrologic Unit 11100301, near right end of Canton Dam on North Canadian River, 2.0 mi (3.2 km) northwest of Canton, and at mile 394.3 (634.4 km).

DRAINAGE AREA.--12,483 mi<sup>2</sup> (32,331 km<sup>2</sup>), of which 4,883 mi<sup>2</sup> (12,647 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1948-60, 1962-63.

REMARKS.--Flow partly regulated by Fort Supply Lake for the period May 1942 to April 1948 and completely thereafter by Canton Lake. Suspended-sediment samples collected at lake outflow.

DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-08-12		894	200	A 483	52-03-02		950	100	A 256
48-08-14		1920	100	A 518	53-03-03		940	100	A 254
48-08-15		1970	200	A 1060	53-07-18		960	150	A 389
48-08-16		1970	200	A 1060	53-07-19		910	220	A 541
48-08-17		78	100	A 21	53-09-08		1460	130	A 512
48-08-18		1630	100	A 440	53-09-09		1530	190	A 785
48-08-19		1000	200	A 540	53-09-10		1480	170	A 679
48-08-20		628	100	A 170	53-09-11		1450	120	A 470
48-08-23		606	100	A 164	53-09-12		1480	140	A 559
48-08-24		347	200	A 187	54-03-18		1570	120	A 509
49-03-01		207	100	A 56	54-03-19		1460	170	A 670
49-05-04		410	100	A 111	54-03-20		1460	170	A 670
49-05-05		402	100	A 109	54-03-21		1480	160	A 639
49-05-31		2840	100	A 767	54-03-22		1020	130	A 358
49-06-22		3430	100	A 926	54-05-04		920	150	A 373
49-07-13		1180	100	A 319	54-05-05		880	140	A 333
49-07-14		1180	100	A 319	54-05-27		1020	160	A 441
49-07-15		1200	100	A 324	54-05-28		1020	300	A 826
49-07-21		1220	100	A 329	54-05-29		1000	140	A 378
49-07-22		1220	100	A 329	54-05-31		1000	200	A 540
49-10-14		80	100	A 22	54-06-01		960	160	A 415
49-10-17		48	100	A 13	55-05-24		1450	170	A 666
49-10-19		43	100	A 12	55-05-25		1500	190	A 770
49-10-20		42	100	A 11	55-05-26		1510	220	A 897
49-10-28		23	100	A 6.2	55-05-27		1520	320	A 1310
49-11-14		118	100	A 32	55-05-28		1520	160	A 657
49-11-15		118	100	A 32	55-05-29		1600	240	A 1040
49-11-18		84	100	A 23	55-05-30		1600	280	A 1210
50-01-25		251	100	A 68	55-05-31		1580	140	A 597
50-01-26		251	100	A 68	55-06-01		1570	210	A 890
50-01-27		220	100	A 59	55-06-02		1950	240	A 1260
50-02-17		261	200	A 141	55-06-03		1920	220	A 1140
50-02-20		256	100	A 69	55-06-05		1820	230	A 1130
50-07-12		1670	100	A 451	55-06-06		1980	120	A 642
50-07-13		2570	100	A 694	55-06-07		1560	120	A 505
50-07-14		2250	100	A 608	55-06-08		1500	80	A 324
50-07-15		1720	100	A 464	55-06-19		1770	330	A 1580
50-07-16		1670	100	A 451	55-06-20		1830	140	A 692
50-08-17		831	40	A 90	55-06-21		1500	80	A 324
50-08-20		3160	70	A 597	55-06-22		1560	200	A 842
50-08-21		3090	20	A 167	55-06-23		840	110	A 249
50-08-23		3160	20	A 171	55-06-29		1620	100	A 437
50-08-24		3230	20	A 174	55-06-30		2000	270	A 1460
50-08-25		3230	20	A 174	55-07-01		1990	130	A 698
50-08-27		3230	20	A 174	55-07-02		1980	120	A 642
50-09-12		2950	100	A 797	55-07-04		1940	120	A 629
50-10-10		2620	100	A 707	55-07-05		1950	150	A 790
50-10-11		2580	100	A 697	55-07-06		1940	150	A 786
50-10-12		2540	100	A 686	56-07-06		1660	130	A 583
50-10-13		2040	100	A 551	56-07-07		1640	100	A 443
50-10-14		2030	100	A 548	56-07-08		1620	180	A 787
52-02-18		980	100	A 265	56-07-09		1600	90	A 389
52-03-01		960	100	A 259	56-07-10		1560	130	A 548

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07238500 CANTON LAKE NEAR CANTON, OKLA.--CONTINUED

429

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
56-07-11			1530	100	A 413	58-08-25			1410	230	A 876
56-07-12			1520	200	A 821	58-09-13			468	230	A 291
56-07-13			1720	110	A 511	59-07-30			90	260	A 63
57-03-05			1500	50	A 203	59-10-12			786	160	A 340
57-03-06			1680	80	A 363	59-10-13			763	150	A 309
57-03-07			1630	160	A 704	60-02-08			832	60	A 135
57-03-08			1590	20	A 86	60-06-13			955	330	A 851
57-03-09			1660	70	A 314	62-06-13			349	10	A 9.4
57-03-10			1660	80	A 359	62-06-14			981	20	A 53
57-03-11			1720	100	A 464	62-06-15			1260	40	A 136
57-05-21			1080	30	A 87	62-06-16			1020	60	A 165
57-05-22			1090	30	A 88	62-06-17			965	20	A 52
57-05-23			1100	40	A 119	63-05-21			1010	60	A 164
57-05-24			1360	50	A 184	63-05-23			1010	140	A 382
57-05-26			1000	130	A 351	63-05-24			1010	150	A 409
57-05-27			1000	30	A 81	63-05-25			1010	140	A 382
57-05-28			1380	40	A 149						
57-05-29			1390	10	A 38						
57-05-30			1390	20	A 75						
57-05-31			1390	30	A 113						
57-06-01			1410	40	A 152						
57-06-02			1410	20	A 76						
57-06-03			1410	20	A 76						
57-06-04			1280	60	A 207						
57-06-05			2000	50	A 270						
57-06-05	0002		1470	140	A 556						
57-06-06			1980	60	A 321						
57-06-07			1940	10	A 52						
57-06-09			1920	30	A 156						
57-06-10			2060	130	A 723						
57-06-11			1920	30	A 156						
57-06-12			1920	10	A 52						
57-06-13			1800	160	A 778						
57-06-14			1470	120	A 476						
57-06-15			1470	50	A 198						
57-06-16		5.0		120	A 1.6						
57-06-17			1440	70	A 272						
57-06-20			743	150	A 301						
57-06-21			1210	180	A 588						
57-06-24			730	160	A 315						
57-06-26			1520	170	A 698						
57-06-27			1580	170	A 725						
57-06-28			1740	270	A 1270						
57-06-29			1880	140	A 711						
57-07-01			1820	280	A 1380						
57-07-02			1880	200	A 1020						
57-07-03			1940	230	A 1200						
57-07-04			1940	140	A 733						
57-07-05			1940	210	A 1100						
57-07-06			1940	230	A 1200						
57-07-08			1770	210	A 1000						
57-07-09			1860	190	A 954						
57-07-10			1940	190	A 995						
57-07-11			1840	210	A 1040						
57-07-12			1880	200	A 1020						
57-07-13			1880	300	A 1520						
57-07-15			1880	180	A 914						
57-07-18			1820	190	A 934						
57-07-19			1820	180	A 885						
57-07-22			1820	120	A 590						
57-07-23			1820	190	A 934						
57-07-24			1820	200	A 983						
57-07-25			1820	190	A 934						
57-07-26			1820	180	A 885						
57-07-27			1820	120	A 590						
57-07-28			1820	190	A 934						
57-07-29			1820	140	A 688						
57-07-31			1820	180	A 885						
57-08-01			1820	70	A 344						
57-08-03			1820	210	A 1030						
57-08-04			1760	200	A 950						
57-08-05			1910	140	A 722						
57-08-06			2000	290	A 1570						
57-08-07			2000	180	A 972						
57-08-08			1940	210	A 1100						
57-08-09			1940	20	A 105						
57-08-10			1940	180	A 943						
57-08-11			1940	240	A 1260						
57-08-12			1730	170	A 794						
57-08-13			1520	370	A 1520						
57-08-14			1520	280	A 1150						
57-08-15			1250	230	A 776						
57-08-16			1070	100	A 289						
58-06-27			995	10	A 27						
58-06-28			1210	300	A 980						
58-06-30			1110	280	A 839						
58-07-29			1030	220	A 612						
58-08-23			1410	120	A 457						
58-08-24			1410	220	A 838						

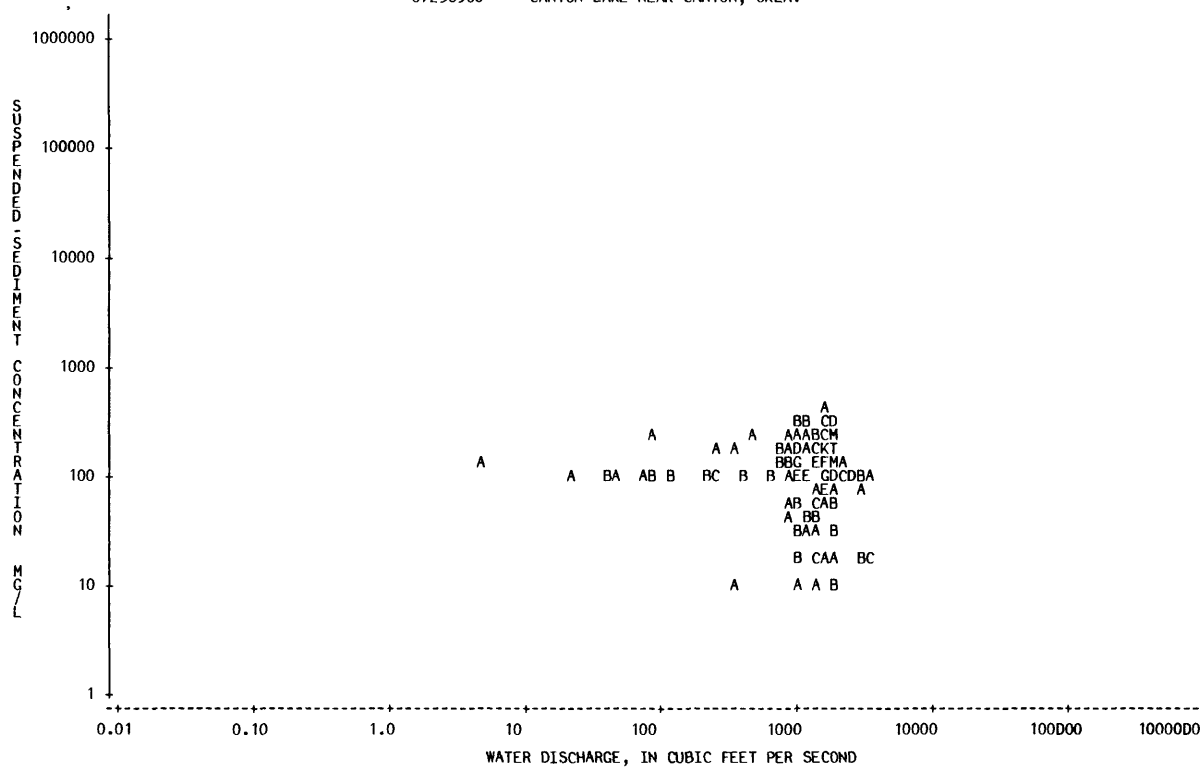
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07238500 CANTON LAKE NEAR CANTON, OKLA.



## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.

LOCATION.--Lat 36°04'45", long 98°35'25", in NE 1/4 SW 1/4 sec.33, T.19 N., R.13 W., Blaine County, Hydrologic Unit 11100301, on right bank 2,700 ft (823.0 m) downstream from Canton Dam, 1.5 mi (2.4 km) northwest of Canton, 4.8 mi (7.7 km) upstream from Minnehaha Creek, and at mile 393.8 (633.6 km).

DRAINAGE AREA.--12,484 mi<sup>2</sup> (32,334 km<sup>2</sup>), of which 4,883 mi<sup>2</sup> (12,647 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-69, 1971-74, 1976.

REMARKS.--Flow partly regulated by Fort Supply Lake for period May 1942 to April 1948 and completely regulated thereafter by Canton Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-07-19			74	1200	A 240	38-10-09		0800	4.0	100	A 1.1
38-07-25			60	600	A 97	38-10-10		0800	4.0	100	A 1.1
38-08-01			144	4600	A 1790	38-10-11		0800	4.0	100	A 1.1
38-08-12	1330		5.0	3100	A 42	38-10-12		0800	3.0	100	A 0.81
38-08-12	1530		5.0	4100	A 55	38-10-15		0800	1.0	100	A 0.27
38-08-13	0800		4.0	1100	A 12	38-11-03		0900	1750	16300	A 77000
38-08-14	0800		2.0	700	A 3.8	38-11-03		1000	1630	17800	A 78300
38-08-15	0800		7.0	700	A 13	38-11-03		1100	1550	17500	A 73200
38-08-16	0800		51	10800	A 1490	38-11-03		1200	1300	16800	A 59000
38-08-17	0800		56	11800	A 1780	38-11-03		1300	1300	5000	A 17600
38-08-18	0800		60	3500	A 567	38-11-04		0800	200	4800	A 2590
38-08-18	1130		64	4100	A 708	38-11-04		1400	112	3700	A 1120
38-08-19	0800		68	21300	A 3910	38-11-05		0800	50	1700	A 229
38-08-20	0800		41	23300	A 2580	38-11-06		0800	50	1700	A 229
38-08-21	0800		19	8000	A 410	38-11-07		0800	16	500	A 22
38-08-22	0800		9.0	1400	A 34	38-11-08		0800	12	100	A 3.2
38-08-23	0800		5.0	600	A 8.1	38-11-09		0800	11	200	A 5.9
38-08-24	0800		2.0	900	A 4.9	38-11-09		1000	7.0	300	A 5.7
38-08-25	0800		1.0	0	A 0.00	38-11-10		0800	5.0	100	A 1.4
38-09-06	1800	1680		29400	A 133000	38-11-11		0800	4.0	500	A 5.4
38-09-06	2100	2980		31800	A 256000	38-11-12		0800	4.0	500	A 5.4
38-09-07	0250	3990		31600	A 340000	38-11-13		0800	4.0	200	A 2.2
38-09-07	0600	4200		28500	A 323000	38-11-14		0800	4.0	200	A 2.2
38-09-07	0700	4200		32400	A 367000	38-11-15		0800	4.0	100	A 1.1
38-09-07	0800	4240		27900	A 319000	38-11-15		1540	3.0	100	A 0.81
38-09-07	1000	4340		25600	A 300000	38-11-16		0800	3.0	100	A 0.81
38-09-07	1100	4350		29700	A 349000	38-11-17		0800	3.0	100	A 0.81
38-09-07	1135	4370		23200	A 274000	38-11-22		0800	1.0	100	A 0.27
38-09-07	1200	4500		25400	A 309000	38-11-24		0800	1.0	100	A 0.27
38-09-07	1300	4560		28900	A 356000	38-11-25		0800	1.0	100	A 0.27
38-09-07	1400	4570		23000	A 284000	38-11-26		0800	1.0	100	A 0.27
38-09-07	1500	4590		24100	A 299000	38-11-28		0800	2.0	200	A 1.1
38-09-07	1900	4860		21700	A 285000	38-11-29		0800	2.0	100	A 0.54
38-09-08	0600	5900		19000	A 303000	38-11-29		1500	2.0	100	A 0.54
38-09-08	0800	5990		19000	A 307000	38-11-30		0800	2.0	100	A 0.54
38-09-08	0900	5990		18100	A 293000	38-12-01		0800	2.0	100	A 0.54
38-09-08	1000	5820		17800	A 280000	38-12-06		0800	2.0	200	A 1.1
38-09-08	1005	5820		20200	A 317000	38-12-07		1400	2.0	100	A 0.54
38-09-08	1100	4720		17600	A 224000	38-12-08		0800	2.0	100	A 0.54
38-09-08	1300	3980		16200	A 174000	38-12-13		0800	2.0	100	A 0.54
38-09-08	1700	3250		16500	A 145000	38-12-14		0800	1.0	100	A 0.27
38-09-16	1145	193		1500	A 782	38-12-15		0800	2.0	100	A 0.54
38-09-22	1200	70		500	A 94	38-12-16		0800	1.0	200	A 0.54
38-09-28	1830	33		400	A 36	38-12-18		0800	1.0	100	A 0.27
38-09-30	0800	27		100	A 7.3	38-12-19		0800	1.0	100	A 0.27
38-10-01	0800	25		200	A 13	38-12-19		1050	1.0	100	A 0.27
38-10-02	0800	23		300	A 19	38-12-20		0800	2.0	100	A 0.54
38-10-03	0800	18		200	A 9.7	38-12-21		0800	2.0	100	A 0.54
38-10-04	0800	12		200	A 6.5	38-12-22		0800	2.0	100	A 0.54
38-10-05	0800	7.0		200	A 3.8	38-12-23		0800	3.0	100	A 0.81
38-10-06	0800	6.0		100	A 1.6	38-12-26		0800	3.0	100	A 0.81
38-10-07	0800	9.0		100	A 2.4	38-12-27		0800	2.0	100	A 0.54
38-10-08	0800	6.0		300	A 4.9	38-12-27		1330	1.0	100	A 0.27

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-12-28	0800		1.0	100	A 0.27	39-07-04	0600		6190	19100	A 319000
38-12-29	0800		1.0	100	A 0.27	39-07-04	0700		6370	19200	A 330000
38-12-31	0800		1.0	100	A 0.27	39-07-04	0800		6420	17200	A 298000
39-01-02	0800		86	400	A 93	39-07-04	0900		6460	20600	A 359000
39-01-03	0800		73	600	A 118	39-07-04	1000		6590	17800	A 317000
39-01-04	0800		2.0	100	A 0.54	39-07-04	1100		6730	19600	A 356000
39-01-05	0800		2.0	100	A 0.54	39-07-04	1150		6380	17000	A 293000
39-01-09	0800		25	100	A 6.7	39-07-04	1200		6780	18800	A 344000
39-01-09	1050		23	200	A 12	39-07-04	1300		6950	18000	A 338000
39-01-10	0800		80	1900	A 410	39-07-04	1400		7180	19400	A 376000
39-01-11	0800		50	900	A 121	39-07-04	1500		7290	17100	A 337000
39-01-12	0800		52	400	A 56	39-07-04	1600		7350	18000	A 357000
39-01-13	0800		61	300	A 49	39-07-04	1615		6600	16400	A 292000
39-01-14	0800		63	400	A 68	39-07-05	0800		3770	16700	A 170000
39-01-15	0800		69	300	A 56	39-07-06	0800		1630	10400	A 45800
39-01-16	0800		69	300	A 56	39-07-07	0800		978	7900	A 20900
39-01-17	0800		50	200	A 27	39-07-08	0800		890	5900	A 14200
39-01-18	0800		49	100	A 13	39-07-09	0800		890	3800	A 9130
39-01-18	1150		48	200	A 26	39-07-10	0800		890	2600	A 6250
39-01-19	0800		48	100	A 13	39-07-10	1730		387	1500	A 1570
39-01-21	0800		46	600	A 75	39-07-11	0800		292	1700	A 1340
39-01-22	0800		46	200	A 25	39-07-12	0800		220	1200	A 713
39-01-23	0800		32	200	A 17	39-07-13	0800		239	900	A 581
39-01-24	0800		45	200	A 24	39-07-16	0800		168	800	A 363
39-01-25	0800		42	200	A 23	39-07-17	0800		124	700	A 234
39-01-26	0800		37	100	A 10	39-07-18	0800		72	500	A 97
39-01-27	0800		36	400	A 39	39-07-19	0800		64	500	A 86
39-01-27	1200		37	600	A 60	39-07-20	0800		50	500	A 67
39-01-28	0800		42	200	A 23	39-07-21	0800		49	400	A 53
39-01-29	0800		80	400	A 86	39-07-22	0800		36	400	A 39
39-01-30	0800		78	200	A 42	39-07-23	0800		28	700	A 53
39-01-31	0800		92	200	A 50	39-07-24	0800		22	200	A 12
39-02-03	0800		42	100	A 11	39-07-25	0800		20	400	A 22
39-02-03	1245		41	400	A 44	39-07-26	0800		23	1000	A 62
39-02-04	0800		64	100	A 17	39-07-27	0800		13	400	A 14
39-02-05	0800		66	100	A 18	39-08-10	0800	1020		11900	A 32800
39-02-06	0800		52	100	A 14	39-08-11	0800		288	18700	A 14500
39-02-08	0800		45	100	A 12	39-08-12	0800		247	9300	A 6200
39-02-09	0800		35	100	A 9.4	39-08-13	0800		132	6900	A 2460
39-02-10	0800		22	200	A 12	39-08-14	0800		79	3900	A 832
39-02-10	1230		22	100	A 5.9	39-08-15	0800		60	2300	A 373
39-02-11	0800		26	100	A 7.0	39-08-16	0800		42	1100	A 125
39-02-12	0800		26	100	A 7.0	39-08-17	0800		37	500	A 50
39-02-13	0800		35	200	A 19	39-08-18	0800		33	200	A 18
39-02-14	0800		34	100	A 9.2	39-08-19	0800		13	300	A 11
39-02-15	0800		38	300	A 31	39-08-20	0800	6.0		300	A 4.9
39-02-16	0800		34	200	A 18	39-08-22	0800	1.0		100	A 0.27
39-02-17	0800		36	200	A 19	40-05-12	0800		20	1300	A 70
39-02-17	1015		20	100	A 5.4	40-05-13	0800		38	1500	A 154
39-02-18	0800		36	100	A 9.7	40-05-15	0800		34	1100	A 101
39-02-19	0800		34	100	A 9.2	40-05-15	1030		25	1000	A 67
39-02-20	0800		32	100	A 8.6	40-05-16	0800		22	300	A 18
39-02-21	0800		19	100	A 5.1	40-05-19	0800	7.0		100	A 1.9
39-02-25	0800		29	200	A 16	40-05-20	0800	3.0		300	A 2.4
39-02-26	0800		32	100	A 8.6	40-05-20	1400	2840		58000	A 445000
39-02-27	0800		20	400	A 22	40-05-20	1500	3520		51200	A 487000
39-02-28	0800		32	100	A 8.6	40-05-20	1530	3550		51200	A 491000
39-03-01	0800		42	200	A 23	40-05-20	1600	3290		50400	A 448000
39-03-04	0800		36	200	A 19	40-05-20	1700	3230		44600	A 389000
39-03-05	0800		36	100	A 9.7	40-05-20	1800	3060		49600	A 410000
39-03-06	0800		65	200	A 35	40-05-20	1830	2990		41000	A 331000
39-03-07	0800		79	400	A 85	40-05-20	1900	2930		45700	A 362000
39-06-16	1110		168	6800	A 3080	40-05-21	0800	1360		29200	A 107000
39-06-25	1500		5000	17800	A 240000	40-05-22	0800	644		24900	A 43300
39-06-29	1200		3290	18000	A 160000	40-05-23	0800	339		19700	A 18000
39-06-29	1300		2990	17400	A 140000	40-05-24	0800	201		17700	A 9610
39-06-29	1400		2840	17500	A 134000	40-05-26	0800	95		11700	A 3000
39-06-29	1500		2620	20800	A 147000	40-05-27	0800	79		8800	A 1880
39-06-29	1600		2270	16000	A 98100	40-05-28	0800	72		4600	A 894
39-06-29	1700		2130	17100	A 98300	40-05-29	0800	6800		2400	A 44100
39-06-29	1800		2000	16800	A 90700	40-05-30	0800	65		1500	A 263
39-06-30	0800		1630	10900	A 48000	40-05-31	0800	1090		32400	A 95400
39-07-01	0800		1630	9000	A 39600	40-06-01	0800	880		24200	A 57500
39-07-01	1100		2410	17300	A 113000	40-06-02	0800	625		18800	A 31700
39-07-01	1200		3610	18400	A 179000	40-06-03	0800	362		15500	A 15100
39-07-01	1210		4010	17900	A 194000	40-06-04	0800	331		12600	A 11300
39-07-01	1300		4430	18200	A 218000	40-06-05	0800	301		11200	A 9100
39-07-01	1400		4600	18400	A 229000	40-06-05	1145	229		18500	A 11400
39-07-01	1500		4770	19800	A 255000	40-06-06	0800	174		7900	A 3710
39-07-01	1600		4790	18900	A 244000	40-06-07	0800	132		5500	A 1960
39-07-01	1630		5040	18700	A 254000	40-06-07	1200	2720		33700	A 247000
39-07-01	1700		4600	18600	A 231000	40-06-08	0600	1410		26600	A 101000
39-07-02	0800		1870	14400	A 72700	40-06-08	0700	1300		25600	A 89900
39-07-02	1100		6730	16200	A 294000	40-06-08	0800	1180		25400	A 80900
39-07-02	1200		6780	17600	A 322000	40-06-08	0900	1060		22400	A 64100
39-07-02	1300		6950	16700	A 313000	40-06-08	1000	986		21800	A 58000
39-07-02	1400		7180	18600	A 361000	40-06-09	0800	339		14400	A 13200
39-07-02	1500		7290	17500	A 344000	40-06-10	0800	313		11700	A 9890
39-07-03	1415		4980	22000	A 296000	40-06-11	0800	317		8800	A 7530

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

433

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-06-11	1900		2550	23500	A 162000	40-08-23		0800	24	900	A 58
40-06-11	2000		3610	27600	A 269000	40-08-24		0800	16	700	A 30
40-06-12	0700		5250	25600	A 363000	40-08-25		0800	7.0	900	A 17
40-06-12	0800		5020	24600	A 333000	40-08-26		0800	9.0	400	A 9.7
40-06-12	0900		4950	26300	A 351000	40-08-27		0800	2.0	300	A 1.6
40-06-12	1000		4700	22400	A 284000	40-08-28		0800	1.0	200	A 0.54
40-06-12	1200		4450	27000	A 324000	40-09-05		0800	16	300	A 13
40-06-12	1300		4050	21400	A 234000	40-09-06		0800	9.0	200	A 4.9
40-06-12	1330		5160	33600	A 468000	40-09-07		0800	47	900	A 114
40-06-13	0800		2500	20300	A 137000	40-09-08		0800	35	5100	A 482
40-06-14	0800		1400	16400	A 62000	40-09-09		0800	25	1100	A 74
40-06-15	0800		994	12500	A 33500	40-09-10		0800	16	600	A 26
40-06-16	0800		601	14400	A 23400	40-09-10		1300	8.0	500	A 11
40-06-16	0900		582	10200	A 16000	40-09-11		0800	5.0	400	A 5.4
40-06-16	1000		570	12900	A 19900	40-09-12		0800	2.0	400	A 2.2
40-06-16	1100		567	10300	A 15800	40-09-13		0800	1.0	700	A 1.9
40-06-16	1200		541	10100	A 14800	40-09-28		1500	69	59400	A 11100
40-06-16	1300		541	10200	A 14900	40-09-29		0800	42	34700	A 3930
40-06-16	1400		510	9600	A 13200	40-09-30		0800	33	23600	A 2100
40-06-16	1500		492	9600	A 12800	40-10-01		0800	20	15100	A 815
40-06-16	1600		494	9700	A 12900	40-10-02		0800	11	5200	A 154
40-06-16	1700		488	9600	A 12600	40-10-02		1010	11	6000	A 178
40-06-16	1800		483	9300	A 12100	40-10-03		0800	6.0	1200	A 19
40-06-17	0800		412	8000	A 8900	40-10-04		0800	4.0	500	A 5.4
40-06-18	0800		287	5000	A 3870	40-10-05		0800	1.0	400	A 1.1
40-06-18	1615		239	5000	A 3230	40-11-27		0700	13	600	A 21
40-06-19	0800		213	3700	A 2130	40-11-27		1445	15	1200	A 49
40-06-20	0800		193	2400	A 1250	40-11-28		0700	25	1000	A 67
40-06-21	0800		157	1400	A 593	41-01-12		0800	2.0	400	A 2.2
40-06-22	0800		126	900	A 306	41-01-13		0800	82	300	A 66
40-06-23	0800		124	800	A 268	41-01-15		0800	12	600	A 19
40-06-24	0800		73	1000	A 197	41-01-16		0800	14	500	A 19
40-06-25	0800		280	5400	A 4080	41-01-17		0800	16	300	A 13
40-06-26	0800		145	6500	A 2540	41-01-18		0800	23	300	A 19
40-06-26	1200		124	6200	A 2080	41-01-19		0800	22	300	A 18
40-06-27	0800		76	4300	A 882	41-01-20		0800	16	500	A 22
40-06-28	0800		53	1800	A 258	41-01-21		0800	20	300	A 16
40-06-29	0800		37	1200	A 120	41-01-22		0800	16	300	A 13
40-06-30	0800		196	600	A 318	41-01-24		0800	20	400	A 22
40-07-01	0800		20	300	A 16	41-01-25		0800	20	300	A 16
40-07-02	0800		37	2200	A 220	41-01-26		0800	15	100	A 4.0
40-07-02	1500		1470	19200	A 76200	41-01-28			14	300	A 11
40-07-02	1545		1300	16400	A 57600	41-01-29		0800	15	400	A 16
40-07-02	1600		1100	14600	A 43400	41-01-30		0800	16	100	A 4.3
40-07-03	0800		494	7800	A 10400	41-01-31		0800	15	200	A 8.1
40-07-04	0800		327	4700	A 4150	41-02-01		0800	30	200	A 16
40-07-05	0800		204	1800	A 991	41-02-02		0800	34	300	A 28
40-07-06	0800		48	600	A 78	41-02-03		0800	48	400	A 52
40-07-07	0800		34	400	A 37	41-02-04		0800	71	600	A 115
40-07-08	0800		11	200	A 5.9	41-02-05		0800	89	900	A 216
40-07-09	0800		11	200	A 5.9	41-02-06		0800	93	1100	A 276
40-07-14	0800		1.0	1200	A 3.2	41-02-07		0800	97	900	A 236
40-07-15	0800		1.0	100	A 0.27	41-02-08		0800	94	900	A 228
40-07-23	0800		9.0	2800	A 68	41-02-09		0800	89	800	A 192
40-07-24	0800		1.0	1300	A 3.5	41-02-10		0800	82	700	A 155
40-08-09	1600		4250	38800	A 445000	41-02-11		0800	78	700	A 147
40-08-09	1700		4550	32400	A 398000	41-02-11		1130	79	700	A 149
40-08-09	1800		4780	28500	A 368000	41-02-12		0800	61	600	A 99
40-08-09	1900		4900	22300	A 295000	41-02-13		0800	62	400	A 67
40-08-09	2000		5000	20900	A 282000	41-02-14		0800	56	600	A 91
40-08-09	2030		4810	20400	A 265000	41-02-15		0800	53	200	A 29
40-08-10	0600		5300	15000	A 215000	41-02-16		0800	51	500	A 69
40-08-10	0700		5300	16200	A 232000	41-02-17		0800	44	400	A 48
40-08-10	0730		5300	15200	A 218000	41-02-18		0800	47	300	A 38
40-08-10	0800		5100	15900	A 219000	41-02-19		0800	47	300	A 38
40-08-10	0900		4950	18000	A 241000	41-02-20		0800	47	300	A 38
40-08-10	1000		4800	18600	A 241000	41-02-21		0800	44	500	A 59
40-08-10	1100		4300	19000	A 221000	41-02-22		0800	51	300	A 41
40-08-10	1200		4000	17500	A 189000	41-02-23		0800	48	300	A 39
40-08-10	1300		3800	19400	A 199000	41-02-24		0800	46	300	A 37
40-08-10	1400		3310	17500	A 156000	41-02-25		0800	48	300	A 39
40-08-10	1500		2850	16900	A 130000	41-02-26		0800	51	300	A 41
40-08-10	1600		2600	15100	A 106000	41-02-27		0800	71	600	A 115
40-08-10	1700		2350	15900	A 101000	41-02-28		0800	73	400	A 79
40-08-10	1800		2300	16600	A 103000	41-02-28		1315	75	400	A 81
40-08-11	0700		1250	11600	A 39200	41-03-01		0800	179	400	A 193
40-08-11	0800		1150	11400	A 35400	41-03-02		0800	81	300	A 66
40-08-11	0900		1100	11100	A 33000	41-03-03		0800	85	500	A 115
40-08-11	1000		1080	10600	A 30900	41-03-04		0800	79	400	A 85
40-08-11	1100		1060	10800	A 30900	41-03-06		0800	93	500	A 126
40-08-11	1200		1020	10300	A 28400	41-03-07		0800	97	500	A 131
40-08-15	0800		184	2700	A 1340	41-03-08		0800	97	300	A 79
40-08-15	1415		172	2400	A 1110	41-03-09		0800	84	500	A 113
40-08-16	0800		137	1400	A 518	41-03-10		0800	98	500	A 132
40-08-18	0800		105	600	A 170	41-03-11		0800	89	500	A 120
40-08-19	0800		87	1200	A 282	41-03-11		1120	97	500	A 131
40-08-20	0800		105	1300	A 369	41-03-12		0800	93	400	A 100
40-08-21	0800		59	600	A 96	41-03-13		0800	89	300	A 72
40-08-22	0800		41	1200	A 133	41-03-14		0800	93	200	A 50

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

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## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-03-15	0800	80	300	A	65	41-05-07	1200	2040	33500	A	185000
41-03-16	0800	81	300	A	66	41-05-07	1800	1780	25100	A	121000
41-03-17	0800	76	200	A	41	41-05-08	0600	1280	24700	A	85400
41-03-18	0800	71	200	A	38	41-05-08	1200	1180	21900	A	69800
41-03-19	0800	68	300	A	55	41-05-08	1800	1080	21100	A	61500
41-03-19	1100	67	300	A	54	41-05-09	0600	1000	20600	A	55600
41-03-20	0800	65	100	A	18	41-05-09	1200	864	20400	A	47600
41-03-21	0800	56	100	A	15	41-05-09	1800	805	18700	A	40600
41-03-23	0800	60	200	A	32	41-05-10	0800	669	13100	A	23700
41-03-24	0800	53	200	A	29	41-05-11	0800	582	10900	A	17100
41-03-25	0800	50	200	A	27	41-05-12	0600	1440	12800	A	49800
41-03-26	0800	65	200	A	35	41-05-13	0600	1890	15800	A	80600
41-03-27	0800	71	200	A	38	41-05-13	0800	1790	17200	A	83100
41-03-28	0800	85	200	A	46	41-05-13	1400	1580	15000	A	64000
41-03-28	1610	95	400	A	103	41-05-13	1600	1450	14200	A	55600
41-03-29	0800	93	300	A	75	41-05-13	1800	1360	14000	A	51400
41-03-30	0800	110	300	A	89	41-05-13	1900	1310	14900	A	52700
41-03-31	0800	104	300	A	84	41-05-14	0600	992	9100	A	24400
41-04-01	0800	112	200	A	60	41-05-14	0800	899	8700	A	21100
41-04-02	0800	124	1000	A	335	41-05-14	1000	885	8600	A	20500
41-04-03	0800	107	400	A	116	41-05-14	1200	864	8100	A	18900
41-04-04	0800	92	400	A	99	41-05-14	1400	829	8000	A	17900
41-04-05	0800	109	500	A	147	41-05-15	0600	731	5500	A	10900
41-04-06	0800	90	300	A	73	41-05-15	1200	690	4700	A	8760
41-04-07	0800	68	200	A	37	41-05-15	1800	657	4600	A	8160
41-04-08	0800	57	200	A	31	41-05-16	0600	564	4400	A	6700
41-04-09	0800	55	300	A	45	41-05-16	1120	506	4400	A	6010
41-04-10	0800	46	300	A	37	41-05-16	1300	459	4500	A	5580
41-04-11	0800	46	300	A	37	41-05-17	0700	372	5500	A	5520
41-04-13	0800	41	200	A	22	41-05-18	0700	265	3200	A	2290
41-04-14	0800	80	800	A	173	41-05-19	0700	229	3200	A	1980
41-04-15	0800	165	1600	A	713	41-05-20	0700	172	2000	A	929
41-04-16	0800	650	13200	A	23200	41-05-20	1410	1560	3600	A	15200
41-04-17	0800	607	6100	A	10000	41-05-21	0600	3050	14900	A	123000
41-04-17	1230	804	7600	A	16500	41-05-21	0800	3650	16700	A	165000
41-04-18	0800	792	10200	A	21800	41-05-21	1000	3050	13200	A	109000
41-04-18	0900	786	9800	A	20800	41-05-21	1200	1940	14400	A	75400
41-04-18	1000	773	9800	A	20500	41-05-21	1400	1330	9400	A	33800
41-04-18	1100	759	10700	A	21900	41-05-22		833	3900	A	8770
41-04-18	1200	738	8900	A	17700	41-05-23		1310	4500	A	15900
41-04-18	1300	703	8400	A	15900	41-05-24		5710	20200	A	311000
41-04-18	1400	684	8500	A	15700	41-06-05		606	5700	A	9330
41-04-18	1500	664	8800	A	15800	41-06-06		606	4800	A	7850
41-04-18	1600	644	8200	A	14300	41-06-07		2760	11400	A	85000
41-04-19	0800	535	6400	A	9240	41-06-08		892	3900	A	9390
41-04-20	0800	382	3100	A	3200	41-06-09		835	2300	A	5190
41-04-21	0800	450	3400	A	4130	41-06-10		8110	7600	A	166000
41-04-22	0800	252	1600	A	1090	41-06-11		7670	10500	A	217000
41-04-23	0800	223	1300	A	783	41-06-12		3140	5200	A	44100
41-04-24	0800	204	1300	A	716	41-06-20		483	1900	A	2480
41-04-25	0800	166	1100	A	493	41-06-24		716	3300	A	6380
41-04-25	1135	162	1000	A	437	41-06-25		638	3200	A	5510
41-04-26	0800	139	900	A	338	41-06-26		517	5800	A	8100
41-04-27	0800	128	700	A	242	41-06-27		412	5000	A	5560
41-04-28	0800	107	600	A	173	41-06-28		339	2700	A	2470
41-04-29	0800	118	600	A	191	41-06-29		239	4100	A	2650
41-04-30	0800	139	800	A	300	41-06-30		780	12500	A	26300
41-05-01	0800	155	900	A	377	41-07-03		403	3800	A	4130
41-05-02	0800	159	900	A	386	41-07-08		4590	15100	A	187000
41-05-03	0700	1020	7400	A	20400	41-07-10		1460	13700	A	54000
41-05-03	0800	978	7400	A	19500	41-07-11		992	13500	A	36200
41-05-03	0900	938	7400	A	18700	41-07-12		664	11300	A	20300
41-05-03	1000	898	6800	A	16500	41-07-13		272	8600	A	6320
41-05-03	1100	850	7100	A	16300	41-07-15		433	4800	A	5610
41-05-04	0800	664	5700	A	10200	41-07-16		357	3200	A	3080
41-05-05	0700	1080	5800	A	16900	41-07-17		280	2000	A	1510
41-05-05	0800	2500	19200	A	130000	41-07-18		630	4400	A	7480
41-05-05	0900	3810	18300	A	188000	41-07-19		377	9900	A	10100
41-05-05	1100	4860	19000	A	249000	41-07-20		317	8400	A	7190
41-05-05	1200	5510	25800	A	384000	41-07-21		254	5500	A	3770
41-05-05	1300	5690	24000	A	369000	41-07-22		200	3800	A	2050
41-05-05	1400	5760	32000	A	498000	41-07-23		169	3000	A	1370
41-05-05	1500	5760	38700	A	602000	41-07-24		126	1500	A	510
41-05-05	1600	5820	41400	A	651000	41-07-25		124	1100	A	368
41-05-05	1700	5580	49200	A	741000	41-07-26		167	1300	A	586
41-05-05	2000	5090	52500	A	722000	41-07-27		280	3100	A	2340
41-05-06	0600	3020	48800	A	398000	41-07-28		220	1200	A	713
41-05-06	0700	2940	49000	A	389000	41-07-29		82	1200	A	266
41-05-06	0745	2950	45300	A	361000	41-07-31		785	6400	A	13600
41-05-06	0800	2850	50600	A	389000	41-08-01		264	11300	A	8050
41-05-06	0900	7610	46000	A	945000	41-08-02		201	10600	A	5750
41-05-06	1000	2520	46900	A	319000	41-08-03		160	8300	A	3590
41-05-06	1100	2420	46200	A	302000	41-08-04		92	5700	A	1420
41-05-06	1200	2290	44500	A	275000	41-08-05		147	4500	A	1790
41-05-06	1300	2150	44000	A	255000	41-08-06		132	3600	A	1280
41-05-06	1400	2060	45000	A	250000	41-08-07		103	3000	A	834
41-05-06	1500	2020	44300	A	242000	41-08-08		100	1500	A	405
41-05-06	1730	2000	42500	A	230000	41-08-09		187	6800	A	3430
41-05-07	0600	1740	36000	A	169000	41-08-10		223	4100	A	2470

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

435

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-08-11			83	1600	A 359	41-12-05			638	1300	A 2240
41-08-12			82	1200	A 266	41-12-06			377	900	A 916
41-08-13			66	700	A 125	41-12-07			288	800	A 622
41-08-14			61	500	A 82	41-12-08			257	700	A 486
41-08-15			50	100	A 13	41-12-09			233	500	A 315
41-08-16			92	800	A 199	41-12-10			213	400	A 230
41-08-17			65	900	A 158	41-12-11			223	400	A 241
41-08-18			50	800	A 108	41-12-12			246	400	A 266
41-08-19			44	500	A 59	41-12-13			261	500	A 352
41-08-20			72	400	A 78	41-12-14			292	500	A 394
41-08-21			36	400	A 39	41-12-15			280	600	A 454
41-08-22			69	800	A 149	41-12-16			445	1500	A 1800
41-08-23			269	5200	A 3780	41-12-17			638	1600	A 2760
41-08-24			1330	17800	A 63900	41-12-18			829	2400	A 5370
41-08-25			1030	10500	A 29200	41-12-19			651	1200	A 2110
41-08-26			644	7200	A 12500	41-12-20			343	700	A 648
41-09-02			166	3000	A 1340	41-12-21			276	400	A 298
41-09-14			185	600	A 300	41-12-22			239	500	A 323
41-09-15			24	400	A 26	41-12-23			220	700	A 416
41-09-16			21	300	A 17	41-12-24			226	400	A 244
41-09-17			223	4200	A 2530	41-12-25			220	700	A 416
41-09-18			195	3300	A 1740	41-12-26			204	500	A 275
41-09-19			76	1100	A 226	41-12-27			193	300	A 156
41-09-20			40	200	A 22	41-12-28			177	200	A 96
41-09-21			276	19900	A 14800	41-12-29			177	300	A 143
41-09-22			207	15800	A 8830	41-12-30			167	400	A 180
41-09-23			148	12100	A 4840	41-12-31			936	1800	A 4550
41-09-24			106	7600	A 2180	42-01-03			160	1200	A 518
41-09-25			2560	75500	A 522000	42-01-12			160	100	A 43
41-09-26			4020	65600	A 712000	42-01-13			200	200	A 108
41-09-27			1380	40800	A 152000	42-01-14			220	200	A 119
41-09-28			843	37300	A 84900	42-01-15			234	200	A 126
41-09-29			619	33200	A 55500	42-01-16			235	400	A 254
41-09-30			1402	24600	A 93100	42-01-17			198	500	A 267
41-10-01			1020	21600	A 59500	42-01-18			194	600	A 314
41-10-11			372	3400	A 3410	42-01-19			247	700	A 467
41-10-12			305	2700	A 2220	42-01-20			540	600	A 875
41-10-13			241	1900	A 1240	42-01-21			376	700	A 711
41-10-14			229	1500	A 927	42-01-22			484	500	A 653
41-10-15			2270	19700	A 121000	42-01-23			231	500	A 312
41-10-16			724	3600	A 7040	42-01-24			198	500	A 267
41-10-17			471	3100	A 3940	42-01-25			181	400	A 195
41-10-18			644	3500	A 6090	42-01-26			165	400	A 178
41-10-19			582	3400	A 5340	42-01-27			791	2900	A 6190
41-10-20			392	2300	A 2430	42-01-28			764	1300	A 2680
41-10-21			321	1700	A 1470	42-01-29			302	800	A 652
41-10-22			625	3600	A 6070	42-01-30			302	600	A 489
41-10-23			6840	18000	A 332000	42-01-31			656	1000	A 1770
41-10-24			10600	7900	A 226000	42-02-01			516	800	A 1110
41-10-25			21300	5300	A 305000	42-02-02			383	800	A 827
41-10-26			12100	7000	A 229000	42-02-03			260	400	A 281
41-10-27			6660	13100	A 236000	42-02-04			243	100	A 66
41-10-28			4360	12600	A 148000	42-02-05			243	400	A 262
41-10-29			2900	7000	A 54800	42-02-06			208	400	A 225
41-10-30			1980	5700	A 30500	42-02-07			201	300	A 163
41-10-31			1830	9600	A 47400	42-02-08			194	300	A 157
41-11-01			1980	7900	A 42200	42-02-09			194	300	A 157
41-11-02			1510	4600	A 18800	42-02-10			194	300	A 157
41-11-03			1260	4300	A 14600	42-02-11			187	300	A 151
41-11-04			1060	3600	A 10300	42-02-12			184	400	A 199
41-11-05			899	3000	A 7280	42-02-14			201	500	A 271
41-11-06			850	3200	A 7340	42-02-15			226	400	A 244
41-11-07			787	2800	A 5950	42-02-16			296	600	A 480
41-11-08			1540	2200	A 9150	42-02-17			190	400	A 205
41-11-10			713	1900	A 3660	42-02-18			180	400	A 194
41-11-11			670	2000	A 3620	42-02-19			180	400	A 194
41-11-12			703	1900	A 3610	42-02-20			190	500	A 256
41-11-13			759	1500	A 3070	42-02-21			208	500	A 281
41-11-14			664	1300	A 2330	42-02-22			211	400	A 228
41-11-15			500	1000	A 1350	42-02-23			226	1000	A 610
41-11-16			434	1000	A 1170	42-02-24			252	600	A 408
41-11-17			377	800	A 814	42-02-25			235	400	A 254
41-11-18			331	1000	A 894	42-02-26			208	600	A 337
41-11-19			331	800	A 715	42-02-27			198	400	A 214
41-11-20			292	700	A 552	42-02-28			226	400	A 244
41-11-21			397	2400	A 2570	42-03-01			218	300	A 177
41-11-22			1770	900	A 4300	42-03-02			239	300	A 194
41-11-23			322	600	A 522	42-03-04			272	600	A 441
41-11-24			697	3800	A 7150	42-03-05			302	400	A 326
41-11-25			434	1200	A 1410	42-03-06			290	400	A 313
41-11-26			322	900	A 782	42-03-07			284	600	A 460
41-11-27			305	800	A 659	42-03-08			348	500	A 470
41-11-28			284	1100	A 843	42-03-09			314	400	A 339
41-11-29			259	500	A 350	42-03-10			272	400	A 294
41-11-30			276	800	A 596	42-03-11			239	300	A 194
41-12-01			576	1600	A 2490	42-03-12			243	300	A 197
41-12-02			594	1300	A 2080	42-03-14			208	200	A 112
41-12-03			570	1200	A 1850	42-03-15			191	300	A 155
41-12-04			968	3300	A 8620	42-03-16			201	300	A 163

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-03-17			239	300	A 194	42-06-27			276	1700	A 1270
42-03-18			218	400	A 235	42-06-28			296	3500	A 2800
42-03-19			222	500	A 300	42-06-29			296	1400	A 1120
42-03-20			198	400	A 214	42-06-30			500	2100	A 2830
42-03-21			226	400	A 244	42-07-01			724	5200	A 10200
42-03-22			184	400	A 199	42-07-02			717	4000	A 7740
42-03-23			165	300	A 134	42-07-03			552	2600	A 3880
42-03-24			156	200	A 84	42-07-04			280	900	A 680
42-03-25			168	300	A 136	42-07-05			172	4800	A 2230
42-03-26			181	300	A 147	42-07-06			155	400	A 167
42-03-27			208	400	A 225	42-07-07			220	700	A 416
42-03-28			235	500	A 317	42-07-08			213	700	A 403
42-03-29			211	400	A 228	42-07-09			167	500	A 225
42-03-30			231	500	A 312	42-07-10			105	400	A 113
42-03-31			198	400	A 214	42-07-11			71	200	A 38
42-04-01			172	300	A 139	42-07-12			45	100	A 12
42-04-02			150	300	A 121	42-07-13			76	200	A 41
42-04-03			142	400	A 153	42-07-14			35	200	A 19
42-04-04			145	300	A 117	42-07-15			30	100	A 8.1
42-04-05			131	300	A 106	42-07-16			16	100	A 4.3
42-04-06			131	300	A 106	42-07-18			12	300	A 9.7
42-04-07			113	300	A 92	42-07-19			11	200	A 5.9
42-04-08			142	300	A 115	42-07-20			12	100	A 3.2
42-04-09			201	600	A 326	42-07-21			10.0	100	A 2.7
42-04-10			194	400	A 210	42-07-22			11	100	A 3.0
42-04-11			187	300	A 151	42-07-23			9.0	200	A 4.9
42-04-12			252	200	A 136	42-07-24			14	100	A 3.8
42-04-13			355	600	A 575	42-07-25			8.0	100	A 2.2
42-04-14			446	800	A 963	42-07-26			9.0	200	A 4.9
42-04-15			334	900	A 812	42-07-27			3.0	200	A 1.6
42-04-16			302	800	A 652	42-07-28			7.0	200	A 3.8
42-04-17			226	900	A 549	42-07-29			5.0	200	A 2.7
42-04-18			187	500	A 252	42-07-30			1.0	100	A 0.27
42-04-19			588	2100	A 3330	42-07-31			1.0	200	A 0.54
42-04-20			500	4200	A 5670	42-08-08			4.0	400	A 4.3
42-04-21			433	1500	A 1750	42-08-09			6.0	400	A 6.5
42-04-22			4220	25400	A 289000	42-08-10			140	400	A 151
42-04-23			5020	43900	A 595000	42-08-11			134	1500	A 543
42-04-24			3680	31300	A 311000	42-08-12			59	1400	A 223
42-04-25			5420	20900	A 306000	42-08-13			51	1000	A 138
42-04-26			2470	12100	A 80700	42-08-14			32	1000	A 86
42-04-27			1330	9600	A 34500	42-08-15			162	2300	A 1010
42-04-28			1550	8100	A 33900	42-08-16			155	8300	A 3470
42-04-29			1010	6200	A 16900	42-08-17			204	7500	A 4130
42-04-30			900	5100	A 12400	42-08-18			112	2300	A 696
42-05-01			794	4500	A 9650	42-08-19			66	1400	A 249
42-05-02			710	3800	A 7280	42-08-21			29	600	A 47
42-05-03			601	2700	A 4380	42-09-06			6.0	600	A 9.7
42-05-05			423	2700	A 3080	42-09-08			2.0	200	A 1.1
42-05-06			372	2600	A 2610	42-09-09			1.0	500	A 1.4
42-05-07			290	1900	A 1490	42-09-10			1.0	300	A 0.81
42-05-08			236	1200	A 765	42-09-19			81	3300	A 722
42-05-09			217	1200	A 703	42-09-20			235	5000	A 3170
42-05-10			207	1200	A 671	42-09-21			276	3400	A 2530
42-05-11			362	2600	A 2540	42-09-22			250	2800	A 1890
42-05-12			1220	3600	A 11900	42-09-23			261	2500	A 1760
42-05-13			313	1500	A 1270	42-09-24			540	2400	A 3500
42-05-14			226	800	A 488	42-09-25			500	2700	A 3640
42-05-15			182	800	A 393	42-09-26			3170	13600	A 116000
42-05-16			162	800	A 350	42-09-27			472	5300	A 6750
42-05-17			144	800	A 311	42-09-28			331	4300	A 3840
42-05-18			134	400	A 145	42-09-29			265	1000	A 715
42-05-19			126	600	A 204	42-09-30			292	1000	A 788
42-05-21			114	300	A 92	42-10-01			246	900	A 598
42-05-22			130	500	A 175	42-10-02			219	700	A 414
42-05-23			105	300	A 85	42-10-03			222	900	A 539
42-05-24			339	1800	A 1650	42-10-04			805	3700	A 8040
42-05-25			255	3300	A 2270	42-10-05			750	4400	A 8910
42-05-26			331	4000	A 3570	42-10-06			437	3000	A 3540
42-05-27			184	2400	A 1190	42-10-07			300	2300	A 1860
42-05-28			147	1500	A 595	42-10-08			248	1100	A 737
42-05-29			124	1100	A 368	42-10-09			234	700	A 442
42-06-10			489	6500	A 8580	42-10-10			185	700	A 350
42-06-11			6240	29000	A 489000	42-10-11			179	600	A 290
42-06-12			3340	21300	A 192000	42-10-12			90	600	A 146
42-06-13			1870	16100	A 81300	42-10-13			64	400	A 69
42-06-14			1110	12500	A 37500	42-10-14			35	100	A 9.4
42-06-15			892	9300	A 22400	42-10-15			41	100	A 11
42-06-16			766	7200	A 14900	42-10-16			210	3400	A 1930
42-06-17			588	5300	A 8410	42-10-17			264	1000	A 713
42-06-18			483	3800	A 4960	42-10-18			560	2500	A 3780
42-06-19			377	2600	A 2650	42-10-19			523	2300	A 3250
42-06-20			280	2000	A 1510	42-10-20			452	1800	A 2200
42-06-21			246	1500	A 996	42-10-21			1700	7800	A 35800
42-06-22			280	2100	A 1590	42-10-22			1670	12800	A 57700
42-06-23			417	6500	A 7320	42-10-23			976	9300	A 24500
42-06-24			239	1600	A 1030	42-10-24			676	6800	A 12400
42-06-25			204	1200	A 661	42-10-25			593	5600	A 8970
42-06-26			217	1100	A 644	42-10-26			567	4100	A 6280

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

437

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
+++++						+++++						
42-10-27			506	3700	A	5050	43-02-02		182	200	A	98
42-10-28			401	3100	A	3360	43-02-03		212	500	A	286
42-10-29			390	2300	A	2420	43-02-04		185	600	A	300
42-10-30			419	2200	A	2490	43-02-05		219	800	A	473
42-10-31			437	1900	A	2240	43-02-06		198	400	A	214
42-11-01			403	1600	A	1740	43-02-07		189	400	A	204
42-11-02			452	1500	A	1830	43-02-08		153	400	A	165
42-11-03			384	1300	A	1350	43-02-09		124	300	A	100
42-11-04			317	900	A	770	43-02-10		98	400	A	106
42-11-05			272	700	A	514	43-02-11		80	300	A	65
42-11-06			245	700	A	463	43-02-12		81	300	A	66
42-11-07			219	600	A	355	43-02-13		83	200	A	45
42-11-08			189	500	A	255	43-02-14		68	200	A	37
42-11-09			182	500	A	246	43-02-16		65	100	A	18
42-11-10			170	600	A	275	43-02-17		60	300	A	49
42-11-11			170	400	A	184	43-02-18		68	100	A	18
42-11-12			192	500	A	259	43-02-19		71	300	A	58
42-11-13			264	800	A	570	43-02-20		65	100	A	18
42-11-14			168	700	A	318	43-02-21		59	400	A	64
42-11-15			96	300	A	78	43-02-22		58	400	A	63
42-11-16			96	600	A	156	43-02-23		58	300	A	47
42-11-17			159	600	A	258	43-02-24		55	300	A	45
42-11-18			122	600	A	198	43-02-25		31	300	A	25
42-11-19			133	400	A	144	43-02-26		55	300	A	45
42-11-20			133	400	A	144	43-02-27		55	100	A	15
42-11-21			111	300	A	90	43-02-28		56	100	A	15
42-11-22			109	600	A	177	43-03-10		66	200	A	36
42-11-23			111	400	A	120	43-03-13		78	100	A	21
42-11-24			101	400	A	109	43-03-14		78	200	A	42
42-11-25			101	400	A	109	43-03-15		80	200	A	43
42-11-26			101	400	A	109	43-03-16		65	200	A	35
42-11-27			96	400	A	104	43-03-23		55	100	A	15
42-11-28			96	400	A	104	43-03-26		78	100	A	21
42-11-29			98	500	A	132	43-03-27		71	100	A	19
42-11-30			94	500	A	127	43-04-01		35	200	A	19
42-12-01			136	300	A	110	43-04-02		30	100	A	8.1
42-12-02			85	200	A	46	43-04-03		30	100	A	8.1
42-12-03			71	200	A	38	43-04-04		30	600	A	49
42-12-04			103	300	A	83	43-04-05		23	200	A	12
42-12-05			126	400	A	136	43-04-06		25	700	A	47
42-12-06			105	200	A	57	43-04-07		26	600	A	42
42-12-07			107	300	A	87	43-04-08		33	200	A	18
42-12-08			120	300	A	97	43-04-09		39	100	A	11
42-12-09			103	200	A	56	43-04-10		37	100	A	10
42-12-10			148	400	A	160	43-04-12		241	2200	A	1430
42-12-11			162	400	A	175	43-04-13		156	800	A	337
42-12-12			185	500	A	250	43-04-14		222	500	A	300
42-12-13			208	800	A	449	43-04-15		185	800	A	400
42-12-14			241	1100	A	716	43-04-16		156	1100	A	463
42-12-15			268	1100	A	796	43-04-17		138	1000	A	373
42-12-16			256	800	A	553	43-04-19		88	500	A	119
42-12-17			260	900	A	632	43-04-20		84	200	A	45
42-12-18			234	600	A	379	43-04-21		76	500	A	103
42-12-19			284	600	A	460	43-04-22		71	300	A	58
42-12-20			198	500	A	267	43-04-23		59	300	A	48
42-12-21			205	500	A	277	43-04-24		140	600	A	227
42-12-22			248	400	A	268	43-04-25		59	200	A	32
42-12-23			222	400	A	240	43-04-26		47	300	A	38
42-12-24			234	400	A	253	43-04-27		47	800	A	102
42-12-25			241	600	A	390	43-04-28		33	400	A	36
42-12-26			241	400	A	260	43-04-29		25	400	A	27
42-12-28			313	500	A	423	43-04-30		26	200	A	14
42-12-29			313	800	A	676	43-05-01		14	100	A	3.8
42-12-30			252	700	A	476	43-05-03		15	200	A	8.1
43-01-01			276	700	A	522	43-05-04		12	200	A	6.5
43-01-02			352	900	A	855	43-05-06		9.0	100	A	2.4
43-01-03			432	400	A	467	43-05-10		50	300	A	40
43-01-04			256	500	A	346	43-05-11		165	800	A	356
43-01-05			237	600	A	384	43-05-12		120	600	A	194
43-01-06			230	600	A	373	43-05-13		94	200	A	51
43-01-07			226	500	A	305	43-05-14		85	300	A	69
43-01-08			212	400	A	229	43-05-16		52	200	A	28
43-01-09			202	800	A	436	43-05-17		53	300	A	43
43-01-12			182	500	A	246	43-05-18		133	600	A	215
43-01-13			173	400	A	187	43-05-19		2350	17300	A	110000
43-01-14			157	600	A	254	43-05-20		843	6000	A	13700
43-01-15			162	200	A	87	43-05-21		523	2600	A	3670
43-01-16			150	200	A	81	43-05-22		908	1200	A	2940
43-01-22			160	400	A	173	43-05-23		226	1000	A	610
43-01-23			180	400	A	194	43-05-24		189	800	A	408
43-01-24			215	600	A	348	43-05-25		162	300	A	131
43-01-25			90	100	A	24	43-05-26		168	1000	A	454
43-01-26			77	200	A	42	43-05-27		126	800	A	272
43-01-27			77	200	A	42	43-05-28		107	500	A	144
43-01-28			90	300	A	73	43-05-30		74	600	A	120
43-01-29			100	400	A	108	43-05-31		61	800	A	132
43-01-30			110	400	A	119	43-06-01		53	400	A	57
43-01-31			120	400	A	130	43-06-02		37	400	A	40
43-02-01			179	400	A	193	43-06-03		68	300	A	55

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-04			86	600	A	44-11-10			75	300	A
43-06-05			36	600	A	44-11-13			38	100	A
43-06-06			18	500	A	44-11-18			20	100	A
43-06-07			208	2100	A	44-11-20			129	300	A
43-06-08			2920	14600	A	44-11-22			62	100	A
43-06-10			540	3200	A	44-11-28			31	200	A
43-06-11			143	1300	A	44-12-07			112	600	A
43-06-12			143	900	A	44-12-08			167	300	A
43-06-13			120	700	A	44-12-12			165	700	A
43-06-14			67	400	A	44-12-16			119	300	A
43-06-15			122	700	A	44-12-18			57	200	A
43-06-16			148	1700	A	44-12-22			82	100	A
43-06-18			292	3000	A	44-12-26			19	200	A
43-06-21			32	100	A	44-12-29			198	300	A
43-06-22			27	200	A	45-02-06			140	200	A
43-07-06			1.0	300	A	45-02-12			118	300	A
43-07-15			119	1900	A	45-02-20			95	300	A
43-07-19			18	100	A	45-02-28			123	300	A
43-08-24			2.0	300	A	45-03-05			171	300	A
43-08-25			9.0	200	A	45-03-12			129	300	A
43-08-26			12	200	A	45-03-19			194	200	A
43-11-01			41	2000	A	45-03-26			143	100	A
43-11-02			99	1100	A	45-04-02			104	100	A
43-11-05			62	300	A	45-04-09			103	300	A
43-11-06			45	400	A	45-04-16			292	1100	A
43-11-07			32	200	A	45-04-23			177	300	A
43-11-08			18	200	A	45-04-27			1040	10000	A
43-11-09			12	300	A	45-04-30			297	600	A
43-11-10			8.0	300	A	45-05-07			135	200	A
43-11-11			6.0	200	A	45-05-14			202	400	A
43-11-12			4.0	300	A	45-05-21			83	300	A
43-11-13			3.0	200	A	45-05-22			73	100	A
43-11-14			1.0	200	A	45-06-06			1030	6900	A
44-01-05			9.0	100	A	45-06-07			313	5800	A
44-01-17			4.0	100	A	45-06-13			68	600	A
44-01-24			24	100	A	45-06-19			109	1000	A
44-02-03			104	1000	A	45-06-25			37	200	A
44-02-07			58	300	A	45-06-28			1930	11700	A
44-02-14			86	400	A	45-06-29			594	6600	A
44-02-15			155	600	A	45-07-02			278	2300	A
44-02-16			175	600	A	45-07-09			1170	8900	A
44-02-17			163	500	A	45-07-16			147	900	A
44-02-18			127	300	A	45-07-24			31	400	A
44-02-19			114	200	A	45-07-30			4.0	200	A
44-02-20			119	300	A	45-08-20			4.0	100	A
44-02-21			116	400	A	45-09-24			1100	14500	A
44-02-22			118	200	A	45-09-27			6.0	600	A
44-02-24			113	300	A	45-09-29			1200	7700	A
44-02-28			136	400	A	45-09-30			619	4400	A
44-03-01			175	500	A	45-10-03			156	1400	A
44-03-03			176	500	A	45-10-08			633	3500	A
44-03-05			159	500	A	46-02-06			48	300	A
44-03-07			112	400	A	46-04-15			147	500	A
44-03-08			84	300	A	46-06-06			44	24100	A
44-03-09			72	200	A	46-06-28			23	700	A
44-03-10			66	200	A	46-07-01			48	1300	A
44-03-18			171	800	A	46-08-26			91	29200	A
44-03-20			88	500	A	46-08-29			22	17800	A
44-04-11			79	600	A	46-08-31			266	27300	A
44-04-12			2710	14600	A	46-09-16			11	900	A
44-04-14			644	5600	A	46-10-08			2900	13800	A
44-04-18			161	1300	A	46-10-09			3960	9800	A
44-04-22			5380	8700	A	46-10-10			4700	9800	A
44-04-25			560	2100	A	46-10-11			6840	9600	A
44-05-01			2960	10700	A	46-10-12			25000	5700	A
44-05-04			494	2500	A	46-10-13			4480	5600	A
44-05-09			128	900	A	46-10-14			1880	4300	A
44-05-15			477	3300	A	46-10-16			1140	2500	A
44-05-22			132	300	A	46-10-21			734	3700	A
44-05-30			190	800	A	46-10-29			330	1100	A
44-06-05			183	1300	A	46-11-06			1430	4400	A
44-06-14			187	900	A	46-11-14			1220	2400	A
44-06-19			104	200	A	46-11-20			348	600	A
44-07-11			75	2500	A	46-12-04			282	500	A
44-07-17			2.0	100	A	46-12-19			219	300	A
44-07-26			106	4800	A	47-01-14			271	400	A
44-07-27			1520	9800	A	47-01-30			223	400	A
44-07-31			810	2100	A	47-02-06			170	300	A
44-08-03			280	1300	A	47-02-27			140	300	A
44-08-06			118	1300	A	47-03-18			848	1400	A
44-08-18			3.0	300	A	47-04-03			193	500	A
44-10-05			1240	2700	A	47-04-07			177	500	A
44-10-06			2290	6900	A	47-04-15			2020	3000	A
44-10-09			265	500	A	47-04-22			431	900	A
44-10-18			22	200	A	47-04-30			438	900	A
44-10-20			94	300	A	47-05-06			979	1400	A
44-10-23			102	400	A	47-05-15			1060	3200	A
44-10-30			16	200	A	47-05-16			4520	6900	A
44-11-06			23	200	A	47-05-18			2360	5400	A

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

439

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-05-21			4530	7600	A 93000	50-09-14			1990	100	A 537
47-05-27			2950	5000	A 39800	50-09-20			2960	1300	A 10400
47-06-04			782	700	A 1480	50-11-20			51	100	A 14
47-06-17			214	300	A 173	50-12-12			112	300	A 91
47-06-28			4190	11500	A 130000	51-01-02			104	100	A 28
47-07-01			776	4300	A 9010	51-01-15			216	100	A 58
47-07-08			231	700	A 437	51-02-05			67	100	A 18
47-07-22			94	100	A 25	51-02-19			110	100	A 30
48-03-16			264	100	A 71	51-02-27			62	100	A 17
48-03-17			463	500	A 625	51-04-16			496	100	A 134
48-03-30			184	100	A 50	51-04-23			150	100	A 40
48-04-13			105	100	A 28	51-05-02			66	100	A 18
48-04-16			110	200	A 59	51-05-08			64	100	A 17
48-04-28			5.0	100	A 1.4	51-05-14			69	100	A 19
48-05-05			6.0	100	A 1.6	51-05-24			2160	500	A 2920
48-05-18			2.0	200	A 1.1	51-05-26			2900	700	A 5480
48-06-03			1.0	200	A 0.54	51-05-29			2790	200	A 1510
48-06-08			32	300	A 26	51-06-02			3340	900	A 8120
48-06-08	0001		53	200	A 29	51-06-13			3320	300	A 2690
48-06-17			23	200	A 12	51-06-21			3300	100	A 891
48-06-23			1.0	400	A 1.1	51-06-27			3380	200	A 1830
48-07-06			29	100	A 7.8	51-07-02			3350	2400	A 21700
48-07-13			92	100	A 25	51-07-11			3030	100	A 818
48-08-10			107	400	A 116	51-07-20			3120	100	A 842
48-08-12			1950	2100	A 11100	51-07-24			1870	200	A 1010
48-08-13			1860	1800	A 9040	51-08-09			48	300	A 39
48-08-17			1940	1100	A 5760	51-08-20			26	400	A 28
48-08-18			1640	400	A 1770	51-08-29			16	100	A 4.3
48-08-19			1040	200	A 562	51-09-05			36	700	A 68
48-08-31			111	200	A 60	51-09-15			25	100	A 6.7
48-09-07			65	400	A 70	51-09-18			26	100	A 7.0
48-11-12			123	300	A 100	51-09-24			25	100	A 6.7
48-11-24			26	400	A 28	51-10-15			26	100	A 7.0
48-12-03			75	200	A 40	51-10-30			14	100	A 3.8
48-12-10			68	300	A 55	51-11-19			14	100	A 3.8
49-01-03			3.0	100	A 0.81	51-12-10			14	100	A 3.8
49-01-13			2.0	100	A 0.54	52-01-08			13	100	A 3.5
49-01-21			4.0	100	A 1.1	52-01-22			163	100	A 44
49-02-01			4.0	100	A 1.1	52-02-04			149	100	A 40
49-02-10			3.0	200	A 1.6	52-03-03			975	200	A 526
49-03-03			423	200	A 228	52-03-17			392	100	A 106
49-03-08			499	100	A 135	52-03-31			147	100	A 40
49-03-18			106	500	A 143	52-04-14			77	100	A 21
49-03-22			152	100	A 41	52-04-24			824	200	A 445
49-03-29			410	200	A 221	52-04-29			799	100	A 216
49-04-05			411	1100	A 1220	52-05-09			165	200	A 89
49-04-08			2070	1100	A 6150	52-06-04			155	200	A 84
49-04-26			86	200	A 46	52-06-24			20	100	A 5.4
49-05-04			411	100	A 111	52-07-07			36	100	A 9.7
49-05-10			2240	700	A 4230	52-07-18			35	200	A 19
49-05-12			1820	500	A 2460	52-07-30			38	300	A 31
49-05-21			12	200	A 6.5	52-08-04			78	300	A 63
49-05-26			2030	300	A 1640	52-08-20			37	100	A 10
49-06-02			3240	1000	A 8750	52-09-02			37	200	A 20
49-06-03			3400	700	A 6430	52-09-15			33	100	A 8.9
49-06-06			3720	600	A 6030	52-10-01			32	300	A 26
49-06-13			3960	1000	A 10700	52-10-15			30	100	A 8.1
49-06-20			3730	600	A 6040	52-11-17			19	200	A 10
49-06-27			1920	400	A 2070	52-12-01			19	200	A 10
49-06-30			507	1200	A 1640	52-12-16			18	300	A 15
49-07-06			35	100	A 9.4	53-01-02			16	200	A 8.6
49-07-13			1180	300	A 956	53-02-02			16	200	A 8.6
49-07-21			1230	200	A 664	53-02-16			14	100	A 3.8
49-07-25			1210	200	A 653	53-03-02			14	100	A 3.8
49-08-01			42	100	A 11	53-03-16			16	200	A 8.6
49-08-23			89	100	A 24	53-04-01			14	100	A 3.8
49-08-30			40	100	A 11	53-04-07			424	300	A 343
49-09-14			84	100	A 23	53-04-09			41	100	A 11
49-09-27			22	200	A 12	53-04-10			20	500	A 27
49-10-20			155	100	A 42	53-04-11			20	200	A 11
49-11-08			38	100	A 10	53-04-20			14	200	A 7.6
49-11-14			172	100	A 46	53-05-15			15	200	A 8.1
49-12-07			650	100	A 175	53-06-01			12	200	A 6.5
50-01-10			74	200	A 40	53-06-15			11	200	A 5.9
50-01-24			254	100	A 69	53-06-30			6.0	200	A 3.2
50-01-31			44	200	A 24	53-07-07			1.0	30	A 0.08
50-02-07			56	100	A 15	53-07-17			845	620	A 1410
50-03-03			85	200	A 46	53-07-18			927	350	A 876
50-03-15			74	200	A 40	53-07-21			7.0	50	A 0.95
50-03-31			74	100	A 20	53-08-03			1.0	150	A 0.41
50-04-13			5.0	100	A 1.4	53-08-17			2.0	170	A 0.92
50-05-11			194	100	A 52	53-08-30			1.0	60	A 0.16
50-05-24			420	200	A 227	53-09-08			1500	340	A 1380
50-07-05			58	900	A 141	53-09-14			632	220	A 375
50-07-11			542	300	A 439	53-09-22			2.0	120	A 0.65
50-07-14			2700	600	A 4370	53-10-01			1.0	90	A 0.24
50-07-25			2200	600	A 3560	53-10-14			1.0	100	A 0.27
50-08-23			3230	400	A 3490	53-10-29			1.0	100	A 0.27
50-09-06			1190	100	A 321	53-11-17			1.0	110	A 0.30

\*\*\*\*\*  
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SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
53-12-02			2.0	140	A	0.76	57-09-24		248	80	A	54
54-01-04			2.0	60	A	0.32	57-10-07		29	60	A	4.7
54-01-18			1.0	150	A	0.41	57-10-29		9.0	30	A	0.73
54-02-01			2.0	80	A	0.43	57-11-13		6.0	10	A	0.16
54-02-16			2.0	60	A	0.32	57-12-03		40	40	A	4.3
54-03-02			1.0	110	A	0.30	57-12-20		92	30	A	7.5
54-03-10			2.0	90	A	0.49	58-01-08		43	10	A	1.2
54-03-21			1130	170	A	519	58-02-05		40	130	A	14
54-03-23			15	130	A	5.3	58-04-28		220	50	A	30
54-03-29			24	150	A	9.7	58-05-19		48	380	A	49
54-04-12			33	150	A	13	58-08-05		1170	110	A	347
54-04-19			30	150	A	12	58-10-22		6.0	50	A	0.8
54-04-26			20	230	A	12	58-12-02		6.0	30	A	0.49
54-05-05			1270	100	A	343	58-12-16		6.0	60	A	0.97
54-05-06			554	140	A	209	59-01-07		5.0	60	A	0.81
54-05-07			262	200	A	141	59-02-05		189	70	A	36
54-05-10			48	150	A	19	59-03-04		157	40	A	17
54-05-17			86	120	A	28	59-04-14		344	90	A	84
54-06-01			869	300	A	704	59-05-05		20	100	A	5.4
54-06-11			90	200	A	49	59-05-21		109	60	A	18
54-06-15			47	180	A	23	59-07-28		43	400	A	46
54-06-22			86	310	A	72	59-08-20		5.0	60	A	0.81
54-06-29			42	170	A	19	59-10-07		523	110	A	155
54-07-02			8.0	130	A	2.8	59-11-02		16	50	A	2.2
54-07-07			5.0	160	A	2.2	60-02-02		167	10	A	4.5
54-07-12			1.0	300	A	0.81	60-02-18		348	30	A	28
54-07-30			1.0	100	A	0.27	60-03-09		274	30	A	22
54-08-24			0.30	90	A	0.07	60-03-23		424	30	A	34
54-09-01			0.60	120	A	0.19	60-04-07		138	30	A	11
54-09-13			0.20	70	A	0.04	60-04-21		39	100	A	11
54-10-07			1.0	100	A	0.27	60-05-06		8.0	100	A	2.2
54-10-19			0.10	110	A	0.03	60-05-26		199	40	A	21
55-02-14			0.60	200	A	0.32	60-06-16		282	60	A	46
55-03-07			0.20	30	A	0.02	60-06-29		6.0	70	A	1.1
55-04-04			0.40	220	A	0.24	60-07-21		6.0	80	A	1.3
55-04-18			0.50	160	A	0.22	60-08-04		6.0	50	A	0.81
55-05-02			0.40	150	A	0.16	60-08-18		6.0	110	A	1.8
55-05-10			608	4400	A	7220	60-08-24		34	70	A	6.4
55-05-11	0001		764	400	A	825	60-09-16		6.0	110	A	1.8
55-05-11	0002		669	1400	A	2530	60-10-05		275	20	A	15
55-05-12			389	310	A	326	60-10-21		507	40	A	55
55-05-13			295	2500	A	1990	60-12-02		45	20	A	2.4
55-05-14			69	160	A	30	61-01-10		81	50	A	11
55-05-16			8.0	90	A	1.9	61-01-19		114	30	A	9.2
55-06-01			1490	90	A	362	61-02-03		44	30	A	3.6
55-06-06			1890	70	A	357	61-02-15		330	30	A	27
55-06-21			1480	130	A	519	61-03-01		1.0	40	A	0.11
55-07-06			2060	150	A	834	61-03-22		332	40	A	36
55-07-11			105	80	A	23	61-04-05		475	80	A	103
55-07-21			210	230	A	130	61-04-19		152	40	A	16
55-08-01			12	100	A	3.2	61-05-04		54	290	A	42
55-08-11			7.0	60	A	1.1	61-05-17		23	110	A	6.8
55-08-22			7.0	150	A	2.8	61-06-01		98	80	A	21
55-08-31			5.0	170	A	2.3	61-06-15		26	120	A	8.4
55-09-12			6.0	80	A	1.3	61-07-06		3.0	60	A	0.49
55-11-09			6.0	220	A	3.6	61-07-19		18	170	A	8.3
55-11-22			6.0	250	A	4.1	61-08-02		5.0	90	A	1.2
55-12-07			6.0	190	A	3.1	61-08-15		13	330	A	12
56-01-04			6.0	230	A	3.7	61-09-06		6.0	40	A	0.65
56-02-01			6.0	150	A	2.4	61-09-21		6.0	40	A	0.65
56-02-29			5.0	360	A	4.9	61-10-05		6.0	60	A	0.97
56-05-08			5.0	330	A	4.5	61-10-19		7.0	120	A	2.3
56-05-28			7.0	140	A	2.6	61-11-09		9.0	100	A	2.4
56-07-05			1100	420	A	1250	61-11-29		49	60	A	7.9
56-07-06			1420	240	A	920	61-12-28		117	80	A	25
56-07-08			1470	140	A	556	62-01-17		42	90	A	10
56-07-12			1530	100	A	413	62-03-08		16	120	A	5.2
56-10-01			3.0	10	A	0.08	62-03-21		86	120	A	28
56-12-03			3.0	30	A	0.24	62-04-04		7.0	140	A	2.6
57-01-08			3.0	190	A	1.5	62-04-26		19	140	A	7.2
57-01-29			3.0	640	A	5.2	62-05-09		14	60	A	2.3
57-02-27			3.0	280	A	2.3	62-05-23		56	200	A	30
57-03-03			1480	260	A	1040	62-06-06		422	120	A	137
57-03-05			1420	160	A	613	62-06-20		581	50	A	78
57-03-06			1410	400	A	1520	62-07-03		253	370	A	253
57-03-08			1490	550	A	2210	62-07-12		63	320	A	54
57-03-11			1500	250	A	1010	62-08-03		192	60	A	31
57-03-12			955	200	A	516	62-08-15		72	160	A	31
57-03-13			6.0	310	A	5.0	62-09-06		65	140	A	25
57-03-18			4.0	110	A	1.2	62-09-19		6.0	50	A	0.81
57-04-08			821	350	A	776	62-10-03		7.0	90	A	1.7
57-04-15			3.0	100	A	0.81	62-10-17		7.0	90	A	1.7
57-05-31			1450	260	A	1020	63-05-22		1020	100	A	275
57-06-19			28	50	A	3.8	63-11-01		890	100	A	240
57-06-25			1530	60	A	248	63-11-02		872	140	A	330
57-07-02			1940	30	A	157	63-11-04		1080	120	A	350
57-07-16			1850	540	A	2700	63-11-08		1050	40	A	113
57-08-14			1510	50	A	204	64-06-24		852	200	A	460
57-09-05			20	90	A	4.9	64-06-29		1110	220	A	659

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

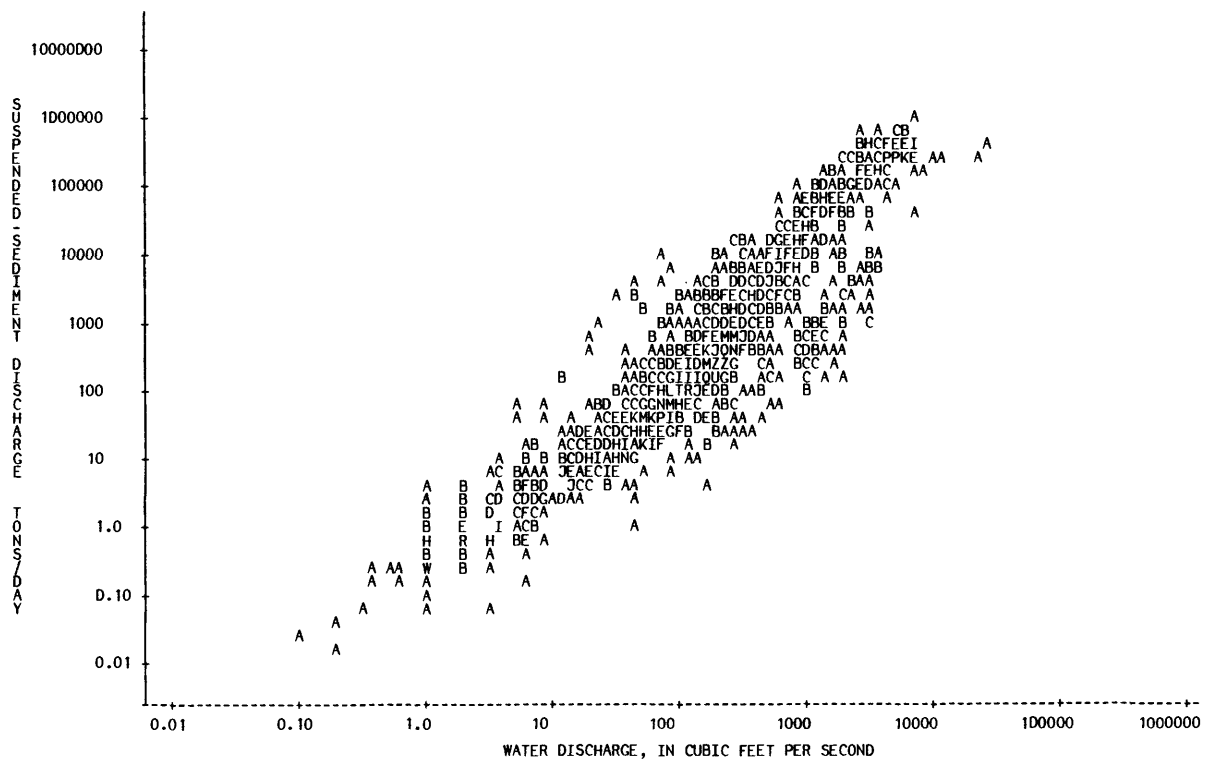
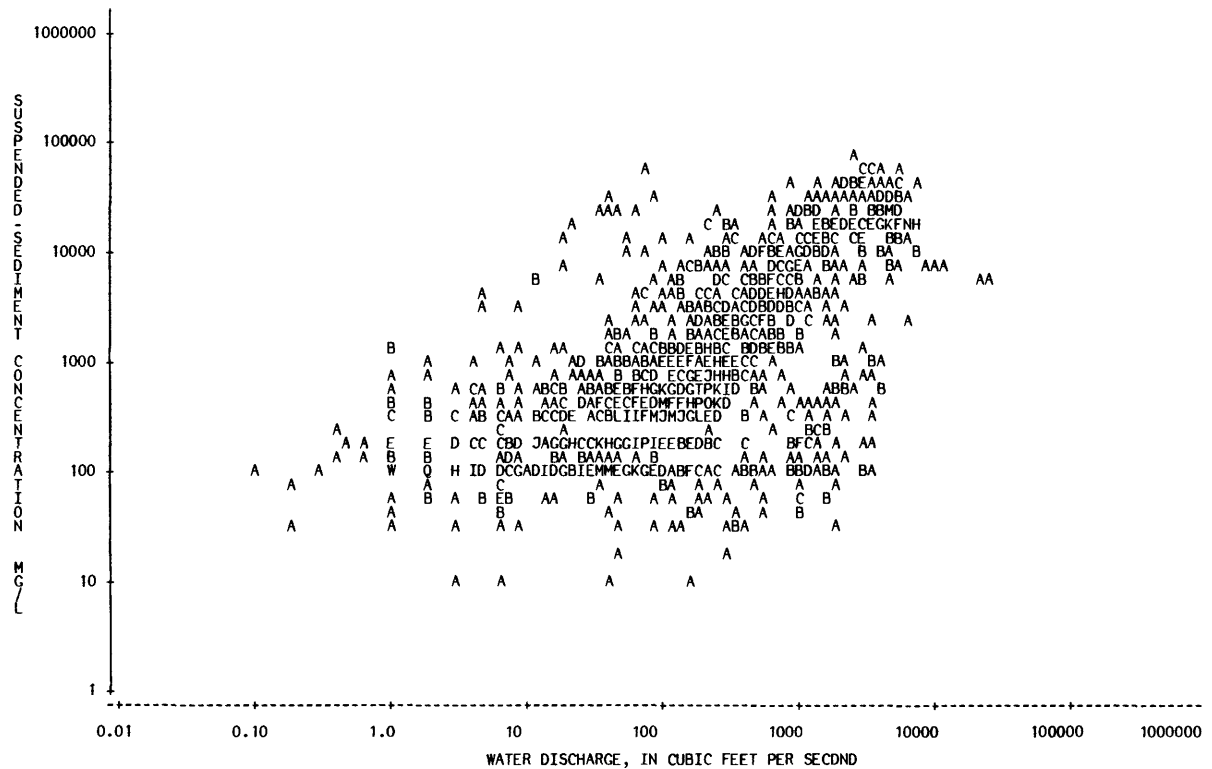
07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-06-30			1090	210	A 618
64-07-02			1030	400	A 1110
65-06-08			1060	160	A 458
66-07-06			1030	160	A 445
67-09-15			1200	100	A 324
68-06-19			1050	180	A 510
68-10-23			1360	240	A 881
71-04-20			1060	1680	A 4810
72-06-28			1060	60	A 172
72-09-12			1010	90	A 245
72-09-14			1030	80	A 222
73-04-18			1050	50	A 142
73-05-03			1070	40	A 116
73-06-07			970	60	A 157
74-08-30			940	4010	A 10200
76-01-05	1610		1110	90	A 270

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07239000 NORTH CANADIAN RIVER AT CANTON, OKLA.



## ARKANSAS RIVER BASIN

07239200 NORTH CANADIAN RIVER NEAR WATONGA, OKLA.

LOCATION.--Lat 35°50'30", long 98°28'00", on the north line of sec.27, T.16 N., R.12 W., Blaine County, Hydrologic Unit 11100301, on right bank on downstream side of bridge pier on U.S. Highways 270 and 281, 2.5 mi (4.0 km) west of Watonga, and at mile 364.9 (587.1 km).

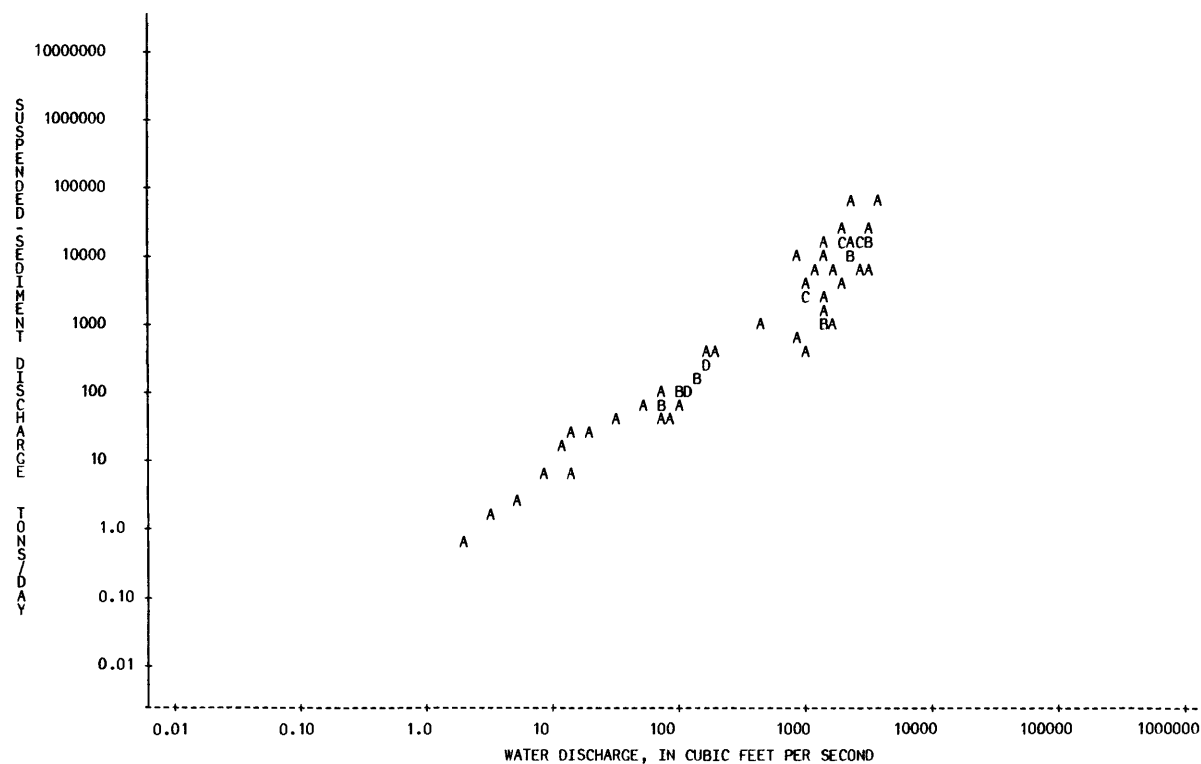
DRAINAGE AREA.--12,692 mi<sup>2</sup> (20,421 km<sup>2</sup>), of which 4,899 mi<sup>2</sup> (7,882 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1944, 1949-51, 1954-57, 1960, 1964-65.

REMARKS.--Flow partly regulated by Fort Supply Lake for period May 1942 to April 1948 and completely regulated thereafter by Canton Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-11-05			67	700	A 127	56-07-07			1440	2430	A 9450
43-11-05	0002		15	600	A 24	56-07-08			1360	290	A 1060
43-11-06			50	500	A 67	56-07-10			1410	770	A 2930
43-11-07			31	400	A 33	56-07-12			1510	270	A 1100
43-11-08			19	500	A 26	57-03-06			1280	1610	A 5560
43-11-09			11	500	A 15	57-03-08			1360	480	A 1760
43-11-10			9.0	300	A 7.3	57-03-11			1520	290	A 1190
43-11-11			5.0	200	A 2.7	57-03-12			1010	960	A 2620
43-11-12			3.0	200	A 1.6	57-04-08			815	300	A 660
43-11-13			2.0	100	A 0.54	59-10-07			429	890	A 1030
44-02-12			15	200	A 8.1	63-11-13			1030	950	A 2640
44-02-14			71	300	A 58	65-03-04	1100		1010	140	A 382
44-02-15			75	200	A 40						
44-02-16	0001		152	600	A 246						
44-02-16	0002		176	700	A 333						
44-02-17			164	700	A 310						
44-02-18			141	500	A 190						
44-02-19			117	300	A 95						
44-02-21			106	300	A 86						
44-02-22			116	300	A 94						
44-02-23			117	400	A 126						
44-02-25			108	300	A 87						
44-02-28			123	300	A 100						
44-02-29			142	500	A 192						
44-03-02			189	800	A 408						
44-03-04			159	600	A 258						
44-03-06			166	600	A 269						
44-03-08			103	200	A 56						
44-03-09			88	200	A 48						
44-03-10			74	300	A 60						
49-04-08			2080	3100	A 17400						
49-04-09			2040	4600	A 25300						
49-04-11	0001		2000	3000	A 16200						
49-04-11	0002		2000	2400	A 13000						
49-05-11			2550	2800	A 19300						
49-05-12			2550	2200	A 15100						
49-06-02			3220	2200	A 19100						
50-07-13			2160	2600	A 15200						
50-07-14			2560	1900	A 13100						
50-07-26			2220	12400	A 74300						
50-08-01			1400	5000	A 18900						
50-08-08			2930	3600	A 28500						
50-08-15			3050	2400	A 19800						
50-08-21			2740	1100	A 8140						
50-08-29			3730	6100	A 61400						
50-09-05			2400	1500	A 9720						
50-09-26			2970	1000	A 8020						
50-10-11			1750	1200	A 5670						
51-05-24			2280	1700	A 10500						
51-07-30			2080	600	A 3370						
54-06-01			844	4260	A 9710						
55-05-11			1040	930	A 2610						
56-07-06			1060	1160	A 3320						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE





## ARKANSAS RIVER BASIN

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OKLA.

LOCATION.--Lat 35°33'44", long 97°57'32", on east line of sec.32, T.13 N., R.7 W., Canadian County, Hydrologic Unit 11100301, near left bank on downstream side of pier of bridge on old U.S. Highway 81, 2.0 mi (3.2 km) north of courthouse in El Reno, 2.2 mi (3.5 km) downstream from Target Creek, and at mile 307.4 (494.6 km).

DRAINAGE AREA.--13,042 mi<sup>2</sup> (33,779 km<sup>2</sup>) of which 4,899 mi<sup>2</sup> (12,688 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938, 1940-58, 1960-61, 1964-65, 1967-69, 1972-75.

REMARKS.--Some regulation by Fort Supply Lake for period May 1942 to April 1948 and by Canton Lake thereafter.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-13			905	5200	A 12700	41-04-18			764	8400	A 17300
38-07-12			61	600	A 99	41-04-20			648	8600	A 15000
38-07-25			84	2100	A 476	41-04-22			344	4100	A 3810
40-04-12			234	7800	A 4930	41-04-25			207	1900	A 1060
40-04-13			47	4200	A 533	41-05-04			1390	8400	A 31500
40-05-21			1520	45000	A 185000	41-05-05			2400	17100	A 111000
40-05-22	0100		1430	43300	A 167000	41-05-07			2310	38800	A 242000
40-05-22	0330		1260	39300	A 134000	41-05-08			1570	32300	A 137000
40-05-22	1500		828	31400	A 70200	41-05-10			809	19500	A 42600
40-05-23			487	27900	A 36700	41-05-13			928	14100	A 35300
40-05-24			331	25400	A 22700	41-05-14			1490	15300	A 61600
40-05-25			217	28700	A 16800	41-05-16			725	7700	A 15100
40-05-27			131	18900	A 6680	41-05-22			1980	10500	A 56100
40-06-01			658	35700	A 63400	41-05-24			1400	5600	A 21200
40-06-03			478	31800	A 41000	41-05-25			3500	10200	A 96400
40-06-06			171	17100	A 7900	41-05-27	0001		4730	5400	A 69000
40-06-09			928	28600	A 71700	41-05-27	0002		4990	5800	A 78100
40-06-11			354	14900	A 14200	41-05-28			4980	5700	A 76600
40-06-12			2360	30100	A 192000	41-05-29			1870	7300	A 36900
40-06-13			2850	24200	A 186000	41-05-31			988	5500	A 14700
40-06-14	0001		2480	17200	A 115000	41-06-02			1080	3900	A 11400
40-06-14	0002		2300	18700	A 116000	41-06-05			1590	6400	A 27500
40-06-15	0001		1110	16400	A 49200	41-06-08			1930	6500	A 33900
40-06-15	0002		1010	15900	A 43400	41-06-11			4610	6000	A 74700
40-06-16			561	13900	A 21100	41-06-16			1530	5200	A 21500
40-06-17			429	12200	A 14100	41-06-23			436	1200	A 1410
40-06-18			361	13200	A 12900	41-06-27			499	2200	A 2960
40-06-19			253	13500	A 9220	41-06-30			305	2600	A 2140
40-06-21			178	6600	A 3170	41-07-07			333	6900	A 6200
40-06-24			99	2000	A 535	41-07-08			3270	38900	A 343000
40-07-02			68	200	A 37	41-07-09			3250	15300	A 134000
40-07-04			274	10900	A 8060	41-07-10			1440	12400	A 48200
40-07-05			241	7100	A 4620	41-07-12			818	10300	A 22700
40-07-07			94	2500	A 634	41-07-14			506	10200	A 13900
40-07-11	0001		2510	15600	A 106000	41-07-15			430	11300	A 13100
40-07-11	0002		1760	13200	A 62700	41-07-17			357	4400	A 4240
40-07-12			795	12400	A 26600	41-07-21			302	3000	A 2450
40-08-13			418	10400	A 11700	41-08-01			144	900	A 350
40-08-16			166	5100	A 2290	41-08-08			134	4100	A 1480
40-08-19			117	2900	A 916	41-08-21			52	300	A 42
40-08-22			34	700	A 64	41-08-29			540	10000	A 14600
40-08-26		9.0		400	A 9.7	41-09-02			165	3000	A 1340
40-09-05		15		500	A 20	41-09-10			86	1400	A 325
40-11-27		3.0		700	A 5.7	41-09-23			218	2700	A 1590
41-02-12		47		800	A 102	41-09-26			2930	76200	A 603000
41-02-16		32		600	A 52	41-09-27			2610	68000	A 479000
41-02-25		34		300	A 28	41-09-29			713	37000	A 71200
41-03-02		39		1600	A 168	41-10-01			1430	32600	A 126000
41-03-28		51		100	A 14	41-10-06			426	11000	A 12700
41-04-01		64		300	A 52	41-10-08			810	14200	A 31100
41-04-14		80		1500	A 324	41-10-11			483	8300	A 10800
41-04-15		113		1800	A 549	41-10-16			1640	11300	A 50000
41-04-17		389		7300	A 7670	41-10-17			686	8500	A 15700

\*\*\*\*\*  
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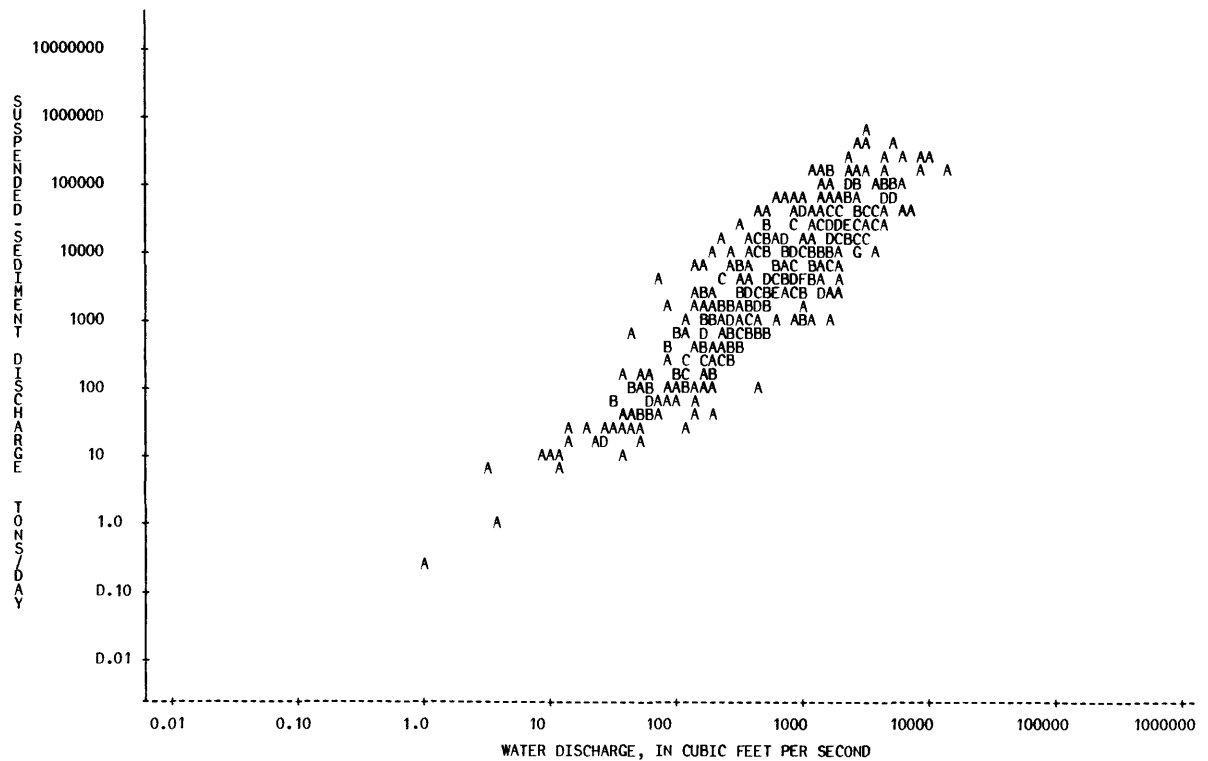
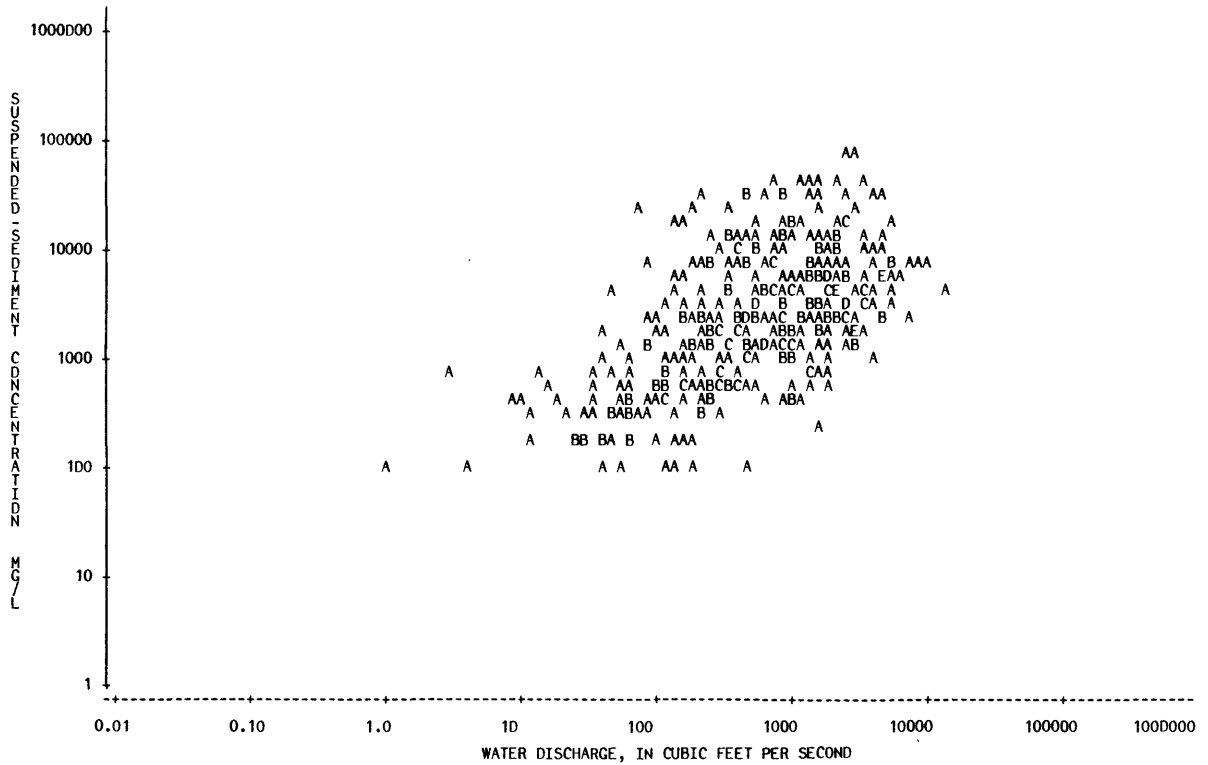
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-10-24			4320	8800	A 103000	44-11-08			28	300	A 23
41-10-27			10800	8600	A 251000	44-11-14			47	300	A 38
41-10-28			14500	4100	A 161000	44-11-24			73	300	A 59
41-10-31			2550	6100	A 42000	44-12-01			28	200	A 15
41-11-03			1760	4200	A 20000	44-12-06			98	500	A 132
41-11-05			1270	3500	A 12000	44-12-16			121	600	A 196
41-11-07	1400		1050	4100	A 11600	44-12-20			58	400	A 63
41-11-10			837	1700	A 3840	45-01-08			49	200	A 26
41-11-17			471	1100	A 1400	45-01-16			163	400	A 176
41-11-24			450	900	A 1090	45-01-25			92	300	A 75
41-12-02			412	600	A 667	45-02-08			135	200	A 73
42-03-12			284	300	A 230	45-02-17			118	100	A 32
42-03-26			212	400	A 229	45-02-23			103	200	A 56
42-04-03			208	300	A 168	45-03-02			159	600	A 258
42-04-08			434	2400	A 2810	45-03-17			223	1200	A 723
42-04-13			296	700	A 559	45-03-26			239	2000	A 1290
42-04-19			6380	6000	A 103000	45-03-30			140	300	A 113
42-04-20			1270	6300	A 21600	45-04-06			102	500	A 138
42-04-23			4130	10800	A 120000	45-04-11			2010	7800	A 42300
42-04-24			4900	35000	A 463000	45-04-12			569	3000	A 4610
42-04-25			5830	16100	A 253000	45-04-14			271	1200	A 878
42-04-27			4390	14300	A 169000	45-04-20			355	1300	A 1250
42-04-29			1450	7700	A 30100	45-04-26			241	400	A 260
42-05-05			586	2900	A 4590	45-05-01			362	1400	A 1370
42-05-15			450	2100	A 2550	45-05-12			3220	4300	A 37400
42-05-21			201	300	A 163	45-05-15			302	500	A 408
42-05-26			282	800	A 609	45-05-22			119	400	A 129
42-06-02			120	500	A 162	45-05-29			66	200	A 36
42-06-08			830	2200	A 4930	45-06-04			51	600	A 83
42-06-11			537	5800	A 8410	45-06-08			35	400	A 38
42-06-12			4140	28300	A 316000	45-06-11			387	3000	A 3130
42-06-15			964	14400	A 37500	45-06-13			195	2300	A 1210
42-06-18			458	6800	A 8410	45-06-19			206	2900	A 1610
42-06-30			1160	6100	A 19100	45-06-29			1690	9800	A 44700
42-08-17			38	100	A 10	45-07-04			232	2600	A 1630
42-09-01			23	300	A 19	45-07-07			659	4100	A 7300
42-09-11			41	1000	A 111	45-07-09			165	1300	A 579
42-09-20			335	6000	A 5430	45-07-10			2940	4500	A 35700
42-09-23			209	3800	A 2140	45-07-11			1120	4000	A 12100
42-09-24			721	8900	A 17300	45-07-12			516	3100	A 4320
42-09-25			454	14400	A 17700	45-07-14			504	2200	A 2990
42-09-28			512	16400	A 22700	45-07-17			264	2500	A 1780
42-10-02			267	2000	A 1440	45-07-24			98	400	A 106
42-10-15			155	2600	A 1090	45-08-01			27	200	A 15
43-03-17			80	8000	A 1730	45-08-07			12	200	A 6.5
43-05-11			391	1800	A 1900	45-08-30			1.0	100	A 0.27
43-05-14			159	500	A 215	45-09-26			219	7100	A 4200
43-05-17			758	4000	A 8190	45-10-01			719	4300	A 8350
44-03-22			567	3900	A 5970	45-10-05			176	1500	A 713
44-04-10			9200	8500	A 211000	45-10-10			614	2600	A 4310
44-04-11			842	3600	A 8180	46-03-11			63	300	A 51
44-04-12			295	1700	A 1350	46-04-10			124	400	A 134
44-04-13			2250	14000	A 85100	46-04-23			43	200	A 23
44-04-24			2290	8800	A 54400	46-09-03			182	25100	A 12300
44-04-25			943	4500	A 11500	46-09-06			76	23800	A 4880
44-04-26			503	2900	A 3940	46-10-08			1070	17800	A 51400
44-05-06			682	3700	A 6810	46-10-09			1610	7500	A 32600
44-05-08			395	2000	A 2130	46-10-10			2220	11200	A 67100
44-05-24			178	1100	A 529	46-10-11			2720	5600	A 41100
44-05-31			162	500	A 219	46-10-12			3290	5500	A 48900
44-06-02			209	700	A 395	46-10-13			3490	4800	A 45200
44-06-06			168	1000	A 454	46-10-14			4230	7000	A 79900
44-06-10			112	700	A 212	46-10-15	0800		5260	6900	A 98000
44-06-13			1790	4200	A 20300	46-10-15	1300		5540	4800	A 71800
44-06-14			420	2400	A 2720	46-10-16			2080	5100	A 28600
44-06-17			167	800	A 361	46-10-18			1680	23600	A 107000
44-06-20			110	400	A 119	46-10-21			863	2400	A 5590
44-06-23			66	400	A 71	46-10-23			1210	2400	A 7840
44-06-26			39	200	A 21	46-10-28			466	1100	A 1380
44-06-30			19	400	A 21	46-11-04			491	600	A 795
44-07-03			63	400	A 68	46-11-07			2070	4400	A 24600
44-07-06			11	300	A 8.9	46-11-13			577	1400	A 2180
44-07-11			27	200	A 15	46-11-20			405	800	A 875
44-07-17			29	200	A 16	46-11-26			305	800	A 659
44-07-29			1770	6100	A 29200	46-12-02			276	500	A 373
44-07-31			489	2700	A 3560	46-12-17			268	400	A 289
44-08-02			559	2200	A 3320	47-01-14			294	600	A 476
44-08-05			292	1600	A 1260	47-03-11			200	600	A 324
44-08-08			113	700	A 214	47-03-20			637	1400	A 2410
44-08-14			10.0	400	A 11	47-03-27			368	1300	A 1290
44-08-22			4.0	100	A 1.1	47-04-01			235	600	A 381
44-09-28			13	800	A 28	47-04-07			378	2100	A 2140
44-09-29			14.1	5400	A 2060	47-04-13			2480	3100	A 20800
44-10-04			65	1100	A 193	47-04-16			1870	5000	A 25200
44-10-09			856	3000	A 6930	47-04-18			882	1800	A 4290
44-10-11			259	1300	A 909	47-04-21			643	1200	A 2080
44-10-13			118	1000	A 319	47-04-25			957	1600	A 4130
44-10-17			50	300	A 40	47-04-29			605	1400	A 2290
44-10-24			84	400	A 91	47-05-02			510	1100	A 1510

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-05-05			882	1400	A 3330	57-03-11			1210	1310	A 4280
47-05-09			803	1000	A 2170	57-03-12			1340	1010	A 3650
47-05-13			1340	2900	A 10500	57-06-11			1810	1220	A 5960
47-05-16			4370	5000	A 59000	57-06-24			2490	2720	A 18300
47-05-19			4580	2700	A 33400	57-07-02			1710	1280	A 5910
47-05-21			2240	3900	A 23600	57-07-18			1690	210	A 958
47-05-26			3600	3300	A 32100	57-07-29			1750	1100	A 5200
47-06-18			322	600	A 522	57-08-15			1430	760	A 2930
47-06-23			249	500	A 336	58-06-21			3000	1600	A 13000
47-06-27			734	1400	A 2770	58-06-22			3020	1600	A 13000
47-07-08			286	1600	A 1240	59-10-05			1500	1810	A 7330
47-07-18			449	1600	A 1940	60-10-28			3590	3010	A 29200
48-03-04			289	1000	A 780	61-09-13			5800	2990	A 46800
48-06-23			7850	7200	A 153000	64-06-29			851	460	A 1060
48-06-24			7000	2200	A 41600	65-06-22			2330	15400	A 96900
48-06-25			845	1200	A 2740	65-09-22			2150	2450	A 14200
48-06-26			366	600	A 593	67-06-12			1750	3160	A 14900
48-08-23			544	500	A 734	68-02-01			1530	3400	A 14000
49-04-09			1910	4100	A 21100	68-10-24			403	2030	A 2210
49-04-13			591	1400	A 2230	68-10-29			1060	1490	A 4260
49-04-15			220	500	A 297	71-12-15			1630	2190	A 9640
49-05-08			875	2500	A 5910	73-03-06			854	3910	A 9020
49-05-17			1120	1600	A 4840	73-04-23			1000	410	A 1110
49-05-19			5120	5800	A 80200	74-03-11			1660	2990	A 13400
49-05-20			1650	1900	A 8460	75-05-14			2160	3790	A 22100
49-05-21			5370	8100	A 117000						
49-07-08			131	100	A 35						
49-07-15			976	900	A 2370						
49-07-21			1000	900	A 2430						
49-09-12			387	500	A 522						
49-12-12			463	100	A 125						
50-03-01			197	200	A 106						
50-05-17			155	200	A 84						
50-05-18			793	4500	A 9630						
50-05-29			410	500	A 553						
50-06-21			177	1500	A 717						
50-07-07			55	1200	A 178						
50-07-10			327	1100	A 971						
50-07-13			2000	2600	A 14000						
50-07-14			1730	1700	A 7940						
50-07-17			1310	800	A 2830						
50-07-19			854	1100	A 2540						
50-07-20			750	2400	A 4860						
50-07-24			152	2100	A 862						
50-07-27			1850	2300	A 11500						
50-08-01			3820	900	A 9280						
50-08-04			1100	2100	A 6240						
50-08-07			2410	3200	A 20800						
50-08-11			2650	8700	A 62200						
50-08-15			2550	1500	A 10300						
50-08-17			1730	5800	A 27100						
50-08-21			2810	1600	A 12100						
50-08-25			2890	1300	A 10100						
50-08-31			2890	2400	A 18700						
50-09-05			3610	3200	A 31200						
50-09-11			2730	1600	A 11800						
50-09-19			2820	1600	A 12200						
50-09-29			2840	1200	A 9200						
50-10-11			1860	700	A 3520						
50-10-23			189	100	A 51						
51-05-18			3930	4700	A 49900						
51-05-25			2200	3900	A 23200						
51-05-26			2340	2500	A 15800						
51-05-28			2640	2900	A 20700						
51-06-05			3310	1600	A 14300						
51-06-08			3200	3700	A 32000						
51-06-15			3870	3200	A 33400						
52-05-23			2240	4700	A 28400						
53-09-10			492	1340	A 1780						
53-09-11			1020	550	A 1510						
53-09-12			1030	1250	A 3480						
53-09-13			1110	420	A 1260						
53-09-15			953	390	A 1000						
54-03-21			982	1740	A 4610						
54-03-22			952	1430	A 3680						
54-05-01			61	780	A 128						
54-05-06			926	1480	A 3700						
54-05-07			654	470	A 830						
54-05-24			775	1630	A 3410						
54-05-25			1410	2310	A 8790						
55-05-20			2060	2380	A 13200						
55-05-21			2660	3270	A 23500						
55-05-27			2510	1880	A 12700						
55-05-31			1420	580	A 2220						
55-06-09			1390	790	A 2960						
55-07-05			1570	730	A 3090						
55-07-08			1830	630	A 3110						
55-10-03			2690	2720	A 19800						
55-10-05			4340	2180	A 25500						

\*\*\*\*\*  
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A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07239500 NORTH CANADIAN RIVER NEAR EL RENO, OKLA.



## ARKANSAS RIVER BASIN

07241500 NORTH CANADIAN RIVER NEAR OKLAHOMA CITY, OKLA.

LOCATION.--Lat 35°29'40", long 97°25'40", on north line sec.29, T.12 N., R.2 W., Oklahoma County, Hydrologic Unit 11100302, at bridge on U.S. Highway 62, 2 mi (3.2 km) east of Oklahoma City, 5 mi (8.0 km) upstream from Crutch Creek, 20.3 mi (32.7 km) downstream from Lake Overholser, and at mile 261.2 (420.3 km).

DRAINAGE AREA.--13,354 mi<sup>2</sup> (34,587 km<sup>2</sup>), of which 4,899 mi<sup>2</sup> (12,688 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1940, 1942-50, 1952.

REMARKS.--Some regulation by Lake Overholser since 1920, Fort Supply Lake for period May 1942 to April 1948 and by Canton Lake thereafter. Diversions above station into Lake Hefner Canal.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-08-13			790	7300	A 15600	45-07-10			5560	3400	A 51000
40-08-14	0001		352	1200	A 1140	45-07-12			3500	3400	A 32100
40-08-14	0002		458	1900	A 2350	45-07-13			908	2000	A 4900
42-09-25			874	6300	A 14900	45-07-14			1130	1600	A 4880
42-10-01			107	300	A 87	45-07-18			300	300	A 243
42-10-05			2010	10600	A 57900	45-09-30			3730	4400	A 44300
44-04-11			2880	3300	A 25700	45-10-01			1410	3500	A 13300
44-04-28			2010	5500	A 29800	45-10-02			1080	2200	A 6420
44-05-01			1520	26000	A 107000	45-10-05			435	500	A 587
44-05-03			1770	7600	A 36300	46-05-29			621	2800	A 4690
44-05-05			843	1800	A 4100	46-05-31			416	1600	A 1800
44-05-27			440	2100	A 2490	46-06-29			2670	8900	A 64200
44-06-03			42	200	A 23	46-10-10			1660	8900	A 39900
44-06-06			36	800	A 78	46-10-11			2080	13400	A 75300
44-06-09			720	5100	A 9910	46-10-13			2670	7600	A 54800
44-06-13			8330	9800	A 220000	46-10-14			3220	6300	A 54800
44-06-14			4350	13600	A 160000	46-10-16			4230	3800	A 43400
44-06-15			1520	2200	A 9030	46-10-17			1910	3600	A 18600
44-06-16			770	10000	A 20800	46-10-18			192	600	A 311
44-06-20			83	600	A 134	46-10-21			938	1000	A 2530
44-06-23			64	200	A 35	46-10-23			858	1100	A 2550
44-06-27			55	300	A 45	46-10-28			561	700	A 1060
44-07-07			34	100	A 9.2	46-10-31			463	700	A 875
44-07-17			34	100	A 9.2	46-11-07			1850	3600	A 18000
44-08-11			32	300	A 26	47-01-31			314	400	A 339
44-09-11			58	100	A 16	47-03-20			787	600	A 1270
44-09-28			71	100	A 19	47-04-07			361	700	A 682
44-10-03			410	1600	A 1770	47-04-08			1950	5300	A 27900
44-10-04			156	700	A 295	47-04-09			734	1500	A 2970
44-10-06			45	200	A 24	47-04-13			5770	4400	A 68500
44-10-14			36	300	A 29	47-04-14			6060	3900	A 63800
44-10-25			25	200	A 13	47-04-16			4580	4800	A 59400
44-11-01			26	200	A 14	47-04-18			1590	4200	A 18000
44-11-07			208	900	A 505	47-04-21			900	2000	A 4860
44-11-09			38	200	A 21	47-04-25			967	1500	A 3920
44-12-01			42	400	A 45	47-05-12			3070	5400	A 44800
44-12-05			339	1600	A 1460	47-05-16			7950	2300	A 49400
44-12-16			195	300	A 158	47-05-20			5200	2500	A 35100
44-12-30			58	200	A 31	47-05-26			3060	4600	A 38000
45-01-08			42	300	A 34	47-06-09			728	2300	A 4520
45-01-22			157	100	A 42	47-06-13			488	700	A 922
45-03-12			1130	3100	A 9460	47-07-03			3720	5000	A 50200
45-04-12			1660	2600	A 11700	47-07-03	0001		1780	2900	A 13900
45-04-13			1990	3300	A 17700	47-07-08			436	1700	A 2000
45-04-14			4780	5900	A 76100	47-07-17			445	2200	A 2640
45-04-15			2210	2100	A 12500	48-03-01			2350	6100	A 38700
45-04-18			2180	3000	A 17700	48-03-26			1100	3700	A 11000
45-04-21			722	500	A 975	48-04-25			1000	3300	A 8910
45-05-12			3820	3900	A 40200	48-06-21			1640	4500	A 19900
45-05-14			1270	2200	A 7540	48-06-22			771	2000	A 4160
45-06-04			397	1900	A 2040	48-06-24			8420	2900	A 65900
45-06-07			59	500	A 80	48-08-23			493	100	A 133
45-06-12			1650	1600	A 7130	49-05-18			3000	4600	A 37300

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN

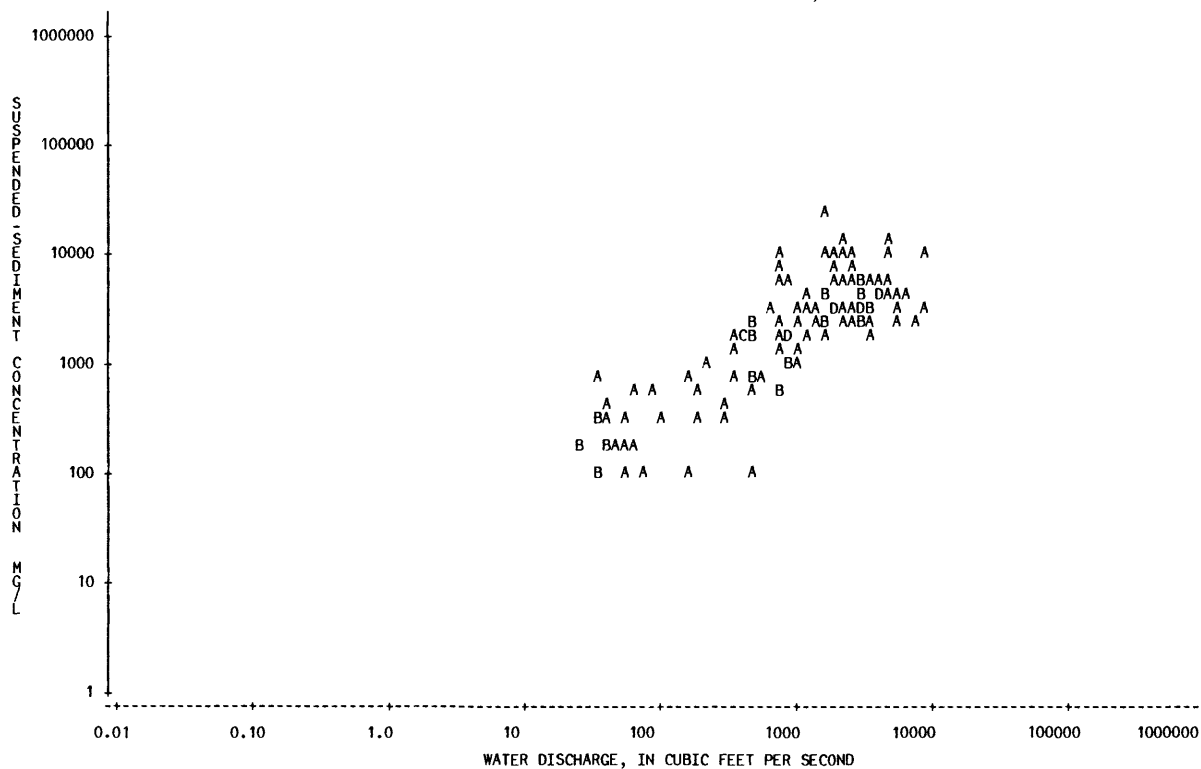
450

07241500 NORTH CANADIAN RIVER NEAR OKLAHOMA CITY, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-05-20			3650	2900	A 28600						
49-05-29			3880	4300	A 45000						
49-06-08			3440	2700	A 25100						
49-06-24			3170	5000	A 42800						
50-05-29			864	1100	A 2570						
50-07-14			1920	8900	A 46100						
50-07-31			825	2000	A 4450						
50-08-07			2590	2100	A 14700						
50-08-11			2610	3100	A 21800						
50-08-22			2990	2400	A 19400						
50-08-25			2980	2700	A 21700						
50-09-01			3150	3300	A 28100						
50-09-06			3410	1900	A 17500						
50-09-12			2830	3400	A 26000						
50-09-25			2890	2900	A 22600						
52-05-23			4530	11100	A 136000						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07241500 NORTH CANADIAN RIVER NEAR OKLAHOMA CITY, OKLA.



## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.

LOCATION.--Lat 35°15'53", long 96°12'25", in center of SW 1/4 sec.12, T.9 N., R.10 E., Hughes County, Hydrologic Unit 11100302, near left bank on downstream side of pier of bridge on U.S. Highway 75, 2.3 mi (3.7 km) upstream from Wewoka Creek, 2.5 mi (4.0 km) northeast of Wetumka, and at mile 84.4 (135.8 km).

DRAINAGE AREA.--14,290 mi<sup>2</sup> (37,011 km<sup>2</sup>) of which 4,899 mi<sup>2</sup> (12,688 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-80.

REMARKS.--Some regulation by Lake Overholser since 1920, Fort Supply Lake for period May 1942 to April 1948 and by Canton Lake thereafter. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-31			1680	5700	A 25900	41-07-03			3340	6400	A 57700
38-06-15			1640	4500	A 19900	41-07-10			903	1800	A 4390
38-06-23			720	6200	A 12100	41-07-14			1690	7000	A 31900
38-06-27			1310	7600	A 26900	41-07-18			802	4400	A 9530
38-07-06			585	1400	A 2210	41-07-24			616	1400	A 2330
38-08-01			505	4100	A 5590	41-07-29			392	500	A 529
38-09-02			89	300	A 72	41-09-10			6560	4000	A 70800
39-09-15			58	500	A 78	41-09-12			1150	3100	A 9630
40-04-03	0001		254	4900	A 3360	41-09-16			418	1500	A 1690
40-04-03	0002		139	1700	A 638	41-09-30			1720	2900	A 13500
40-04-07			167	2100	A 947	41-10-06			8510	4200	A 96500
40-04-12			688	6400	A 11900	41-10-07			3380	7600	A 69400
40-05-01			217	2000	A 1170	41-10-08			2020	8900	A 48500
40-06-18			947	17400	A 44500	41-10-13			1260	7200	A 24500
40-06-19			758	20000	A 40900	41-10-17			8700	2300	A 54000
40-06-21			359	13000	A 12600	41-10-20			2160	7400	A 43200
40-06-27			223	4100	A 2470	41-10-23			1260	3600	A 12200
40-07-03			2590	9600	A 67100	41-10-27			4880	6500	A 85600
40-07-04			3530	9600	A 91500	41-11-02			13400	1900	A 68700
40-07-06			820	6000	A 13300	41-11-03			14400	3300	A 128000
40-07-08			557	2900	A 4360	41-11-04			19000	7700	A 395000
40-07-10			289	1900	A 1480	41-11-05			13100	2700	A 95500
40-07-12			770	6200	A 12900	41-11-06			10700	3300	A 95300
40-07-13			254	2300	A 1580	41-11-12			1830	2600	A 12800
40-07-26			326	2100	A 1850	41-11-21			1510	1500	A 6120
40-08-19			662	5000	A 8940	41-12-02			1080	1100	A 3210
40-08-22			264	2300	A 1640	42-04-01			363	300	A 294
40-08-27			118	500	A 159	42-04-09			8190	3000	A 66300
40-09-05			3060	2600	A 21500	42-04-10			9730	2000	A 52500
40-09-10			222	900	A 539	42-04-18			1350	1800	A 6560
40-11-21			472	4200	A 5350	42-04-21			9190	3500	A 86800
40-11-25			556	5500	A 8260	42-04-22			11900	2200	A 70700
40-11-29			572	3100	A 4790	42-04-23			8900	2400	A 57700
40-12-02			262	1100	A 778	42-04-25			9990	1800	A 48600
40-12-17			138	700	A 261	42-05-05			2140	4600	A 26600
41-01-06			125	900	A 304	42-05-16			940	1500	A 3810
41-02-03			534	1900	A 2740	42-05-21			726	4700	A 9210
41-02-21			298	700	A 563	42-06-11			6970	3600	A 67700
41-02-25			402	700	A 760	42-06-12			2770	2500	A 18700
41-04-15			626	2600	A 4390	42-06-16			4250	10800	A 124000
41-04-21			6030	5800	A 94400	42-06-23			6110	6000	A 99000
41-04-24			1260	5000	A 17000	42-06-24			3110	5800	A 48700
41-04-26			832	2800	A 6290	42-07-08			945	3500	A 8930
41-05-06			4680	6100	A 77100	42-07-16			536	4500	A 6510
41-05-07			3910	4900	A 51700	42-07-17			1240	4900	A 16400
41-05-13			1650	13200	A 58800	42-07-25			342	800	A 739
41-05-16			1550	12500	A 52300	42-09-24			454	900	A 1100
41-05-20			986	8800	A 23400	42-10-22			538	1100	A 1600
41-05-26			2550	8400	A 57800	42-12-08			357	400	A 386
41-05-31			2970	6200	A 49700	43-06-24			510	600	A 826
41-06-03			4150	6700	A 75100	43-07-01			365	200	A 197
41-06-17			3960	3700	A 39600	43-07-09			303	400	A 327
41-06-20			4120	2900	A 32300	43-07-15			228	400	A 246

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

453

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-07-22			291	300	A	43-07-22			291	300	A
43-07-29			159	200	A	43-07-29			159	200	A
43-08-05			135	100	A	43-08-05			135	100	A
43-08-10			127	300	A	43-08-10			127	300	A
43-08-17			104	200	A	43-08-17			104	200	A
43-08-25			93	300	A	43-08-25			93	300	A
43-08-31			91	100	A	43-08-31			91	100	A
43-09-07			75	300	A	43-09-07			75	300	A
43-09-14			65	200	A	43-09-14			65	200	A
43-09-21			66	100	A	43-09-21			66	100	A
43-09-28			66	100	A	43-09-28			66	100	A
43-10-05			123	100	A	43-10-05			123	100	A
43-10-13			715	4000	A	43-10-13			715	4000	A
43-10-19			56	200	A	43-10-19			56	200	A
43-10-26			89	200	A	43-10-26			89	200	A
43-11-02			73	100	A	43-11-02			73	100	A
43-11-09			70	300	A	43-11-09			70	300	A
43-11-16			68	200	A	43-11-16			68	200	A
43-11-23			64	600	A	43-11-23			64	600	A
43-11-30			62	100	A	43-11-30			62	100	A
43-12-08			75	300	A	43-12-08			75	300	A
43-12-14			96	100	A	43-12-14			96	100	A
43-12-21			68	100	A	43-12-21			68	100	A
43-12-28			319	3500	A	43-12-28			319	3500	A
44-01-04			88	200	A	44-01-04			88	200	A
44-01-11			94	300	A	44-01-11			94	300	A
44-01-18			106	400	A	44-01-18			106	400	A
44-01-25			97	200	A	44-01-25			97	200	A
44-02-01			94	200	A	44-02-01			94	200	A
44-02-03			108	200	A	44-02-03			108	200	A
44-02-08			82	400	A	44-02-08			82	400	A
44-02-15			80	100	A	44-02-15			80	100	A
44-02-22			85	300	A	44-02-22			85	300	A
44-02-29			525	2600	A	44-02-29			525	2600	A
44-03-07			104	200	A	44-03-07			104	200	A
44-03-14			88	900	A	44-03-14			88	900	A
44-03-22			671	2300	A	44-03-22			671	2300	A
44-03-28			206	1000	A	44-03-28			206	1000	A
44-04-04			137	300	A	44-04-04			137	300	A
44-04-12			745	5400	A	44-04-12			745	5400	A
44-04-13			874	4600	A	44-04-13			874	4600	A
44-04-18			660	2200	A	44-04-18			660	2200	A
44-04-26			515	1800	A	44-04-26			515	1800	A
44-04-27			434	900	A	44-04-27			434	900	A
44-05-02			2500	6500	A	44-05-02			2500	6500	A
44-05-09			4790	12200	A	44-05-09			4790	12200	A
44-05-16			682	2400	A	44-05-16			682	2400	A
44-05-19			487	1000	A	44-05-19			487	1000	A
44-05-23			754	2700	A	44-05-23			754	2700	A
44-05-31			1220	4000	A	44-05-31			1220	4000	A
44-06-06			362	300	A	44-06-06			362	300	A
44-06-14			2820	8000	A	44-06-14			2820	8000	A
44-06-17			3020	6300	A	44-06-17			3020	6300	A
44-06-23			535	900	A	44-06-23			535	900	A
44-06-24			436	700	A	44-06-24			436	700	A
44-06-27			300	600	A	44-06-27			300	600	A
44-06-30			247	200	A	44-06-30			247	200	A
44-07-12			397	2300	A	44-07-12			397	2300	A
44-07-18			167	100	A	44-07-18			167	100	A
44-07-26			165	400	A	44-07-26			165	400	A
44-08-01			217	300	A	44-08-01			217	300	A
44-08-31	0001		258	2400	A	44-08-31	0001		258	2400	A
44-08-31	0002		247	2400	A	44-08-31	0002		247	2400	A
44-09-08			145	100	A	44-09-08			145	100	A
44-09-14			82	100	A	44-09-14			82	100	A
44-09-20			82	400	A	44-09-20			82	400	A
44-09-26			64	200	A	44-09-26			64	200	A
44-10-05			1130	4900	A	44-10-05			1130	4900	A
44-10-07			489	2400	A	44-10-07			489	2400	A
44-10-10			250	500	A	44-10-10			250	500	A
44-10-11			203	400	A	44-10-11			203	400	A
44-10-18			160	300	A	44-10-18			160	300	A
44-10-20			134	200	A	44-10-20			134	200	A
44-10-23			129	200	A	44-10-23			129	200	A
44-10-26			110	200	A	44-10-26			110	200	A
44-10-31			106	200	A	44-10-31			106	200	A
44-11-07			183	500	A	44-11-07			183	500	A
44-11-10			223	1500	A	44-11-10			223	1500	A
44-11-14			1300	5700	A	44-11-14			1300	5700	A
44-11-21			121	300	A	44-11-21			121	300	A
44-11-28			238	1400	A	44-11-28			238	1400	A
44-12-01			300	600	A	44-12-01			300	600	A
44-12-06			1810	8400	A	44-12-06			1810	8400	A
44-12-07			1120	4200	A	44-12-07			1120	4200	A
44-12-12			306	700	A	44-12-12			306	700	A
44-12-19			279	400	A	44-12-19			279	400	A
44-12-27			220	300	A	44-12-27			220	300	A
45-01-03			175	300	A	45-01-03			175	300	A
45-01-09			165	300	A	45-01-09			165	300	A
45-01-16			135	100	A	45-01-16			135	100	A
45-01-23			151	200	A	45-01-23			151	200	A
45-01-30			209	100	A	45-01-30			209	100	A
45-02-13			250	100	A	45-02-13			250	100	A
45-02-20			429	700	A	45-02-20			429	700	A
45-03-01			483	1200	A	45-03-01			483	1200	A
45-03-06	0001		4110	13800	A	45-03-06	0001		4110	13800	A
45-03-06	0002		4180	8000	A	45-03-06	0002		4180	8000	A
45-03-13			4060	12000	A	45-03-13			4060	12000	A
45-03-15			8770	3200	A	45-03-15			8770	3200	A
45-03-20			10450	7600	A	45-03-20			10450	7600	A
45-03-22			1860	2900	A	45-03-22			1860	2900	A
45-03-27			1090	700	A	45-03-27			1090	700	A
45-03-29			858	900	A	45-03-29			858	900	A
45-04-02	0001		1360	1400	A	45-04-02	0001		1360	1400	A
45-04-02	0002		1410	1700	A	45-04-02	0002		1410	1700	A
45-04-10	0001		484	600	A	45-04-10	0001		484	600	A
45-04-10	0002		474	600	A	45-04-10	0002		474	600	A
45-04-15			59600	4900	A	45-04-15			59600	4900	A
45-04-16			37300	4600	A	45-04-16			37300	4600	A
45-04-17			16700	4200	A	45-04-17			16700	4200	A
45-04-24			2810	3900	A	45-04-24			2810	3900	A
45-04-25			2100	7500	A	45-04-25			2100	7500	A
45-04-30			1310	1100	A	45-04-30			1310	1100	A
45-05-07			922	1800	A	45-05-07			922	1800	A
45-05-15			3370	5000	A	45-05-15			3370	5000	A
45-05-16			3540	6500	A	45-05-16			3540	6500	A
45-05-21			825	1400	A	45-05-21			825	1400	A
45-05-23			798	1000	A	45-05-23			798	1000	A
45-05-28			523	500	A	45-05-28			523	500	A
45-06-02			395	300	A	45-06-02			395	300	A
45-06-04			503	1100	A	45-06-04			503	1100	A
45-06-12			7610	3700	A	45-06-12			7610	3700	A
45-06-13			5770	3400	A	45-06-13			5770	3400	A
45-06-19	0001		2690	5600	A	45-06-19	0001		2690	5600	A
45-06-19	0002		2100	2600	A	45-06-19	0002		2100	2600	A
45-06-25			1530	3300	A	45-06-25			1530	3300	A
45-06-26			1540	2900	A	45-06-26			1540	2900	A
45-07-03	0001		1900	2500	A	45-07-03	0001		1900	2500	A
45-07-03	0002		1540	2700	A	45-07-03	0002		1540	2700	A
45-07-14			2760	7500	A	45-07-14			2760	7500	A
45-07-19	1400		1030	1500	A	45-07-19	1400		1030	1500	A
45-07-19	1530		1030	1600	A	45-07-19	1530		1030	1600	A
45-07-25			5								

## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-01-15			335	800	A 724	50-06-12			1220	1500	A 4940
47-02-11			267	500	A 360	50-06-26			282	300	A 228
47-03-14			302	600	A 489	50-07-10			7540	8100	A 165000
47-03-25			610	1600	A 2640	50-07-17			1590	4100	A 17600
47-04-09			1100	2900	A 8610	50-07-24			4100	6700	A 74200
47-04-24			1400	3700	A 14000	50-08-03			1350	2500	A 9110
47-04-30			2360	7800	A 49700	50-08-08			2140	4800	A 27700
47-05-18			6960	5200	A 97700	50-08-22			861	1900	A 4420
47-05-22			7090	5000	A 95700	50-09-06			2850	4200	A 32300
47-05-23			6050	6300	A 103000	50-09-18			3230	4100	A 35800
47-05-29			3690	5300	A 52800	50-10-05			2350	6700	A 42500
47-07-02			608	1300	A 2130	50-10-12			2270	3100	A 19000
47-10-09			72	200	A 39	50-10-27			536	1500	A 2170
48-01-19			64	500	A 86	50-11-10			336	300	A 272
48-02-17			103	400	A 111	50-12-07			83	100	A 22
48-03-04			1250	5400	A 18200	50-12-20			247	300	A 200
48-03-15			982	3600	A 9550	51-01-02			350	800	A 756
48-03-25			836	5300	A 12000	51-01-31			84	300	A 68
48-03-26			5480	11900	A 176000	51-02-19			917	500	A 1240
48-04-02			555	1800	A 2700	51-02-28			588	600	A 953
48-04-27			587	4000	A 6340	51-03-13			1010	1900	A 5180
48-05-26			942	4600	A 11700	51-03-29			512	400	A 553
48-06-03			944	3800	A 9690	51-04-09			351	400	A 379
48-06-17			159	400	A 172	51-04-23			692	1000	A 1870
48-06-22			25100	2800	A 190000	51-05-09			490	600	A 794
48-06-24			23000	3600	A 224000	51-05-22			4900	2600	A 34400
48-06-29			3970	5500	A 59000	51-05-29			2390	5900	A 38100
48-07-13			1610	1500	A 6520	51-06-12			4910	13400	A 178000
48-08-05			303	4100	A 3350	51-06-18			3340	4300	A 38800
48-10-05			113	400	A 122	51-07-05			3680	4900	A 48700
48-10-06			105	100	A 28	51-07-16			3580	7900	A 76400
48-10-13			96	400	A 104	51-08-01			1930	3600	A 18800
48-10-19			91	500	A 123	51-08-17			388	1200	A 1260
48-10-26			101	200	A 55	51-08-29			246	300	A 199
48-11-03			107	200	A 58	51-09-10			523	1000	A 1410
48-11-09			94	200	A 51	51-10-19			84	400	A 91
48-11-16			100	300	A 81	51-10-31			226	500	A 305
48-11-30			95	300	A 77	51-11-16			108	300	A 87
48-12-08			91	100	A 25	51-11-29			128	300	A 104
48-12-28			109	100	A 29	51-12-11			92	300	A 75
49-01-05			92	100	A 25	51-12-28			97	300	A 79
49-01-13			120	200	A 65	52-01-09			175	400	A 189
49-02-08			2260	530	A 3230	52-01-17			124	300	A 100
49-02-16			3710	7000	A 70100	52-01-30			95	400	A 103
49-02-24			5130	9000	A 125000	52-02-12			103	300	A 83
49-03-02			460	800	A 994	52-03-03			495	1700	A 2270
49-03-08			334	300	A 271	52-03-13			993	2600	A 6970
49-03-15			626	1100	A 1860	52-03-26			472	1300	A 1660
49-03-21			3070	10400	A 86200	52-04-07			299	500	A 404
49-03-29			581	900	A 1410	52-04-15			396	1100	A 1180
49-04-05			451	700	A 852	52-04-21			6410	6300	A 109000
49-04-12			1700	4300	A 19700	52-05-05			788	2700	A 5740
49-04-20			494	100	A 133	52-05-14			410	1500	A 1660
49-04-26			414	600	A 671	52-05-28			873	2800	A 6600
49-05-03			1280	4200	A 14500	52-06-11			253	200	A 137
49-05-10			746	2200	A 4430	52-06-24			111	400	A 120
49-05-20			13100	10500	A 371000	52-07-08			124	200	A 67
49-05-24			6680	7900	A 142000	52-08-04			72	300	A 58
49-06-01			4260	6300	A 72500	52-08-18			54	300	A 44
49-06-07			4080	6200	A 68300	52-09-04			27	300	A 22
49-06-17			4770	9100	A 117000	52-09-16			18	200	A 9.7
49-06-21			3900	6500	A 68400	52-10-02			18	200	A 9.7
49-06-29			2930	5600	A 44300	52-10-15			16	100	A 4.3
49-07-07			1730	2800	A 13100	52-10-27			23	300	A 19
49-07-12			546	1100	A 1620	52-11-10			28	200	A 15
49-07-26			1130	800	A 2440	52-11-24			96	300	A 78
49-08-09			378	300	A 306	52-12-09			52	200	A 28
49-08-24			187	300	A 151	52-12-23			69	200	A 37
49-09-07			191	400	A 206	53-01-06			50	300	A 40
49-09-21			293	900	A 712	53-01-20			46	300	A 37
49-10-04			728	1600	A 3140	53-02-03			58	300	A 47
49-10-19			116	200	A 63	53-02-19			56	200	A 30
49-11-01			136	500	A 184	53-03-04			242	700	A 457
49-11-15			201	200	A 109	53-03-16			88	400	A 95
49-11-29			226	100	A 61	53-03-23			182	400	A 197
49-12-29			192	400	A 207	53-04-02			213	900	A 518
50-01-10			1740	3500	A 16400	53-04-06			2620	400	A 2830
50-01-24			234	400	A 253	53-04-20			306	1300	A 1070
50-02-08			203	400	A 219	53-04-24			5020	6100	A 82700
50-02-13			3430	9600	A 88900	53-04-28			334	1300	A 1170
50-02-21			356	600	A 577	53-05-07			148	300	A 120
50-03-08			322	400	A 348	53-05-19			602	1400	A 2280
50-04-05			331	1000	A 894	53-06-01			97	200	A 52
50-04-18			169	400	A 183	53-06-18			46	100	A 12
50-05-02			134	100	A 36	53-06-25			60	200	A 32
50-05-10			10400	12500	A 351000	53-07-07			33	140	A 12
50-05-11			31900	16100	A 1390000	53-07-20			529	1160	A 1660
50-05-22			1220	800	A 2640	53-07-28			365	1240	A 1220
50-05-31			1150	1300	A 4040	53-08-06			260	1320	A 927

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

455

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
+++++						+++++						
53-08-11			92	210	A	56-10-29			7.0	90	A	1.7
53-08-19			365	1490	A	56-11-15			32	30	A	2.6
53-08-24			151	430	A	56-11-27			21	60	A	3.4
53-09-10			72	160	A	56-12-11			39	280	A	29
53-09-15			41	190	A	56-12-28			60	200	A	32
53-09-22			32	180	A	57-01-07			68	80	A	15
53-10-01			22	130	A	57-01-18			33	50	A	4.5
53-10-13			38	190	A	57-01-21			39	200	A	21
53-10-27			1400	3510	A	57-02-04			71	80	A	15
53-11-02			176	530	A	57-02-19			46	60	A	7.5
53-11-17			92	190	A	57-03-04			46	20	A	2.5
53-12-02			112	220	A	57-03-19			44	90	A	11
53-12-15			118	200	A	57-04-01			159	1220	A	524
53-12-28			101	170	A	57-04-02			750	4730	A	9580
54-01-14			92	160	A	57-04-03			10900	22600	A	665000
54-01-25			118	210	A	57-04-08			858	2200	A	5100
54-02-10			84	290	A	57-04-17			141	180	A	69
54-02-24			192	290	A	57-04-22			2920	4010	A	31600
54-03-11			73	250	A	57-05-02			961	1670	A	4330
54-03-25			95	190	A	57-05-14			6730	9880	A	180000
54-04-06			81	230	A	57-05-15			2670	8750	A	63100
54-04-19			88	540	A	57-05-16			1540	3630	A	15100
54-05-01			9440	25800	A	57-05-18			15900	14800	A	635000
54-05-05			1290	3190	A	57-05-23			8320	5080	A	114000
54-05-17			534	740	A	57-05-26			34400	7780	A	723000
54-06-01			302	790	A	57-06-03			8700	6550	A	154000
54-06-14			123	470	A	57-06-05			8850	6670	A	159000
54-06-28			74	150	A	57-06-19			10900	12700	A	374000
54-07-14			45	110	A	57-06-25			6960	4900	A	92100
54-07-21			363	1100	A	57-07-03			2050	3550	A	19600
54-08-09			22	130	A	57-07-15			1630	3180	A	14000
54-08-25			1.0	130	A	57-08-01			1730	2050	A	9580
54-10-19			4.0	170	A	57-08-13			1740	1940	A	9110
54-11-01			15	300	A	57-08-28			430	800	A	929
54-11-15			18	220	A	57-09-11			159	320	A	137
54-12-01			18	210	A	57-09-16			2780	7700	A	57800
54-12-15			34	180	A	57-09-23			1680	4340	A	19700
54-12-28			115	100	A	57-10-01			388	510	A	534
55-01-10			76	100	A	57-10-07			205	260	A	144
55-01-25			81	100	A	57-10-21			172	160	A	74
55-02-07			41	180	A	57-11-04			200	420	A	227
55-02-08			98	250	A	57-11-19			337	600	A	546
55-02-21			94	180	A	57-12-02			186	1140	A	573
55-03-21			324	1520	A	57-12-16			153	140	A	58
55-04-04			87	90	A	58-01-03			176	60	A	29
55-04-12			108	250	A	58-01-13			200	160	A	86
55-04-18			56	160	A	58-01-27			286	270	A	208
55-05-03			52	140	A	58-02-11			230	100	A	62
55-05-17			212	760	A	58-02-25			146	160	A	63
55-05-21			11300	4260	A	58-03-10			782	2150	A	4540
55-05-22			7080	7970	A	58-03-13			1840	4380	A	21800
55-05-23			3680	11100	A	58-03-18			744	970	A	1950
55-06-03			236	210	A	58-03-31			1840	4380	A	21800
55-06-10			192	170	A	58-04-15			927	1000	A	2500
55-06-22			1120	3190	A	58-04-28			833	1290	A	2900
55-06-27			1080	2760	A	58-05-14			526	1120	A	1590
55-07-05			390	710	A	58-05-26			279	660	A	497
55-07-18			330	760	A	58-06-11			158	220	A	94
55-08-15			81	180	A	58-06-22			2830	11800	A	90200
55-08-31			52	160	A	58-07-08			383	1590	A	1640
55-09-13			26	120	A	58-07-21			377	570	A	580
55-09-28			703	2910	A	58-08-08			1830	3580	A	17700
55-10-05			3940	6870	A	58-08-09			348	110	A	103
55-10-06			4550	5750	A	58-08-19			1040	2760	A	7750
55-10-07			3700	5610	A	58-08-21			12600	15800	A	538000
55-10-08			3830	6240	A	58-09-23			462	590	A	736
55-10-11			1500	2940	A	58-10-07			190	350	A	180
55-10-25			186	250	A	58-10-15			150	70	A	28
55-11-07			65	230	A	58-10-28			108	130	A	38
55-11-21			104	120	A	58-11-12			99	90	A	24
55-12-07			94	120	A	58-12-01			105	300	A	85
55-12-19			80	60	A	58-12-16			98	170	A	45
56-01-06			73	110	A	58-12-30			98	40	A	11
56-01-30			75	160	A	59-01-12			120	890	A	288
56-02-14			124	200	A	59-01-27			106	170	A	49
56-02-28			65	160	A	59-02-09			110	660	A	196
56-03-13			56	200	A	59-02-24			93	690	A	173
56-03-26			68	460	A	59-03-12			174	570	A	268
56-04-09			86	250	A	59-03-23			222	510	A	306
56-04-23			52	130	A	59-04-07			118	970	A	309
56-05-07			72	110	A	59-04-20			458	990	A	1220
56-05-22			56	110	A	59-05-04			174	220	A	103
56-06-05			222	690	A	59-05-11			6430	10900	A	189000
56-06-18			53	180	A	59-05-18			968	2120	A	5540
56-07-03			68	220	A	59-06-02			484	1050	A	1370
56-07-17			24	100	A	59-06-15			266	280	A	201
56-08-01			21	70	A	59-06-29			601	2090	A	3390
56-08-13			2.0	130	A	59-07-13			432	1580	A	1840
56-10-24			15	70	A	59-07-27			3280	4100	A	36300

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

			SUSPENDED SEDIMENT			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++																	
59-08-05			185	160	A	80	62-04-02		239	240	A	155					
59-08-17			132	190	A	68	62-04-16		296	470	A	376					
59-08-31			370	1900	A	1900	62-04-25		926	910	A	2280					
59-09-14			137	1800	A	666	62-05-01		582	1390	A	2180					
59-09-29			1140	4540	A	14000	62-05-15		165	30	A	13					
59-10-03			11000	11100	A	330000	62-06-01		630	2130	A	3620					
59-10-08			9930	1200	A	32200	62-06-03		4480	13800	A	167000					
59-10-12			2200	2920	A	17300	62-06-04		2910	4610	A	36200					
59-10-21			909	2560	A	6280	62-06-11		3460	8220	A	76800					
59-11-02			484	2410	A	3150	62-06-15		901	1790	A	4350					
59-11-16			476	640	A	823	62-06-21		1100	2670	A	7930					
59-12-04			259	260	A	182	62-07-02		730	1880	A	3710					
59-12-14			232	200	A	125	62-07-23		160	150	A	65					
59-12-28			1820	1770	A	8700	62-08-01		159	100	A	43					
60-01-20			759	980	A	2010	62-08-06		151	70	A	29					
60-02-01			472	330	A	421	62-08-20		66	60	A	11					
60-02-17			1490	2950	A	11900	62-09-04		123	770	A	256					
60-03-03			713	580	A	1120	62-09-17		404	1850	A	2020					
60-03-14			942	3240	A	8240	62-10-01		99	200	A	53					
60-03-28			550	350	A	520	62-10-15		71	140	A	27					
60-04-11			466	1220	A	1540	62-10-31		126	230	A	78					
60-04-25			408	560	A	617	62-11-13		117	190	A	60					
60-05-03			1240	1810	A	6060	62-11-27		357	1010	A	974					
60-05-05			5500	6410	A	95200	62-12-03		145	130	A	51					
60-05-07			11000	15600	A	463000	62-12-14		101	130	A	35					
60-05-17			594	550	A	882	62-12-20		372	830	A	834					
60-05-21			8020	4880	A	106000	63-01-03		107	130	A	38					
60-05-31			791	1330	A	2840	63-01-22		128	130	A	45					
60-06-13			988	1780	A	4750	63-02-08		120	40	A	13					
60-06-27			328	380	A	337	63-03-12		465	1450	A	1820					
60-07-12			192	210	A	109	63-03-25		102	90	A	25					
60-07-26			1460	4570	A	18000	63-03-31		1130	4790	A	14600					
60-08-01			300	2340	A	1900	63-04-28		2190	5670	A	33500					
60-08-16			147	150	A	60	63-04-30		753	1910	A	3880					
60-09-01			181	520	A	254	63-05-08		188	180	A	91					
60-09-14			93	60	A	15	63-05-20		138	140	A	52					
60-09-29			96	190	A	49	63-06-04		139	330	A	124					
60-10-04			92	920	A	229	63-07-01		119	110	A	35					
60-10-18			178	280	A	135	63-07-12		523	1570	A	2220					
60-10-24			434	1720	A	2020	63-07-31		873	2260	A	5330					
60-11-01			1950	7150	A	37600	63-09-11		55	90	A	13					
60-11-14			314	1020	A	865	63-11-26		111	430	A	129					
60-12-02			198	210	A	112	64-02-10		221	540	A	322					
60-12-12			684	890	A	1640	64-03-11		340	1670	A	1530					
60-12-19			312	1220	A	1030	64-03-20		133	390	A	140					
61-01-03			223	470	A	283	64-04-10		283	630	A	481					
61-01-19			145	140	A	55	64-04-22		188	300	A	152					
61-01-30			182	120	A	59	64-05-04		135	330	A	120					
61-02-01			278	280	A	210	64-05-12		4850	8150	A	107000					
61-02-09			236	1300	A	828	64-05-13		1720	3690	A	17100					
61-02-21			601	2970	A	4820	64-05-18		386	380	A	396					
61-02-27			250	370	A	250	64-05-26		164	90	A	40					
61-03-08			350	1320	A	1250	64-06-08		173	80	A	37					
61-03-20			264	300	A	214	64-06-17		212	620	A	355					
61-03-30			1470	2240	A	8890	64-06-24		316	1120	A	956					
61-04-04			861	2750	A	6390	64-08-18		2140	4620	A	26700					
61-04-19			431	940	A	1090	64-08-19		641	2060	A	3570					
61-05-01			230	2570	A	1600	64-09-02		191	710	A	366					
61-05-05			4390	4410	A	52300	64-09-23		744	2010	A	4040					
61-05-15			559	800	A	1210	64-09-28		338	490	A	447					
61-05-24			781	2070	A	4370	64-11-12		166	180	A	81					
61-06-07			264	690	A	492	64-11-18		6380	11900	A	205000					
61-06-15			1310	3170	A	11200	64-11-20		4600	5570	A	69200					
61-06-28			569	2690	A	4130	64-11-30		291	190	A	149					
61-07-11			303	670	A	548	64-12-09		178	90	A	43					
61-07-21			277	580	A	434	64-12-29		150	70	A	28					
61-07-24			2110	4650	A	26500	65-01-07		257	610	A	423					
61-08-02			259	240	A	168	65-01-15		314	510	A	432					
61-08-07			184	190	A	94	65-01-26		541	970	A	1420					
61-08-21			229	710	A	439	65-02-15		252	230	A	156					
61-09-05			245	800	A	529	65-03-03		137	200	A	74					
61-09-13			5180	7500	A	105000	65-03-15		215	110	A	64					
61-09-20			746	2290	A	4610	65-03-30		143	140	A	54					
61-10-03			506	1420	A	1940	65-04-07		417	1010	A	1140					
61-10-18			419	1180	A	1330	65-04-15		1410	2230	A	8490					
61-11-01			230	410	A	255	65-04-22		259	370	A	259					
61-11-14			464	830	A	1040	65-05-04		139	120	A	45					
61-11-28			538	980	A	1420	65-05-10		1060	3310	A	9470					
61-12-13			510	1000	A	1380	65-05-19		250	680	A	459					
61-12-27			432	440	A	513	65-05-25		135	120	A	44					
62-01-12			243	360	A	236	65-06-02		159	220	A	94					
62-01-16			460	2160	A	2680	65-06-23		418	1660	A	1870					
62-01-23			100	120	A	32	65-09-01		171	580	A	268					
62-01-25			481	1800	A	2340	65-09-22		276	1120	A	835					
62-02-06			230	490	A	304	65-09-23		593	2100	A	3360					
62-02-20			412	370	A	412	65-09-29		1080	1900	A	5540					
62-03-01			334	230	A	207	65-10-05		681	1150	A	2110					
62-03-13			216	50	A	29	65-10-18		190	280	A	144					
62-03-28			381	540	A	555	65-11-03		297	400	A	321					

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

457

			SUSPENDED SEDIMENT			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++																	
65-11-17			187	240	A	121			2440	2720	A	17900					
65-12-01			111	10	A	3.0			696	710	A	1330					
65-12-29			394	1160	A	1230			728	1320	A	2590					
66-01-03			197	720	A	383			2240	3610	A	21800					
66-01-19			105	50	A	14			2660	3770	A	27100					
66-02-03			130	90	A	32			3510	2720	A	25800					
66-02-16			179	310	A	150			3130	3610	A	30500					
66-02-28			282	250	A	190			3020	2600	A	21200					
66-03-16			568	1070	A	1640			1770	1390	A	6640					
66-03-29			222	260	A	156			818	520	A	1150					
66-04-14			123	70	A	23			530	360	A	515					
66-04-25			552	1730	A	2580			1170	1330	A	4200					
66-04-28			1070	1780	A	5140			1130	880	A	2680					
66-05-02			762	1140	A	2350			285	150	A	115					
66-05-19			204	1350	A	744			239	1220	A	787					
66-05-31			124	370	A	124			141	190	A	72					
66-06-14			127	200	A	69			172	150	A	70					
66-07-25			3860	3730	A	38900			2550	3660	A	25200					
66-07-26			1400	2100	A	7940			1040	2620	A	7360					
66-08-01			113	150	A	46			148	100	A	40					
66-08-15			228	740	A	456			101	340	A	93					
66-08-22			847	2580	A	5900			109	280	A	82					
66-08-30			415	1730	A	1940			142	80	A	31					
66-09-01			3330	3060	A	27500			100	60	A	16					
66-09-02			1480	1580	A	6310			242	270	A	176					
66-09-06			336	760	A	689			122	100	A	33					
66-09-21			173	250	A	117			238	190	A	122					
66-10-03			122	160	A	53			112	130	A	39					
67-04-10			100	80	A	22			1520	1720	A	7060					
67-04-11			119	110	A	35			814	1330	A	2920					
67-04-13			9400	5900	A	150000			303	270	A	221					
67-04-14			7470	4980	A	100000			9570	4600	A	119000					
67-04-18			1040	1410	A	3960			2100	3010	A	17100					
67-04-21			1140	1360	A	4190			304	200	A	164					
67-04-26			492	1350	A	1790			172	170	A	79					
67-05-09			382	690	A	712			2910	3620	A	28400					
67-05-23			283	510	A	390			2840	3020	A	23200					
67-06-08			131	220	A	78			532	400	A	575					
67-07-11			95	160	A	41			246	270	A	179					
67-09-11			138	350	A	130			124	200	A	67					
67-10-17			189	420	A	214			879	4310	A	10200					
67-10-31			472	550	A	701			7810	6010	A	127000					
68-01-18			45	470	A	57			7290	14900	A	293000					
68-01-30			1530	3070	A	12700			3590	2850	A	27600					
68-01-31			914	1970	A	4860			1290	2550	A	8880					
68-02-02			1170	1520	A	4800			1830	2840	A	14000					
68-02-06			230	260	A	161			7800	8850	A	186000					
68-02-23			127	80	A	27			1710	1560	A	7200					
68-03-05			120	80	A	26			4650	2870	A	36000					
68-03-13			401	420	A	455			5940	3850	A	61700					
68-03-20			2190	2250	A	13300			517	130	A	181					
68-03-21			3740	2950	A	29800			647	770	A	1350					
68-03-22			2130	1490	A	8570			276	20	A	15					
68-03-25			648	510	A	892			218	220	A	129					
68-04-02			886	1040	A	2490			223	100	A	60					
68-04-08			274	260	A	192			210	90	A	51					
68-04-22			2710	3810	A	27900			178	110	A	53					
68-04-29			395	420	A	448			401	380	A	411					
68-05-14			10500	2900	A	82200			298	130	A	105					
68-05-15			5000	1660	A	22400			192	180	A	93					
68-05-16			1630	1180	A	5190			108	80	A	23					
68-05-20			723	530	A	1030			491	850	A	1130					
68-05-27			4000	2150	A	23200			348	330	A	310					
68-06-03			1520	2010	A	8250			203	50	A	27					
68-06-17			597	1190	A	1920			168	20	A	9.1					
68-06-26			4980	3570	A	48000			141	40	A	15					
68-07-02			1380	1610	A	6000			155	200	A	84					
68-07-16			209	2790	A	1570			241	380	A	247					
68-07-31			258	500	A	348			137	110	A	41					
68-08-12			185	280	A	140			115	130	A	40					
68-08-26			114	1220	A	376			1810	4430	A	21600					
68-09-10			208	5000	A	2810			748	1560	A	3150					
68-10-07			175	480	A	227			380	290	A	298					
68-10-22			151	900	A	367			173	140	A	65					
68-11-05			920	1080	A	2680			155	90	A	38					
68-11-18			1130	980	A	2990			166	130	A	58					
68-11-27			1810	1510	A	7380			113	130	A	40					
68-11-29			2890	3070	A	24000			246	620	A	412					
68-12-04			457	450	A	555			113	100	A	31					
68-12-17			334	250	A	225			211	610	A	348					
68-12-30			813	860	A	1890			1580	3290	A	14000					
69-01-07			352	170	A	162			142	120	A	46					
69-01-20			308	130	A	108			7190	7500	A	146000					
69-01-30			7100	7480	A	143000			2740	3210	A	23700					
69-02-04			649	870	A	1520			263	290	A	206					
69-02-17			1490	3850	A	15500			135	50	A	18					
69-02-24			1520	3330	A	13700			128	50	A	17					
69-03-10			1060	8600	A	24600			158	120	A	51					
69-03-24			4350	5850	A	68700			610	3360	A	5530					

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-12-15			10300	7780	A 216000	74-06-03			523	790	A 1120
71-12-21			526	450	A 639	74-06-07			6900	8300	A 155000
72-01-05			249	120	A 81	74-06-10			7270	3340	A 65600
72-01-13			196	140	A 74	74-06-11			3580	2690	A 26000
72-01-24			202	60	A 33	74-06-25			458	260	A 322
72-01-31			186	120	A 60	74-08-07			119	320	A 103
72-02-14			254	80	A 55	74-08-19			779	250	A 526
72-02-24			171	50	A 23	74-09-03			2330	3980	A 25000
72-03-01			161	100	A 43	74-09-17			967	6860	A 17900
72-03-15			333	1560	A 1400	74-09-25			625	480	A 810
72-03-20			142	110	A 42	74-10-09			750	1800	A 3640
72-03-30			204	130	A 72	74-10-21			343	190	A 176
72-04-10			161	50	A 22	74-10-31			10600	5210	A 149000
72-04-21			3960	3100	A 33100	74-11-01			7650	3830	A 79100
72-04-24			412	500	A 556	74-11-05			6500	4870	A 85500
72-05-01			1070	1470	A 4250	74-11-12			3280	2530	A 22400
72-05-10			352	600	A 570	74-11-21			1350	3390	A 12400
72-05-15			779	1360	A 2860	74-12-10			608	300	A 492
72-05-30			153	100	A 41	74-12-23			630	400	A 680
72-06-26			152	80	A 33	75-01-06			1370	1010	A 3740
72-07-05			951	1760	A 4520	75-01-20			491	210	A 278
72-07-14			153	290	A 120	75-02-04			2380	3100	A 19900
72-10-24			258	1690	A 1180	75-02-18			861	480	A 1120
72-10-31			4940	3840	A 51200	75-02-25			2380	2530	A 16300
72-11-01			12000	4770	A 155000	75-03-12			1280	1430	A 4940
72-11-02			10900	4640	A 137000	75-03-19			3180	2510	A 21600
72-11-03			2440	1740	A 11500	75-03-24			927	1240	A 3100
72-11-06			1040	3940	A 11100	75-03-28			7550	5550	A 113000
72-11-13			4520	4090	A 49900	75-03-31			1880	1730	A 8780
72-11-14			2210	2700	A 16100	75-04-14			876	560	A 1320
72-11-20			1100	3880	A 11500	75-05-05			1370	1650	A 6100
72-11-29			308	80	A 67	75-05-14			5600	3980	A 60200
72-12-19			248	40	A 27	75-05-22			1100	1120	A 3330
73-01-03			4380	2860	A 33800	75-05-24			5650	3800	A 58000
73-01-16			1020	540	A 1490	75-06-03			1900	2030	A 10400
73-01-24			598	320	A 517	75-06-19			2960	4440	A 35500
73-01-29			808	480	A 1050	75-06-23			1650	2530	A 11300
73-02-13			514	130	A 180	75-07-08			530	320	A 458
73-02-26			304	40	A 33	75-07-28			2240	2320	A 14000
73-03-05			1690	1900	A 8670	75-08-04			1960	1970	A 10400
73-03-07			5390	7820	A 114000	75-08-19			821	430	A 953
73-03-12			3030	2740	A 22400	75-09-04			289	160	A 125
73-03-20			815	420	A 924	75-09-16			393	300	A 318
73-03-26			4200	10300	A 117000	75-10-02			202	100	A 55
73-04-02			2400	2030	A 13200	75-10-16			196	130	A 69
73-04-12			1150	620	A 1930	75-10-28			199	70	A 38
73-04-16			8920	7810	A 188000	75-12-08			210	340	A 193
73-04-17			4710	3890	A 49500	75-12-22			258	70	A 49
73-04-22			7290	4570	A 90000	76-01-06			258	110	A 77
73-04-23			6570	3590	A 63700	76-01-20			180	70	A 34
73-04-24			3540	3180	A 30400	76-02-03			140	40	A 15
73-04-30			1710	1440	A 6650	76-02-17			181	290	A 142
73-05-07			2900	2040	A 16000	76-03-01			177	60	A 29
73-05-24			1160	450	A 1410	76-03-15			418	400	A 451
73-06-01			2480	2000	A 13400	76-03-30			252	100	A 68
73-06-04			10600	7700	A 220000	76-04-15			286	180	A 139
73-06-05			12300	2740	A 91000	76-04-20			5660	5070	A 77500
73-06-06			7650	5870	A 121000	76-04-21			5500	5630	A 83600
73-06-07			5090	2180	A 30000	76-04-26			471	670	A 852
73-06-11			2150	1260	A 7310	76-05-10			252	160	A 109
73-07-02			2030	1940	A 10600	76-05-13			1680	2450	A 11100
73-07-03			1010	1010	A 2750	76-05-25			223	120	A 72
73-07-11			386	140	A 146	76-06-08			380	230	A 236
73-08-06			326	80	A 70	76-06-21			200	110	A 59
73-08-21			144	140	A 54	76-07-12			161	90	A 39
73-09-05			576	5710	A 8880	76-07-29			120	100	A 32
73-09-14			3900	3580	A 37700	76-09-20			227	210	A 129
73-09-20			424	600	A 687	76-10-08			132	120	A 43
73-09-28			2850	2620	A 20200	76-11-02			123	300	A 100
73-10-12			2790	2220	A 16700	77-01-24			159	130	A 56
73-10-15			1660	1840	A 8250	77-02-02			122	80	A 26
73-10-30			381	130	A 134	77-02-15			141	70	A 27
73-11-12			266	130	A 93	77-02-28			103	150	A 42
73-11-21			3500	2610	A 24700	77-03-14			113	60	A 18
73-11-26			10600	3360	A 96200	77-03-28			621	1300	A 2180
73-12-11			553	310	A 463	77-11-09	1120		104	70	A 20
73-12-18			429	100	A 116	78-01-06	1315		83	37	8.3
74-01-22			311	110	A 92	78-02-07	1515		96	53	14
74-02-06			242	40	A 26	78-02-27	1120		175	110	A 52
74-02-19			491	480	A 636	78-03-08	1230		533	696	1000
74-02-27			513	780	A 1080	78-03-09	1130		441	540	A 643
74-03-11			612	920	A 1520	78-03-21	1400		199	160	A 86
74-03-27			579	300	A 469	78-03-21	1500		188	160	A 81
74-04-12			747	580	A 1170	78-04-05	1900		156	111	A 47
74-04-22			419	330	A 373	78-05-03	1430		854	2200	5070
74-05-01			1220	1990	A 6560	78-07-06	1300		328	367	325
74-05-08			1140	1320	A 4060	78-08-16	0945		89	52	12
74-05-16			570	370	A 569	78-09-06	1200		26	44	3.1
74-05-22			367	400	A 396	78-10-04	1330		215	103	60

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.--CONTINUED

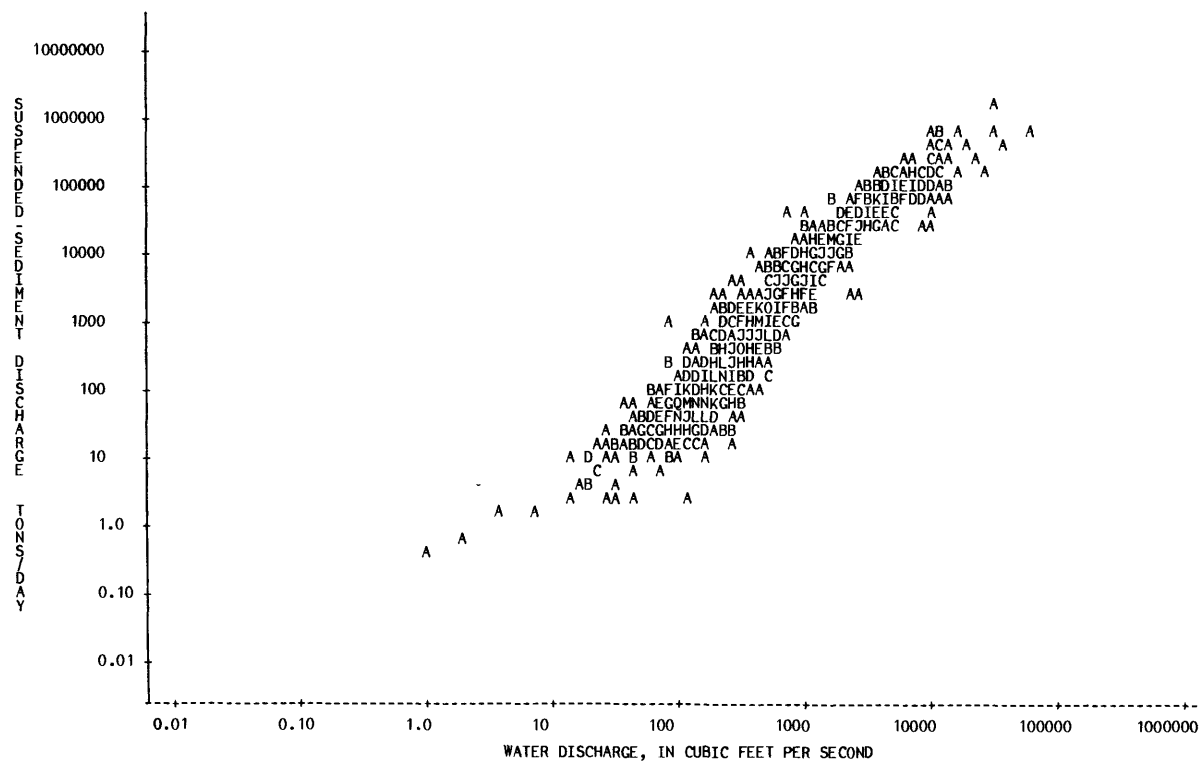
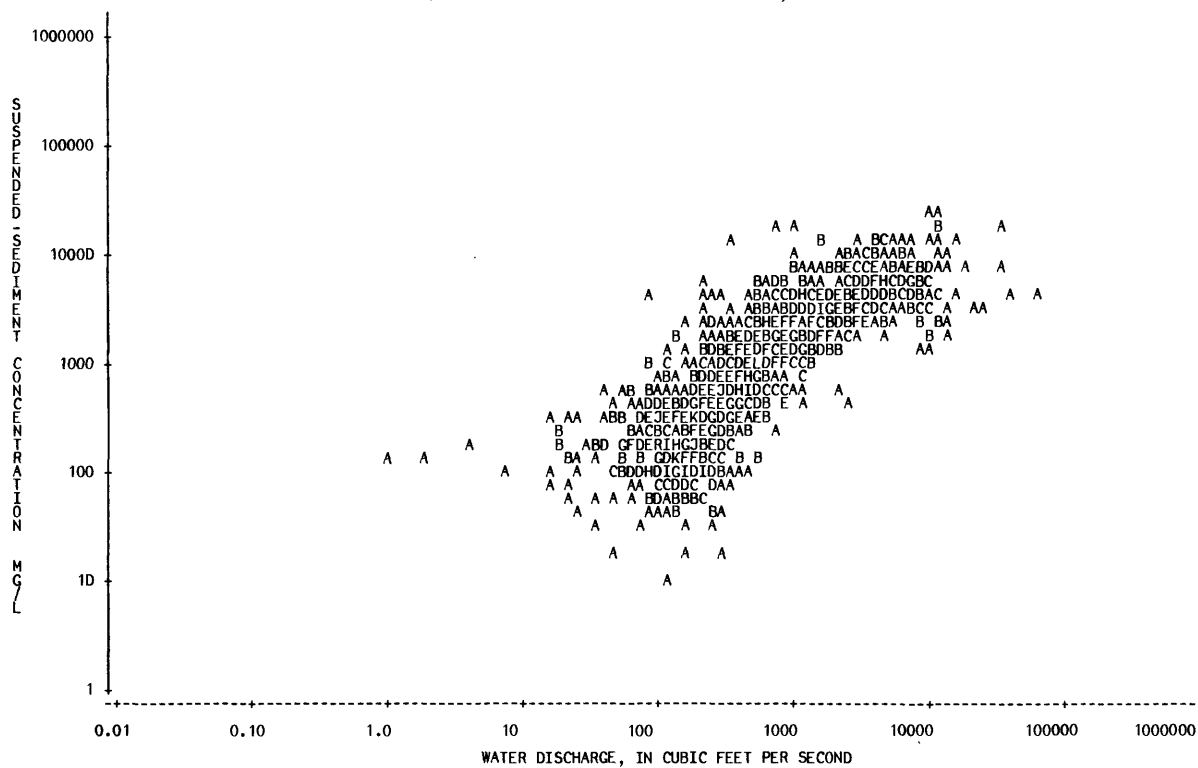
459

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-16		0830	132	67	24
78-12-15		1415	118	110	35
79-01-09		1545	71	33	6.3
79-02-27		1715	153	173	71
79-04-02		1600	431	1360	1580
79-05-02		1630	241	372	242
79-06-05		1435	258	84	59
79-07-02		1430	842	428	973
79-08-28		1610	339	429	393
79-09-11		1445	251	81	55
79-10-02		1400	153	141	58
79-11-05		1230	234	350	221
79-12-04		1100	209	116	65
80-01-09		1130	162	181	79
80-02-03		0900	3030	3240	26500
80-02-13		1330	578	742	1160
80-03-04		1045	260	36	25
80-04-14		1400	248	126	84
80-05-06		1645	754	940	1910
80-06-09		1430	1240	3860	12900
80-08-06		1330	89	3720	894
80-09-17		1030	40	508	55

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 \* = MEAN DAILY DISCHARGE  
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07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OKLA.





## ARKANSAS RIVER BASIN

07243000 DRY CREEK NEAR KENDRICK, OKLA.

LOCATION.--Lat 35°46'55", long 96°51'20", in NW 1/4 NW 1/4 sec.14, T.15 N., R.4 E., Lincoln County, Hydrologic Unit 1110D303, near left bank on downstream side of county road bridge, 1.0 mi (1.6 km) downstream from Beaver Creek and 4.5 mi (7.2 km) west of Kendrick.

DRAINAGE AREA.--69.0 mi<sup>2</sup> (178.7 km<sup>2</sup>).

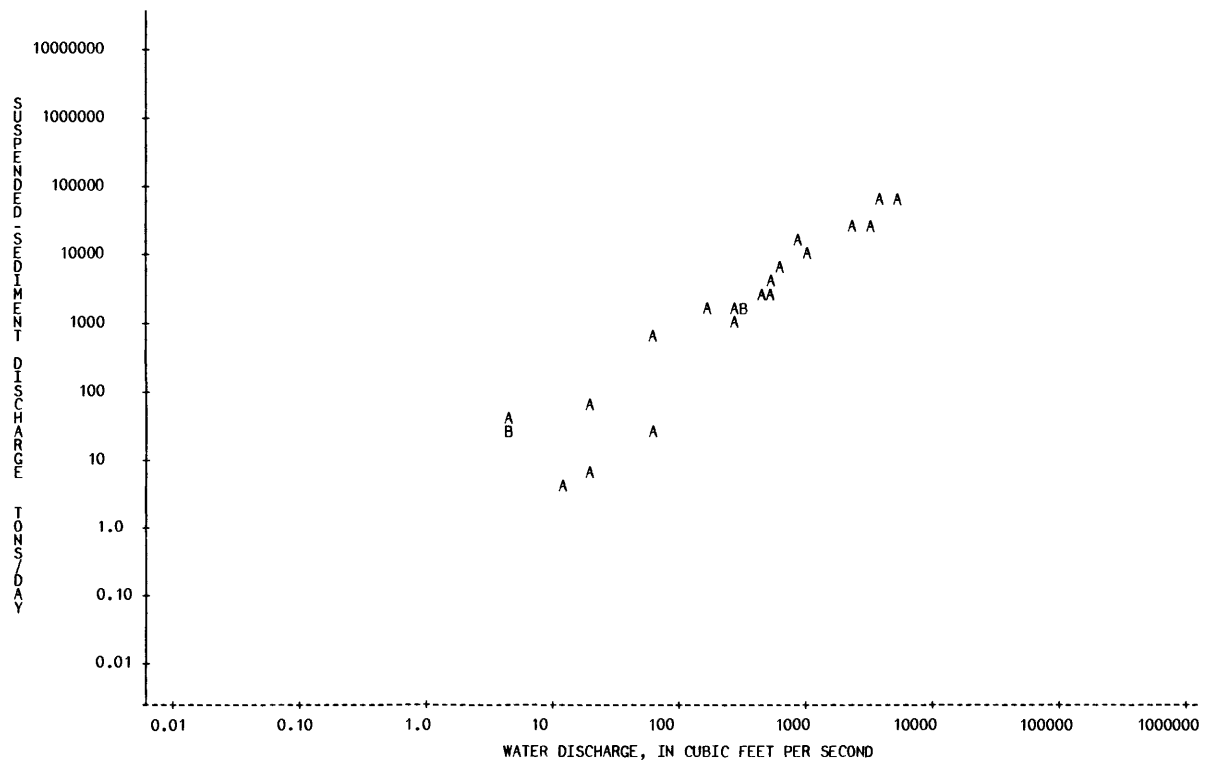
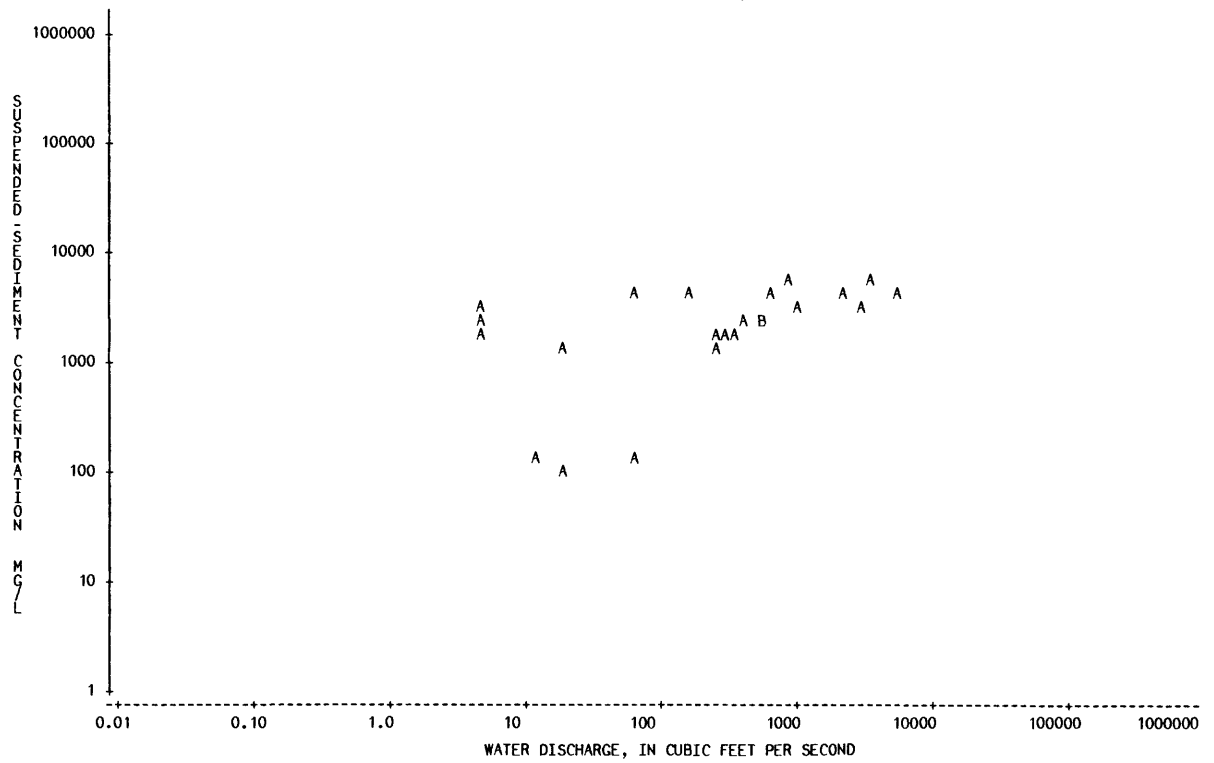
PERIOD OF RECORD.--Water years 1966-68, 1970-71, 1973-74.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
66-02-28		1515	60	149	24						
66-08-19		1230	251	*	2060						
67-04-13		1413	417	*	2190						
67-04-19		1610	2130		4670						
67-04-19		1826	995	*	3290						
67-04-19		2030	535	*	2670						
67-04-19		2243	332	*	1570						
67-05-06		1047	513	*	2240						
67-05-06		1410	310	*	1820						
67-05-20		1300	156	*	4430						
67-05-20		1520	879		5810						
67-05-20		1728	600	*	4400						
68-05-24		1215	20		1380						
70-04-01		1030	11		135						4.0
70-04-18		1545	20		102						5.5
70-04-30		1158	4.6		3340						41
70-04-30		1344	4.6		2400						30
70-04-30		1610	4.4		1820						22
70-09-23		1100	260		1440						1010
71-07-01		1230	62		4160						696
73-03-10		1250	3490		6090						57400
73-03-10		1438	3000		3060						24800
74-06-08		1255	5330		4410						63500

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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0724-3000 DRY CREEK NEAR KENDRICK, OKLA.



## ARKANSAS RIVER BASIN

07243500 DEEP FORK NEAR BEGGS, OKLA.

LOCATION.--Lat 35°40'31", long 96°03'55", NW 1/4 SW 1/4 sec.20, T.14 N., R.12 E., Okmulgee County, Hydrologic Unit 11100303, on right bank 1,000 ft (305 m) downstream from county road bridge, 2.8 mi (4.5 km) upstream from Adams Creek, 4.0 mi (6.4 km) south of Beggs, 8.2 mi (13.2 km) downstream from Flat Rock (Checkerboard) Creek, and at mile 84.8 (136.4 km).

DRAINAGE AREA.--2,018 mi<sup>2</sup> (5,277 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1939-50, 1953, 1955-56, 1968, 1978-80.

REMARKS.--Initial upstream floodwater-retarding structure was completed in February 1960. Construction is continuing with 372 mi<sup>2</sup> (963 km<sup>2</sup>) currently controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-07-18			36	100	A 9.7	44-07-18			62	300	A 50
39-07-31			55	100	A 15	44-07-25			87	200	A 47
39-08-28			258	800	A 557	44-08-01			96	600	A 156
40-05-01			2760	1100	A 8200	44-08-08			18	1000	A 49
40-05-02			2170	1000	A 5860	44-08-21			11	100	A 3.0
40-07-22			1010	1500	A 4090	44-08-30			111	800	A 240
40-07-23			724	2500	A 4890	44-09-14			24	100	A 6.5
40-08-20			1160	2900	A 9080	44-10-06			1480	1900	A 7590
40-09-12			2680	600	A 4340	44-10-11			190	500	A 256
41-04-23			16400	1700	A 75300	44-10-18			65	600	A 105
41-05-10			11000	1000	A 29700	44-10-31			17	100	A 4.6
41-08-29			304	700	A 575	44-11-15			639	1700	A 2930
41-09-10			3400	700	A 6430	44-11-29			239	1300	A 839
41-10-14			2900	400	A 3130	44-12-19			91	1900	A 467
41-10-23			3830	700	A 7240	45-01-03			64	200	A 35
41-10-28			2750	500	A 3710	45-01-16			47	100	A 13
41-12-16			1640	400	A 1770	45-01-29			70	200	A 38
42-04-30			5540	600	A 8970	45-01-31			79	200	A 43
42-05-11			960	800	A 2070	45-02-14			55	300	A 45
42-06-10			1830	1800	A 9890	45-02-22			1100	1100	A 3270
42-06-26			16200	1000	A 43700	45-03-06			3280	500	A 4430
42-07-06			2490	700	A 4710	45-03-13			2620	800	A 5660
42-10-27			180	300	A 146	45-03-16			6840	1100	A 20300
42-10-30			4040	1000	A 10900	45-04-03			1110	500	A 1500
43-01-06			350	100	A 94	45-04-26			3160	600	A 5120
43-02-04			663	500	A 895	45-05-01			2460	400	A 2660
43-03-31			2260	200	A 1220	45-05-16			2140	1500	A 8670
43-04-10			400	100	A 108	45-06-14			3990	1000	A 10800
43-04-17			877	300	A 710	45-06-16			3760	1200	A 12200
43-04-21			827	500	A 1120	45-06-18			8370	800	A 18100
43-04-30			168	300	A 136	45-06-30			2980	500	A 4020
43-06-03			3670	600	A 5950	45-07-14			2090	500	A 2820
43-06-11			630	800	A 1360	45-07-26			112	200	A 60
43-06-28			122	400	A 132	45-08-07			97	1200	A 314
43-07-16			47	300	A 38	45-08-21			192	400	A 207
43-07-27			41	600	A 66	45-09-07			24	200	A 13
43-10-05			191	200	A 103	45-09-17			22	100	A 5.9
44-01-05			82	300	A 66	45-10-16			223	200	A 120
44-02-04			104	200	A 56	45-11-06			98	100	A 26
44-02-18			225	200	A 121	45-11-20			92	200	A 50
44-03-29			347	200	A 187	45-12-04			91	300	A 74
44-04-28			187	400	A 202	45-12-18			92	500	A 124
44-05-06			2800	1100	A 8320	46-01-16			764	300	A 619
44-05-10			4090	1000	A 11000	46-01-28			233	200	A 126
44-05-12			4210	1200	A 13600	46-04-24			2330	1400	A 8810
44-05-25			2060	700	A 3890	46-06-26			1390	10700	A 40200
44-05-29			3660	200	A 1980	47-02-17			70	200	A 38
44-06-10			1920	2400	A 12400	47-02-25			59	400	A 64
44-06-16			1790	1300	A 6280	47-03-20			104	400	A 112
44-06-23			465	600	A 753	47-04-02			59	300	A 48
44-06-30			91	300	A 74	47-06-13			359	1000	A 969
44-07-07			92	300	A 75	47-07-10			365	400	A 394
44-07-12			196	200	A 106	47-10-22			31	500	A 42

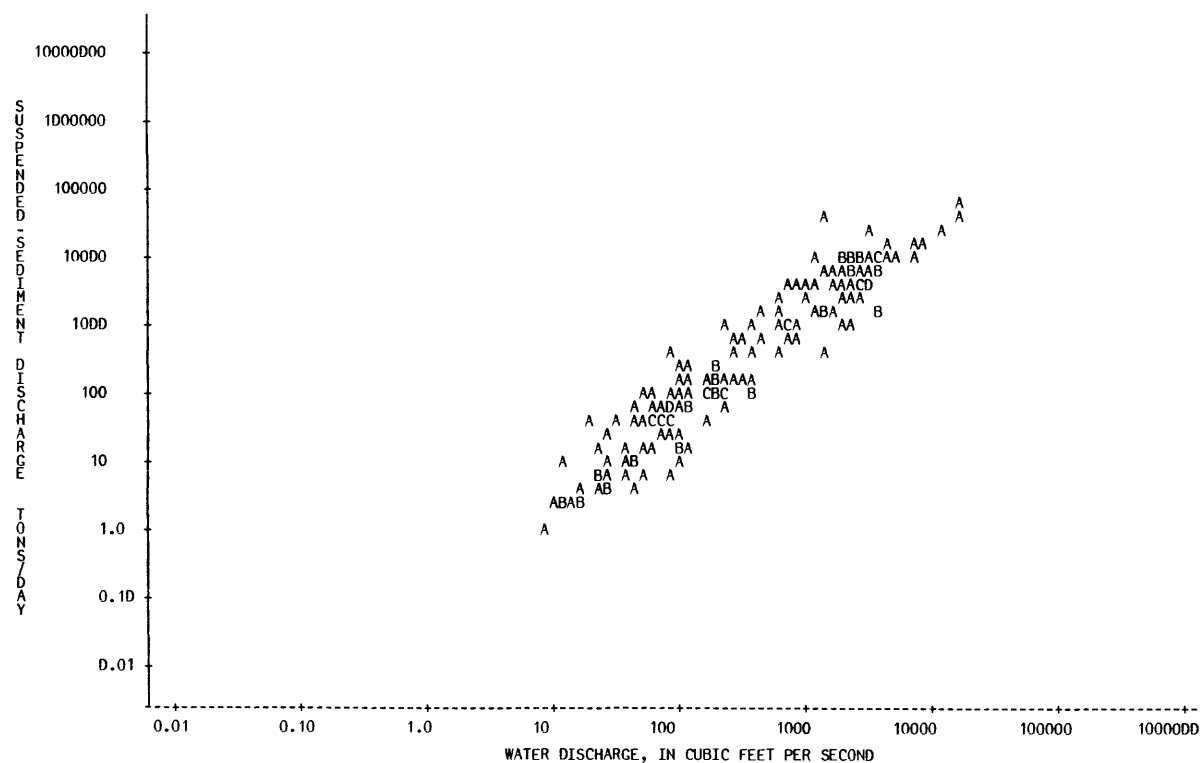
\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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## ARKANSAS RIVER BASIN

07243500 DEEP FORK NEAR BEGGS, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-05-26			837	1900	A 4290						
48-07-16			6730	500	A 9090						
49-02-09			2250	700	A 4250						
49-03-02			1940	200	A 1050						
49-03-16			230	100	A 62						
49-03-30			582	300	A 471						
49-04-13			1410	400	A 1520						
49-04-27			172	100	A 46						
49-05-11			3050	400	A 3290						
50-07-03			66	100	A 18						
53-04-10			1570	1100	A 4660						
55-05-20			2990	2600	A 21000						
55-05-21			3130	1300	A 11000						
56-05-29			251	600	A 407						
68-03-21			1320	110	A 392						
78-01-06	0900		29	47	3.7						
78-02-07	0900		46	29	3.6						
78-03-08	0900		689	675	1260						
78-04-06	1115		117	278	88						
78-05-03	0900		1720	1460	6780						
78-07-05	1530		162	189	83						
78-08-07	1225		43	100	A 12						
78-08-15	1515		14	57	2.2						
78-09-05	1500		9.1	48	1.2						
78-09-15	1230		9.3	110	A 2.8						
78-10-04	1030		23	81	5.0						
78-11-15	1230		39	160	17						
78-12-15	1315		29	266	21						
79-01-09	1245		12	318	10						
79-02-27	1245		68	190	35						
79-03-15	1130		56	570	86						
79-05-02	1245		470	1470	1870						
79-06-05	1030		216	322	188						
79-07-02	1100		1290	459	1600						
79-08-28	1020		77	252	52						
79-09-11	1046		156	240	A 101						
79-09-11	1130		155	264	110						
79-10-02			26	80	A 5.6						
79-10-02	1230		26	174	12						
79-11-06	1237		36	70	A 6.8						
79-11-14	1030		26	59	4.1						
79-12-10	1130		83	106	24						
79-12-12	1127		70	120	A 23						
80-01-11	1100		98	60	A 16						
80-01-14	1145		93	45	11						
80-02-12	1200		116	176	55						
80-03-06	1430		89	32	7.7						
80-03-18	1022		100	60	A 16						
80-04-04	1352		312	210	A 177						
80-04-12	1230		126	60	20						
80-05-09	1200		769	511	1060						
80-05-09	1250		750	420	A 850						
80-05-19	1330		2420	990	A 6470						
80-06-09	1610		3560	180	A 1730						
80-06-17	1000		256	280	194						
80-07-17	1511		50	52	7.0						
80-08-22	1230		16	64	2.8						
80-08-25	1620		11	70	A 2.1						
80-09-26	1230		16	61	2.6						

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07244000 DEEP FORK NEAR DEWAR, OKLA.

LOCATION.--Lat 35°28'50", long 95°52'50", SE 1/4 sec.25, T.12 N., R.13 E., Okmulgee County, Hydrologic Unit 11100303, at bridge on U.S. Highway 266, 3.2 mi (5.2 km) upstream from Wolf Creek, 3.5 mi (5.6 km) east of Dewar, and at mile 43.9 (70.6 km).

DRAINAGE AREA.--2,307 mi<sup>2</sup> (5,975 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-50, 1961-65.

REMARKS.--Extreme low flow sustained by sewage from Okmulgee or by leakage from Lake Okmulgee on Salt Creek. Initial upstream floodwater retarding structure was completed in February 1960. Construction is continuing with 412 mi<sup>2</sup> (1,067 km<sup>2</sup>) currently controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-24			354	200	A 191	41-06-17			10800	1000	A 29200
39-07-31			89	400	A 96	41-06-20			6150	600	A 9960
40-04-12			1620	2300	A 10100	41-06-23			674	900	A 1640
40-04-14			1720	3800	A 17600	41-07-10			945	800	A 2040
40-04-15			1470	2800	A 11100	41-07-15			256	200	A 138
40-04-19			446	1000	A 1200	41-09-09			2280	2500	A 15400
40-05-01			2930	2100	A 16600	41-09-10			2780	1900	A 14300
40-05-02			2670	1400	A 10100	41-09-12			2910	800	A 6290
40-05-04			1390	1200	A 4500	41-09-13			3160	800	A 6830
40-05-05			576	1200	A 1870	41-09-15			3360	900	A 8160
40-05-06	1300		291	600	A 471	41-09-19			2730	3000	A 22100
40-05-06	1900		259	800	A 559	41-09-20			884	3700	A 8830
40-05-07			199	500	A 269	41-09-23			153	400	A 165
40-05-08			138	300	A 112	41-10-06			5540	600	A 8970
40-05-14			241	700	A 455	41-10-08			6250	700	A 11800
40-06-19			80	300	A 65	41-10-10			8740	600	A 14200
40-07-06			1310	3200	A 11300	41-10-13			6350	600	A 10300
40-07-08			1230	1700	A 5650	41-10-17			10300	400	A 11100
40-07-16			213	500	A 288	41-10-20			8270	400	A 8930
40-07-29			258	1500	A 1040	41-10-22			7090	500	A 9570
40-08-19			1260	1600	A 5440	41-10-24			5990	500	A 8090
40-09-03			754	1100	A 2240	41-11-04			23800	500	A 32100
40-09-05			4040	1200	A 13100	41-11-05			24200	800	A 52300
40-09-06			4040	700	A 7640	41-11-13			3700	400	A 4000
40-09-07			4020	900	A 9770	41-11-14			1260	700	A 2380
40-09-09			4160	400	A 4490	41-11-15			876	700	A 1660
40-09-12			2700	600	A 4370	41-11-21			2040	800	A 4410
40-09-14			1760	600	A 2850	41-12-02			1980	600	A 3210
40-09-17			186	400	A 201	42-02-18			1670	700	A 3160
40-11-25			2230	1600	A 9630	42-04-02			127	100	A 34
40-11-30			3200	700	A 6050	42-04-09			5590	1200	A 18100
40-12-03			3700	800	A 7990	42-04-18			7030	800	A 15200
40-12-09			318	400	A 343	42-04-21			5940	800	A 12800
40-12-18			585	900	A 1420	42-04-25			27400	1300	A 96200
41-01-07			222	100	A 60	42-05-04			5450	400	A 5890
41-01-20			263	400	A 284	42-05-16			463	600	A 750
41-02-04			2020	1000	A 5450	42-06-12			2300	2300	A 14300
41-02-21			849	300	A 688	42-06-16			4800	1200	A 15600
41-03-04			347	200	A 187	42-06-22			6130	8300	A 137000
41-04-16			1350	1400	A 5100	42-06-29			11800	700	A 22300
41-04-20			7050	900	A 17100	42-07-08			2320	500	A 3130
41-04-24			12160	1400	A 46000	42-09-05			2050	1200	A 6640
41-04-25			10400	1400	A 39300	42-09-25			1300	700	A 2460
41-04-27			7490	700	A 14200	42-10-03			799	500	A 1080
41-04-28			6390	600	A 10400	42-10-23			1250	800	A 2700
41-04-29	0001		5370	600	A 8700	43-02-05			836	300	A 677
41-04-29	0002		4470	600	A 7240	43-06-23			265	700	A 501
41-04-30			2790	600	A 4520	43-06-30			172	300	A 139
41-05-08			2900	1100	A 8610	43-07-08			104	400	A 112
41-05-12			4550	1000	A 12300	43-07-15			67	300	A 54
41-05-13			5070	800	A 11000	43-07-22			49	400	A 53
41-05-21			414	600	A 671	43-07-29			84	300	A 68
41-05-27			2490	700	A 4710	43-08-05			28	400	A 30

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07244000 DEEP FORK NEAR DEWAR, OKLA.--CONTINUED

467

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
43-08-11			36	500	A	49			60	100	A	16
43-08-18			17	100	A	4.6			60	200	A	32
43-08-25			9.0	100	A	2.4			178	300	A	144
43-09-01			10.0	100	A	2.7			125	300	A	101
43-09-08			63	400	A	68			108	300	A	87
43-09-15			13	200	A	7.0			86	300	A	70
43-09-21			6.0	200	A	3.2			71	300	A	58
43-09-28			6.0	200	A	3.2			71	300	A	58
43-10-06			70	100	A	19			493	1800	A	2400
43-10-13			197	300	A	160			790	400	A	853
43-10-20			16	200	A	8.6			4310	700	A	8150
43-10-26			2070	1500	A	8380			4700	1100	A	14000
43-11-02			113	600	A	183			4540	1500	A	18400
43-11-09			26	200	A	14			13730	1000	A	37100
43-11-23			27	100	A	7.3			14100	800	A	30500
43-12-08			38	200	A	21			6260	600	A	10100
43-12-14			104	400	A	112			1450	800	A	3130
43-12-21			47	200	A	25			1850	300	A	1500
43-12-28			400	600	A	648			1810	600	A	2930
44-01-04			133	100	A	36			481	300	A	390
44-01-11			84	200	A	45			448	200	A	242
44-01-18			73	200	A	39			56400	1100	A	168000
44-01-26			94	200	A	51			51000	1100	A	151000
44-02-02			232	100	A	63			32000	1200	A	104000
44-02-08			98	200	A	53			8310	800	A	17900
44-02-15			136	100	A	37			7370	500	A	9950
44-02-22			195	200	A	105			4180	500	A	5640
44-02-29			1520	1300	A	5340			2370	500	A	3200
44-03-07			193	100	A	52			2390	700	A	4520
44-03-14			65	200	A	35			496	500	A	670
44-03-22			4960	1100	A	14700			2270	1300	A	7970
44-03-28			820	600	A	1330			2600	1300	A	9130
44-04-04			260	100	A	70			2200	600	A	3560
44-04-18			1330	500	A	1800			492	300	A	399
44-04-26			370	400	A	400			228	300	A	185
44-04-27			390	200	A	211			156	200	A	84
44-05-03			2640	1300	A	9270			131	500	A	177
44-05-09			3870	2100	A	21900			6150	1000	A	16600
44-05-16			2640	700	A	4990			5920	800	A	12800
44-05-23			2010	2100	A	11400			6050	800	A	13100
44-05-31			4040	900	A	9820			4660	500	A	6290
44-06-06			798	700	A	1510			4480	800	A	9680
44-06-09			661	300	A	535			4400	700	A	8320
44-06-10			1830	900	A	4450			1890	800	A	4080
44-06-15			2420	1500	A	9800			1940	700	A	3670
44-06-17			1850	1800	A	8990			456	700	A	862
44-06-23			534	700	A	1010			180	100	A	49
44-06-24			508	300	A	411			152	100	A	41
44-06-28			167	100	A	45			1700	1100	A	5050
44-06-30			111	200	A	60			495	400	A	535
44-07-07			215	100	A	58			110	100	A	30
44-07-08			138	300	A	112			237	100	A	64
44-07-10			149	200	A	80			48	200	A	26
44-07-12			67	200	A	36			3210	1400	A	12100
44-07-25	1300		65	200	A	35			4670	1000	A	12600
44-07-25	1400		63	900	A	153			6270	500	A	8460
44-08-01			159	200	A	86			10300	1200	A	33400
44-08-05			62	300	A	50			422	200	A	228
44-08-08			37	100	A	10			139	200	A	75
44-08-15			18	100	A	4.9			95	200	A	51
44-08-22			14	200	A	7.6			121	200	A	65
44-08-30			111	100	A	30			3430	900	A	8330
44-08-31			160	200	A	86			719	500	A	971
44-09-08			246	200	A	133			278	100	A	75
44-09-14			48	300	A	39			248	200	A	134
44-09-26			10.0	200	A	5.4			1720	300	A	1390
44-10-05			2490	1400	A	9410			333	200	A	180
44-10-07			2980	3200	A	25700			1290	300	A	1040
44-10-11	0001		426	800	A	920			774	400	A	836
44-10-11	0002		388	800	A	838			1950	300	A	1580
44-10-18			117	600	A	190			600	300	A	486
44-10-21			61	300	A	49			3710	300	A	3010
44-10-23			44	200	A	24			5810	300	A	4710
44-10-27			34	800	A	73			5100	500	A	6890
44-10-31			23	100	A	6.2			3180	600	A	5150
44-11-07			27	200	A	15			991	500	A	1340
44-11-10			252	200	A	136			3200	2300	A	19900
44-11-15			1360	1200	A	4410			3860	800	A	8340
44-11-17			277	300	A	224			4870	500	A	6570
44-11-21			104	200	A	56			189	200	A	102
44-11-28			404	300	A	327			2680	1700	A	12300
44-11-30			285	200	A	154			3280	900	A	7970
44-12-07	0001		1360	1200	A	4410			30	100	A	8.1
44-12-07	0002		1450	1700	A	6660			16	100	A	4.3
44-12-12			1350	800	A	2920			1460	1300	A	5120
44-12-19			123	100	A	33			15	100	A	4.0
44-12-27			73	200	A	39			1020	300	A	826
45-01-02			79	200	A	43			261	700	A	493
45-01-03			73	300	A	59			2480	1000	A	6700

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07244000 DEEP FORK NEAR DEWAR, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
46-11-15			316	500	A	62-02-19			345	130	A
46-11-21			117	200	A	62-03-07			720	70	A
47-01-15			246	200	A	62-03-20			230	100	A
47-02-11			73	100	A	62-04-02			700	460	A
47-03-14			284	800	A	62-04-19			2150	320	A
47-03-25			101	700	A	62-05-03			975	260	A
47-04-16			3640	1100	A	62-05-15			210	140	A
47-04-23			8080	600	A	62-07-09			220	90	A
47-04-29			7070	700	A	62-07-21			180	210	A
47-06-18			237	300	A	62-10-12			155	190	A
47-07-03			3370	700	A	62-11-01			257	120	A
47-07-09			1370	1000	A	62-12-06			446	130	A
47-07-17			126	200	A	62-12-18			191	30	A
47-10-09			19	300	A	63-02-11			151	10	A
48-03-04			2220	1500	A	63-03-21			27	40	A
48-03-15			2010	900	A	63-04-16			177	70	A
48-03-25			2010	1200	A	63-05-03			1560	440	A
48-03-27			4080	800	A	63-05-21			147	120	A
48-04-02			819	600	A	63-06-05			186	310	A
48-04-27			1170	500	A	63-06-18			65	120	A
48-05-26			594	1000	A	63-07-03			226	120	A
48-06-17			68	300	A	63-07-16			417	440	A
48-06-25			38200	700	A	63-07-25			57	160	A
48-07-14			8450	300	A	63-08-01			900	480	A
48-08-04			147	100	A	63-08-06			485	570	A
48-10-05			30	400	A	63-08-15			94	130	A
48-10-12			16	100	A	63-08-21			36	80	A
48-10-19			11	200	A	63-08-29			18	50	A
48-10-26			13	200	A	63-09-05			21	70	A
48-11-02			17	200	A	63-09-11			19	80	A
48-11-16			28	100	A	63-09-18			53	90	A
48-12-08			54	200	A	63-09-27			23	280	A
48-12-21			58	100	A	63-10-03			22	100	A
48-12-28			45	400	A	63-10-10			14	70	A
49-01-13			55	200	A	64-02-06			104	230	A
49-02-08			2040	900	A	64-03-19			138	210	A
49-02-16			3950	700	A	64-04-02			52	120	A
49-02-24			2590	700	A	64-04-08			5090	800	A
49-03-02			2240	400	A	64-04-14			1510	730	A
49-03-09			443	200	A	64-04-23			192	200	A
49-03-16			272	100	A	64-05-04			531	620	A
49-03-22			2290	1500	A	64-05-13			5100	770	A
49-03-29			885	400	A	64-05-27			250	300	A
49-04-06			349	200	A	64-06-11			110	50	A
49-04-13			2330	700	A	64-06-18			4260	330	A
49-04-27			218	200	A	64-06-24			427	350	A
49-05-03			3500	1000	A	64-07-01			137	150	A
49-05-10			5330	400	A	64-07-10			46	60	A
49-05-21			16700	400	A	64-07-16			25	60	A
49-05-23			19200	3500	A	64-07-22			18	70	A
49-06-01			9760	400	A	64-07-30			19	40	A
49-06-08			7590	200	A	64-08-13			18	80	A
49-06-22			721	300	A	64-08-25			313	610	A
49-06-30			694	500	A	64-09-04			594	180	A
49-07-07			376	100	A	64-09-14			176	160	A
49-07-13			325	200	A	64-10-02			100	100	A
49-07-26			74	100	A	64-10-16			57	50	A
49-08-16			49	100	A	64-10-23			102	170	A
49-09-27			80	300	A	64-10-29			23	40	A
49-11-02			218	400	A	64-11-13			204	70	A
49-11-29			68	100	A	64-11-25			3240	480	A
49-12-29			93	100	A	64-12-18			178	70	A
50-02-02			115	100	A	64-12-31			102	120	A
50-02-15			2350	800	A	65-01-12			561	280	A
50-02-28			143	200	A	65-01-21			198	150	A
50-05-01			90	300	A	65-01-28			591	460	A
50-06-26			242	100	A	65-02-04			202	240	A
50-07-20			6250	500	A	65-02-11			1160	600	A
50-07-26			9060	200	A	65-02-25			201	350	A
50-08-03			5950	300	A	65-03-11			136	190	A
50-08-08			2460	300	A	65-03-26			138	100	A
50-08-31			445	300	A	65-04-13			798	250	A
50-09-18			7140	200	A	65-04-27			590	280	A
50-09-20			6250	100	A	65-05-19			621	310	A
61-05-09			3840	1020	A						
61-05-12			1700	710	A						
61-05-16			1160	300	A						
61-05-24			1680	1380	A						
61-06-02			672	420	A						
61-06-06			896	780	A						
61-06-19			2780	570	A						
61-07-26			3760	530	A						
61-08-03			483	300	A						
61-08-17			1380	2370	A						
61-08-28			230	110	A						
61-09-08			180	110	A						
61-10-04			635	200	A						
61-11-15			460	370	A						
61-11-28			1210	420	A						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

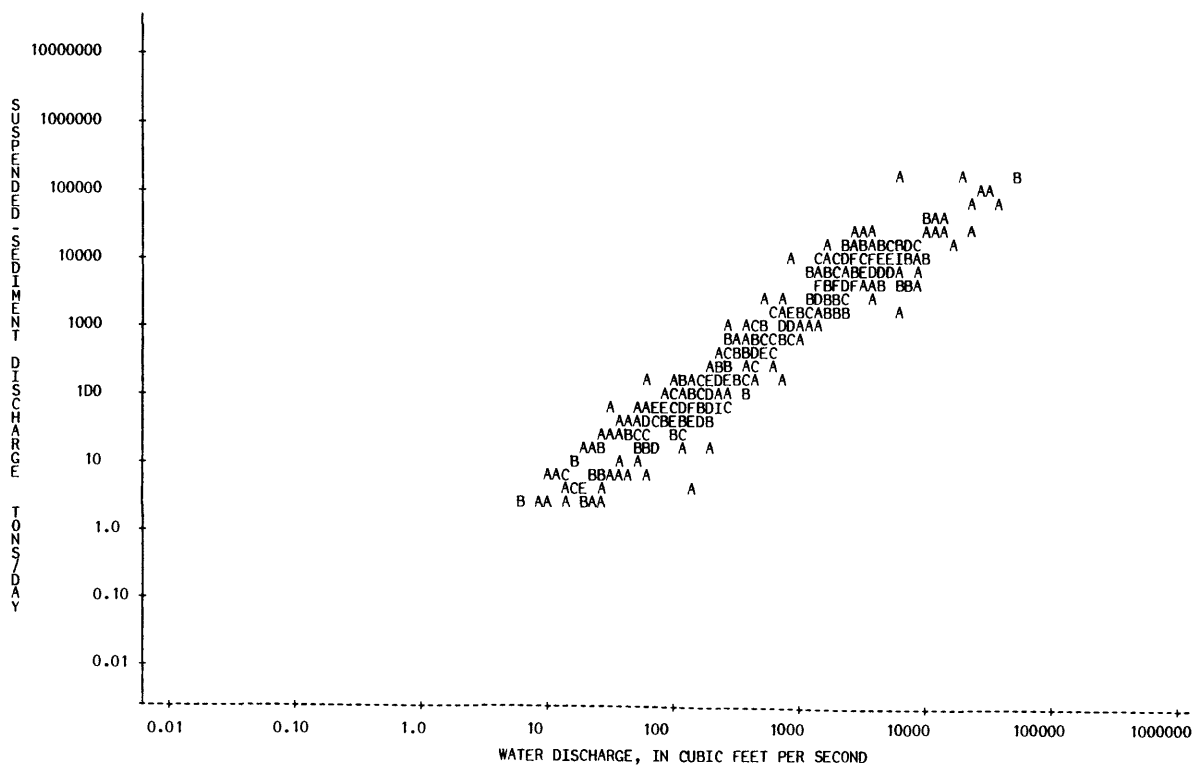
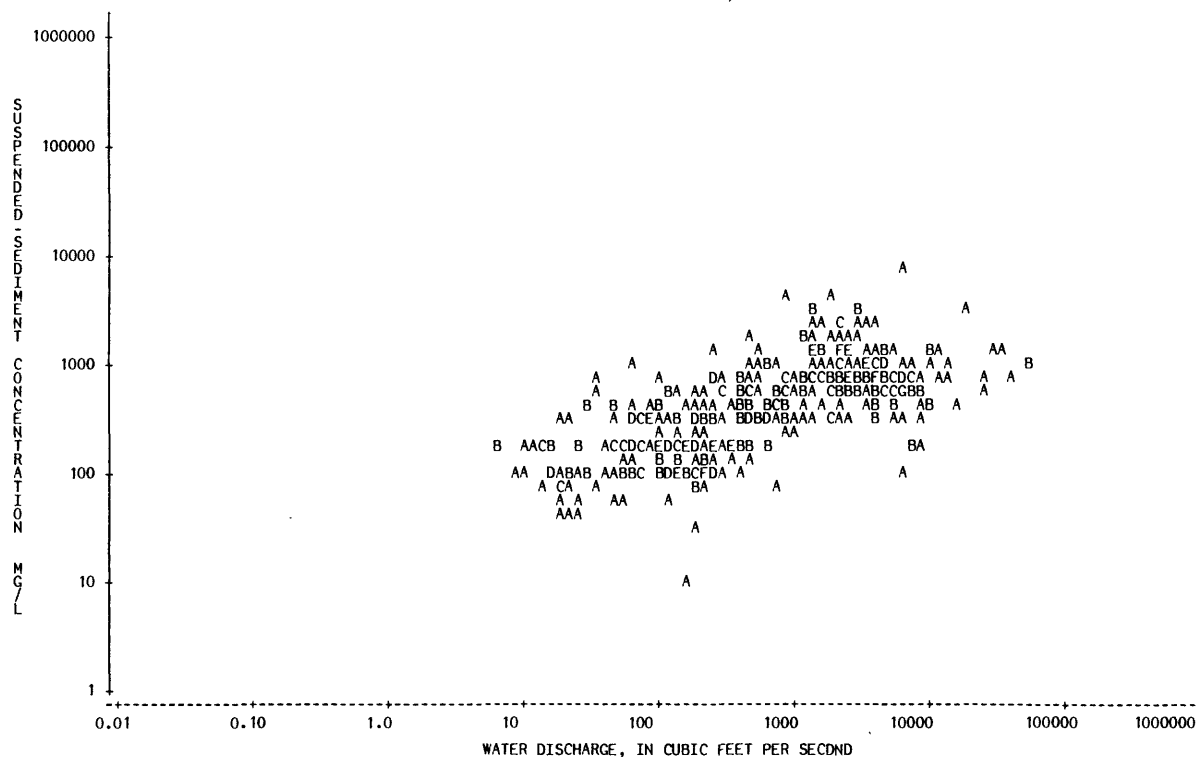
\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07244000 DEEP FORK NEAR DEWAR, OKLA.



## ARKANSAS RIVER BASIN

07245000 CANADIAN RIVER NEAR WHITEFIELD, OKLA.

LOCATION.--Lat 35°15'45", long 95°14'19", in SE 1/4 SE 1/4 sec.12, T.9 N., R.19 E., Haskell County, Hydrologic Unit 11090204, near right bank on downstream side of pier of bridge on State Highway 2, 0.8 mi (1.3 km) north of Whitefield, 5.5 mi (8.8 km) upstream from Taleka (Snake) Creek, 8.2 mi (13.2 km) downstream from Eufaula Dam, and at mile 18.8 (30.2 km).

DRAINAGE AREA.--47,576 mi<sup>2</sup> (123,222 km<sup>2</sup>), of which 9,700 mi<sup>2</sup> (25,123 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-80.

REMARKS.--Occasional slight regulation by Conchas Reservoir in New Mexico and Lake Meredith in Texas prior to February 1964. Except for 54 mi<sup>2</sup> (140 km<sup>2</sup>) of intervening area, completely regulated thereafter by Eufaula Lake. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-23			7200	14500	A 282000	41-10-27			48200	25000	A 3250000
38-06-29			5510	4400	A 65500	41-11-01			142000	13700	A 5250000
39-06-30			18500	20400	A 1020000	41-11-02			125000	9400	A 3170000
39-07-19			830	800	A 1790	41-11-04			70300	8100	A 1540000
39-08-02			662	100	A 179	41-11-06			47400	9000	A 1150000
39-08-31			743	900	A 1810	41-11-10			17200	3600	A 167000
39-09-15			113	100	A 31	41-11-14			13100	4100	A 145000
40-04-14			15700	2900	A 123000	41-11-21			6480	2000	A 35000
40-04-24			665	400	A 718	41-11-28			8130	2300	A 50500
40-05-03			3660	2200	A 21700	42-02-03			2530	700	A 4780
40-05-29			1880	1400	A 7110	42-02-25			3050	1100	A 9060
40-06-12			4100	2500	A 27700	42-03-05			7710	1800	A 37500
40-08-18			23600	7500	A 478000	42-03-16			2780	900	A 6760
40-08-21			3700	1800	A 18000	42-04-08			35600	11600	A 1110000
40-11-26			20300	11600	A 636000	42-04-09			79200	16600	A 3550000
40-11-28			15400	6400	A 266000	42-04-11			56800	10000	A 1530000
40-11-30			6480	2800	A 49000	42-04-14			15700	2900	A 123000
41-01-02			17000	6400	A 294000	42-04-20			54000	18000	A 2620000
41-01-13			1320	500	A 1780	42-04-22			42000	10300	A 1170000
41-04-19			63100	7800	A 1330000	42-04-27			91800	11100	A 2750000
41-04-20			47600	9900	A 1270000	42-04-29			95000	17500	A 4490000
41-05-05			11200	36800	A 1110000	42-05-04			32200	14300	A 1240000
41-05-23			19900	17600	A 946000	42-05-12			10800	6300	A 184000
41-05-26			28600	36400	A 2810000	42-06-10			20200	15500	A 845000
41-05-27			35700	47900	A 4620000	42-06-25			42400	4700	A 538000
41-06-02			23000	55100	A 3420000	42-06-29			13800	2400	A 89400
41-06-03			25400	15200	A 1040000	42-08-18			9410	6600	A 168000
41-06-05			20700	28500	A 1590000	42-08-25			7420	3200	A 64100
41-06-07			72300	25300	A 4940000	42-09-08			32600	26800	A 2360000
41-06-10			55700	34300	A 5160000	42-09-09			25100	25900	A 1760000
41-06-11			80900	22800	A 4980000	42-09-15			6710	12000	A 217000
41-06-13			54000	20400	A 2970000	43-06-22			2030	600	A 3290
41-06-16			32100	12900	A 1120000	43-06-30			975	200	A 526
41-06-19			19800	5600	A 299000	43-07-08			700	300	A 567
41-06-26			5500	3800	A 56400	43-07-13			749	400	A 809
41-07-01			15700	24700	A 1050000	43-07-22			480	300	A 389
41-07-07			5300	3500	A 50100	43-07-28			420	100	A 113
41-07-29			23500	46400	A 2940000	43-08-11			410	100	A 111
41-08-09			2450	11300	A 74700	43-08-18			222	200	A 120
41-09-10			19900	23500	A 1260000	43-08-25			220	200	A 119
41-09-15			5100	3500	A 48200	43-09-01			166	200	A 90
41-09-24			1460	1900	A 7490	43-09-08			1730	500	A 2340
41-09-26			60300	64800	A10600000	43-09-15			250	100	A 67
41-09-29			15300	50900	A 2100000	43-09-22			163	400	A 176
41-10-02			23700	52200	A 3340000	43-09-29			170	200	A 92
41-10-03			49800	51400	A 6910000	43-10-06			725	200	A 391
41-10-04			50300	38800	A 5270000	43-10-13			1440	900	A 3500
41-10-06			42000	19200	A 2180000	43-10-20			460	1600	A 1990
41-10-08			43800	18900	A 2240000	43-10-26			740	600	A 1200
41-10-10			26400	15300	A 1090000	43-11-02			710	400	A 767
41-10-16			65900	9000	A 1600000	43-11-09			292	300	A 237
41-10-17			56100	9200	A 1390000	43-11-17			245	600	A 397
41-10-24			11900	3200	A 103000	43-11-24			220	400	A 238

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07245000 CANADIAN RIVER NEAR WHITEFIELD, OKLA.--CONTINUED

471

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-12-01			229	300	A 185	45-02-22			29800	6100	A 491000
43-12-08			353	300	A 286	45-02-23			28400	5500	A 422000
43-12-15			772	600	A 1250	45-02-24			28100	5400	A 410000
43-12-21			440	100	A 119	45-03-01			18300	2200	A 109000
43-12-29			3150	800	A 6800	45-03-03			59200	8700	A 1390000
44-01-04			1160	300	A 940	45-03-04			48600	7300	A 958000
44-01-12			1590	300	A 1290	45-03-06			37200	5200	A 522000
44-01-19			2150	600	A 3480	45-03-07			31000	5000	A 419000
44-01-26			1180	900	A 2870	45-03-12			29000	4300	A 337000
44-02-02			1960	800	A 4230	45-03-15			100000	12300	A 3320000
44-02-09			9100	4200	A 103000	45-03-16			53600	8400	A 1220000
44-02-15			3000	800	A 6480	45-03-17			47600	6400	A 823000
44-02-22			4400	1200	A 14300	45-03-20			66600	9700	A 1740000
44-02-28			13400	4500	A 163000	45-03-24			26000	4200	A 295000
44-02-29			17300	4200	A 196000	45-03-28			11700	2400	A 75800
44-03-01			17300	4900	A 229000	45-03-30			42000	8300	A 941000
44-03-07			2600	900	A 6320	45-03-31			31100	5500	A 462000
44-03-15			730	400	A 788	45-04-02			33400	3500	A 316000
44-03-17			10800	4800	A 140000	45-04-07			6780	1100	A 20100
44-03-20			27800	5000	A 375000	45-04-10			3400	700	A 6430
44-03-27			7100	1100	A 21100	45-04-13			13500	2500	A 91100
44-03-28			6200	1400	A 23400	45-04-14			93900	5400	A 1370000
44-04-04			3020	800	A 6520	45-04-15			201000	5200	A 2820000
44-04-05			2430	300	A 1970	45-04-16			253000	10000	A 6830000
44-04-12			8530	14000	A 322000	45-04-17			205000	5800	A 3210000
44-04-13			9170	4300	A 106000	45-04-21			47900	5900	A 763000
44-04-15			5010	2600	A 35200	45-04-24			28000	3200	A 242000
44-04-21			3300	3200	A 28500	45-05-02			7050	1200	A 22800
44-04-26	0001		2700	1100	A 8020	45-05-08			3100	800	A 6700
44-04-26	0002		2630	1000	A 7100	45-05-12			16800	4300	A 195000
44-05-02			28400	9000	A 690000	45-05-14			24700	5200	A 347000
44-05-06			14800	2000	A 79900	45-05-17			29900	5200	A 420000
44-05-09			7200	2200	A 42800	45-05-18			23100	3700	A 231000
44-05-11			9340	2600	A 65600	45-05-24			5300	1200	A 17200
44-05-16			6050	1600	A 26100	45-05-26			2590	500	A 3500
44-05-17			6080	1400	A 23000	45-05-31			1590	600	A 2580
44-05-23			3780	2700	A 27600	45-06-07			19400	6500	A 340000
44-05-29			28500	5700	A 439000	45-06-11			81800	8400	A 1860000
44-05-31			18000	3400	A 165000	45-06-13			71000	9600	A 1840000
44-06-08			8270	2000	A 44700	45-06-14			61600	7000	A 1160000
44-06-14			15000	5600	A 227000	45-06-15			42700	4800	A 553000
44-06-15			25000	11600	A 783000	45-06-18			54900	7400	A 1100000
44-06-19			5800	1500	A 23500	45-06-22			45900	8700	A 1080000
44-06-22			4000	1500	A 16200	45-06-28			11600	2300	A 72000
44-06-27			1580	800	A 3410	45-07-02			18600	3500	A 176000
44-07-04			1030	400	A 1110	45-07-05			9560	1700	A 43900
44-07-11			700	200	A 378	45-07-06			7970	1700	A 36600
44-07-25			620	100	A 167	45-07-10			14600	4100	A 162000
44-07-29			1060	900	A 2580	45-07-11			46100	7800	A 971000
44-08-03			1430	800	A 3090	45-07-13			18600	3700	A 186000
44-08-04			940	500	A 1270	45-07-19			4600	1400	A 17400
44-08-10			351	100	A 95	45-07-26			1470	800	A 3180
44-08-18			220	100	A 59	45-08-02			3300	2200	A 19600
44-08-31			855	100	A 231	45-08-04			2360	1000	A 6370
44-09-08			2190	1200	A 7100	45-08-09			3160	2200	A 18800
44-09-14			1450	5900	A 23100	45-08-10			2120	1500	A 8590
44-09-15			1110	3700	A 11100	45-08-17			9020	4200	A 102000
44-09-21			350	200	A 189	45-08-20			2930	1300	A 10300
44-09-28			200	100	A 54	45-08-22			2370	900	A 5760
44-10-04			14400	3600	A 140000	45-08-30			920	300	A 745
44-10-05			19400	10000	A 524000	45-09-05			720	300	A 583
44-10-07			13400	4300	A 156000	45-09-14			495	200	A 267
44-10-10			4200	1300	A 14700	45-09-27			44500	8000	A 961000
44-10-13			2700	1500	A 10900	45-09-29			58500	6800	A 1070000
44-10-20			829	100	A 224	45-10-01			82500	11400	A 2540000
44-10-21			640	100	A 173	45-10-02			54500	8700	A 1280000
44-10-26			446	100	A 120	45-10-03			38200	5900	A 609000
44-11-04			340	200	A 184	45-10-04			26800	5000	A 362000
44-11-10			1520	500	A 2050	45-10-10			15200	2300	A 94400
44-11-16			2720	1300	A 9550	45-10-17			3180	400	A 3430
44-11-27			3500	2400	A 22700	45-10-25			2310	400	A 2490
44-11-30			1320	800	A 2850	45-10-31			1460	100	A 394
44-12-13			3540	1800	A 17200	45-11-14			1450	100	A 392
44-12-15			2130	1100	A 6330	45-11-21			1170	300	A 948
44-12-20			1100	600	A 1780	45-11-29			900	200	A 486
44-12-22			950	600	A 1540	45-12-05			920	200	A 497
44-12-29			925	500	A 1250	45-12-12			915	300	A 741
45-01-04			909	700	A 1720	45-12-19			955	300	A 774
45-01-05			845	600	A 1370	46-01-02			810	300	A 656
45-01-12			1020	700	A 1930	46-01-05			8180	3300	A 72900
45-01-19			940	500	A 1270	46-01-07			19500	4600	A 242000
45-01-25			1580	500	A 2130	46-01-09			21800	4600	A 271000
45-01-27			1220	400	A 1320	46-01-11			18200	3800	A 187000
45-02-01			1760	1200	A 5700	46-01-17			8220	2000	A 44400
45-02-05			1120	500	A 1510	46-01-23			3300	1100	A 9800
45-02-06			990	400	A 1070	46-01-30			1770	700	A 3350
45-02-12			900	500	A 1210	46-02-07			6220	3000	A 50400
45-02-15			2050	900	A 4980	46-02-14			18000	6000	A 292000
45-02-21			35600	10200	A 980000	46-02-15	0001		17400	6100	A 287000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-02-15	0002		17300	4000	A 187000	47-01-09			1750	500	A 2360
46-02-19	0001		42000	8300	A 941000	47-01-14			1950	600	A 3160
46-02-19	0002		39000	8600	A 906000	47-01-20			1980	400	A 2140
46-02-20			32800	7000	A 620000	47-02-03			1160	400	A 1250
46-02-21			29400	5200	A 413000	47-02-10			930	300	A 753
46-02-25			5800	1200	A 18800	47-02-25			750	300	A 607
46-03-07			2640	500	A 3560	47-03-11			660	200	A 356
46-03-13			2080	300	A 1680	47-03-26			1600	400	A 1730
46-03-20			3330	800	A 7190	47-04-11			41900	11600	A 1310000
46-03-27			3200	1000	A 8640	47-04-12			32200	6900	A 600000
46-03-28			22700	6300	A 386000	47-04-14	0900		17000	9400	A 431000
46-03-29			26600	6000	A 431000	47-04-14	1200		16400	3200	A 142000
46-04-01			6600	2300	A 41000	47-04-15	1300		31600	8900	A 759000
46-04-02			5300	1500	A 21500	47-04-15	1700		35600	13600	A 1310000
46-04-10			2880	800	A 6220	47-04-16	0800		36800	9200	A 914000
46-04-18			8800	2200	A 52300	47-04-16	1300		37800	9600	A 980000
46-04-24			16400	5000	A 221000	47-04-17			35600	6600	A 634000
46-04-25			21600	3100	A 181000	47-04-18			25700	7100	A 493000
46-04-26			15000	2800	A 113000	47-04-21			11800	3700	A 118000
46-04-30			13200	3100	A 110000	47-04-28			18400	2100	A 104000
46-05-01	0001		16300	3800	A 167000	47-04-29			39200	8600	A 910000
46-05-01	0002		17000	3900	A 179000	47-05-01			24900	3900	A 262000
46-05-02			14100	3000	A 114000	47-05-02			18800	3500	A 178000
46-05-03	0001		39500	6400	A 683000	47-05-05			94400	2400	A 612000
46-05-03	0002		40000	6600	A 713000	47-05-06			9320	1400	A 35200
46-05-06			11400	7500	A 231000	47-05-13			92900	9300	A 2330000
46-05-10			25700	6400	A 444000	47-05-14			63800	12100	A 2080000
46-05-14			7300	1500	A 29600	47-05-15			26600	8000	A 575000
46-05-17			20200	5500	A 300000	47-05-16			59800	14100	A 2280000
46-05-21			8250	1800	A 40100	47-05-17			121000	11400	A 3720000
46-05-24			55200	5700	A 850000	47-05-19			62200	9300	A 1560000
46-05-27	0001		17700	3700	A 177000	47-05-20			53700	6000	A 780000
46-05-27	0002		17300	3600	A 168000	47-05-21			60800	7800	A 1280000
46-05-31			53300	6600	A 950000	47-05-22			50600	11200	A 1530000
46-06-03	0001		30500	5200	A 428000	47-05-26			40900	43000	A 4750000
46-06-03	0002		27600	4800	A 358000	47-06-02			75900	10000	A 2050000
46-06-04			21600	4200	A 245000	47-06-03			48200	5700	A 742000
46-06-05			14800	3000	A 120000	47-06-24			24600	8000	A 531000
46-06-11			5800	1500	A 23500	47-07-09			3630	1100	A 10800
46-06-20			1340	200	A 724	47-07-23			1600	700	A 3020
46-06-26			1320	500	A 1780	47-08-06			1300	1100	A 3860
46-06-27			14700	3800	A 151000	47-08-22			458	300	A 371
46-07-01			35300	8100	A 772000	47-08-27			363	300	A 294
46-07-02			21800	5700	A 336000	47-09-03			284	300	A 230
46-07-03			18700	4000	A 202000	47-09-30			411	400	A 444
46-07-10			2020	400	A 2180	47-10-14			162	400	A 175
46-07-18			740	1100	A 2200	47-10-20			1400	700	A 2650
46-07-25			472	600	A 765	47-11-19			1220	700	A 2310
46-07-31			352	700	A 665	47-11-24			1380	900	A 3350
46-08-08			313	700	A 592	47-12-01			434	100	A 117
46-08-14			264	700	A 499	47-12-19			1000	600	A 1620
46-08-21			250	800	A 540	48-01-02			11200	5100	A 154000
46-08-28			6920	4100	A 76600	48-01-08			1350	500	A 1820
46-09-05			1060	1100	A 3150	48-01-22			520	100	A 140
46-09-11			630	100	A 170	48-01-27			270	200	A 146
46-09-19			340	100	A 92	48-02-16			5120	1600	A 22100
46-09-25			4070	14400	A 158000	48-02-19			2480	600	A 4020
46-09-26			3150	15600	A 133000	48-02-26			14500	5700	A 223000
46-10-03			750	5100	A 10300	48-02-27			36600	7200	A 712000
46-10-09			490	3000	A 3970	48-03-02			39000	7400	A 779000
46-10-10			16700	31700	A 1430000	48-03-03			15500	5500	A 230000
46-10-11	1100		7980	17000	A 366000	48-03-12			2700	1100	A 8020
46-10-11	1400		13800	20500	A 764000	48-03-19			5360	1400	A 20300
46-10-12			16500	22800	A 1020000	48-03-22			8800	2900	A 68900
46-10-14	1100		5000	14100	A 190000	48-03-29			10100	2500	A 68200
46-10-14	1400		4800	14200	A 184000	48-04-06			1640	700	A 3100
46-10-15			4690	12600	A 160000	48-04-15			1600	500	A 2160
46-10-23			3100	5200	A 43500	48-04-19			830	100	A 224
46-10-31			1630	1200	A 5280	48-04-28			680	200	A 367
46-11-05			13900	6200	A 233000	48-05-03			1850	1200	A 5990
46-11-06	1200		45000	10600	A 1290000	48-05-12			21400	5000	A 289000
46-11-06	1600		46950	10200	A 1290000	48-05-13			16800	4100	A 186000
46-11-07	0700		28300	6400	A 489000	48-05-20			5700	1100	A 16900
46-11-07	1500		27600	5500	A 410000	48-05-28			7200	2100	A 40800
46-11-08			22300	4600	A 277000	48-06-03			6800	2600	A 47700
46-11-13			7610	2400	A 49300	48-06-10			1200	400	A 1300
46-11-18			3430	900	A 8330	48-06-16			1080	500	A 1460
46-11-26			4430	1800	A 21500	48-06-22			48400	14200	A 1860000
46-12-04			1270	1700	A 5830	48-06-24			220000	11200	A 6650000
46-12-10			133000	8900	A 3200000	48-06-25			180700	9100	A 4440000
46-12-11			73500	11400	A 2260000	48-06-26			94500	9500	A 2420000
46-12-12	0800		121000	13800	A 4510000	48-06-28			74500	7200	A 1450000
46-12-12	1100		124000	14700	A 4920000	48-06-29			65000	6500	A 1140000
46-12-12	1900		66600	12000	A 2160000	48-06-30			56000	6200	A 937000
46-12-13			81700	8800	A 1940000	48-07-01			38000	5500	A 564000
46-12-16			25300	3900	A 266000	48-07-02			28600	2800	A 216000
46-12-17			14400	2700	A 105000	48-07-03			23000	2500	A 155000
46-12-23			3600	800	A 7780	48-07-07			13800	1900	A 70800
47-01-01			1830	700	A 3460	48-07-09			22800	3800	A 234000

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 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-07-12			32000	5400	A 467000	49-11-23			470	100	A 127
48-07-13			19000	2500	A 128000	49-11-28			509	100	A 137
48-07-14			14500	2300	A 90000	49-12-08			455	100	A 123
48-07-23			10500	1800	A 51000	49-12-12			1020	400	A 1100
48-07-24			23000	3300	A 205000	49-12-20			800	100	A 216
48-07-28			4200	1000	A 11300	49-12-28			4370	600	A 7080
48-08-04			1300	2300	A 8070	50-01-06			5840	400	A 6310
48-08-12			1550	100	A 419	50-01-09			4490	500	A 6060
48-08-18			1440	600	A 2330	50-01-23			2270	400	A 2450
48-08-26			2000	3600	A 19400	50-02-06			4550	400	A 4910
48-09-03			940	200	A 508	50-02-13			4000	2800	A 30200
48-09-07			600	300	A 486	50-02-14			33000	4000	A 356000
48-09-17			370	200	A 200	50-02-15			22600	2700	A 165000
48-09-24			315	100	A 85	50-02-20			3900	700	A 7370
48-10-05			253	200	A 137	50-02-28			1860	400	A 2010
48-10-13			224	100	A 60	50-03-06			1540	300	A 1250
48-10-19			203	100	A 55	50-03-16			1970	300	A 1600
48-10-29			214	200	A 116	50-03-23			853	200	A 461
48-11-04			208	100	A 56	50-03-27			646	200	A 349
48-11-10			450	400	A 486	50-04-04			13100	3100	A 110000
48-11-15			553	400	A 597	50-04-10			2510	900	A 6100
48-11-26			291	100	A 79	50-04-20			845	100	A 228
48-12-02			289	400	A 312	50-04-28			691	100	A 187
48-12-07			352	100	A 95	50-05-03			2050	100	A 554
48-12-13			312	300	A 253	50-05-07			38800	3300	A 346000
48-12-23			623	200	A 336	50-05-08			18400	1900	A 94400
48-12-27			471	200	A 254	50-05-09			12400	2500	A 83700
49-01-05			338	200	A 183	50-05-11			248000	7500	A 5020000
49-01-13			363	200	A 196	50-05-12			138000	8000	A 2980000
49-02-03			2140	6500	A 37600	50-05-13			110000	4800	A 1430000
49-02-07			7430	5100	A 102000	50-05-14			69200	5900	A 1100000
49-02-14			20600	6900	A 384000	50-05-15			54100	2800	A 409000
49-02-15			40400	9000	A 982000	50-05-16			35700	2500	A 241000
49-02-17			26000	3000	A 211000	50-05-17			25200	1900	A 129000
49-02-25			26700	3100	A 223000	50-05-19			22500	1200	A 72900
49-03-02			6490	2400	A 42100	50-05-24			9740	700	A 18400
49-03-12			2220	500	A 3000	50-06-02			7640	1100	A 22700
49-03-14			2100	300	A 1700	50-06-05			6100	500	A 8240
49-03-22			25500	2600	A 179000	50-06-15			3740	700	A 7070
49-03-24			16100	1500	A 65200	50-06-21			1820	300	A 1470
49-03-26			31000	3400	A 285000	50-06-29			1430	200	A 772
49-03-27			17500	4200	A 198000	50-07-07			12200	4000	A 132000
49-03-28			14000	2200	A 83200	50-07-14			10300	8300	A 231000
49-04-06			2820	1100	A 8380	50-07-20			28700	4000	A 310000
49-04-12			13300	2000	A 71800	50-07-21			54400	8600	A 1260000
49-04-20			1860	500	A 2510	50-07-22			78000	9100	A 1920000
49-04-29			2630	300	A 2130	50-07-23			80700	10700	A 2330000
49-05-02			48000	2600	A 337000	50-07-25			54000	7900	A 1150000
49-05-03			24400	3400	A 224000	50-07-26			64800	6400	A 1120000
49-05-04			13700	4300	A 159000	50-07-27			44900	3500	A 424000
49-05-09			24100	2200	A 143000	50-07-28			35900	4100	A 397000
49-05-10			16800	5500	A 249000	50-07-31			46700	4600	A 580000
49-05-13			9150	2900	A 71600	50-08-02			26300	3000	A 213000
49-05-16			8630	3800	A 88500	50-08-03			39800	11300	A 1210000
49-05-18			118000	7600	A 2420000	50-08-04			22200	5300	A 318000
49-05-19			141500	8400	A 3210000	50-08-11			7340	2300	A 45600
49-05-21			107000	6500	A 1880000	50-08-25			13300	2100	A 75400
49-05-23			63000	9400	A 1600000	50-08-31			7780	2500	A 52500
49-05-24			35400	5200	A 497000	50-09-05			8010	2900	A 62700
49-05-26			38500	3800	A 395000	50-09-13			5320	2100	A 30200
49-05-28			30000	5500	A 446000	50-09-16			155000	8300	A 3470000
49-05-31			23100	5100	A 318000	50-09-18			47700	3800	A 489000
49-06-06			20300	3100	A 170000	50-09-19			44500	2700	A 324000
49-06-07			24800	5200	A 348000	50-09-20			36000	2600	A 253000
49-06-10			25000	9200	A 621000	50-09-22			16800	1700	A 77100
49-06-13			45400	4900	A 601000	50-09-25			5680	1000	A 15300
49-06-14			72100	6600	A 1280000	50-10-06			4480	2000	A 24200
49-06-16			46100	4200	A 523000	50-10-13			2750	700	A 5200
49-06-17			49700	4000	A 537000	50-10-21			2410	500	A 3250
49-06-27			7770	3900	A 81800	50-10-27			1210	300	A 980
49-07-14			1780	300	A 1440	50-11-02			910	600	A 1470
49-07-21			2880	8500	A 66100	50-11-09			799	600	A 1290
49-07-25			2020	3500	A 19100	50-11-16			749	200	A 404
49-08-02			1460	800	A 3150	50-11-22			668	300	A 541
49-08-08			930	200	A 502	50-12-01			547	100	A 148
49-08-15			1410	9600	A 36500	50-12-07			490	100	A 132
49-08-22			910	300	A 737	50-12-11			609	100	A 164
49-08-29			355	100	A 96	50-12-19			631	100	A 170
49-09-06			302	300	A 245	50-12-29			606	100	A 164
49-09-15			4540	1500	A 18400	51-01-05			836	200	A 451
49-09-19			5200	1100	A 15400	51-02-02			350	500	A 472
49-09-27			818	500	A 1100	51-02-09			1090	200	A 589
49-10-03			462	300	A 374	51-02-15			674	300	A 546
49-10-11			752	100	A 203	51-02-20			51500	4500	A 626000
49-10-24			2350	700	A 4440	51-02-21			37400	5500	A 555000
49-11-01			1650	300	A 1340	51-03-02			4200	400	A 4540
49-11-02			1470	400	A 1590	51-03-08			2400	500	A 3240
49-11-07			648	200	A 350	51-03-15			10100	8100	A 221000
49-11-14			649	100	A 175	51-03-21			3870	400	A 4180

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
51-03-31			1830	500	A 2470	52-10-21			25	300	A 20
51-04-05			1510	200	A 815	52-10-30			23	100	A 6.2
51-04-10			1910	300	A 1550	52-11-05			25	100	A 6.7
51-04-18			1220	300	A 988	52-11-13			28	100	A 7.6
51-04-25			3610	500	A 4870	52-11-19			55	200	A 30
51-05-03			8760	6100	A 144000	52-11-25			442	400	A 477
51-05-07			3830	800	A 8270	52-12-02			419	200	A 226
51-05-14			1140	400	A 1230	52-12-08			252	200	A 136
51-05-19			58400	23200	A 3660000	52-12-17			157	200	A 85
51-05-20			51700	22600	A 3150000	52-12-23			506	200	A 273
51-05-21			33600	18900	A 1710000	52-12-30			247	200	A 133
51-05-22			24200	14100	A 921000	53-01-07			167	200	A 90
51-05-23			18300	10500	A 519000	53-01-13			138	200	A 75
51-05-29			15400	7200	A 299000	53-01-19			149	200	A 80
51-06-08			11000	3700	A 110000	53-01-26			220	200	A 119
51-06-11			29900	9500	A 767000	53-02-05			203	200	A 110
51-06-12			60600	10900	A 1780000	53-02-09			153	100	A 41
51-06-13			46300	7000	A 875000	53-02-20			294	200	A 159
51-06-14			33100	5900	A 527000	53-03-06			1460	300	A 1180
51-06-15			36100	6000	A 585000	53-03-10			1600	600	A 2590
51-06-19			14200	2700	A 104000	53-03-16			10700	1800	A 52000
51-06-25			10700	2100	A 60700	53-03-18			23500	2000	A 127000
51-07-03			11600	2800	A 87700	53-03-20			16600	1500	A 67200
51-07-12			4710	1600	A 20300	53-03-27			1050	300	A 851
51-07-19			3550	1400	A 13400	53-03-31			54700	9900	A 1460000
51-07-23			2940	1700	A 13500	53-04-01			18000	2700	A 131000
51-08-02			2730	1100	A 8110	53-04-07			22800	5100	A 314000
51-08-10			1140	1100	A 3390	53-04-16			6600	1600	A 28500
51-08-15			886	600	A 1440	53-04-25			39500	11900	A 1270000
51-08-21			700	200	A 378	53-04-26			24200	2700	A 176000
51-08-27			406	300	A 329	53-04-27			18300	1500	A 74100
51-09-06			889	800	A 1920	53-04-28			12800	1300	A 44900
51-09-15			3870	4000	A 41800	53-04-30			21800	2100	A 124000
51-09-17			2980	1100	A 8850	53-05-08			1180	200	A 637
51-09-25			544	600	A 881	53-05-13			30200	4900	A 400000
51-10-02			331	400	A 357	53-05-14			24500	1700	A 112000
51-10-19			630	100	A 170	53-05-15			24000	1800	A 117000
51-10-29			2480	700	A 4690	53-05-18			13300	2700	A 97000
51-11-09			1100	600	A 1780	53-05-26			1290	300	A 1040
51-11-15			638	400	A 689	53-06-05			920	100	A 248
51-11-23			693	400	A 748	53-06-10			920	100	A 248
51-11-27			3770	600	A 6110	53-06-15			296	200	A 160
51-12-07			654	100	A 177	53-06-22			111	100	A 30
51-12-13			670	100	A 181	53-07-01			98	100	A 26
51-12-18			434	100	A 117	53-07-09			112	140	A 42
51-12-26			374	100	A 101	53-07-14			4060	1910	A 20900
52-01-04			827	500	A 1120	53-07-21			39200	7780	A 823000
52-01-07			1450	200	A 783	53-07-22			39000	4540	A 478000
52-01-15			893	200	A 482	53-07-23			27000	3020	A 220000
52-01-28			620	300	A 502	53-07-24			30300	2250	A 184000
52-02-08			955	300	A 774	53-07-27			12700	1770	A 60700
52-02-15			365	200	A 197	53-08-07			7680	1970	A 40800
52-02-21			1060	300	A 859	53-08-10			1200	170	A 551
52-02-28			4890	600	A 7920	53-08-21			4170	2450	A 27600
52-03-04			17100	4900	A 226000	53-08-27			2400	640	A 4150
52-03-11			16600	5600	A 251000	53-09-04			16300	4070	A 179000
52-03-14			6740	1400	A 25500	53-09-10			688	320	A 594
52-03-21			4890	1200	A 15800	53-09-17			235	110	A 70
52-03-28			1740	500	A 2350	53-09-24			140	70	A 26
52-04-04			3940	3000	A 31900	53-10-06			2360	810	A 5160
52-04-11			1890	300	A 1530	53-10-13			196	50	A 26
52-04-14			17500	5400	A 255000	53-10-22			162	80	A 35
52-04-22			33200	14700	A 1320000	53-10-26			13600	3200	A 118000
52-04-23			47000	11200	A 1420000	53-10-29			9990	2510	A 67700
52-04-24			35000	4800	A 454000	53-11-10			975	780	A 2050
52-04-25			22100	5100	A 304000	53-11-16			551	220	A 327
52-05-02			5150	5000	A 69500	53-11-24			3440	1390	A 12900
52-05-09			1720	600	A 2790	53-11-30			822	350	A 777
52-05-15			1080	200	A 583	53-12-04			10700	3240	A 93600
52-05-21			5650	2000	A 30500	53-12-07			3310	1470	A 13100
52-05-27			10200	3000	A 82600	53-12-18			735	230	A 456
52-06-04			7800	1300	A 27400	53-12-21			635	260	A 446
52-06-10			1900	900	A 4620	53-12-28			472	250	A 319
52-06-18			533	400	A 576	54-01-05			406	260	A 285
52-06-23			287	1000	A 775	54-01-15			534	240	A 346
52-07-02			207	100	A 56	54-01-26			5020	950	A 12900
52-07-09			228	100	A 62	54-02-01			1040	300	A 842
52-07-15			276	100	A 75	54-02-08			547	180	A 266
52-07-24			1480	500	A 2000	54-02-16			410	240	A 266
52-07-31			417	200	A 225	54-02-26			786	330	A 700
52-08-05			229	100	A 62	54-03-01			554	210	A 314
52-08-12			318	300	A 258	54-03-08			364	100	A 98
52-08-20			195	100	A 53	54-03-15			250	70	A 47
52-08-27			269	200	A 145	54-03-22			222	90	A 54
52-09-08			55	300	A 45	54-03-30			1470	910	A 3610
52-09-15			43	200	A 23	54-04-05			391	180	A 190
52-09-25			383	300	A 310	54-04-14			367	130	A 129
52-10-09			50	100	A 13	54-04-20			407	170	A 187
52-10-14			36	100	A 9.7	54-04-26			375	190	A 192

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
54-05-01			54700	6230	A 920000	55-11-22			199	150	A 81
54-05-02			158000	9750	A 4160000	55-11-30			172	410	A 190
54-05-03			103000	6780	A 1890000	55-12-05			211	270	A 154
54-05-04			69000	4890	A 911000	55-12-13			174	240	A 113
54-05-05			34500	1580	A 147000	55-12-22			165	160	A 71
54-05-07			12000	1010	A 32700	55-12-27			165	160	A 71
54-05-10			12200	2080	A 68500	56-01-06			169	160	A 73
54-05-13			34600	3790	A 354000	56-01-10			146	240	A 95
54-05-14			26000	2360	A 166000	56-01-17			142	160	A 61
54-05-20			4020	1350	A 14700	56-01-23			249	150	A 101
54-05-28			13500	3830	A 140000	56-02-01			375	310	A 314
54-06-02			2660	1480	A 10600	56-02-09			689	210	A 391
54-06-08			2350	1330	A 8440	56-02-16			673	180	A 327
54-06-23			756	180	A 367	56-02-19			6180	3650	A 60900
54-06-29			294	140	A 111	56-02-20			4000	1830	A 19800
54-07-06			216	280	A 163	56-02-27			566	170	A 260
54-07-13			154	310	A 129	56-03-12			171	140	A 65
54-07-19			81	200	A 44	56-03-20			161	150	A 65
54-07-24			30300	2250	A 184000	56-03-26			298	140	A 113
54-07-28			58	160	A 25	56-04-03			217	260	A 152
54-08-03			83	120	A 27	56-04-11			216	150	A 87
54-08-10			115	140	A 43	56-04-18			244	170	A 112
54-08-17			33	160	A 14	56-04-26			119	120	A 39
54-08-26			24	220	A 14	56-05-03			2220	1410	A 8450
54-08-31			27	190	A 14	56-05-07			744	120	A 241
54-09-10			16	140	A 6.0	56-05-15			1330	1070	A 3840
54-09-13			12	120	A 3.9	56-05-23			200	120	A 65
54-09-20			12	100	A 3.2	56-05-25			22800	5270	A 324000
54-09-28			10.0	130	A 3.5	56-05-26			16800	4140	A 188000
54-10-05			18	70	A 3.4	56-05-27			13700	4010	A 148000
54-10-12			38	140	A 14	56-05-28			5450	2040	A 30000
54-10-19			383	25100	A 26000	56-06-06			4090	7360	A 81300
54-10-29			311	650	A 546	56-06-12			1180	970	A 3090
54-11-01			95	310	A 80	56-06-19			315	150	A 128
54-11-08			62	270	A 45	56-06-26			150	110	A 45
54-11-16			53	160	A 23	56-07-02			398	230	A 247
54-11-22			53	170	A 24	56-07-10			101	200	A 55
54-11-29			28	120	A 9.1	56-07-16			78	120	A 25
54-12-13			88	150	A 36	56-07-25			136	130	A 48
54-12-20			114	180	A 55	56-07-31			132	120	A 43
55-01-03			1080	330	A 962	56-08-08			85	160	A 37
55-01-11			310	140	A 117	56-08-13			35	100	A 9.4
55-01-17			1600	330	A 1430	56-08-21			15	130	A 5.3
55-01-24			571	240	A 370	56-08-27			9.0	160	A 3.9
55-02-07			1980	960	A 5130	56-09-07			4.0	120	A 1.3
55-02-24			2170	380	A 2230	56-09-10			3.0	120	A 0.97
55-03-02			2150	890	A 5170	56-09-19			1.0	140	A 0.38
55-03-09			324	160	A 140	56-09-24			2.0	80	A 0.43
55-03-21			22200	1600	A 95900	56-10-02			1.0	100	A 0.27
55-03-22			21700	2480	A 145000	56-10-16			5.0	100	A 1.4
55-03-23			18400	1990	A 98900	56-10-25			2.0	90	A 0.49
55-03-25			10000	370	A 9990	56-11-01			5.0	60	A 0.81
55-04-01			1520	610	A 2500	56-11-05			45	70	A 8.5
55-04-11			633	130	A 222	56-11-13			202	690	A 376
55-04-20			688	120	A 223	56-11-19			72	130	A 25
55-04-27			654	130	A 230	56-11-27			121	210	A 69
55-05-04			334	80	A 72	56-12-04			38	150	A 15
55-05-13			12600	8320	A 283000	56-12-10			118	80	A 25
55-05-16			4200	500	A 5670	56-12-17			134	270	A 98
55-05-20			93000	13600	A 3410000	56-12-26			342	330	A 305
55-05-21			95700	7090	A 1830000	56-12-31			192	220	A 114
55-05-22			49000	4720	A 624000	57-01-09			134	100	A 36
55-05-23			28600	3030	A 234000	57-01-14			110	90	A 27
55-05-24			41000	16900	A 1870000	57-01-18			97	70	A 18
55-05-25			27400	10400	A 769000	57-01-22			141	140	A 53
55-05-27			19200	5440	A 282000	57-02-01			2870	1470	A 11400
55-06-02			8520	450	A 10400	57-02-06			8520	3470	A 79800
55-06-09			1960	310	A 1640	57-02-07			6980	3160	A 59600
55-06-20			4510	4030	A 49100	57-02-11			1950	1350	A 7110
55-06-28			3130	4160	A 35200	57-02-18			820	250	A 553
55-07-05			1680	6150	A 27900	57-02-20			353	190	A 181
55-07-18			653	360	A 635	57-02-25			315	150	A 128
55-07-28			313	70	A 59	57-03-07			8730	2730	A 64300
55-08-12			524	280	A 396	57-03-13			653	240	A 423
55-08-22			244	300	A 198	57-03-20			4170	1780	A 20000
55-08-30			1920	1890	A 9800	57-03-26			4230	1210	A 13800
55-09-09			170	100	A 46	57-04-04			70000	10800	A 2040000
55-09-14			422	180	A 205	57-04-05			42300	6010	A 686000
55-09-21			145	110	A 43	57-04-06			34800	6380	A 599000
55-09-26			4660	840	A 10600	57-04-08			16900	5110	A 233000
55-10-03			4440	870	A 10400	57-04-10			6410	3770	A 65200
55-10-05			21400	20700	A 1200000	57-04-15			3300	1070	A 9530
55-10-06			35300	13600	A 1300000	57-04-20			19300	4460	A 232000
55-10-07			14400	6690	A 260000	57-04-22			56500	11000	A 1680000
55-10-10			6860	3820	A 70800	57-04-23			88100	5200	A 1240000
55-10-26			518	210	A 294	57-04-24			86000	7890	A 1830000
55-10-31			366	280	A 277	57-04-25			47200	7350	A 937000
55-11-08			259	130	A 91	57-04-26			85000	3900	A 895000
55-11-15			230	280	A 174	57-04-29			32000	2360	A 204000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-04-30			29500	3070	A 245000	58-06-03			4190	4060	A 45900
57-05-01			25000	1880	A 127000	58-06-11			1450	9090	A 35600
57-05-02			27200	5150	A 378000	58-06-17			24100	7950	A 517000
57-05-03			33000	9160	A 816000	58-06-23			41200	15100	A 1680000
57-05-08			11700	7260	A 229000	58-06-24			23400	9850	A 622000
57-05-14			47000	10500	A 1330000	58-06-25			37400	8480	A 856000
57-05-15			32100	8040	A 697000	58-06-26			56600	6990	A 1070000
57-05-16			16100	4280	A 186000	58-06-27			33300	5490	A 494000
57-05-19			121000	15800	A 5160000	58-06-30			14400	3790	A 147000
57-05-20			54000	6260	A 913000	58-07-07			13200	1780	A 63400
57-05-21			45800	9350	A 1160000	58-07-16			6110	3210	A 53000
57-05-22			22000	5970	A 355000	58-07-24			4270	13300	A 153000
57-05-23			154000	6740	A 2800000	58-07-30			3780	7700	A 78600
57-05-24			74600	8830	A 1780000	58-08-08			3540	5190	A 49600
57-05-26			116000	5560	A 1740000	58-08-14			3210	2380	A 20600
57-05-27			95000	12200	A 3130000	58-08-20			4210	1460	A 16600
57-05-28			90700	4490	A 1100000	58-08-22			52500	9810	A 1390000
57-05-29			80000	11500	A 2480000	58-08-25			8140	2540	A 55800
57-05-31			42000	7230	A 820000	58-09-10			1250	240	A 810
57-06-03			66400	10100	A 1810000	58-09-17			3810	9420	A 96900
57-06-05			78600	7810	A 1660000	58-09-22			2500	2430	A 16400
57-06-07			47400	7190	A 920000	58-10-02			1110	630	A 1890
57-06-11			45400	6270	A 769000	58-10-06			789	260	A 554
57-06-15			102200	26400	A 7280000	58-10-16			701	230	A 435
57-06-16			106000	13800	A 3950000	58-10-22			416	120	A 135
57-06-17			36400	4310	A 424000	58-10-30			282	320	A 244
57-06-20			40800	4600	A 507000	58-11-04			276	300	A 224
57-06-24			39000	5340	A 562000	58-11-10			232	100	A 63
57-06-25			35500	4950	A 474000	58-11-18			2030	340	A 1860
57-06-26			30600	4290	A 354000	58-11-28			516	90	A 125
57-06-27			24000	2970	A 192000	58-12-04			857	230	A 532
57-07-03			9190	1270	A 31500	58-12-10			439	160	A 190
57-07-08			5880	800	A 12700	58-12-17			410	190	A 210
57-07-17			2310	640	A 3990	58-12-22			408	480	A 529
57-07-18			2040	660	A 3640	58-12-30			371	380	A 381
57-07-26			5200	1940	A 27200	59-01-08			413	380	A 424
57-08-02			1990	630	A 3380	59-01-14			493	250	A 333
57-08-08			1990	970	A 5210	59-01-22			299	160	A 129
57-08-12			4250	11300	A 130000	59-01-26			570	140	A 215
57-08-21			1830	2340	A 11600	59-02-04			502	330	A 447
57-08-29			1440	7770	A 30200	59-02-11			467	170	A 214
57-09-05			520	760	A 1070	59-02-18			820	250	A 553
57-09-10			405	210	A 230	59-02-26			442	60	A 72
57-09-16			25500	11700	A 806000	59-03-04			442	110	A 131
57-09-17			16800	5680	A 258000	59-03-10			2320	440	A 2760
57-09-23			24700	9330	A 622000	59-03-17			932	70	A 176
57-10-03			1430	430	A 1660	59-03-24			6490	1940	A 34000
57-10-08			669	130	A 235	59-03-30			2520	270	A 1840
57-10-15			594	90	A 144	59-04-08			1210	100	A 327
57-10-21			654	230	A 406	59-04-14			1000	180	A 486
57-10-28			1160	700	A 2190	59-04-20			14500	4770	A 187000
57-11-04			800	390	A 842	59-04-29			1310	220	A 778
57-11-13			3050	860	A 7080	59-05-04			745	180	A 362
57-11-20			9220	1110	A 27600	59-05-11			65800	4200	A 746000
57-11-25			1960	340	A 1800	59-05-12			46600	9060	A 1140000
57-12-03			1070	350	A 1010	59-05-13			36400	5340	A 525000
57-12-10			1330	290	A 1040	59-05-14			25900	5470	A 383000
57-12-19			719	170	A 330	59-05-15			17500	3340	A 158000
57-12-26			11500	5630	A 175000	59-05-18			4990	1270	A 17100
57-12-30			2170	300	A 1760	59-05-25			3370	440	A 4000
58-01-09			787	190	A 404	59-05-29			19200	10600	A 550000
58-01-16			1450	730	A 2860	59-06-03			6190	1190	A 19900
58-01-21			17700	3510	A 168000	59-06-09			6200	920	A 15400
58-01-24			7760	3190	A 66800	59-06-16			1610	140	A 609
58-01-28			2690	210	A 1530	59-06-22			700	90	A 170
58-02-05			1470	250	A 992	59-06-29			10900	3710	A 109000
58-02-10			3740	640	A 6460	59-07-08			3500	820	A 7750
58-02-18			1660	180	A 807	59-07-15			2060	960	A 5340
58-02-26			1230	260	A 863	59-07-22			16800	3010	A 137000
58-03-05			1340	250	A 905	59-07-27			75600	10200	A 2080000
58-03-11			11600	4540	A 142000	59-07-28			37600	7470	A 758000
58-03-14			13900	3400	A 128000	59-07-29			28200	1760	A 134000
58-03-17			9010	2420	A 58900	59-07-30			26400	2500	A 178000
58-03-24			22300	6170	A 371000	59-07-31			22600	4060	A 248000
58-03-25			18700	4900	A 247000	59-08-03			10400	2070	A 58100
58-03-31			14800	5160	A 206000	59-08-11			2860	660	A 5100
58-04-01			12500	2180	A 73600	59-08-20			632	170	A 290
58-04-07			4950	730	A 9760	59-08-25			776	70	A 147
58-04-16			5390	540	A 7860	59-09-02			4360	12000	A 141000
58-04-21			21400	6390	A 369000	59-09-09			2220	1750	A 10500
58-04-22			22200	2000	A 120000	59-09-15			862	430	A 1000
58-04-23			17200	1530	A 71100	59-09-21			392	140	A 148
58-05-02			11900	2620	A 84200	59-09-28			16100	7630	A 332000
58-05-05			27200	7100	A 521000	59-10-01			23000	4050	A 252000
58-05-06			22600	1940	A 118000	59-10-02			15000	3250	A 132000
58-05-09			33600	6720	A 610000	59-10-04			135000	13700	A 4990000
58-05-12			10800	2250	A 65600	59-10-05			108000	12700	A 3700000
58-05-19			3770	500	A 5090	59-10-07			59700	10200	A 1640000
58-05-29			2250	1280	A 7780	59-10-08			44000	8740	A 1040000

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-10-09			30800	7290	A 606000	61-02-16			2750	800	A 5940
59-10-10			23800	4990	A 321000	61-02-20			4550	1190	A 14600
59-10-12			17200	4660	A 216000	61-02-24			3400	840	A 7710
59-10-13			16800	3640	A 165000	61-03-01			2240	320	A 1940
59-10-16			13700	2490	A 92100	61-03-07			4270	720	A 8300
59-10-19			8800	1750	A 41600	61-03-13			1700	420	A 1930
59-10-30			1550	1400	A 5860	61-03-21			2200	470	A 2790
59-11-02			1590	410	A 1760	61-03-28			12600	3660	A 125000
59-11-05			39600	5750	A 615000	61-03-29			7960	1210	A 26000
59-11-06			23900	4210	A 272000	61-03-31			51000	5020	A 691000
59-11-09			9460	3270	A 83500	61-04-03			13500	1140	A 41600
59-11-18			2320	1300	A 8140	61-04-14			5340	1540	A 22200
59-11-24			1730	540	A 2520	61-04-19			2680	430	A 3110
59-12-03			1280	330	A 1140	61-04-24			1620	270	A 1180
59-12-07			1150	280	A 869	61-05-03			1030	180	A 501
59-12-16			5360	5730	A 82900	61-05-06			42800	6880	A 795000
59-12-18			44200	7690	A 918000	61-05-08			13500	2890	A 105000
59-12-24			10600	8150	A 233000	61-05-16			3280	550	A 4870
60-01-06			4540	2790	A 34200	61-05-22			7280	2780	A 54600
60-01-11			10100	890	A 24300	61-06-05			1890	490	A 2500
60-01-22			6970	1390	A 26200	61-06-12			4160	890	A 10000
60-01-27			3930	400	A 4240	61-06-20			5490	1410	A 20900
60-02-02			3390	520	A 4760	61-06-30			1680	580	A 2630
60-02-05			24800	4240	A 284000	61-07-10			3580	1950	A 18800
60-02-08			14600	3940	A 155000	61-07-20			10400	1950	A 54800
60-02-18			7670	5250	A 109000	61-07-25			14800	3750	A 150000
60-02-29			6490	620	A 10900	61-08-01			4520	460	A 5610
60-03-10			4720	1810	A 23100	61-08-08			794	90	A 193
60-03-15			9350	4580	A 116000	61-08-16			1080	240	A 700
60-03-23			3470	420	A 3930	61-08-22			1570	590	A 2500
60-03-29			3730	530	A 5340	61-08-29			1380	730	A 2720
60-04-07			2260	270	A 1650	61-09-06			592	180	A 288
60-04-12			1760	280	A 1330	61-09-14			22900	8950	A 553000
60-04-19			9760	1070	A 28200	61-09-16			12700	5310	A 182000
60-04-26			6620	360	A 6430	61-09-21			4120	2460	A 27400
60-05-02			20200	3100	A 169000	61-09-25			3940	790	A 8400
60-05-07			58400	12000	A 1890000	61-10-03			9880	4800	A 128000
60-05-10			21600	3710	A 216000	61-10-09			1330	250	A 898
60-05-18			10400	1220	A 34300	61-10-20			1930	640	A 3340
60-05-19			150000	10100	A 4090000	61-10-25			1060	380	A 1090
60-05-20			133000	10900	A 3910000	61-11-02			2930	940	A 7440
60-05-21			113000	9170	A 2800000	61-11-08			3130	1470	A 12400
60-05-23			59100	8750	A 1400000	61-11-15			2030	540	A 2960
60-05-27			8230	2610	A 58000	61-11-24			25900	7350	A 514000
60-06-01			8240	910	A 20200	61-11-27			12100	3620	A 118000
60-06-09			3880	740	A 7750	61-12-07			6640	5980	A 107000
60-06-13			14100	16700	A 636000	61-12-14			4460	600	A 7230
60-06-22			2900	2680	A 21000	61-12-26			3700	1000	A 9990
60-06-28			1920	440	A 2280	62-01-08			1920	400	A 2070
60-07-05			925	160	A 400	62-01-13			1280	730	A 2520
60-07-11			931	340	A 855	62-01-16			1830	410	A 2030
60-07-13			13200	26800	A 955000	62-01-17			2100	250	A 1420
60-07-18			4020	8650	A 93900	62-01-24			5600	4030	A 60900
60-07-23			24900	8620	A 580000	62-02-01			2830	300	A 2290
60-07-24			31700	11100	A 950000	62-02-05			2660	820	A 5890
60-07-25			31600	9320	A 795000	62-02-15			1390	210	A 788
60-07-26			30300	4610	A 377000	62-02-21			1590	180	A 773
60-07-27			31300	5060	A 428000	62-02-26			5900	1770	A 28200
60-07-29			11900	1920	A 61700	62-03-06			4560	890	A 11000
60-08-04			4530	680	A 8320	62-03-15			1260	120	A 408
60-08-10			2780	1190	A 8930	62-03-21			18200	4190	A 206000
60-08-17			6320	17500	A 299000	62-03-26			19000	5380	A 276000
60-08-23			10600	7370	A 211000	62-04-02			7610	4000	A 82200
60-09-01			1640	710	A 3140	62-04-11			2170	110	A 644
60-09-07			662	200	A 357	62-04-17			3570	540	A 5210
60-09-13			398	160	A 172	62-04-23			57200	8490	A 1310000
60-09-26			644	230	A 400	62-04-24			41500	6890	A 772000
60-10-03			1230	2540	A 8440	62-04-26			19700	1910	A 102000
60-10-10			590	640	A 1020	62-05-01			7940	850	A 18200
60-10-18			1490	2970	A 11900	62-05-07			2500	220	A 1490
60-10-20			7510	8390	A 170000	62-05-15			871	110	A 259
60-10-21			8910	9590	A 231000	62-05-25			470	50	A 63
60-10-24			11900	15500	A 498000	62-05-29			1000	260	A 702
60-11-02			4500	2690	A 32700	62-06-04			11200	5410	A 164000
60-11-08			1750	810	A 3830	62-06-08			9850	2750	A 73100
60-11-14			985	390	A 1040	62-06-12			22900	5970	A 369000
60-11-21			799	300	A 647	62-06-13			14800	3090	A 123000
60-11-28			722	290	A 565	62-06-18			7640	700	A 14400
60-12-05			734	460	A 912	62-06-28			5200	870	A 12200
60-12-12			16800	3920	A 178000	62-07-05			2110	460	A 2620
60-12-14			7320	2030	A 40100	62-07-11			1350	100	A 365
60-12-21			2330	1290	A 8120	62-07-25			16900	4230	A 193000
60-12-28			1360	400	A 1470	62-07-31			2070	820	A 4580
61-01-03			5540	1060	A 15900	62-08-07			6300	11300	A 192000
61-01-10			1470	330	A 1310	62-08-16			432	290	A 338
61-01-16			2600	450	A 3160	62-08-27			172	220	A 102
61-01-30			679	200	A 367	62-09-07			3000	1150	A 9320
61-02-01			940	280	A 711	62-09-12			3610	770	A 7510
61-02-06			928	1450	A 3630	62-09-20			5350	770	A 11100

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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07245000 CANADIAN RIVER NEAR WHITEFIELD, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-09-25			3120	1320	A 11100	64-02-13			27	250	A 18
62-10-02			1070	360	A 1040	64-02-14			15	510	A 21
62-10-08			606	210	A 344	64-02-18			9.0	100	A 2.4
62-10-16			1010	290	A 791	64-02-20			7.0	80	A 1.5
62-10-22			622	120	A 202	64-02-24			5.0	40	A 0.54
62-10-30			16000	4750	A 205000	64-02-28			5.0	90	A 1.2
62-11-06			903	270	A 658	64-03-04			12	140	A 4.5
62-11-07			1070	660	A 1910	64-03-11			52	320	A 45
62-11-13			1090	360	A 1060	64-03-13			16	170	A 7.3
62-11-20			567	200	A 306	64-03-17			12	90	A 2.9
62-11-26			645	190	A 331	64-03-25			14	130	A 4.9
62-11-28			16800	3670	A 166000	64-04-01			5.0	100	A 1.4
62-12-03			2280	590	A 3630	64-04-15			9.0	80	A 1.9
62-12-13			1010	610	A 1660	64-04-20			6.0	160	A 2.6
62-12-17			855	210	A 485	64-04-29			8.0	160	A 3.5
62-12-27			1930	340	A 1770	64-05-05			5.0	220	A 3.0
63-01-02			1130	230	A 702	64-05-19			15	100	A 4.0
63-01-09			1810	280	A 1370	64-05-27			5.0	220	A 3.0
63-01-15			926	270	A 675	64-06-01			8.0	130	A 2.8
63-01-16			752	350	A 711	64-06-10			4.0	100	A 1.1
63-01-18			820	170	A 376	64-06-16			3.0	120	A 0.97
63-01-21			752	290	A 589	64-06-25			2.0	80	A 0.43
63-01-24			334	300	A 271	64-07-07			1.0	100	A 0.27
63-01-31			548	280	A 414	64-07-14			1.0	70	A 0.19
63-02-01			674	190	A 346	64-07-17			963	510	A 1330
63-02-02			127	90	A 31	64-07-23			949	150	A 384
63-02-03			619	1360	A 2270	64-07-29			49	240	A 32
63-02-05			758	360	A 737	64-08-05			952	140	A 360
63-02-12			626	140	A 237	64-08-11			35	60	A 5.7
63-02-20			676	280	A 511	64-08-19			29	420	A 33
63-02-27			664	240	A 430	64-08-25			70	70	A 13
63-02-28			623	360	A 606	64-09-03			60	210	A 34
63-03-05			695	170	A 319	64-09-08			42	50	A 5.7
63-03-13			6430	2620	A 45500	64-09-15			27	40	A 2.9
63-03-14			3200	1270	A 11000	64-09-23			128	270	A 93
63-03-19			1220	330	A 1090	64-09-30			45	430	A 52
63-03-27			706	230	A 438	64-10-08			35	340	A 32
63-04-01			13700	6880	A 254000	64-10-15			38	30	A 3.1
63-04-03			6020	1690	A 27500	64-10-21			27	30	A 2.2
63-04-10			1550	280	A 1170	64-11-04			69	90	A 17
63-04-12			1120	180	A 544	64-11-13			70	40	A 7.6
63-04-18			597	110	A 177	64-11-19			3410	440	A 4050
63-04-25			464	470	A 589	64-12-07			55	50	A 7.4
63-04-27			50000	9700	A 1310000	64-12-22			7380	170	A 3390
63-04-29			37100	4640	A 465000	65-01-06			2860	310	A 2390
63-05-01			16600	1950	A 87400	65-02-25			150	740	A 300
63-05-02			9760	1440	A 37900	65-03-05			134	90	A 33
63-05-08			1900	520	A 2670	65-03-11			136	110	A 40
63-05-15			849	90	A 206	65-03-17			223	40	A 24
63-05-20			612	90	A 149	65-03-26			128	50	A 17
63-05-29			3900	660	A 6950	65-03-31			4790	400	A 5170
63-06-04			1080	300	A 875	65-04-13			1240	130	A 435
63-06-11			1640	1700	A 7530	65-04-22			112	20	A 6.0
63-06-18			590	230	A 366	65-04-29			179	50	A 24
63-06-27			2840	5060	A 38800	65-05-04			1740	210	A 987
63-07-03			500	460	A 621	65-05-12			285	40	A 31
63-07-11			281	40	A 30	65-05-20			143	110	A 42
63-07-15			3630	810	A 7940	65-05-24			52	40	A 5.6
63-07-25			188	130	A 66	65-06-02			209	40	A 23
63-07-30			5100	1920	A 26400	65-06-07			59	40	A 6.4
63-08-12			464	170	A 213	65-06-22			115	50	A 16
63-08-22			135	70	A 26	65-06-28			73	40	A 7.9
63-08-28			84	1820	A 413	65-07-07			269	40	A 29
63-09-05			79	210	A 45	65-07-16			255	210	A 145
63-09-13			138	610	A 227	65-07-21			10800	790	A 23000
63-09-17			171	220	A 102	65-07-29			1100	100	A 297
63-09-26			97	140	A 37	65-08-12			322	100	A 87
63-10-03			55	50	A 7.4	65-08-19			12400	850	A 28500
63-10-11			35	310	A 29	65-08-25			12500	100	A 3380
63-10-17			27	870	A 63	65-09-02			424	70	A 80
63-10-23			24	140	A 9.1	65-09-09			263	100	A 71
63-10-31			22	260	A 15	65-09-15			10300	650	A 18100
63-11-05			27	180	A 13	65-09-20			100	100	A 27
63-11-15			17	350	A 16	65-10-01			236	100	A 64
63-11-21			47	210	A 27	65-10-12			323	100	A 87
63-12-03			171	120	A 55	65-10-20			2640	100	A 713
63-12-13			221	160	A 95	65-10-21			322	100	A 87
63-12-19			172	180	A 84	65-10-25			78	100	A 21
63-12-27			154	50	A 21	65-11-02			5690	100	A 1540
64-01-03			178	40	A 19	65-11-08			302	100	A 82
64-01-08			160	610	A 264	65-11-15			4720	100	A 1270
64-01-14			104	100	A 28	65-11-22			80	100	A 22
64-01-17			138	50	A 19	65-12-03			297	100	A 80
64-01-20			117	550	A 174	65-12-13			67	100	A 18
64-01-28			124	150	A 50	65-12-20			63	100	A 17
64-02-04			157	70	A 30	65-12-28			189	100	A 51
64-02-10			861	320	A 744	66-01-05			119	100	A 32
64-02-11			68	140	A 26	66-01-13			118	100	A 32
64-02-12			25	160	A 11	66-01-21			247	100	A 67

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
66-02-02			159	100	A	43	67-08-29		410	10	A	11
66-02-11			211	80	A	46	67-09-07		278	40	A	30
66-02-23			148	100	A	40	67-09-13		573	100	A	155
66-03-03			239	100	A	65	67-09-20		301	100	A	81
66-03-09			201	100	A	54	67-09-28		264	720	A	513
66-03-15			241	70	A	46	67-10-04		296	30	A	24
66-03-24			216	80	A	47	67-10-09		62	30	A	5.0
66-03-29			141	100	A	38	67-10-18		150	30	A	12
66-04-04			2020	1310	A	7140	67-11-02		75	30	A	6.1
66-04-13			1770	80	A	382	67-11-06		51	30	A	4.1
66-04-19			154	100	A	42	67-11-16		3020	170	A	1390
66-04-21			186	150	A	75	67-11-20		12000	2880	A	93300
66-04-24			558	370	A	557	67-11-28		4420	70	A	835
66-04-27			224	80	A	48	67-12-04		12900	820	A	28600
66-04-29			284	770	A	590	67-12-13		1070	370	A	1070
66-05-02			351	150	A	142	67-12-18		142	70	A	27
66-05-09			101	100	A	27	67-12-26		78	30	A	6.3
66-05-16			388	500	A	524	68-01-11		970	820	A	2150
66-05-17			7280	680	A	13400	68-01-16		440	40	A	48
66-05-19			450	390	A	474	68-01-17		3880	690	A	7230
66-05-27			268	100	A	72	68-01-25		415	1000	A	1120
66-06-01			8600	970	A	22500	68-02-05		4900	70	A	926
66-06-07			13300	970	A	34800	68-02-23		11000	6100	A	181000
66-06-13			89	100	A	24	68-02-26		299	110	A	89
66-06-15			10300	550	A	15300	68-03-04		7140	820	A	15800
66-06-20			3590	200	A	1940	68-03-12		8880	650	A	15600
66-06-23			348	100	A	94	68-03-23		14300	830	A	32000
66-06-27			89	100	A	24	68-03-26		14000	740	A	28000
66-06-29			8800	170	A	4040	68-03-27		23100	1490	A	92900
66-07-05			81	100	A	22	68-03-28		38500	2250	A	234000
66-07-12			11300	520	A	15900	68-03-29		51340	1270	A	176000
66-07-18			108	100	A	29	68-04-01		300	120	A	97
66-07-25			93	100	A	25	68-04-02		611	700	A	1150
66-08-02			12100	510	A	16700	68-04-08		14200	1050	A	40300
66-08-08			96	100	A	26	68-04-17		8050	390	A	8480
66-08-18			493	50	A	67	68-04-24		14000	1140	A	43100
66-08-24			550	10	A	15	68-04-30		12700	280	A	9600
66-08-30			11300	820	A	25000	68-05-08		1360	30	A	110
66-09-06			339	100	A	92	68-05-14		8650	360	A	8410
66-09-14			497	100	A	134	68-05-20		51000	2100	A	289000
66-09-20			470	240	A	305	68-05-24		43700	2920	A	345000
66-09-26			95	130	A	33	68-05-27		36100	1040	A	101000
66-10-04			70	90	A	17	68-05-29		15000	1020	A	41300
66-10-06			7520	180	A	3650	68-06-03		2220	60	A	360
66-10-10			71	100	A	19	68-06-07		13500	930	A	33900
66-10-19			303	100	A	82	68-06-13		11900	500	A	16100
66-10-24			70	100	A	19	68-06-19		548	110	A	163
66-11-02			7980	1130	A	24300	68-07-01		9630	100	A	2600
66-11-09			303	100	A	82	68-07-15		7710	240	A	5000
66-11-14			76	100	A	21	68-07-23		8440	220	A	5010
66-11-23			7460	480	A	9670	68-07-29		361	90	A	88
66-11-29			421	100	A	114	68-08-09		315	60	A	51
66-12-05			83	100	A	22	68-08-13		570	70	A	108
66-12-16			259	40	A	28	68-08-20		442	50	A	60
66-12-19			69	100	A	19	68-08-28		291	30	A	24
66-12-29			178	50	A	24	68-09-06		333	2390	A	2150
67-01-05			137	20	A	7.4	68-09-12		595	1200	A	1930
67-01-13			131	30	A	11	68-09-16		75	50	A	10
67-01-17			139	100	A	38	68-09-23		100	20	A	5.4
67-01-25			181	40	A	20	68-10-03		403	180	A	196
67-01-30			60	100	A	16	68-10-08		385	30	A	31
67-02-06			48	60	A	7.8	68-10-15		360	140	A	136
67-02-13			57	100	A	15	68-10-23		335	120	A	109
67-02-21			126	100	A	34	68-10-28		59	40	A	6.4
67-02-27			67	100	A	18	68-11-07		7930	150	A	3210
67-03-10			218	70	A	41	68-11-21		259	70	A	49
67-03-23			139	100	A	38	68-11-25		76	60	A	12
67-03-30			198	30	A	16	68-12-02		159	80	A	34
67-04-07			191	100	A	52	68-12-03		4380	250	A	2960
67-04-12			612	520	A	859	68-12-13		106000	280	A	80100
67-04-17			588	490	A	778	68-12-19		4440	110	A	1320
67-04-27			67	60	A	11	68-12-23		390	370	A	390
67-05-01			2180	200	A	1180	69-01-03		12400	270	A	9040
67-05-10			7970	780	A	16800	69-01-06		12700	570	A	19500
67-05-18			196	30	A	16	69-01-14		453	70	A	86
67-05-22			91	70	A	17	69-01-23		465	120	A	151
67-06-01			176	50	A	24	69-01-31		11900	160	A	5140
67-06-06			199	130	A	70	69-02-06		15200	1240	A	50900
67-06-13			183	100	A	49	69-02-17		13100	1010	A	35700
67-06-20			488	100	A	132	69-02-25		23000	2190	A	136000
67-06-29			129	100	A	35	69-03-04		14400	510	A	19800
67-07-03			60	40	A	6.5	69-03-13		8530	580	A	13400
67-07-10			132	70	A	25	69-03-26		14500	640	A	25100
67-07-18			68	60	A	11	69-04-07		10400	360	A	10100
67-07-28			188	130	A	66	69-04-21		13000	70	A	2460
67-08-01			98	190	A	50	69-04-30		14600	340	A	13400
67-08-09			249	100	A	67	69-05-08		26800	1910	A	138000
67-08-17			260	20	A	14	69-05-12		21100	280	A	16000
67-08-23			4840	230	A	3010	69-05-21		30100	730	A	59300

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
+++++												
69-05-26			13800	270	A	10100			237	60	A	38
69-06-03			533	50	A	72			355	80	A	77
69-06-12			767	50	A	104			100	40	A	11
69-06-19			557	80	A	120			188	210	A	107
69-06-24			488	900	A	1190			115	20	A	6.2
69-07-01			549	40	A	59			121	10	A	3.3
69-07-11			348	1070	A	1010			568	50	A	77
69-07-23			510	1180	A	1620			515	110	A	153
69-07-28			102	90	A	25			373	20	A	20
69-08-06			562	50	A	76			345	40	A	37
69-08-14			671	120	A	217			271	40	A	29
69-08-18			352	70	A	67			426	40	A	46
69-08-28			413	30	A	33			572	60	A	93
69-09-02			109	130	A	38			8120	80	A	1750
69-09-08			131	20	A	7.1			524	250	A	354
69-09-22			232	50	A	31			588	140	A	222
69-09-30			451	40	A	49			608	50	A	82
69-10-09			84	110	A	25			8660	220	A	5140
69-10-17			491	180	A	239			100	30	A	8.1
69-10-23			542	90	A	132			490	90	A	119
69-10-27			85	50	A	11			724	650	A	1270
69-11-03			3740	90	A	909			11700	180	A	5690
69-11-13			382	110	A	113			682	100	A	184
69-11-14			514	50	A	69			3850	2020	A	21000
69-11-17			13500	1400	A	51000			13000	260	A	9130
69-11-28			151	370	A	151			21300	1360	A	78200
69-12-04			8820	180	A	4290			27200	760	A	55800
69-12-08			124	60	A	20			12400	700	A	23400
69-12-15			114	150	A	46			164	110	A	49
69-12-24			271	120	A	88			145	80	A	31
69-12-27			85	70	A	16			7350	140	A	2780
70-01-13			409	80	A	88			13300	1330	A	47800
70-01-28			590	40	A	64			13400	270	A	9770
70-01-28	0001		418	40	A	45			126	50	A	17
70-02-03			330	40	A	36			413	50	A	56
70-02-06			4420	70	A	835			173	50	A	23
70-02-09			91	60	A	15			96	50	A	13
70-02-20			11100	480	A	14400			112	90	A	27
70-02-27			470	60	A	76			8570	250	A	5780
70-03-04			284	50	A	38			89	20	A	4.8
70-03-19			467	90	A	113			77	30	A	6.2
70-03-23			360	30	A	29			88	50	A	12
70-04-01			334	20	A	18			124	70	A	23
70-04-06		114	30	A	9.2			67	30	A	5.4	
70-04-17		1140	580	A	1790			12200	90	A	2960	
70-04-28		12400	730	A	24400			352	20	A	19	
70-05-04		126	810	A	276			96	20	A	5.2	
70-05-11		14000	170	A	6430			493	90	A	120	
70-05-22		637	840	A	1440			95	20	A	5.1	
70-05-25		334	60	A	54			79	20	A	4.3	
70-06-09		934	90	A	227			354	60	A	57	
70-06-15		392	110	A	116			152	30	A	12	
70-06-26		364	270	A	265			354	20	A	19	
70-07-02		409	1080	A	1190			393	20	A	21	
70-07-06		117	770	A	243			72	20	A	3.9	
70-07-14		291	240	A	189			372	40	A	40	
70-07-27		11300	280	A	8540			77	20	A	4.2	
70-08-06		563	340	A	517			198	40	A	21	
70-08-18		512	180	A	249			7980	110	A	2370	
70-08-25		430	400	A	464			14200	60	A	2300	
70-09-02		311	180	A	151			210	30	A	17	
70-09-03		127	160	A	55			475	30	A	38	
70-09-17		102	280	A	77			10800	320	A	9330	
70-09-25		79	240	A	51			14600	2050	A	80800	
70-09-30		241	690	A	449			14800	200	A	7990	
70-10-06		147	40	A	16			14400	390	A	15200	
70-10-13		14100	440	A	16800			135	10	A	3.6	
70-10-20		13100	210	A	7430			22100	610	A	36400	
70-10-28		35000	820	A	77500			20200	1360	A	74200	
70-11-02		35900	990	A	96000			23300	260	A	16400	
70-11-04		20000	390	A	21100			14400	120	A	4670	
70-11-17		4540	60	A	735			25500	710	A	48900	
70-11-24		4790	70	A	905			37900	3710	A	380000	
70-12-01		389	80	A	84			53700	1730	A	251000	
70-12-11		15000	270	A	10900			30700	340	A	28200	
70-12-24		363	320	A	314			26300	70	A	4970	
71-01-08		9470	270	A	6900			24200	340	A	22200	
71-01-11		117	110	A	35			14200	60	A	2300	
71-01-18		136	50	A	18			34300	510	A	47200	
71-01-27		328	340	A	301			34600	360	A	33600	
71-02-02		567	110	A	168			564	70	A	107	
71-02-16		573	170	A	263			622	40	A	67	
71-02-24		9640	210	A	5470			300	100	A	81	
71-03-08		103	60	A	17			5340	40	A	577	
71-03-19		427	240	A	277			94	30	A	7.6	
71-03-23		469	60	A	76			265	70	A	50	
71-03-29		292	60	A	47			115	50	A	16	
71-04-12		72	40	A	7.8			86	220	A	51	
71-04-22		388	50	A	52			519	80	A	112	

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

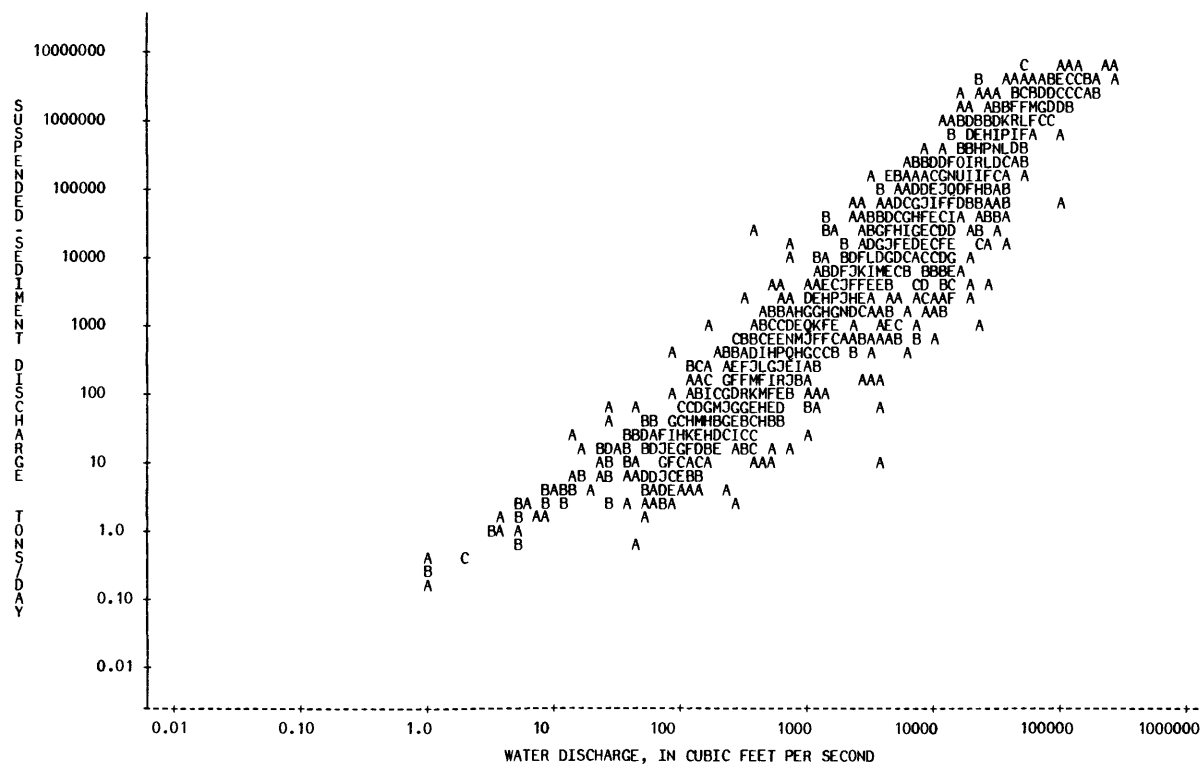
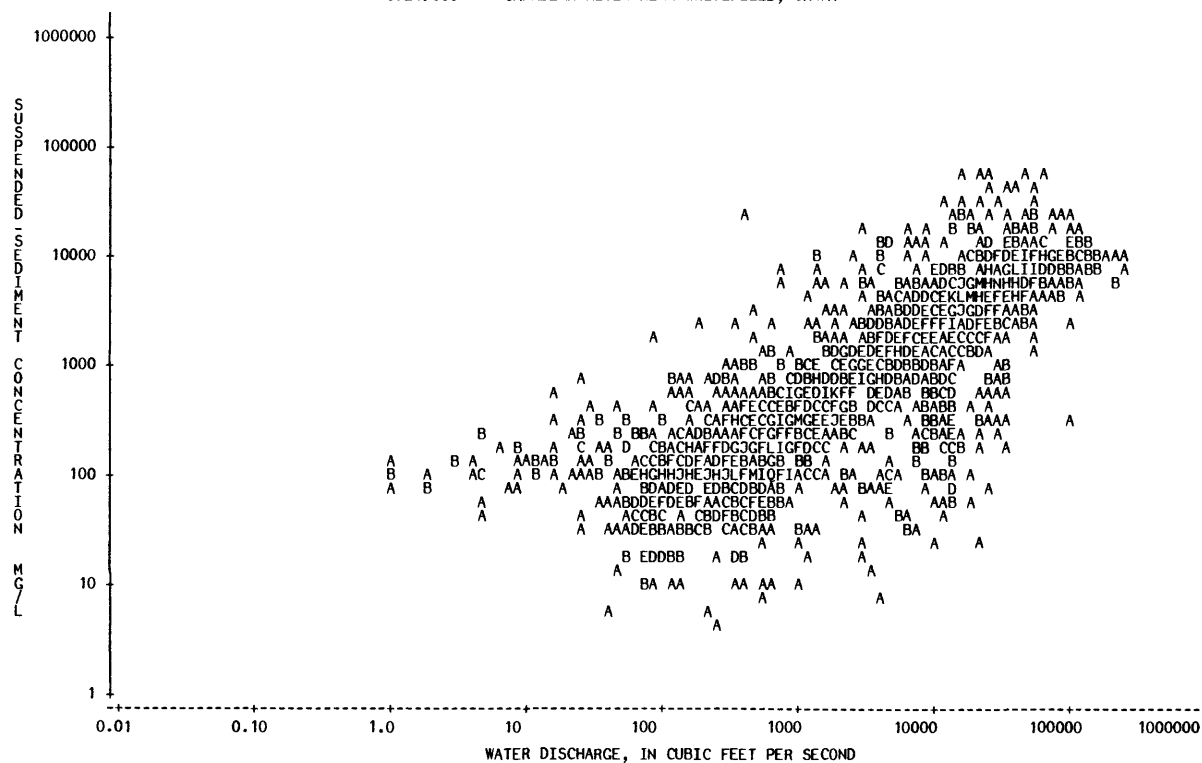
07245000 CANADIAN RIVER NEAR WHITEFIELD, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-10-01			92	30	A 7.5	76-06-01			605	30	A 49
73-10-26			294	40	A 32	76-06-14			490	1070	A 1420
73-11-06			330	20	A 18	76-07-01			347	10	A 9.4
73-11-20			709	60	A 115	76-07-06			90	20	A 4.9
73-11-27			11900	1300	A 41800	76-07-08	1130		757	*	7910 16200
73-11-30			27100	1520	A 111000	76-07-19			84	120	A 27
73-12-05			19800	90	A 4810	76-08-06			480	30	A 39
73-12-10			27700	260	A 19400	76-08-23			96	50	A 13
74-01-07			172	2390	A 1110	76-09-02			4790	80	A 1030
74-02-05			417	260	A 293	76-09-09	1100		1070	*	9 26
74-02-22			11400	480	A 14800	76-09-13			68	30	A 5.5
74-03-04			280	70	A 53	76-09-29			103	40	A 11
74-03-26			14500	210	A 8220	76-10-05			163	90	A 40
74-04-23			3260	360	A 3170	76-10-18			66	100	A 18
74-05-07			13600	530	A 19500	76-10-26			4350	100	A 1170
74-05-23			887	600	A 1440	76-11-12			360	140	A 136
74-06-05			14100	300	A 11400	76-11-22			79	30	A 6.4
74-06-17			22300	320	A 19300	76-12-07			178	60	A 29
74-06-18			39800	4350	A 467000	76-12-20			69	60	A 11
74-06-20			29900	2800	A 226000	77-01-07			320	100	A 86
74-07-03			1020	30	A 83	77-01-20			164	70	A 31
74-07-11			938	30	A 76	77-02-03			147	50	A 20
74-07-27			860	60	A 139	77-02-14			85	90	A 21
74-08-02			638	100	A 172	77-03-18			159	50	A 21
74-08-05			97	50	A 13	77-03-31			245	40	A 26
74-08-23			447	70	A 84	77-04-11			75	20	A 4.0
74-09-04			127	50	A 17	77-04-25			92	160	A 40
74-09-09			76	90	A 18	77-05-09			67	30	A 5.4
74-09-20			2290	1010	A 6240	77-05-25			1260	30	A 102
74-10-04			580	30	A 47	77-06-02			10900	7860	A 231000
74-10-10			10900	180	A 5300	77-06-20			89	70	A 17
74-10-22	1100		2910	*	21 165	77-07-11			77	10	A 2.1
74-10-24			466	40	A 50	77-08-08			84	30	A 6.8
74-11-06			566	120	A 183	77-08-22			68	60	A 11
74-11-12	1030		19100	*	55 2840	77-09-09			71	20	A 3.8
74-11-13			26600	560	A 40200	77-09-19			71	30	A 5.8
74-11-20			36400	770	A 75700	77-10-05	1015		87	*	410 A 96
74-12-09			1140	90	A 277	77-10-17	1010		54	*	20 A 2.9
74-12-16			14600	100	A 3940	77-10-19	1300	3110	*	70	588
75-01-03			730	100	A 197	77-11-02	1117		73	*	50 A 9.9
75-01-16			14300	190	A 7340	77-11-11	1045		275	*	40 30
75-01-16	1100		14400	*	76 2950	77-11-16	0930	1190	*	17	55
75-01-30			694	260	A 487	77-11-16	1045		275		40 A 30
75-02-11			14000	170	A 6430	77-11-28	1030		48	*	30 3.9
75-02-19	1200		8890	*	306 7340	77-12-12	1031		57	*	20 A 3.1
75-02-26			31200	990	A 83400	77-12-14	1130		536	*	25 36
75-03-11			15500	170	A 7110	77-12-27	1046		54	*	90 A 13
75-03-18	1400		21000	*	180 10200	78-01-10	1100	2130	*	81	466
75-03-21			31000	510	A 42700	78-01-23	1015		89	*	50 A 12
75-03-31			255	150	A 103	78-02-06	1010		77	*	70 A 15
75-04-15	1330		9880	*	21 560	78-02-16	1015		86	*	70 A 16
75-04-16			10200	50	A 1380	78-02-28	1100		458	*	162 200
75-04-29			14600	70	A 2760	78-03-07	1300		657	*	72 128
75-05-12			14300	80	A 3090	78-03-10	1010		293	*	30 A 24
75-05-19			21300	2370	A 136000	78-04-04	1630		3050	*	20 165
75-05-29	1030		21400	*	22 1270	78-05-02	0830		3610	*	15 146
75-06-02			23800	480	A 30800	78-07-26	1200		4170	*	80 901
75-06-10	1030		11200	*	49 1480	78-08-02	1300		3800	*	1 10
75-06-30			11300	50	A 1530	78-10-31	0845		50		13 1.8
75-07-08	1330		6220	*	28 470	78-11-16	1230		101		51 14
75-07-09			469	40	A 51	78-12-14	1230		207		36 20
75-07-22			572	40	A 62	79-01-10	1345		2950		44 350
75-08-07	1125		6720	*	31 562	79-02-27	1250		2846		76 584
75-08-08			628	60	A 102	79-03-28	0900		140		34 13
75-08-18			152	130	A 53	79-04-26	0945		647	2090	3650
75-09-04			735	90	A 179	79-05-10	0930		3489		77 725
75-09-08			117	80	A 25	79-06-13	0900		34940	175	16500
75-09-22			80	20	A 4.3	79-07-03	1000		669	108	195
75-09-29			4120	1590	A 17700	79-08-02	1000		399	60	65
75-10-14			677	10	A 18	79-09-05	0930		59	50	8.0
75-10-20			75	130	A 26	79-10-11	1030		378	33	34
75-10-30			134	670	A 242	79-11-29	1000		100	20	5.4
75-11-12	1330		4530	*	152 1860	79-12-17	1545		5280	38	542
75-11-20			422	70	A 80	80-01-21	1530		6800	45	826
75-12-02			8750	100	A 2360	80-02-26	0815		90	10	2.4
75-12-15			92	50	A 12	80-03-11	1430		4020	7	76
75-12-31			121	70	A 23	80-04-15	1400		42	6	0.68
76-01-14			102	40	A 11	80-05-20	1500		98	63	17
76-01-26			80	40	A 8.6	80-06-09	1400		7700	32	665
76-02-03	1130		1080	*	24 70	80-07-07	1100		520	8	11
76-02-09			76	10	A 2.1	80-08-05	1330		256	4	2.8
76-02-25			177	30	A 14	80-09-09	1230		212	6	3.4
76-03-02	1330		750	*	76 154						
76-03-10			219	70	A 41						
76-03-22			83	20	A 4.5						
76-04-05			92	40	A 9.9						
76-04-09			12700	300	A 10300						
76-04-23			13400	280	A 10100						
76-05-17			13500	130	A 4740						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07245000 CANADIAN RIVER NEAR WHITEFIELD, OKLA.



## ARKANSAS RIVER BASIN

07245030 TALOKA CREEK NEAR STIGLER, OKLA.

LOCATION.--Lat 35°17'46", long 95°07'56", in NE 1/4 SE 1/4 sec.36, T.10 N., R.20 E., Haskell County, Hydrologic Unit 11090204, at county road bridge, 2.4 mi (3.8 km) north, on county road at west edge of Stigler, and at mile 9.6 (15.4 km).

DRAINAGE AREA.--20.1 mi<sup>2</sup> (52.1 km<sup>2</sup>).

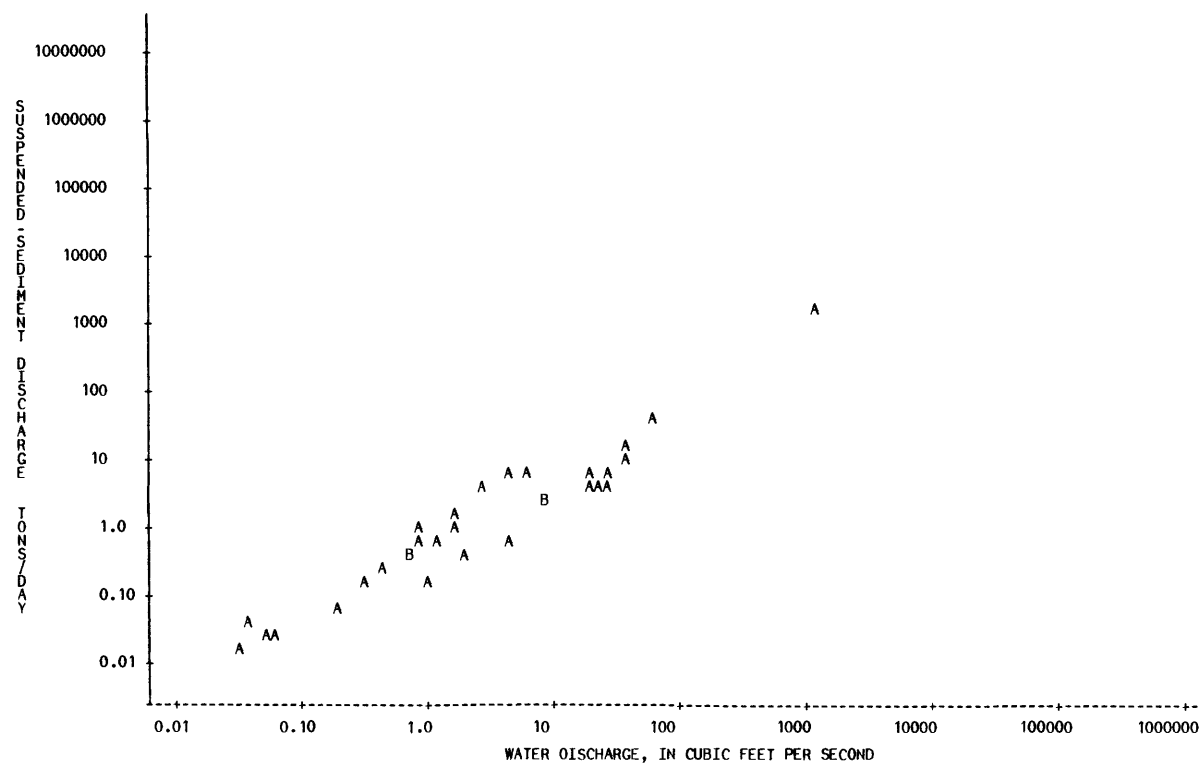
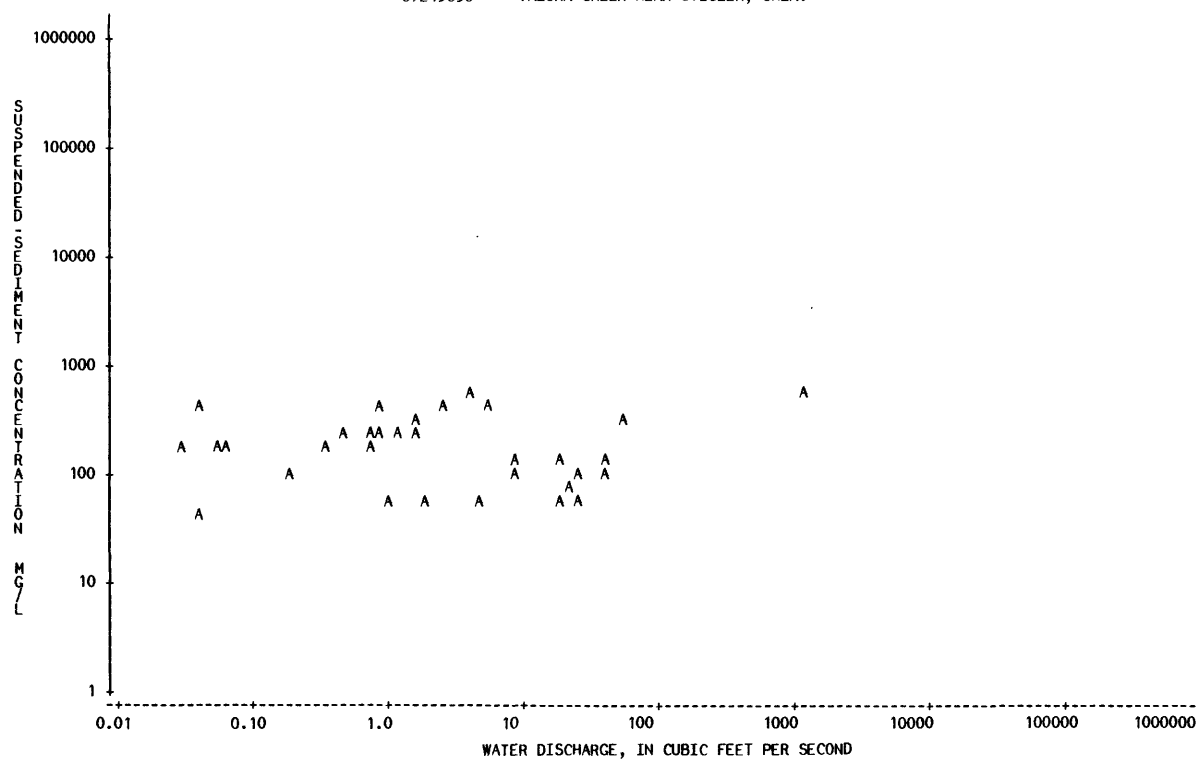
PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-10-19		1530	0.19	114	0.06
78-11-10		0930	0.32	178	0.15
78-12-05		1530	1.6	262	1.1
78-12-21		0905	0.44	226	0.27
79-02-02		1030	4.7	59	0.75
79-02-14		0745	25	112	7.6
79-03-01		1045	27	63	4.6
79-03-13		1030	8.8	126	3.0
79-03-24		1330	20	62	3.3
79-04-10		1315	8.8	101	2.4
79-04-11		1537	1150	535	1660
79-04-25		0830	40	143	15
79-05-04		1100	38	104	11
79-05-29		1300	57	328	50
79-06-06		0930	20	134	7.2
79-06-26		1220	5.7	445	6.9
79-07-12		1425	2.7	485	3.5
79-08-17		1210	4.2	514	5.8
79-09-17		1530	1.1	252	0.75
79-09-26		0930	1.7	365	1.7
79-10-10		1510	0.77	238	0.49
79-10-24		1245	0.84	428	0.97
79-11-14		1020	0.76	202	0.41
79-11-28		0920	0.05	197	0.03
79-12-10		1450	0.06	179	0.03
79-12-19		1200	0.04	429	0.05
80-01-15		1050	0.84	236	0.54
80-02-21		1050	0.03	206	0.02
80-03-21		1150	2.0	61	0.33
80-04-21		1640	0.04	38	0.00
80-05-29		1930	0.93	60	0.15
80-06-21		1145	22	68	4.0

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07245030 TALOKA CREEK NEAR STIGLER, OKLA.





## ARKANSAS RIVER BASIN

07246000 SANS BOIS CREEK NEAR KEOTA, OKLA.

LOCATION.--Lat 35°16', long 94°58', in NW 1/4 sec. 15, T.9 N., R.22 E., Haskell County, Hydrologic Unit 11110104, at bridge on State Highway 10, 2.5 mi (4.0 km) west of Keota, and at mile 13.0 (20.9 km).

DRAINAGE AREA.--346 mi<sup>2</sup> (896 km<sup>2</sup>).

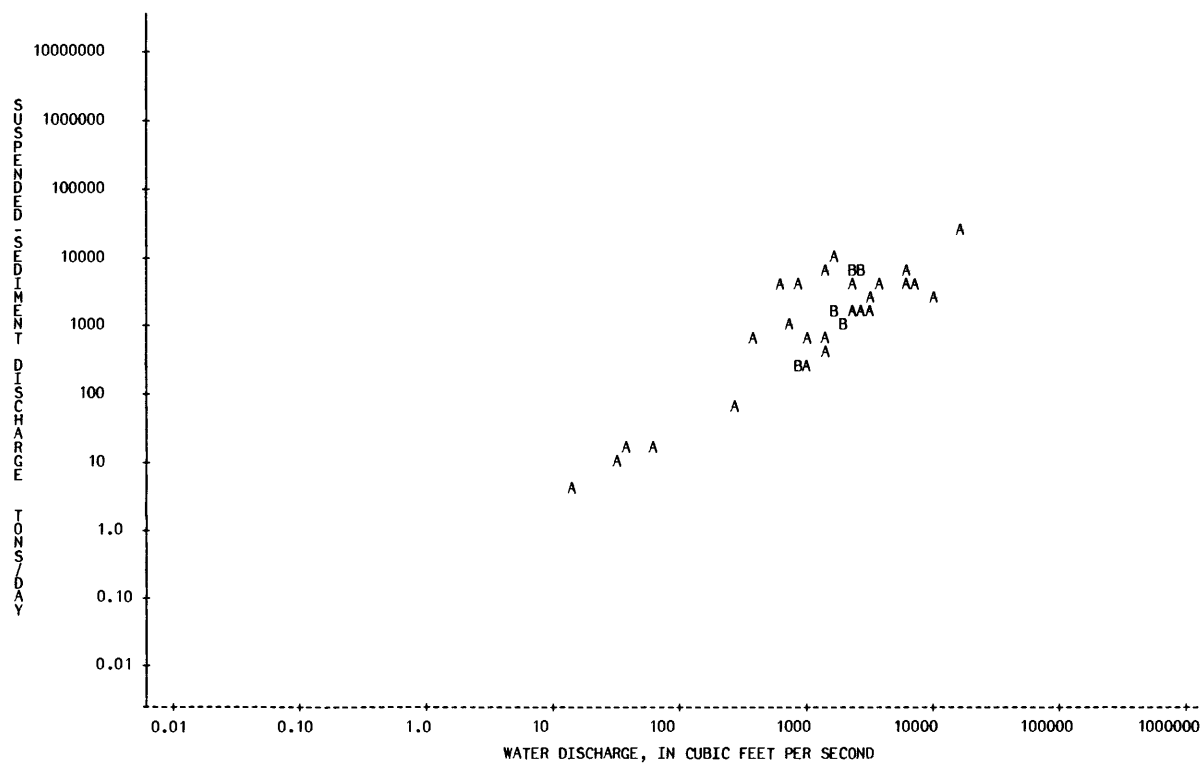
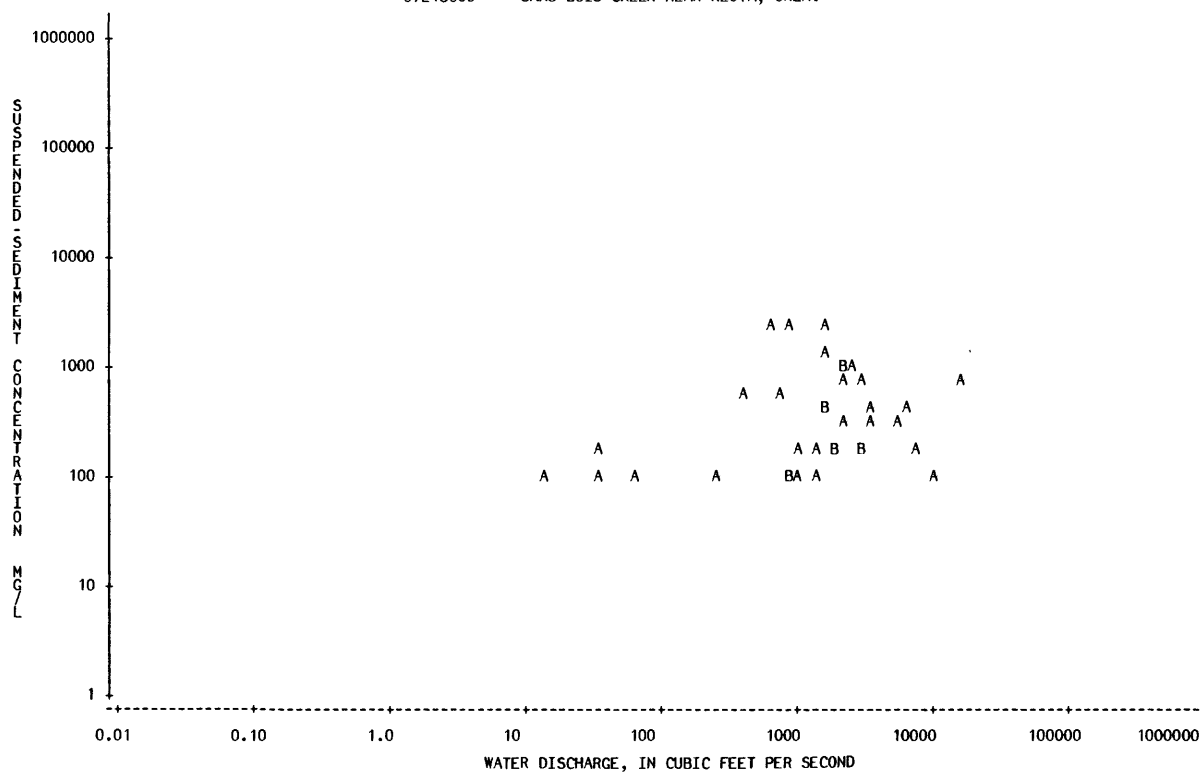
PERIOD OF RECORD.--Water years 1938-42.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-24			36	200	A	19					
39-07-01			13	100	A	3.5					
40-04-08			721	500	A	973					
40-04-11			1570	2600	A	11000					
40-04-12	0001		2610	900	A	6340					
40-04-12	0002		2840	700	A	5370					
40-04-13			3310	300	A	2680					
40-04-14			1810	200	A	977					
40-06-07			627	2400	A	4060					
40-06-25			32	100	A	8.6					
40-11-26			396	500	A	535					
40-12-17			1680	400	A	1810					
41-01-01			2300	1000	A	6210					
41-01-04			3020	200	A	1630					
41-01-06			263	100	A	71					
41-01-14			66	100	A	18					
41-04-16			2310	800	A	4990					
41-04-19			1480	1500	A	5990					
41-04-20			2290	900	A	5560					
41-05-01			1970	200	A	1060					
41-05-02			1080	100	A	292					
41-06-02			838	2200	A	4980					
41-10-06			1570	400	A	1700					
41-10-17			2790	200	A	1510					
41-10-31			7480	200	A	4040					
41-11-01			9530	100	A	2570					
41-11-24			1380	100	A	373					
42-02-17			2110	300	A	1710					
42-02-18			1370	200	A	740					
42-03-04			1050	200	A	567					
42-03-05			820	100	A	221					
42-04-09			6330	400	A	6840					
42-04-11			3580	400	A	3870					
42-04-22			886	100	A	239					
42-04-26			16700	700	A	31600					
42-04-27			5660	300	A	4580					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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07246000 SANS BOIS CREEK NEAR KEOTA, OKLA.



## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.

LOCATION.--Lat 35°20'58", long 94°46'16", in SE 1/4 SW 1/4 sec. 9, T.10 N., R.24 E., Le Flore County, Hydrologic Unit 11110104, at downstream right abutment of bridge on U.S. Highway 59, 0.4 mi (0.6 km) downstream from Robert S. Kerr Lock and Dam, 7.5 mi (12.1 km) south of Sallisaw, and at mile 394.9 (635.4 km).

DRAINAGE AREA.--147,757 mi<sup>2</sup> (382,691 km<sup>2</sup>), of which 22,241 mi<sup>2</sup> (57,604 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1943-72.

REMARKS.--Flow slightly to completely regulated by one or more major lakes and reservoirs since 1941.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-06-01			103000	1600	A 445000	44-04-29			152000	5500	A 2260000
43-06-03			47100	1200	A 153000	44-05-05			203000	2500	A 1370000
43-06-05			52700	1000	A 142000	44-05-12			61300	2100	A 348000
43-06-07			143000	2300	A 888000	44-05-19			28000	800	A 60500
43-06-09			101000	1400	A 382000	44-06-02			37500	1700	A 172000
43-06-11			64400	800	A 139000	44-06-10			61900	2900	A 485000
43-06-14			55000	800	A 119000	44-06-16			90500	4200	A 1030000
43-06-16			43000	500	A 58100	44-06-22			27000	900	A 65600
43-06-21			21600	400	A 23300	44-07-01			18200	600	A 29500
43-06-28			64500	1300	A 226000	44-07-10			11400	300	A 9230
43-07-06			15600	700	A 29500	44-07-18			19700	1100	A 58500
43-07-12			12400	300	A 10000	44-07-24			10500	300	A 8510
43-07-19			9300	200	A 5020	44-07-31			14200	400	A 15300
43-07-26			15300	400	A 16500	44-08-11			9430	300	A 7640
43-08-02			7340	100	A 1980	44-08-25			8710	200	A 4700
43-08-13			6090	300	A 4930	44-09-08			22800	1000	A 61600
43-08-20			4560	100	A 1230	44-09-14			11300	2200	A 67100
43-08-27			4670	100	A 1260	44-09-22			6780	100	A 1830
43-09-03			4080	100	A 1100	44-09-29			6910	100	A 1870
43-09-10			4140	200	A 2240	44-10-06			94800	3200	A 819000
43-09-17			2960	100	A 799	44-10-09			91600	2100	A 519000
43-09-24			2760	200	A 1490	44-10-14			19800	600	A 32100
43-10-01			3790	200	A 2050	44-10-20			13200	300	A 10700
43-10-08			5140	100	A 1390	44-10-28			8850	400	A 9560
43-10-15			8850	200	A 4780	44-11-17			14300	700	A 27000
43-10-22			3860	100	A 1040	44-11-25			6850	200	A 3700
43-10-28			21400	1100	A 63600	44-11-30			9910	300	A 8030
43-11-05			9180	200	A 4960	44-12-11			78600	2300	A 488000
43-11-12			5390	100	A 1460	44-12-23			22100	400	A 23900
43-11-19			5300	100	A 1430	44-12-30			14500	300	A 11700
43-11-26			4840	100	A 1310	45-01-05			14100	200	A 7610
43-12-03			4340	100	A 1170	45-01-13			11700	300	A 9480
43-12-10			4530	700	A 8560	45-01-19			11600	400	A 12500
43-12-17			7950	100	A 2150	45-01-27			11600	200	A 6260
43-12-24			5020	300	A 4070	45-02-03			11200	300	A 9070
43-12-31			11500	300	A 9320	45-02-05			11300	300	A 9150
44-01-07			7610	600	A 12300	45-02-13			10000	400	A 10800
44-01-14			8730	200	A 4710	45-02-21			72400	3500	A 684000
44-01-21			9230	300	A 7480	45-02-22			86800	3300	A 773000
44-01-28			8050	200	A 4350	45-02-24			67500	2100	A 383000
44-02-04			9810	200	A 5300	45-03-02			63300	1600	A 273000
44-02-12			19000	900	A 46200	45-03-04			136000	3400	A 1250000
44-02-18			18400	400	A 19900	45-03-05			120000	2800	A 907000
44-02-26			13800	300	A 11200	45-03-16			155000	5100	A 2130000
44-03-02			58300	200	A 31500	45-03-20			289000	2900	A 2260000
44-03-10			16800	300	A 13600	45-03-21			246000	2200	A 1460000
44-03-17			99600	3500	A 941000	45-03-31			135000	3500	A 1280000
44-03-20			138000	2900	A 1080000	45-04-03			107000	2300	A 664000
44-03-24			117000	2700	A 853000	45-04-10			38300	900	A 93100
44-04-01			31900	1300	A 112000	45-04-19			544000	2400	A 3530000
44-04-14			144000	4000	A 1560000	45-05-03			126000	1500	A 510000
44-04-21			144000	1600	A 622000	45-05-09			50600	700	A 95600
44-04-27			205000	6300	A 3490000	45-05-18			84600	1700	A 388000

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-05-25			29100	500	A 39300	47-04-01			9150	800	A 19800
45-06-01			53300	900	A 130000	47-04-12			160000	25400	A 11000000
45-06-08			33500	3300	A 298000	47-04-15			161000	6600	A 2870000
45-06-12			203000	3500	A 1920000	47-04-21			127000	3400	A 1170000
45-06-21			83100	2100	A 471000	47-04-30			184000	3100	A 1540000
45-06-28			31900	2200	A 189000	47-05-08			42000	1000	A 113000
45-07-05			90800	2000	A 490000	47-05-14			95300	4900	A 1260000
45-07-13			61600	2800	A 466000	47-05-20			173000	4000	A 1870000
45-07-19			25000	900	A 60800	47-05-27			133300	2800	A 1010000
45-07-26			16800	300	A 13600	47-06-13			56800	1500	A 230000
45-08-03			17200	400	A 18600	47-06-26			73800	3600	A 171000
45-08-10			14100	800	A 30500	47-07-08			33500	1500	A 136000
45-08-21			13500	500	A 18200	47-07-20			11700	800	A 25300
45-08-31			10200	200	A 5510	47-08-06			8060	1300	A 28300
45-09-06			9060	100	A 2450	47-08-27			3540	400	A 3820
45-09-13			6600	300	A 5350	47-09-03			3240	400	A 3500
45-09-20			4180	400	A 4510	47-09-15			9260	900	A 22500
45-09-29			192000	3400	A 1760000	47-09-30			4100	400	A 4430
45-10-02			312000	4300	A 3620000	47-10-13			3980	500	A 5370
45-10-11			134000	1300	A 470000	47-11-19			4540	300	A 3680
45-10-18			18200	400	A 19700	47-11-25			5710	300	A 4630
45-10-24			35100	1100	A 104000	47-12-19			5900	300	A 4780
45-10-30			13200	200	A 7130	48-01-07			6990	300	A 5660
45-11-13			8950	200	A 4830	48-01-27			4110	100	A 1110
45-11-20			7940	200	A 4290	48-02-02			4810	100	A 1300
45-11-28			6450	200	A 3480	48-02-17			12400	400	A 13400
45-12-05			5760	200	A 3110	48-02-28			61900	2600	A 435000
45-12-11			6460	200	A 3490	48-03-03			64800	3100	A 542000
45-12-19			4950	200	A 2670	48-03-12			32600	1200	A 106000
46-01-03			5680	200	A 3070	48-03-16			38400	1700	A 176000
46-01-10			96900	1900	A 497000	48-03-22			40200	2500	A 271000
46-01-16			53100	900	A 129000	48-03-29			47000	2300	A 292000
46-01-24			20900	500	A 28200	48-04-06			14600	1400	A 55200
46-01-30			15400	300	A 12500	48-04-15			16800	200	A 9070
46-02-07			19700	700	A 37200	48-04-21			10100	600	A 16400
46-02-14			63500	3700	A 634000	48-04-28			27900	1400	A 105000
46-02-20			110000	2800	A 832000	48-05-04			12400	600	A 20100
46-02-25			38100	1500	A 154000	48-05-13			45200	1600	A 195000
46-03-06			19100	600	A 30900	48-05-17			48900	2300	A 304000
46-03-13			18100	500	A 24400	48-05-28			23400	1800	A 114000
46-03-21			33500	700	A 63300	48-05-31			12300	400	A 13300
46-03-27			28400	600	A 46000	48-06-10			7940	400	A 8580
46-04-02			23700	1200	A 76800	48-06-14			6620	400	A 7150
46-04-10			15200	400	A 16400	48-06-25			361000	10100	A 9840000
46-04-17			20700	900	A 50300	48-06-26			312000	3700	A 3120000
46-04-24			35300	1500	A 143000	48-07-01			235900	3000	A 1910000
46-05-01			75400	2500	A 509000	48-07-02			222000	2600	A 1560000
46-05-06			39100	2200	A 232000	48-07-09			59800	1300	A 210000
46-05-14			29700	1300	A 104000	48-07-14			97700	2000	A 528000
46-05-21			47800	1700	A 219000	48-07-23			128000	1500	A 518000
46-05-28			48900	1600	A 211000	48-07-28			137500	1800	A 668000
46-06-04			71000	2200	A 422000	48-08-06			52400	1200	A 170000
46-06-11			19600	900	A 47600	48-08-11			43700	2300	A 271000
46-06-19			10300	300	A 8340	48-08-19			102000	2600	A 716000
46-06-27			29800	2400	A 193000	48-08-24			28500	1300	A 100000
46-07-02			67000	3600	A 651000	48-09-02			16100	400	A 17400
46-07-10			15200	500	A 20500	48-09-07			10400	200	A 5620
46-07-17			5950	200	A 3210	48-09-14			11200	400	A 12100
46-07-24			4100	200	A 2210	48-09-22			5930	100	A 1600
46-08-01			5040	200	A 2720	48-10-06			5280	100	A 1430
46-08-07			3450	200	A 1860	48-10-19			5500	100	A 1490
46-08-15			4140	100	A 1120	48-11-09			15500	2500	A 105000
46-08-28			11800	1100	A 35000	48-11-18			7750	200	A 4190
46-09-04			6920	500	A 9340	48-12-09			8420	1400	A 31800
46-09-11			4720	300	A 3820	48-12-17			10600	600	A 17200
46-09-18			3800	200	A 2050	48-12-25			7540	800	A 16300
46-09-26			9280	5900	A 148000	48-12-27			7380	100	A 1990
46-10-02			4370	1900	A 22400	49-01-05			6640	200	A 3590
46-10-10			4310	200	A 2330	49-01-13			11400	400	A 12300
46-10-15			11000	7600	A 226000	49-01-18			20800	300	A 16800
46-10-23			9260	2000	A 50000	49-02-09			99800	3500	A 943000
46-10-31			7660	900	A 18600	49-02-17			169000	1600	A 730000
46-11-07			71100	2600	A 499000	49-02-25			112000	1200	A 363000
46-11-13			31100	2000	A 168000	49-03-01			56600	1000	A 153000
46-11-21			14600	700	A 27600	49-03-08			37300	800	A 80600
46-11-26			18700	1000	A 50500	49-03-14			33000	400	A 35600
46-12-05			9720	200	A 5250	49-03-24			50000	900	A 122000
46-12-13			198000	3400	A 1820000	49-03-28			71000	1000	A 192000
46-12-17			31800	1300	A 112000	49-04-06			43200	1900	A 222000
46-12-23			18200	800	A 39300	49-04-12			57200	2100	A 324000
47-01-02			12900	600	A 20900	49-04-22			16200	400	A 17500
47-01-09			10800	500	A 14600	49-04-29			23000	600	A 37300
47-01-15			10500	500	A 14200	49-05-04			80500	1600	A 348000
47-01-20			10800	200	A 5830	49-05-06			54400	1700	A 250000
47-02-07			7150	300	A 5790	49-05-16			37900	1300	A 133000
47-02-10			6720	300	A 5440	49-05-25			234000	5000	A 3160000
47-02-26			4700	300	A 3810	49-05-31			131000	2600	A 920000
47-03-06			5940	400	A 6420	49-06-08			114000	2300	A 708000
47-03-21			25100	1900	A 129000	49-06-13			141000	2000	A 761000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

489

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-06-28			41000	3600	A 399000	51-05-20			112500	12000	A 3640000
49-07-06			25300	800	A 54600	51-05-21			170000	10600	A 4870000
49-07-14			69000	700	A 130000	51-05-23			153000	3400	A 1400000
49-07-21			28300	2200	A 168000	51-05-24			120000	3200	A 1040000
49-07-25			24900	1200	A 80700	51-05-28			102000	2600	A 716000
49-08-01			14800	400	A 16000	51-06-06			28100	800	A 60700
49-08-08			14000	400	A 15100	51-06-13			119000	5500	A 1770000
49-08-14			11300	1800	A 54900	51-06-15			91600	3000	A 742000
49-08-23			7500	300	A 6080	51-06-20			61700	3300	A 550000
49-08-29			6290	100	A 1700	51-06-26			102000	3200	A 881000
49-09-12			21200	2800	A 160000	51-06-28			146000	2800	A 1100000
49-09-19			23000	1600	A 99400	51-07-02			178000	2200	A 1060000
49-09-26			16200	500	A 21900	51-07-06			250000	2000	A 1350000
49-10-03			11700	200	A 6320	51-07-12			158000	800	A 341000
49-10-24			21700	900	A 52700	51-07-14			183000	2700	A 1330000
49-11-03			11100	300	A 8990	51-07-19			244000	1500	A 988000
49-11-07			8890	200	A 4800	51-07-23			171000	1400	A 646000
49-11-14			8220	100	A 2220	51-07-27			108000	900	A 262000
49-11-28			6040	100	A 1630	51-08-02			39100	1600	A 169000
49-12-05			7690	100	A 2080	51-08-15			30000	400	A 32400
49-12-19			7380	100	A 1990	51-08-21			19500	1900	A 100000
49-12-27			11200	300	A 9070	51-08-27			16100	200	A 8690
50-01-03			12400	300	A 10000	51-09-04			17600	300	A 14300
50-01-09			17800	200	A 9610	51-09-12			75600	2100	A 429000
50-01-16			54700	1500	A 222000	51-09-24			32800	500	A 44300
50-01-23			17800	300	A 14400	51-10-19			18600	400	A 20100
50-02-01			14200	200	A 7670	51-11-05			27700	800	A 59800
50-02-07			16700	300	A 13500	51-11-15			57200	1100	A 170000
50-02-14			72500	3800	A 744000	51-11-21			36000	400	A 38900
50-02-20			23400	600	A 37900	51-11-28			48200	300	A 39000
50-03-02			18700	800	A 40400	51-12-06			25500	100	A 6890
50-03-06			17800	600	A 28800	52-01-07			16100	100	A 4350
50-03-16			19600	200	A 10600	52-01-15			18200	100	A 4910
50-03-22			12400	300	A 10000	52-01-28			14600	300	A 11800
50-04-10			15900	100	A 4290	52-02-06			29200	400	A 31500
50-04-17			9610	200	A 5190	52-02-14			20300	200	A 11000
50-05-05			15900	200	A 8590	52-02-25			16800	100	A 4540
50-05-08			40800	4700	A 518000	52-03-05			56100	700	A 106000
50-05-12			442000	4900	A 5850000	52-03-12			90500	1000	A 244000
50-05-13			320000	5300	A 4580000	52-03-17			57200	1800	A 278000
50-05-14			214000	3800	A 2200000	52-03-28			29600	700	A 55900
50-05-15			157000	1800	A 763000	52-04-11			27900	200	A 15100
50-05-16			113500	2200	A 674000	52-04-16			52200	4700	A 662000
50-05-18			61800	1200	A 200000	52-04-23			130000	5800	A 2040000
50-05-26			38000	500	A 51300	52-05-06			29800	300	A 24100
50-06-01			44000	1300	A 154000	52-05-16			16300	400	A 17600
50-06-09			65300	1500	A 264000	52-05-21			20500	1200	A 66400
50-06-15			36600	700	A 69200	52-06-03			21600	700	A 40800
50-06-20			24200	300	A 19600	52-06-10			38100	2800	A 288000
50-06-29			15200	200	A 8210	52-06-18			12100	400	A 13100
50-07-06			9980	400	A 10800	52-07-14			4010	200	A 2170
50-07-13			56600	500	A 76400	52-07-23			6560	200	A 3540
50-07-19			72900	2200	A 433000	52-07-31			4320	200	A 2330
50-07-25			186000	3200	A 1610000	52-09-29			3010	100	A 813
50-08-01			172700	3000	A 1400000	52-10-14			1360	100	A 367
50-08-07			145000	1500	A 587000	52-10-22			1240	200	A 670
50-08-21			69700	1200	A 226000	52-10-30			1170	100	A 316
50-08-29			44700	700	A 84500	52-11-05			1280	200	A 691
50-09-08			48900	800	A 106000	52-11-18			1590	200	A 859
50-09-14			38000	700	A 71800	52-11-26			3330	300	A 2700
50-09-19			86700	2900	A 679000	52-12-08			1840	100	A 497
50-09-25			43000	1300	A 151000	52-12-17			1900	600	A 3080
50-10-02			21200	500	A 28600	52-12-29			2320	100	A 626
50-10-12			24700	500	A 33300	53-01-07			1900	100	A 513
50-10-16			15700	800	A 33900	53-01-19			2200	200	A 1190
50-10-25			7280	400	A 7860	53-01-26			2730	100	A 737
50-11-01			7930	500	A 10700	53-02-05			2250	100	A 608
50-11-09			7600	200	A 4100	53-02-09			2140	100	A 578
50-11-16			7800	200	A 4210	53-02-16			2530	200	A 1370
50-11-22			7370	200	A 3980	53-03-11			6190	200	A 3340
50-11-30			6830	100	A 1840	53-03-19			41200	1500	A 167000
50-12-19			5410	200	A 2920	53-03-20			32400	1100	A 96200
51-01-05			6350	100	A 1710	53-03-26			7230	200	A 3900
51-01-15			9470	800	A 20500	53-04-01			48600	3500	A 459000
51-01-22			6980	200	A 3770	53-04-08			54000	2200	A 321000
51-02-09			9380	100	A 2530	53-04-16			20300	900	A 49300
51-02-20			119500	3200	A 1030000	53-04-22			13400	600	A 21700
51-02-23			109000	1800	A 530000	53-04-25			112000	4700	A 1420000
51-03-01			41000	500	A 55400	53-04-27			49000	1300	A 172000
51-03-09			27100	600	A 43900	53-05-01			47900	1500	A 194000
51-03-15			37400	600	A 60600	53-05-07			10900	200	A 5890
51-03-27			14800	400	A 16000	53-05-14			81600	1700	A 375000
51-04-05			8900	100	A 2400	53-05-19			31000	1000	A 83700
51-04-10			26900	1100	A 79900	53-05-26			12800	200	A 6910
51-04-18			18700	200	A 10100	53-06-09			5330	500	A 7200
51-04-25			22200	900	A 53900	53-06-15			3780	100	A 1020
51-05-03			24600	300	A 19900	53-06-26			2810	100	A 759
51-05-07			76400	1800	A 371000	53-07-02			2350	100	A 635
51-05-14			39200	500	A 52900	53-07-16			12700	990	A 33900

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
53-07-21			52200	6600	A 930000	55-06-02			54800	1840	A 272000
53-07-27			29100	1230	A 96600	55-06-08			18500	950	A 47500
53-08-10			5170	220	A 3070	55-06-20			15800	1420	A 60600
53-08-18			5060	2720	A 37200	55-06-28			22800	1700	A 105000
53-08-27			4750	160	A 2050	55-07-05			23100	1610	A 100000
53-09-08			7900	490	A 10500	55-07-13			15600	560	A 23600
53-09-21			1780	150	A 721	55-07-20			8580	380	A 8800
53-09-28			1280	100	A 346	55-07-26			7820	340	A 7180
53-10-09			2040	240	A 1320	55-08-01			4480	70	A 847
53-10-15			1290	40	A 139	55-08-10			7670	800	A 16600
53-10-28			19900	2650	A 142000	55-08-18			5600	220	A 3330
53-11-03			4120	1130	A 12600	55-08-22			3980	90	A 967
53-11-10			3300	410	A 3650	55-08-30			5930	540	A 8650
53-11-16			1810	140	A 684	55-09-06			2470	150	A 1000
53-11-25			11800	770	A 24500	55-09-14			6260	110	A 1860
53-11-30			4080	350	A 3860	55-09-21			5260	70	A 994
53-12-07			7810	1130	A 23800	55-10-03			12100	1060	A 34600
53-12-14			4400	390	A 4630	55-10-07			138000	3840	A 1430000
53-12-21			2770	140	A 1050	55-10-08			98000	4310	A 1140000
54-01-05			3420	160	A 1480	55-10-10			46100	2230	A 278000
54-01-26			6980	310	A 5840	55-10-19			9880	650	A 17300
54-02-01			3600	110	A 1070	55-10-24			5600	170	A 2570
54-02-08			2330	60	A 377	55-10-31			4510	140	A 1700
54-02-15			2330	70	A 440	55-11-08			3490	130	A 1220
54-02-26			5070	240	A 3290	55-11-16			5400	120	A 1750
54-03-01			2810	90	A 683	55-11-22			2340	40	A 253
54-03-08			2200	60	A 356	55-11-29			2400	30	A 194
54-03-15			1720	20	A 93	55-12-07			4320	40	A 467
54-03-22			1770	20	A 96	55-12-13			2010	20	A 109
54-04-05			3130	100	A 845	55-12-21			5320	80	A 1150
54-04-16			3640	60	A 590	55-12-30			5710	50	A 771
54-04-20			2550	60	A 413	56-01-03			2020	20	A 109
54-04-26			12300	800	A 26600	56-01-10			2300	40	A 248
54-05-04			173000	4310	A 2010000	56-01-16			2560	40	A 276
54-05-06			92000	2640	A 656000	56-01-30			1950	70	A 369
54-05-11			36800	1130	A 112000	56-02-06			2480	90	A 603
54-05-20			13500	470	A 17100	56-02-15			3380	100	A 913
54-05-26			12300	800	A 26600	56-02-21			7270	520	A 10200
54-06-02			23400	2060	A 130000	56-02-27			3080	150	A 1250
54-06-08			12800	770	A 26600	56-03-05			2410	150	A 976
54-06-15			7980	240	A 5170	56-03-12			2140	40	A 231
54-06-24			6870	160	A 2970	56-03-27			2580	290	A 2020
54-07-01			5760	70	A 1090	56-04-04			2840	70	A 537
54-07-13			2490	60	A 403	56-04-10			1880	50	A 254
54-07-19			2650	60	A 429	56-04-17			1900	200	A 1030
54-07-30			3170	60	A 514	56-04-23			1410	110	A 419
54-08-04			3010	40	A 325	56-04-30			4910	1120	A 14800
54-08-10			2800	50	A 378	56-05-08			2040	260	A 1430
54-08-17			3010	30	A 244	56-05-14			2610	80	A 564
54-08-23			1120	30	A 91	56-05-16			6500	870	A 15300
54-08-31			1280	30	A 104	56-05-17			14600	730	A 28800
54-09-07			797	30	A 65	56-05-21			9250	320	A 7990
54-09-14			538	30	A 44	56-05-26			31200	3190	A 269000
54-09-27			458	70	A 87	56-05-27			22500	1740	A 106000
54-10-07			515	50	A 70	56-05-29			8960	1190	A 28800
54-10-20			2160	200	A 1170	56-06-04			11300	3000	A 91500
54-10-26			1620	620	A 2710	56-06-11			4460	940	A 11300
54-11-02			3310	250	A 2230	56-06-18			3300	120	A 1070
54-11-08			2820	70	A 533	56-06-26			1700	80	A 367
54-11-16			1670	40	A 180	56-07-05			3960	130	A 1390
54-11-29			2080	30	A 168	56-07-10			1610	60	A 261
54-12-06			1190	50	A 161	56-07-16			3680	60	A 596
54-12-13			1300	10	A 35	56-07-24			1610	130	A 565
54-12-20			1120	20	A 60	56-07-30			2840	70	A 537
54-12-30			13100	730	A 25800	56-08-06			2820	80	A 609
55-01-03			6450	2220	A 38700	56-08-14			1750	80	A 378
55-01-12			5890	90	A 1430	56-08-21			1230	50	A 166
55-01-17			6400	90	A 1560	56-08-27			1160	50	A 157
55-01-24			5850	50	A 790	56-09-05			592	60	A 96
55-01-31			5210	120	A 1690	56-09-11			437	50	A 59
55-02-07			5050	100	A 1360	56-09-18			803	50	A 108
55-02-14			1950	40	A 211	56-09-25			692	50	A 93
55-02-25			11000	230	A 6830	56-10-01			313	40	A 34
55-03-02			8440	180	A 4100	56-10-09			222	30	A 18
55-03-09			5270	110	A 1570	56-10-17			459	50	A 62
55-03-21			45100	2140	A 261000	56-10-22			532	50	A 72
55-03-22			48200	3290	A 428000	56-10-29			420	50	A 57
55-03-24			42600	1310	A 151000	56-11-05			1060	50	A 143
55-03-31			9400	350	A 8880	56-11-14			973	110	A 289
55-04-06			12200	110	A 3620	56-11-19			1010	40	A 109
55-04-13			7360	60	A 1190	56-11-26			1310	200	A 707
55-04-20			8400	300	A 6800	56-12-03			964	30	A 78
55-04-27			6810	160	A 2940	56-12-12			1640	20	A 89
55-05-04			5980	190	A 3070	56-12-18			1520	60	A 246
55-05-12			6710	2520	A 45700	56-12-27			1570	240	A 1020
55-05-16			27600	2270	A 169000	57-01-03			1130	40	A 122
55-05-22			108000	7340	A 2140000	57-01-08			1300	20	A 70
55-05-25			85100	8730	A 2010000	57-01-16			1200	10	A 32
55-05-26			67100	6030	A 1090000	57-01-23			2760	100	A 745

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

491

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-01-25			4200	1050	A 11900	58-06-23			65800	8170	A 1450000
57-01-29			2080	170	A 955	58-06-25			55800	5390	A 812000
57-02-07			15700	1850	A 78400	58-06-27			119000	3810	A 1220000
57-02-13			6130	240	A 3970	58-06-30			63600	3640	A 625000
57-02-18			4670	100	A 1260	58-07-10			97600	3520	A 928000
57-02-26			3240	80	A 700	58-07-15			150000	2520	A 1020000
57-03-06			6940	340	A 6370	58-07-22			74200	1940	A 389000
57-03-11			4390	210	A 2490	58-07-30			61500	1500	A 249000
57-03-18			4440	240	A 2880	58-08-04			35900	2640	A 256000
57-03-26			13500	970	A 35400	58-08-11			41400	1820	A 203000
57-04-04			130000	4830	A 1700000	58-08-18			25300	760	A 51900
57-04-05			110000	3730	A 1110000	58-08-25			25300	2800	A 191000
57-04-06			90400	4100	A 1000000	58-09-09			11600	580	A 18200
57-04-08			91100	4080	A 1000000	58-09-16			17800	1880	A 90400
57-04-10			56800	3220	A 494000	58-09-25			27500	1810	A 134000
57-04-15			28300	1330	A 102000	58-10-02			16300	550	A 24200
57-04-19			83900	3230	A 732000	58-10-09			7300	220	A 4340
57-04-20			88400	3390	A 809000	58-10-16			9240	320	A 7980
57-04-24			188000	5150	A 2610000	58-10-21			5640	110	A 1680
57-04-29			111000	3430	A 1030000	58-10-30			5090	130	A 1790
57-05-02			132000	2170	A 773000	58-11-04			4220	50	A 570
57-05-07			70800	3670	A 702000	58-11-10			3650	80	A 788
57-05-13			35200	1380	A 131000	58-12-02			8360	140	A 3160
57-05-16			73100	2550	A 503000	58-12-10			7320	160	A 3160
57-05-20			341000	5420	A 4990000	58-12-17			5600	90	A 1360
57-05-21			281000	2660	A 2020000	58-12-22			4000	50	A 540
57-05-24			291000	1800	A 1410000	58-12-29			4120	40	A 445
57-05-27			521000	1930	A 2710000	59-01-08			6330	160	A 2730
57-05-28			437000	750	A 885000	59-01-13			5340	80	A 1150
57-05-31			219000	2060	A 1220000	59-01-22			5360	80	A 1160
57-06-04			257000	2620	A 1820000	59-01-28			7950	230	A 4940
57-06-06			233000	3750	A 2360000	59-02-04			8470	120	A 2740
57-06-10			194000	1810	A 948000	59-02-10			5590	160	A 2410
57-06-17			238000	2650	A 1700000	59-02-18			10700	530	A 15300
57-06-24			185000	2410	A 1200000	59-02-25			10400	80	A 2250
57-07-01			174000	2620	A 1230000	59-03-04			7230	90	A 1760
57-07-08			146000	1350	A 532000	59-03-09			29700	890	A 71400
57-07-16			49300	1030	A 137000	59-03-17			17300	730	A 34100
57-07-22			27100	820	A 60000	59-03-24			30600	1930	A 159000
57-07-29			15400	500	A 20800	59-03-31			10500	650	A 18400
57-08-07			12200	740	A 24400	59-04-08			13600	300	A 11000
57-08-12			9020	630	A 15300	59-04-15			19000	1150	A 59000
57-08-20			12100	1200	A 39200	59-04-20			43700	2410	A 284000
57-08-27			11500	5460	A 170000	59-04-21			38000	2330	A 239000
57-09-03			4490	150	A 1820	59-04-27			11500	590	A 18300
57-09-10			4340	80	A 937	59-05-04			6590	140	A 2490
57-09-17			40600	5370	A 589000	59-05-12			110000	5240	A 1560000
57-09-24			42300	2890	A 330000	59-05-14			66900	3920	A 708000
57-10-01			14300	520	A 20100	59-05-19			34600	2720	A 254000
57-10-09			7050	170	A 3240	59-05-25			45100	2070	A 252000
57-10-14			4950	390	A 5210	59-06-01			49000	2900	A 384000
57-10-21			5040	160	A 2180	59-06-09			19900	1020	A 54800
57-10-29			8260	230	A 5130	59-06-15			11100	420	A 12600
57-11-04			5950	210	A 3370	59-06-23			7950	90	A 1930
57-11-13			11200	810	A 24500	59-06-29			16300	2580	A 114000
57-11-21			21300	610	A 35100	59-07-07			11100	830	A 24900
57-12-04			8820	220	A 5240	59-07-15			13400	480	A 17400
57-12-13			9020	160	A 3900	59-07-21			112000	2090	A 632000
57-12-17			5170	170	A 2370	59-07-24			121000	3230	A 1060000
57-12-24			4550	170	A 2090	59-07-28			147000	3020	A 1200000
58-01-02			7120	110	A 2110	59-08-03			39100	1880	A 198000
58-01-06			5660	50	A 764	59-08-11			25200	630	A 42900
58-01-15			7820	140	A 2960	59-08-17			6580	160	A 2840
58-01-21			9890	160	A 4270	59-08-25			12700	490	A 16800
58-01-27			10900	260	A 7650	59-09-01			10300	530	A 14700
58-02-05			8470	110	A 2520	59-09-09			9260	1320	A 33000
58-02-13			11800	230	A 7330	59-09-15			5070	1470	A 20100
58-02-18			9600	130	A 3370	59-09-21			2860	140	A 1080
58-02-24			7550	90	A 1830	59-09-28			87700	7950	A 1880000
58-03-03			9170	70	A 1730	59-10-06			404000	2860	A 3120000
58-03-10			54600	3080	A 454000	59-10-08			356000	3300	A 3170000
58-03-13			65600	2770	A 491000	59-10-10			209000	2720	A 1530000
58-03-14			76100	3140	A 645000	59-10-13			154000	3000	A 1250000
58-03-17			65500	1990	A 352000	59-10-16			142000	1970	A 755000
58-03-26			129000	1190	A 414000	59-10-19			132000	2040	A 727000
58-03-28			131000	2120	A 750000	59-10-26			71500	450	A 86900
58-04-02			85200	1830	A 421000	59-11-02			23100	530	A 33100
58-04-08			74900	1850	A 374000	59-11-10			41900	800	A 90500
58-04-14			34500	1410	A 131000	59-11-17			24200	470	A 30700
58-04-23			69600	1730	A 325000	59-11-24			19000	230	A 11800
58-04-29			29100	670	A 52600	59-12-01			16200	210	A 9190
58-05-06			68000	2120	A 389000	59-12-08			16000	120	A 5180
58-05-12			62700	1640	A 278000	59-12-16			12800	130	A 4490
58-05-20			29500	330	A 26300	59-12-23			43300	3450	A 403000
58-05-29			18700	680	A 34300	60-01-06			23900	1190	A 76800
58-06-04			17200	1420	A 65900	60-01-11			23400	960	A 60700
58-06-09			27500	210	A 15600	60-01-18			42800	1080	A 125000
58-06-10			8100	1290	A 28200	60-01-27			21700	880	A 51600
58-06-17			13800	1110	A 41400	60-02-02			18200	800	A 39300

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## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-02-08			60500	4250	A 694000	61-08-22			23100	800	A 49900
60-02-18			34000	1610	A 148000	61-08-28			30100	1900	A 154000
60-02-29			16900	1100	A 50200	61-09-06			60900	2040	A 335000
60-03-08			14200	520	A 19900	61-09-16			202000	5120	A 2790000
60-03-15			52300	2970	A 419000	61-09-18			137000	2720	A 1010000
60-03-23			45400	1680	A 206000	61-09-25			84200	1240	A 282000
60-03-29			52200	910	A 128000	61-10-03			66400	1590	A 285000
60-04-04			43800	820	A 97000	61-10-09			27300	580	A 42800
60-04-12			26800	330	A 23900	61-10-16			87500	2800	A 662000
60-04-19			68800	2110	A 392000	61-10-25			24800	500	A 33500
60-04-20			60000	1240	A 201000	61-11-02			24200	190	A 12400
60-04-27			21600	480	A 28000	61-11-06			151000	3180	A 1300000
60-05-02			46800	3420	A 432000	61-11-08			103000	2100	A 584000
60-05-07			171000	5950	A 2750000	61-11-13			44900	1030	A 125000
60-05-11			129000	2260	A 787000	61-11-20			87900	1830	A 434000
60-05-16			40600	1270	A 139000	61-11-27			68700	2080	A 386000
60-05-22			169000	3680	A 1680000	61-12-05			37600	750	A 76100
60-05-27			51400	1720	A 239000	61-12-14			43900	900	A 107000
60-06-02			86800	2950	A 691000	61-12-26			33700	1550	A 141000
60-06-08			43500	1280	A 150000	62-01-05			24900	480	A 32300
60-06-14			47600	4850	A 623000	62-01-08			23900	440	A 28400
60-06-21			23100	1580	A 98500	62-01-13			18400	290	A 14400
60-06-28			18000	580	A 28200	62-01-24			23800	860	A 55300
60-07-05			7840	180	A 3810	62-02-02			46700	1400	A 177000
60-07-11			19000	2230	A 114000	62-02-05			46200	900	A 112000
60-07-14			31000	9550	A 799000	62-02-14			23700	190	A 12200
60-07-18			12200	4470	A 147000	62-02-21			25200	550	A 37400
60-07-25			111000	3920	A 1170000	62-02-26			28400	420	A 32200
60-07-28			84900	3150	A 722000	62-03-08			16100	150	A 6520
60-08-04			17200	560	A 26000	62-03-15			10300	130	A 3620
60-08-10			13100	350	A 12400	62-03-19			9310	50	A 1260
60-08-17			22100	3950	A 236000	62-03-26			64600	1550	A 270000
60-08-23			25200	5170	A 352000	62-03-28			54100	910	A 133000
60-09-01			51900	4100	A 575000	62-04-03			27300	190	A 14000
60-09-07			19900	950	A 51000	62-04-11			17500	130	A 6140
60-09-13			8670	250	A 5850	62-04-16			26900	250	A 18200
60-09-20			7840	270	A 5720	62-04-25			61800	2080	A 347000
60-10-03			8650	830	A 19400	62-04-30			24100	620	A 40300
60-10-12			6360	230	A 3950	62-05-09			12300	210	A 6970
60-10-17			4620	230	A 2870	62-05-15			6840	150	A 2770
60-10-24			27200	7630	A 560000	62-05-22			5410	40	A 584
60-11-02			44400	2590	A 310000	62-05-28			3690	70	A 697
60-11-08			28400	750	A 57500	62-06-05			49300	3120	A 415000
60-11-15			13000	350	A 12300	62-06-08			72100	3210	A 625000
60-11-21			5980	210	A 3390	62-06-13			88500	2930	A 700000
60-11-28			4600	280	A 3480	62-06-18			31700	590	A 50500
60-12-05			4960	110	A 1470	62-06-28			15200	640	A 26300
60-12-13			42600	2770	A 319000	62-07-05			12600	440	A 15000
60-12-21			22500	1150	A 69900	62-07-11			13800	580	A 21600
60-12-28			15000	300	A 12200	62-07-24			14900	940	A 37800
61-01-03			13300	710	A 25500	62-08-02			16700	680	A 30700
61-01-10			8000	300	A 6480	62-08-07			29100	3830	A 301000
61-01-20			8130	160	A 3510	62-08-16			12000	550	A 17800
61-01-24			7380	130	A 2590	62-08-24			7400	140	A 2800
61-01-30			2810	70	A 531	62-08-27			3280	130	A 1150
61-02-01			5760	70	A 1090	62-09-06			17700	970	A 46400
61-02-06			5560	80	A 1200	62-09-12			33900	1320	A 121000
61-02-16			7320	140	A 2770	62-09-19			62500	2190	A 370000
61-02-20			16000	690	A 29800	62-09-25			45700	1210	A 149000
61-02-23			19000	650	A 33300	62-10-01			41400	1250	A 140000
61-03-01			21900	570	A 33700	62-10-08			28000	670	A 50700
61-03-03			19000	540	A 27700	62-10-16			31900	2150	A 185000
61-03-07			22500	730	A 44300	62-10-18			36900	1040	A 104000
61-03-13			15100	670	A 27300	62-10-23			22500	250	A 15200
61-03-21			18100	1630	A 79700	62-10-31			37800	1950	A 199000
61-03-28			48000	1940	A 251000	62-11-06			15100	320	A 13000
61-04-03			79000	2420	A 516000	62-11-13			16500	520	A 23200
61-04-13			43100	1540	A 179000	62-11-20			7330	50	A 990
61-04-19			34500	1340	A 125000	62-11-26			4920	20	A 266
61-04-24			35800	1690	A 163000	62-12-03			14000	150	A 5670
61-05-03			36200	1360	A 133000	62-12-17			6340	30	A 514
61-05-06			146000	3330	A 1310000	62-12-27			8160	320	A 7050
61-05-11			294000	1940	A 1540000	63-01-02			7460	80	A 1610
61-05-13			223000	1660	A 999000	63-01-07			14700	150	A 5950
61-05-22			141000	1680	A 640000	63-01-15			13400	420	A 15200
61-05-25			150000	1560	A 632000	63-01-24			6070	90	A 1480
61-05-29			138000	970	A 361000	63-01-30			6360	80	A 1370
61-06-02			101000	500	A 136000	63-02-04			6070	310	A 5080
61-06-05			59600	1170	A 188000	63-02-14			8420	170	A 3860
61-06-08			61500	1970	A 327000	63-02-19			7150	170	A 3280
61-06-20			41300	1420	A 158000	63-02-27			6390	530	A 9140
61-06-30			12500	670	A 22600	63-03-05			4420	100	A 1190
61-07-10			28500	1320	A 102000	63-03-13			32600	1500	A 132000
61-07-12			62200	1450	A 244000	63-03-14			29700	1250	A 100000
61-07-18			112000	1460	A 442000	63-03-19			25100	830	A 56200
61-07-25			99000	1380	A 369000	63-03-25			7870	290	A 6160
61-08-02			32700	820	A 72400	63-04-03			21000	1220	A 69200
61-08-08			14100	430	A 16400	63-04-08			6370	260	A 4470
61-08-17			91900	1070	A 265000	63-04-18			4570	100	A 1230

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUEO

493

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-04-24			3570	50	A 482	64-12-10			8700	260	A 6110
63-05-02			19700	1700	A 90400	64-12-17			19900	180	A 9670
63-05-07			7250	440	A 8610	64-12-22			15500	130	A 5440
63-05-13			5310	210	A 3010	65-01-29			12100	380	A 12400
63-05-20			4090	120	A 1330	65-02-10			11200	800	A 24200
63-05-29			7140	470	A 9060	65-03-01			5630	150	A 2280
63-06-03			7160	60	A 1160	65-03-11			10900	270	A 7950
63-06-11			5960	230	A 3700	65-03-16			10800	210	A 6120
63-06-17			4120	120	A 1330	65-03-29			8620	100	A 2330
63-06-27			29200	8550	A 674000	65-04-06			89800	2210	A 536000
63-06-28			28000	4650	A 352000	65-04-08			92400	1370	A 342000
63-07-03			11800	1410	A 44900	65-04-13			66500	620	A 111000
63-07-11			7040	190	A 3610	65-04-16			78100	850	A 179000
63-07-17			31300	3190	A 270000	65-04-20			57200	580	A 89600
63-07-25			9200	720	A 17900	65-04-22			49100	430	A 57000
63-08-01			18900	2260	A 115000	65-04-26			15600	310	A 13100
63-08-07			6820	920	A 16900	65-05-04			12500	180	A 6080
63-08-13			4050	210	A 2300	65-05-17			15000	370	A 15000
63-08-21			5300	280	A 4010	65-05-24			15400	170	A 7070
63-08-26			2330	120	A 755	65-06-04			13900	120	A 4500
63-09-05			4860	190	A 2490	65-06-10			61700	1350	A 225000
63-09-12			18500	2270	A 113000	65-06-15			79700	790	A 170000
63-09-17			10200	1550	A 42700	65-06-22			54000	760	A 111000
63-09-23			9660	2660	A 69400	65-06-28			51400	340	A 47200
63-10-03			3760	140	A 1420	65-07-07			36200	500	A 48900
63-10-07			2170	100	A 586	65-07-13			40400	320	A 34900
63-10-16			1800	70	A 340	65-07-19			13100	200	A 7070
63-10-23			11800	6600	A 210000	65-07-28			16100	690	A 30000
63-10-24			1720	40	A 186	65-08-10			11000	200	A 5940
63-10-30			4230	790	A 9020	65-08-16			7820	10	A 211
63-11-04			2910	270	A 2120	65-08-26			13100	400	A 14100
63-11-14			1620	180	A 787	65-08-31			15700	690	A 29200
63-11-20			2060	120	A 667	65-09-09			17500	320	A 15100
63-12-02			1960	60	A 318	65-09-15			22900	10	A 618
63-12-10			1560	90	A 379	65-09-20			10100	240	A 6540
63-12-17			1720	70	A 325	65-09-27			79900	800	A 173000
63-12-31			1600	40	A 173	65-10-01			40100	490	A 53100
64-01-07			1520	50	A 205	65-10-06			19600	120	A 6350
64-01-15			1100	30	A 89	65-10-13			15100	10	A 408
64-01-17			1380	40	A 149	65-10-20			11300	10	A 305
64-01-20			1660	30	A 134	65-10-25			4830	10	A 130
64-01-28			1570	40	A 170	65-11-08			4000	10	A 108
64-02-05			2660	60	A 431	65-11-16			5560	10	A 150
64-02-12			2980	80	A 644	65-11-22			3300	10	A 89
64-02-17			1740	50	A 235	65-12-02			5110	10	A 138
64-02-25			1570	40	A 170	65-12-06			2950	10	A 80
64-03-02			1580	40	A 171	65-12-13			4050	10	A 109
64-03-13			3470	400	A 3750	65-12-20			4330	10	A 117
64-03-17			2050	60	A 332	65-12-28			6330	190	A 3250
64-03-26			1890	120	A 612	66-01-10			5520	900	A 13400
64-04-01			1860	80	A 402	66-01-17			5500	10	A 149
64-04-08			37700	2530	A 258000	66-02-11			21300	1330	A 76500
64-04-10			32500	1930	A 169000	66-02-14			10300	230	A 6400
64-04-14			6810	1010	A 18600	66-02-23			20400	520	A 28600
64-04-23			4160	240	A 2700	66-03-01			11900	210	A 6750
64-04-29			4400	130	A 1540	66-03-09			9380	10	A 253
64-05-05			3930	210	A 2230	66-03-15			10600	110	A 3150
64-05-15			32300	3830	A 334000	66-03-21			9490	130	A 3330
64-05-19			7920	1450	A 31000	66-04-04			3540	10	A 96
64-05-27			3040	120	A 985	66-04-13			5260	10	A 142
64-06-10			6930	500	A 9360	66-04-18			3420	10	A 92
64-06-16			90400	1620	A 395000	66-04-28			33800	640	A 58400
64-06-19			53200	1110	A 159000	66-05-02			32900	320	A 28400
64-06-23			20600	920	A 51200	66-05-11			12400	80	A 2680
64-06-30			13700	320	A 11800	66-05-19			28100	490	A 37200
64-07-07			59700	100	A 16100	66-05-23			20000	110	A 5940
64-07-14			2980	30	A 241	66-05-31			7710	50	A 1040
64-07-21			2490	10	A 67	66-06-09			14200	10	A 383
64-07-29			4890	130	A 1720	66-06-13			16300	510	A 22400
64-08-03			2780	90	A 676	66-06-20			7860	140	A 2970
64-08-11			1700	80	A 367	66-06-27			3470	10	A 94
64-08-19			5590	150	A 2260	66-07-07			8010	170	A 3680
64-08-27			7840	640	A 13500	66-07-13			10600	220	A 6300
64-09-01			30300	2660	A 218000	66-07-20			12500	150	A 5060
64-09-04			23200	2060	A 129000	66-07-27			9650	180	A 4690
64-09-08			7620	1430	A 29400	66-08-04			9880	160	A 4270
64-09-15			3610	170	A 1660	66-08-08			3540	110	A 1050
64-09-22			3790	120	A 1230	66-08-15			11500	310	A 9630
64-09-30			6560	220	A 3900	66-08-23			6340	270	A 4620
64-10-08			2620	60	A 424	66-09-06			11900	790	A 25400
64-10-13			1520	50	A 205	66-09-14			11400	320	A 9850
64-10-21			1710	30	A 139	66-09-20			10800	50	A 1460
64-10-27			1220	10	A 33	66-09-26			4270	50	A 576
64-11-04			1480	470	A 1880	66-10-04			4310	100	A 1160
64-11-09			16100	1130	A 49100	66-10-10			4120	100	A 1110
64-11-13			8330	470	A 10600	66-10-19			7440	210	A 4220
64-11-24			73200	2460	A 486000	66-10-24			3400	10	A 92
64-11-27			54400	1140	A 167000	66-11-01			3700	10	A 100
64-12-02			39400	840	A 89400	66-11-09			4560	110	A 1350

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

ARKANSAS RIVER BASIN  
07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
66-11-14			2040	10	A 55	68-07-02			20300	420	A 23000
66-11-23			6690	220	A 3970	68-07-08			27600	370	A 27600
66-11-29			5310	10	A 143	68-07-16			9900	230	A 6150
66-12-05			2089	10	A 56	68-07-22			10600	180	A 5150
66-12-16			3440	10	A 93	68-07-29			18200	380	A 18700
66-12-29			3400	30	A 275	68-08-06			25500	400	A 27500
67-01-05			2760	10	A 75	68-08-13			20600	120	A 6670
67-01-11			1550	10	A 42	68-08-19			16000	130	A 5620
67-01-17			2240	10	A 60	68-08-28			22600	150	A 9150
67-01-23			1910	10	A 52	68-09-05			11300	190	A 5800
67-01-30			3310	20	A 179	68-09-10			15500	80	A 3350
67-02-09			3100	10	A 84	68-09-16			6780	70	A 1280
67-02-13			1430	10	A 39	68-09-23			4200	70	A 794
67-02-21			1300	10	A 35	68-10-01			9050	230	A 5620
67-03-03			1770	20	A 96	68-10-08			6800	130	A 2390
67-03-08			2960	10	A 80	68-10-15			10800	280	A 8160
67-03-16			2620	590	A 4170	68-10-23			17600	490	A 23300
67-03-22			2600	20	A 140	68-10-28			13100	140	A 4950
67-03-30			2770	20	A 150	68-11-04			13000	1840	A 64600
67-04-04			1830	70	A 346	68-11-13			16300	160	A 7040
67-04-12			3600	130	A 1260	68-11-18			29000	730	A 57200
67-04-17			15400	960	A 39900	68-11-25			26900	330	A 24000
67-04-19			11100	380	A 11400	68-12-02			46200	320	A 39900
67-04-26			7600	280	A 5750	68-12-06			67500	640	A 117000
67-05-02			4790	160	A 2070	68-12-09			38200	300	A 30900
67-05-12			9460	250	A 6390	68-12-16			32900	370	A 32900
67-05-15			6770	290	A 5300	68-12-23			33900	270	A 24700
67-05-23			9640	390	A 10200	69-01-06			51500	80	A 11100
67-05-31			5700	390	A 6000	69-01-13			27700	160	A 12000
67-06-08			5660	140	A 2140	69-01-20			30100	150	A 12200
67-06-15			22700	950	A 58200	69-01-28			32700	370	A 32700
67-06-20			19500	320	A 16800	69-02-04			75600	410	A 83700
67-06-27			35200	350	A 33300	69-02-10			53100	270	A 38700
67-06-29			51400	400	A 55500	69-02-19			43400	360	A 42200
67-07-03			76800	760	A 158000	69-02-25			64100	920	A 159000
67-07-07			67400	760	A 138000	69-03-05			40900	560	A 61800
67-07-10			60400	280	A 45700	69-03-10			43200	550	A 64200
67-07-18			31300	320	A 27000	69-03-20			19900	330	A 17700
67-07-26			25000	140	A 9450	69-03-26			108000	1830	A 534000
67-08-01			29700	350	A 28100	69-03-28			85800	1100	A 255000
67-08-09			21100	180	A 10300	69-04-02			88700	320	A 76600
67-08-14			8600	110	A 2550	69-04-07			47800	630	A 81300
67-08-24			11800	90	A 2870	69-04-14			40200	680	A 73800
67-08-29			8400	90	A 2040	69-04-22			70900	300	A 57400
67-09-12			10700	120	A 3470	69-04-30			64400	840	A 146000
67-09-21			25800	290	A 20200	69-05-06			80700	840	A 183000
67-09-27			14400	140	A 5440	69-05-09			88000	1310	A 311000
67-10-05			12800	150	A 5180	69-05-13			88200	310	A 73800
67-10-12			17600	280	A 13300	69-05-20			91000	540	A 133000
67-10-18			21500	270	A 15700	69-05-22			95100	300	A 77000
67-10-24			25400	270	A 18500	69-05-28			51200	410	A 56700
67-11-01			28500	680	A 52300	69-06-03			72300	1190	A 232000
67-11-06			32400	290	A 25400	69-06-06			94200	400	A 102000
67-11-15			20500	250	A 13800	69-06-09			57800	430	A 67100
67-11-22			18900	100	A 5100	69-06-18			66100	580	A 104000
67-11-30			16300	240	A 10600	69-06-24			58500	320	A 50500
67-12-04			7800	70	A 1470	69-06-30			90000	620	A 151000
67-12-18			15500	270	A 11300	69-07-02			99000	650	A 174000
68-01-03			10100	110	A 3000	69-07-07			55900	400	A 60400
68-01-10			21900	350	A 20700	69-07-14			33400	420	A 37900
68-01-16			11800	230	A 7330	69-07-23			25700	170	A 11800
68-01-25			18180	190	A 9330	69-08-01			25200	130	A 8850
68-02-01			62000	820	A 137000	69-08-06			24200	860	A 56200
68-02-06			54700	900	A 133000	69-08-13			16100	140	A 6090
68-02-09			33200	170	A 15200	69-08-19			16300	240	A 10600
68-02-12			24100	830	A 54000	69-08-27			9700	230	A 6020
68-02-19			26800	790	A 57200	69-09-02			5990	60	A 970
68-02-26			20900	230	A 13000	69-09-08			9520	60	A 1540
68-03-04			6310	80	A 1360	69-09-16			17700	120	A 5730
68-03-13			32200	1080	A 93900	69-09-24			31400	320	A 27100
68-03-14			35000	210	A 19800	69-09-30			25500	310	A 21300
68-03-19			31000	740	A 61900	69-10-09			13400	70	A 2530
68-03-22			88400	1640	A 391000	69-10-15			54700	1690	A 250000
68-03-25			89900	3110	A 755000	69-10-23			41300	610	A 68000
68-03-28			88100	950	A 226000	69-10-29			13900	150	A 5630
68-04-03			56600	540	A 82500	69-11-05			14400	70	A 2720
68-04-08			58900	660	A 105000	69-11-10			10700	70	A 2020
68-04-17			25000	460	A 31100	69-11-18			20000	340	A 18400
68-04-23			76400	1900	A 392000	69-11-28			6840	30	A 554
68-05-01			39300	770	A 81700	69-12-03			20700	280	A 15600
68-05-07			23000	2130	A 132000	69-12-11			16700	130	A 5860
68-05-15			69600	1180	A 222000	69-12-22			7660	70	A 1450
68-05-20			63900	1330	A 229000	70-01-13			20800	70	A 3930
68-05-27			59400	1050	A 168000	70-01-23			14800	100	A 4000
68-05-31			76900	1930	A 401000	70-01-28			11600	110	A 3450
68-06-05			63400	600	A 103000	70-02-03			7840	130	A 2750
68-06-12			31700	490	A 41900	70-02-09			4700	40	A 508
68-06-19			20800	610	A 34300	70-02-16			3660	170	A 1680
68-06-27			65900	1550	A 276000	70-02-27			15400	160	A 6650

\*\*\*\*\*  
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## ARKANSAS RIVER BASIN

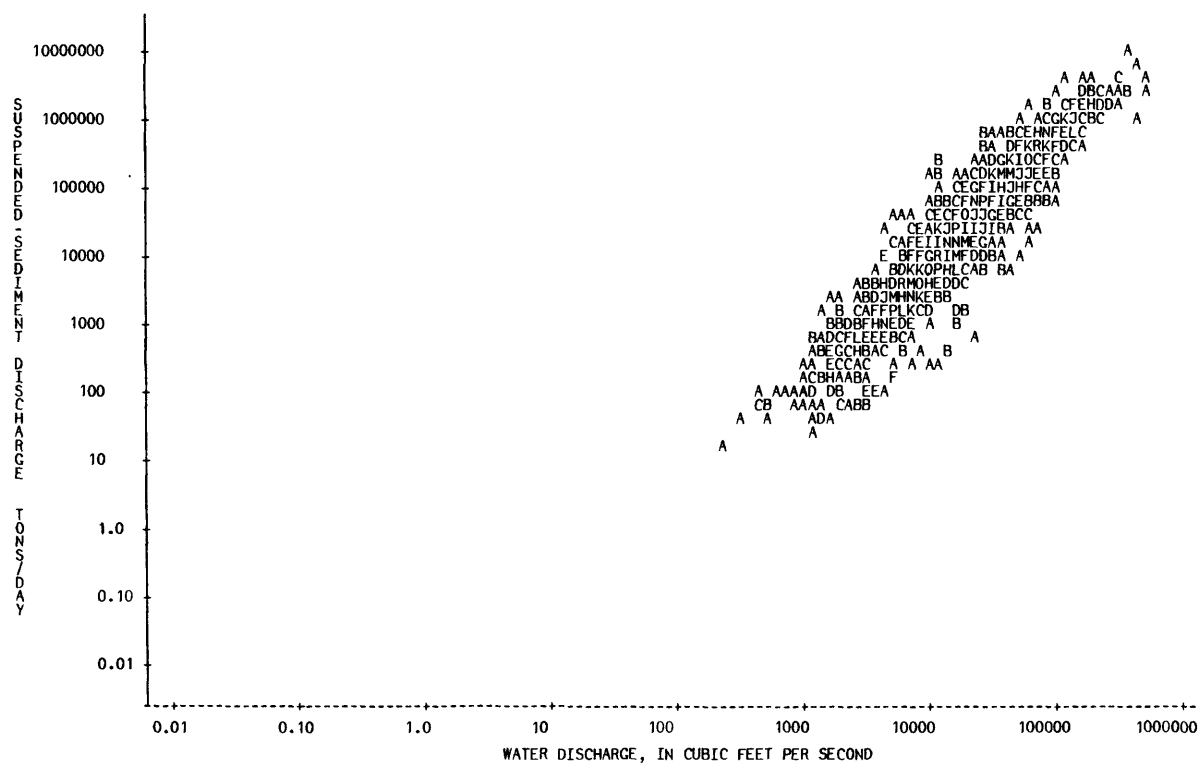
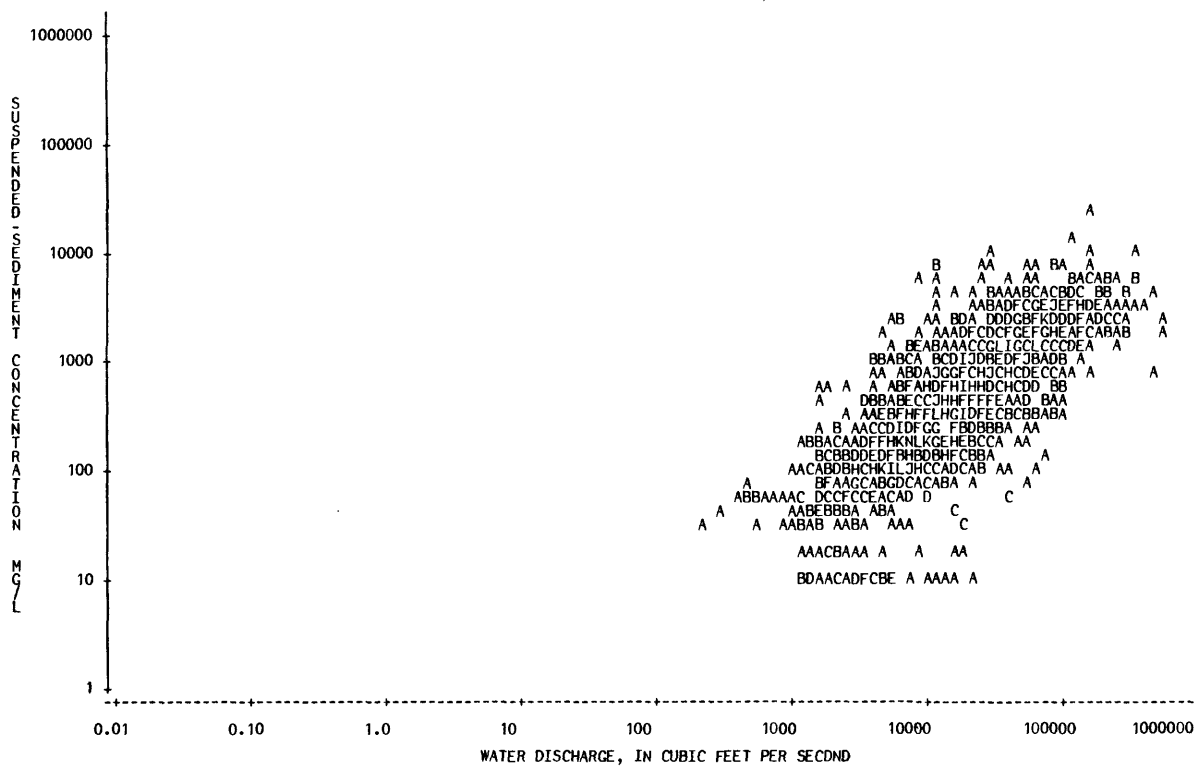
07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-03-06			11000	130	A 3860						
70-03-18			22000	280	A 16600						
70-03-23			14300	90	A 3470						
70-03-31			17100	270	A 12500						
70-04-13			37500	550	A 55700						
70-04-22			75600	1710	A 349000						
70-04-24			98800	1640	A 437000						
70-04-27			67700	360	A 65800						
70-05-01			109000	1270	A 374000						
70-05-03			98700	930	A 248000						
70-05-07			96800	1320	A 345000						
70-05-12			98200	800	A 212000						
70-05-21			60000	240	A 38900						
70-05-27			27000	410	A 29900						
70-06-04			42600	980	A 113000						
70-06-09			46300	190	A 23800						
70-06-15			46500	630	A 79100						
70-06-26			51900	540	A 75700						
70-07-02			21500	420	A 24400						
70-07-07			15300	4350	A 180000						
70-07-15			11200	180	A 5440						
70-07-21			17500	210	A 9920						
70-07-27			10100	80	A 2180						
70-08-06			16800	230	A 10400						
70-08-14			5790	30	A 469						
70-08-18			9070	90	A 2200						
70-08-25			6400	100	A 1730						
70-08-31			7680	130	A 2700						
70-09-09			4120	50	A 556						
70-09-16			9780	60	A 1580						
70-09-24			19000	280	A 14400						
70-09-28			23000	370	A 23000						
70-10-12			46600	990	A 125000						
70-10-13			40100	800	A 86600						
70-10-14			1530	130	A 537						
70-10-16			5930	70	A 1120						
70-10-20			37300	260	A 26200						
70-10-27			80900	380	A 83000						
70-11-02			73500	120	A 23800						
70-11-09			29000	250	A 19600						
70-11-10			6060	100	A 1640						
70-11-19			19600	30	A 1590						
70-11-24			4070	50	A 549						
70-12-08			3120	80	A 674						
70-12-15			1410	10	A 38						
70-12-21			2720	60	A 441						
71-01-04			34300	100	A 9260						
71-01-14			40300	50	A 5440						
71-01-21			15900	160	A 6870						
71-01-25			4710	90	A 1140						
71-02-02			16800	40	A 1810						
71-02-11			16300	40	A 1760						
71-02-18			16000	20	A 864						
71-02-23			42700	60	A 6920						
71-03-19			25200	510	A 34700						
71-03-23			18300	30	A 1480						
71-03-31			7310	1080	A 21300						
71-04-07			2890	50	A 390						
71-05-12			4910	60	A 795						
71-06-09			21800	100	A 5890						
71-06-16			38300	110	A 11400						
71-07-20			17200	20	A 929						
71-08-06			8420	20	A 455						
71-08-24			8660	830	A 19400						
71-09-13			17300	30	A 1400						
71-12-07	1210		26000	110	A 7720						
71-12-16	1200		119000	780	A 251000						
71-12-29	1000		39800	50	A 5370						
72-03-28	1145		15200	40	A 1640						

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07246500 ARKANSAS RIVER NEAR SALLISAW, OKLA.



## ARKANSAS RIVER BASIN

07246615 COAL CREEK NEAR SPIRO, OKLA.

LOCATION.--Lat 35°15'11", long 94°45'17", on south edge of NW 1/4 sec.15, T.9 N., R.24 E., LeFlore County, Hydrologic Unit 11110104, on right downstream side of bridge on U.S. Highway 59 and State Highway 9, 0.4 mi (0.6 km) southeast of junction of U.S. Highway 59 and State Highway 9, 7.1 mi (11.4 km) west of Spiro, and at mile 2.0 (3.2 km).

DRAINAGE AREA.--18.1 mi<sup>2</sup> (46.9 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-04		0945	1.8	132	0.64	79-11-05		1355	1.0	107	0.29
78-12-11		1200	0.61	69	0.11	79-11-13		0815	0.77	57	0.12
78-12-18		0845	0.58	78	0.12	79-11-19		1620	1.0	84	0.23
78-12-26		0910	0.89	101	0.24	79-11-26		1330	1.3	65	0.23
79-01-02		0900	4.6	96	1.2	79-11-27		0300	1.3	60	0.21
79-01-17		0910	5.0	108	1.5	79-11-27	1		1.6 *	47	0.20
79-01-19		1409	36	116	11	79-11-30		1215	0.96	89	0.23
79-01-22		1545	13	61	2.1	79-12-01	2		0.96 *	31	0.08
79-02-01		1335	3.2	78	0.67	79-12-03			0.96	50	0.13
79-02-08		1442	7.6	84	1.7	79-12-03		1445	0.96	110	0.29
79-02-26		1605	76	70	14	79-12-04	2		1.1 *	59	0.18
79-03-05		1415	27	35	2.6	79-12-07	2		1.1 *	42	0.12
79-03-09		1300	60	90	15	79-12-10		1030	0.90	120	0.29
79-03-09		1320	13	40	1.4	79-12-10		1330	0.90	75	0.18
79-03-15		1400	7.8	67	1.4	79-12-11		1015	0.90	112	0.27
79-03-23		1200	38	56	5.7	79-12-17		1255	1.4	98	0.37
79-03-23		1400	36	111	11	79-12-31		0845	1.9	78	0.40
79-03-27		1140	56	123	19	80-01-07		1215	1.7	62	0.28
79-03-27		1400	57	173	27	80-01-14		1015	1.7	55	0.25
79-03-28		1200	29	54	4.2	80-01-24		1315	2.5	55	0.37
79-04-04		0935	16	24	1.0	80-01-31		1030	2.1	62	0.35
79-04-09		0845	7.4	47	0.94	80-02-07		1145	1.4	69	0.26
79-04-11		1620	319	898	773	80-02-14		1310	4.1	60	0.66
79-04-16		1425	7.9	42	0.90	80-02-21		0925	2.2	6	0.04
79-04-20		1310	5.3	51	0.73	80-02-21		1225	2.2	11	0.07
79-04-25		1645	7.3	172	3.4	80-02-22	0		1.9 *	11	0.06
79-05-02		1615	6.7	70	1.3	80-02-25	1		1.6 *	8	0.03
79-05-04		0835	46	119	15	80-02-28		1214	1.3	2	0.01
79-05-05		0900	25	48	3.2	80-02-28		1235	1.5	1	0.00
79-05-11		1005	243	464	304	80-02-28		2100	1.7	6	0.03
79-05-17		1420	4.6	78	0.98	80-03-03	1		1.5 *	4	0.02
79-05-29		1621	61	65	11	80-03-06		1415	1.4	2	0.01
79-06-09		1415	22	46	2.7	80-03-06		1550	1.4	6	0.02
79-06-15		1420	6.1	74	1.2	80-03-06		2200	1.4	4	0.02
79-06-26		1050	3.5	140	1.3	80-03-14		0700	1.6	8	0.03
79-06-30		0950	2.7	120	0.87	80-03-21		1256	1.9	10	0.05
79-07-02		1325	2.7	134	0.98	80-03-21		1450	2.0	11	0.06
79-07-10		1432	8.6	143	3.3	80-03-21		2200	1.7	10	0.05
79-07-16		1400	1.7	95	0.44	80-03-22		0930	1.6	11	0.05
79-07-26		1150	2.2	115	0.68	80-03-22		2100	1.5	8	0.03
79-08-01		1400	2.7	77	0.56	80-03-23		1330	2.4	40	0.26
79-08-07		0850	2.0	86	0.47	80-03-23		1600	4.6	128	1.6
79-08-15		0855	4.4	101	1.2	80-03-24	1		14 *	534	20
79-08-20		0830	1.5	94	0.38	80-03-26		0300	8.8	603	14
79-08-28		0840	3.2	90	0.78	80-03-26		0900	7.6	318	6.5
79-09-04		0930	1.7	104	0.47	80-03-26		2100	6.1	132	2.2
79-09-17		0910	1.0	108	0.29	80-03-27		2100	4.6	69	0.86
79-09-24		0815	1.0	95	0.26	80-03-28		1255	12	36	1.2
79-09-28		0820	0.89	93	0.22	80-03-28	0		12 *	27	0.87
79-10-01		1006	0.90	105	0.26	80-03-29		1430	10.0	20	0.54
79-10-05		0820	1.5	130	0.53	80-03-29		1530	23	31	1.9
79-10-16		0955	1.6	106	0.46	80-03-29		1545	41	95	11
79-10-25		1000	3.7	110	1.1	80-03-29		1600	62	174	29

\*\*\*\*\*  
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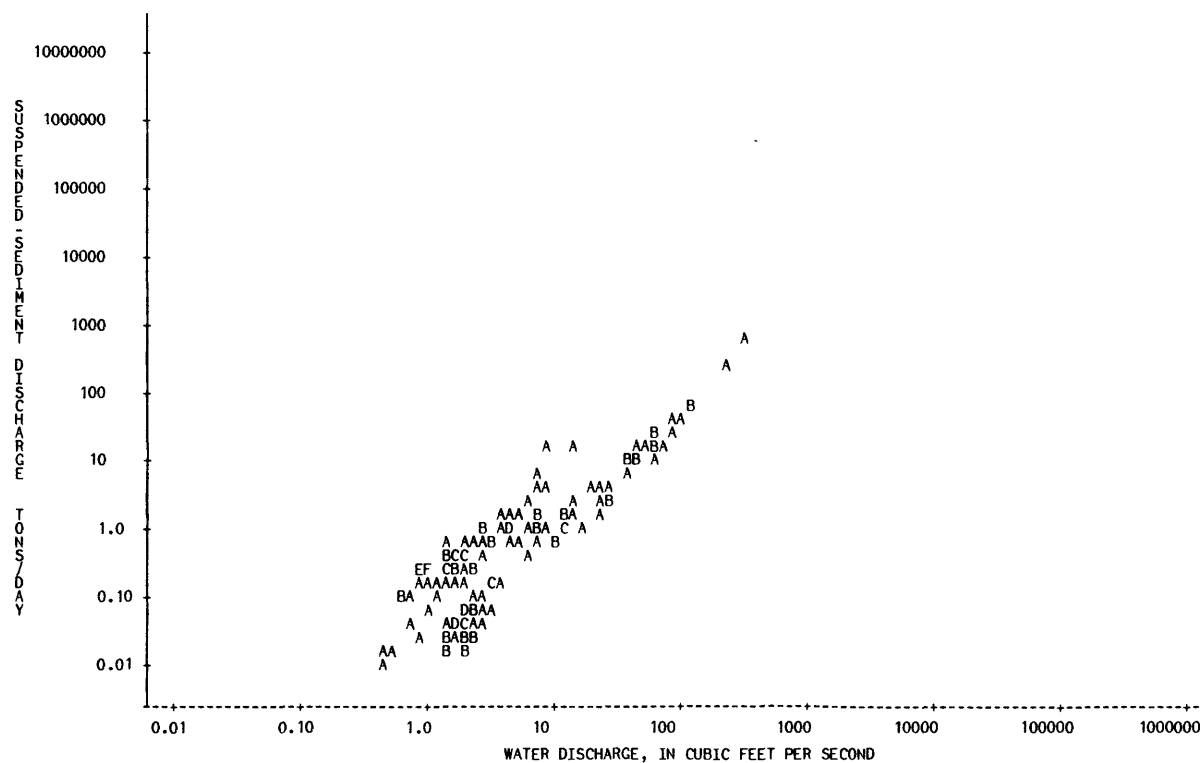
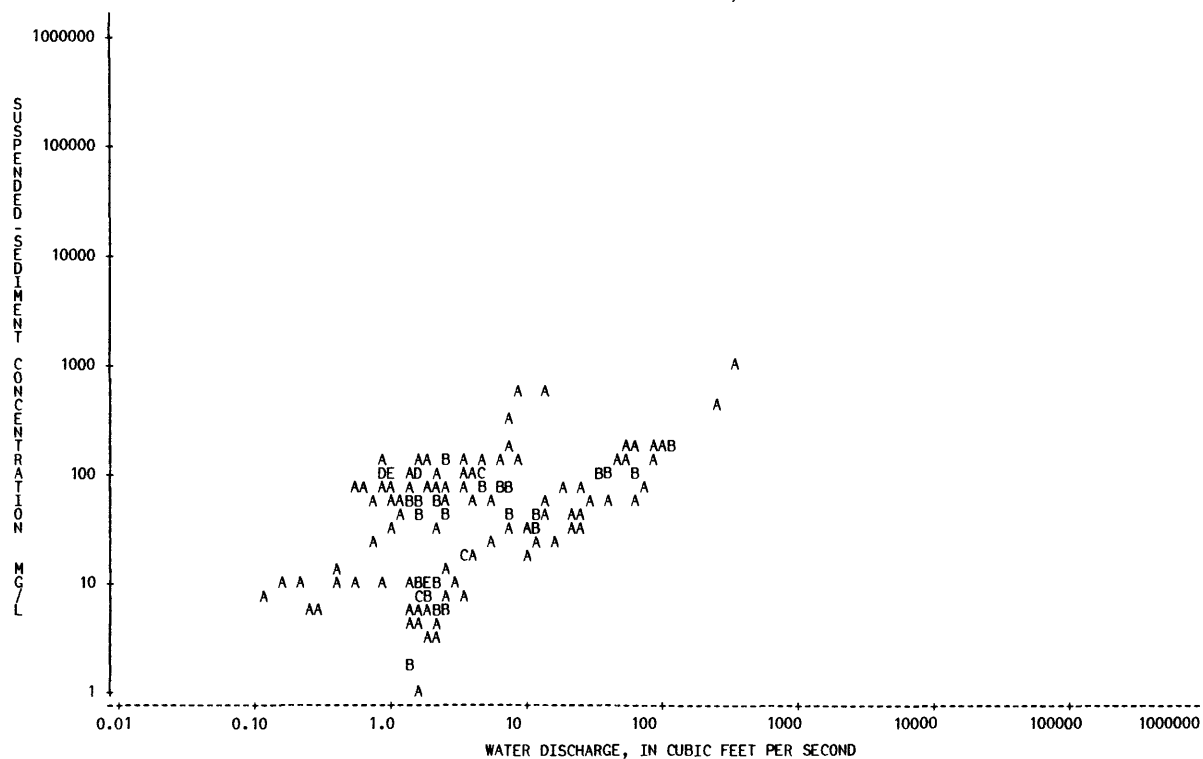
## ARKANSAS RIVER BASIN

07246615 COAL CREEK NEAR SPIRO OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
80-03-29		1610	89	194	47						
80-03-29		1700	125	193	65						
80-03-29		1815	123	166	55						
80-03-29		2015	107	168	49						
80-03-29		2315	91	132	32						
80-03-30		0130	64	116	20						
80-03-30		0530	41	94	10						
80-03-30		1500	24	74	4.8						
80-03-30		2000	20	67	3.6						
80-03-31		1945	12	46	1.5						
80-03-31		2145	12	41	1.3						
80-04-01		1930	7.6	29	0.60						
80-04-02	1		5.7 *	22	0.34						
80-04-04	1		3.7 *	16	0.16						
80-04-06	1		3.4 *	18	0.17						
80-04-07		1445	3.2	16	0.14						
80-04-07		1545	3.2	16	0.14						
80-04-08	1		2.8 *	11	0.08						
80-04-10	1		2.2 *	9	0.05						
80-04-14		1030	2.1	3	0.02						
80-04-14		1220	2.1	52	0.29						
80-04-14		1228	2.1	31	0.18						
80-04-15	0		2.0 *	8	0.04						
80-04-16		2130	1.8	3	0.01						
80-04-17		1700	3.4	8	0.07						
80-04-18		2115	2.7	6	0.04						
80-04-19		2100	2.0	7	0.04						
80-04-21		1210	1.9	11	0.06						
80-04-21	3		1.8 *	5	0.02						
80-04-25		2100	2.1	5	0.03						
80-04-26		2100	2.4	5	0.03						
80-04-27		2100	2.2	4	0.02						
80-04-28		1420	2.5	8	0.05						
80-04-28		1545	2.4	47	0.30						
80-05-12		1007	2.0	11	0.06						
80-05-19		1358	12	30	0.97						
80-05-23		1135	9.6	29	0.75						
80-06-02		1305	2.4	13	0.08						
80-06-10		1240	1.3	11	0.04						
80-06-17		1245	0.83	11	0.02						
80-06-24		1115	1.5	48	0.19						
80-07-01		0740	0.77	21	0.04						
80-07-14		0850	0.42	11	0.01						
80-07-21		0845	0.42	12	0.01						
80-07-28		0830	0.53	10	0.01						
80-08-04		0825	0.29	6	0.00						
80-08-11		0923	0.22	10	0.01						
80-08-18		0855	0.24	5	0.00						
80-08-25		0850	0.12	8	0.00						
80-09-02		0855	0.15	9	0.00						

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## ARKANSAS RIVER BASIN

07247000 POTEAU RIVER AT CAUTHRON, ARK.

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 (4.7 km) downstream from Cross Creek, 7.8 mi (12.6 km) downstream from Jones Creek, and at mile 109.0 (175.4 km).

DRAINAGE AREA.--203 mi<sup>2</sup> (526 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1939-42, 1944-45, 1947-50, 1964, 1968.

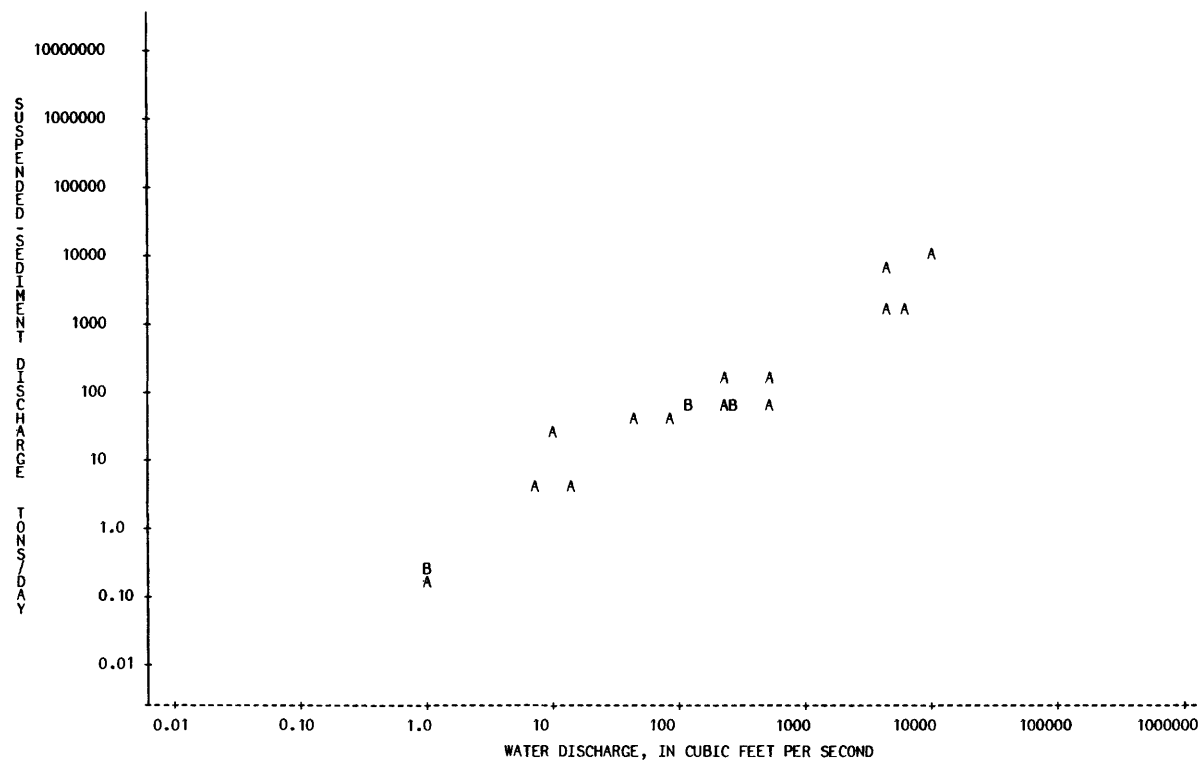
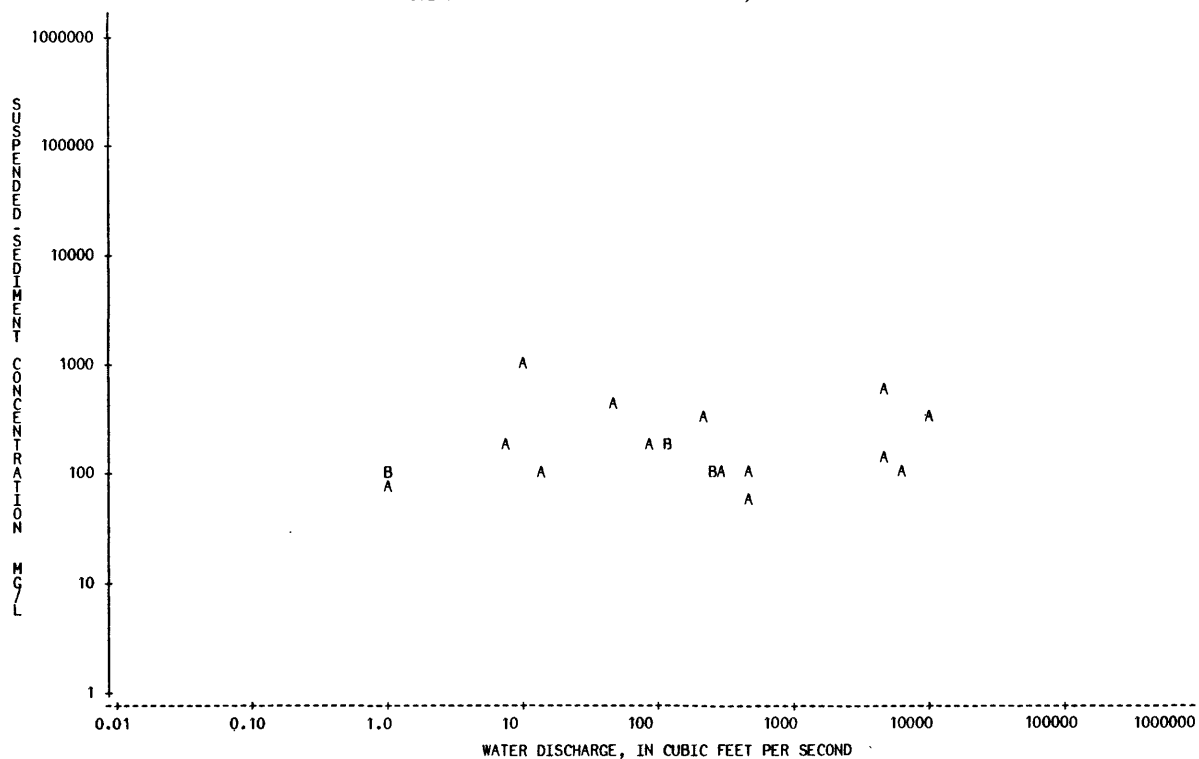
REMARKS.--Upstream floodwater-retarding structures currently control 74.8 mi<sup>2</sup> (193.7 km<sup>2</sup>). Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-06-28			81	200	A 44						
39-08-29			1.0	100	A 0.27						
40-05-31			45	400	A 49						
40-06-14			14	100	A 3.8						
41-01-17			110	200	A 59						
41-10-31			10300	300	A 8340						
44-03-16			4450	130	A 1560						
44-03-28			264	100	A 71						
44-05-30			237	100	A 64						
45-03-06			4650	500	A 6280						
47-06-12			7.0	200	A 3.8						
47-07-08			1.0	100	A 0.27						
47-12-18			233	300	A 189						
48-06-14			122	200	A 66						
49-06-13			489	100	A 132						
49-12-27			290	100	A 78						
50-D1-04			6500	100	A 1760						
64-03-11			480	50	A 65						
67-10-30			10.0	970	A 26						
67-12-14			1.0	70	A 0.19						

\*\*\*\*\*  
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07247000 POTEAU RIVER AT CAUTHRON, ARK.



## ARKANSAS RIVER BASIN

07247450 FOURCHE MALINE NEAR WILBURTON, OKLA.

LOCATION.--Lat 34°55'25", long 95°15'10", on east line of NW 1/4 sec.12, T.5 N., R.19 E., Latimer County, Hydrologic Unit 11110105, on right downstream end of bridge on U.S. Highway 270, 2.5 mi (4 km) east of water tower in Wilburton, and at mile 53.1 (85.4 km).

DRAINAGE AREA.--56.2 mi<sup>2</sup> (145.6 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-28	1015	12	142	4.4		80-02-19	0953	9.4	16	0.41	
78-12-15	1045	2.6	19	0.14		80-02-25	1135	5.4	17	0.25	
79-01-09	1013	2.8	23	0.17		80-03-03	1300	4.8	15	0.19	
79-01-18	1005	7.2	39	0.75		80-03-13	1135	3.5	12	0.11	
79-01-31	1025	18	204	10		80-03-20	1020	7.9	20	0.43	
79-02-03	1258	14	30	1.2		80-03-26	0912	12	20	0.65	
79-02-09	0952	15	31	1.2		80-04-03	1200	4.6	25	0.31	
79-03-02	1255	232	40	25		80-04-11	1020	4.0	20	0.22	
79-03-10	1325	35	33	3.1		80-04-17	0945	2.8	30	0.23	
79-03-16	1320	34	33	3.0		80-04-24	1147	1.9	30	0.15	
79-03-26	1320	201	51	28		80-04-29	1115	25	22	1.5	
79-04-02	1411	306	68	56		80-05-09	1130	38	29	3.0	
79-04-14	1024	236	70	45		80-05-16	1300	288	68	53	
79-04-21	1435	62	38	6.3		80-05-22	1112	112	47	14	
79-04-28	1245	19	29	1.5		80-05-30	1100	25	31	2.1	
79-05-04	1340	172	47	22		80-06-09	1045	3.3	30	0.27	
79-05-10	1255	26	42	2.9		80-06-16	1045	1.2	24	0.08	
79-05-18	1330	15	41	1.7		80-06-23	1415	9.2	44	1.1	
79-05-25	1217	239	44	28		80-06-30	1205	3.5	26	0.25	
79-06-01	1240	243	47	31		80-07-10	1255	0.55	15	0.02	
79-06-07	1445	1700	154	707		80-07-17	1000	0.10	14	0.00	
79-06-11	1330	243	40	26		80-07-24	0950	0.03	7	0.00	
79-06-16	1115	30	23	1.9		80-07-30	0940	1.1	16	0.05	
79-06-25	1118	16	31	1.3		80-08-08	1135	0.09	11	0.00	
79-07-05	1030	2.6	64	0.46		80-08-13	0955	0.10	7	0.00	
79-07-11	1030	1.9	48	0.25		80-08-21	1110	0.08	5	0.00	
79-07-19	0930	3.7	62	0.61		80-08-27	1606	0.04	16	0.00	
79-08-09	1020	2.0	41	0.23							
79-08-14	0835	2.8	44	0.33							
79-08-17	1030	2.0	40	0.22							
79-08-22	1600	1.7	40	0.18							
79-08-30	0850	9.2	66	1.6							
79-09-07	1140	2.0	40	0.22							
79-09-14	1010	1.3	39	0.14							
79-09-21	1130	0.97	37	0.10							
79-09-27	1355	0.61	32	0.05							
79-10-02	1300	0.61	24	0.04							
79-10-09	1019	0.34	55	0.05							
79-10-18	1010	0.12	51	0.02							
79-10-24	0930	0.19	43	0.02							
79-11-07	1400	5.2	28	0.39							
79-11-14	1000	3.3	36	0.32							
79-11-20	1125	3.8	37	0.38							
79-11-28	1345	5.9	19	0.30							
79-12-07	0915	5.2	17	0.24							
79-12-14	1235	19	25	1.3							
79-12-19	1045	8.1	27	0.59							
79-12-27	1030	16	47	2.0							
80-01-02	0840	9.2	28	0.70							
80-01-10	1230	5.9	27	0.43							
80-01-16	1050	5.2	35	0.49							
80-01-22	1030	7.4	32	0.64							
80-02-04	1120	3.3	28	0.25							

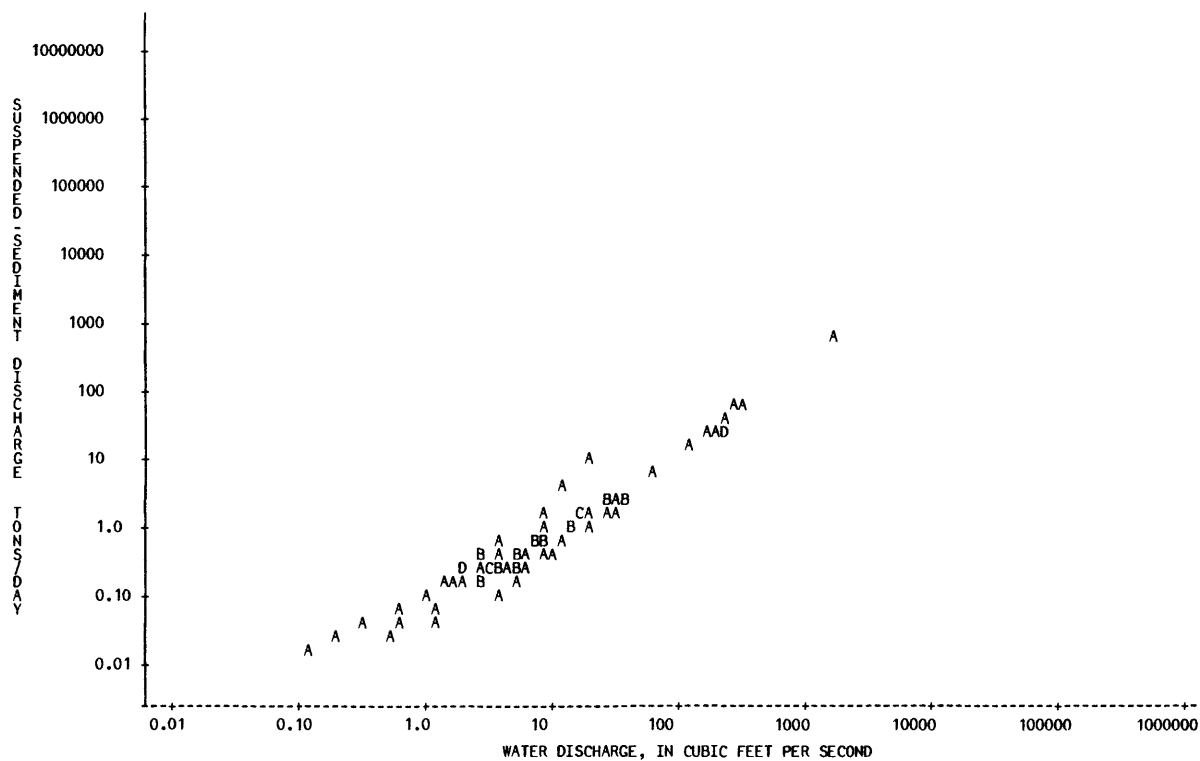
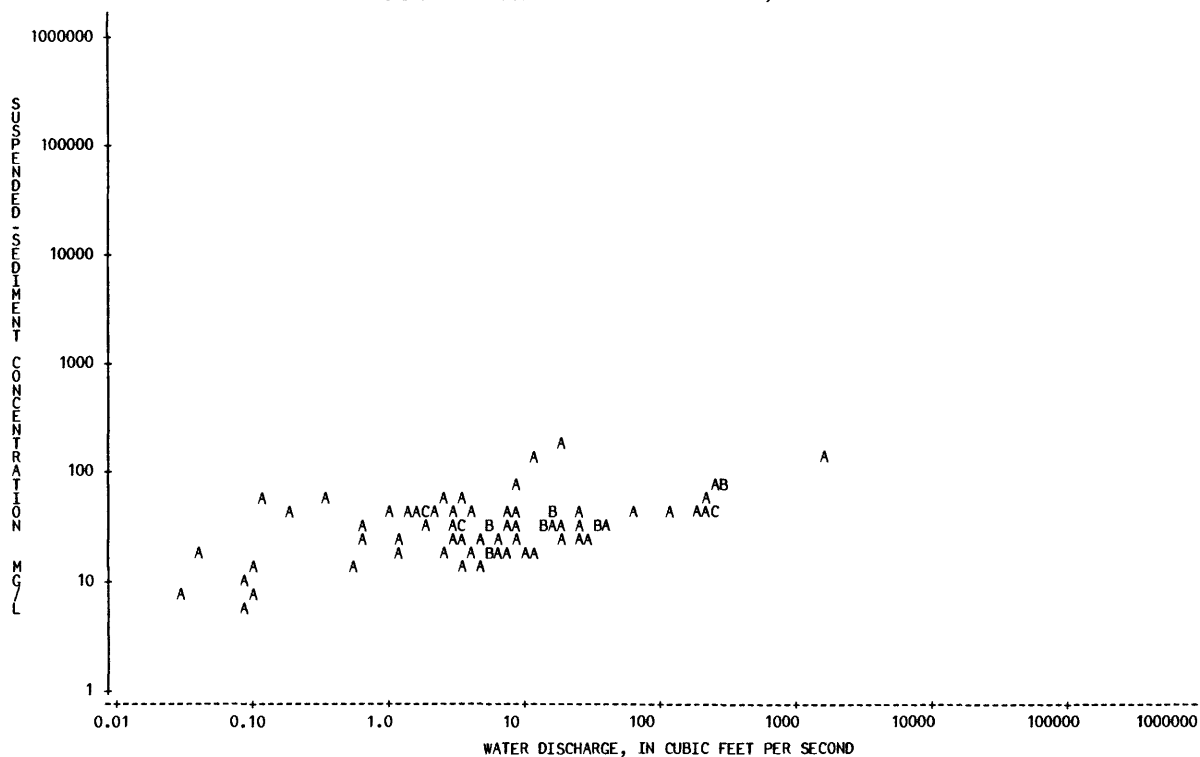
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\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

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## ARKANSAS RIVER BASIN

07247500 FOURCHE MALINE NEAR RED OAK, OKLA.

LOCATION.--Lat 34°54'44", long 95°09'20", in NW 1/4 NW 1/4 sec.13, T.5 N., R.20 E., Latimer County, Hydrologic Unit 11110105, on downstream side of left abutment of county road bridge, 0.1 mi (0.2 km) downstream from Little Fourche Maline, 5.0 mi (8.0 km) southwest of Red Oak, and at mile 41.2 (66.3 km).

DRAINAGE AREA.--122 mi<sup>2</sup> (316 km<sup>2</sup>).

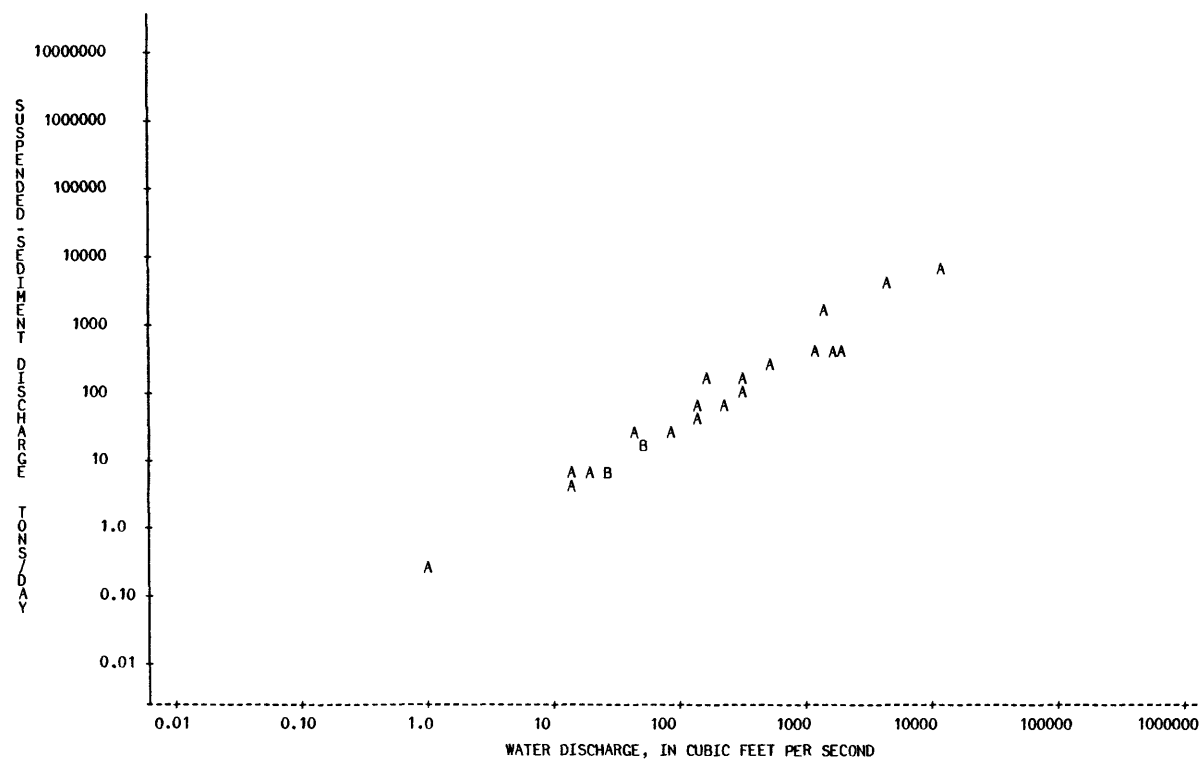
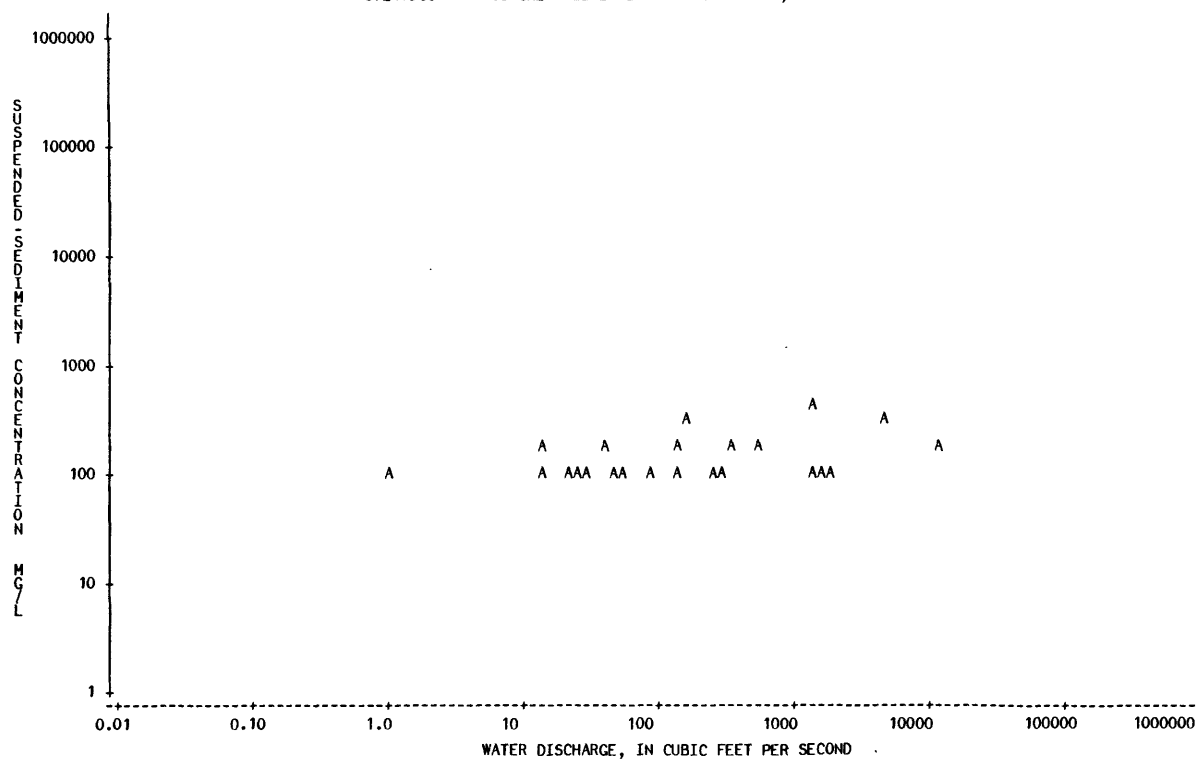
PERIOD OF RECORD.--Water years 1940-42, 1944-45, 1947-48, 1951.

REMARKS.--Initial upstream floodwater-retarding structure was completed in October 1962. The remaining construction was completed in 1971 with 82.5 mi<sup>2</sup> (214 km<sup>2</sup>) of the drainage area above the station controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-04-11			4700	300	A 3810						
40-04-12	0001		1850	100	A 500						
40-04-12	0002		1690	100	A 456						
40-04-12	0003		1280	100	A 346						
40-04-14			135	200	A 73						
40-04-24			27	100	A 7.3						
40-05-04			42	200	A 23						
40-06-13			28	100	A 7.6						
40-08-18			336	200	A 181						
41-01-15			168	300	A 136						
41-01-24			509	200	A 275						
41-10-07			89	100	A 24						
44-03-02			239	100	A 65						
44-04-20			314	100	A 85						
44-06-07			51	100	A 14						
45-05-15			11000	200	A 5940						
47-06-11			14	200	A 7.6						
47-12-17			137	100	A 37						
48-04-08			21	100	A 5.7						
48-05-19			49	100	A 13						
48-06-02			14	100	A 3.8						
48-06-15			1.0	100	A 0.27						
51-02-21			1430	400	A 1540						

\*\*\*\*\*  
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07247500 FOURCHE MALINE RIVER NEAR RED OAK, OKLA.



## ARKANSAS RIVER BASIN

07247550 RED OAK CREEK NEAR RED OAK, OKLA.

LOCATION.--Lat 34°56'23", long 95°01'58", on east line in NE 1/4 sec.1, T.5 N., R.22 E., Latimer County, Hydrologic Unit 11110105, on right downstream side of bridge on county road, 0.9 mi (1.4 km) south of intersection with U.S. Highway 270, and 2.5 mi (4.0 km) southeast of Red Oak.

DRAINAGE AREA.--13.10 mi<sup>2</sup> (33.9 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-10		1430	1.0	45	0.12	80-05-09		0950	1.2	25	0.08
78-12-15		1515	0.33	30	0.03	80-05-16		0915	129	153	53
79-01-09		1450	0.80	30	0.06	80-05-22		0915	30	60	4.9
79-01-18		1340	95	138	35	80-05-30		1310	1.6	20	0.09
79-02-03		1020	3.8	47	0.48	80-06-09		1215	0.01	13	0.00
79-02-09		1248	5.9	45	0.72	80-06-23		0935	10.0	22	0.59
79-02-16		1500	1.9	47	0.24	80-06-30		0940	0.46	9	0.01
79-02-24		0920	15	66	2.7						
79-03-02		0845	29	26	2.1						
79-03-10		1255	1.9	28	0.14						
79-03-16		1145	0.55	26	0.04						
79-03-22		1000	21	30	1.7						
79-03-26		1055	6.8	33	0.61						
79-04-02		1045	35	40	3.8						
79-04-07		1415	5.8	27	0.42						
79-04-14		1452	16	26	1.1						
79-04-21		1100	27	61	4.4						
79-04-28		0910	6.7	30	0.55						
79-05-04		1020	42	45	5.1						
79-05-10		1045	0.67	34	0.06						
79-05-18		1046	1.1	36	0.11						
79-05-25		0947	10	35	0.97						
79-06-01		1007	5.2	38	0.53						
79-06-11		1105	9.6	39	1.0						
79-06-16		0905	0.55	18	0.03						
79-06-25		0925	1.3	25	0.08						
79-07-12		1250	0.02	46	0.00						
79-07-30		1555	0.25	75	0.05						
79-09-06		0900	0.02	54	0.00						
79-11-07		1655	0.01	55	0.00						
79-11-20		0930	0.01	40	0.00						
79-11-27		0912	0.13	43	0.02						
79-12-07		1145	0.01	51	0.00						
79-12-13		0940	14	81	3.1						
79-12-19		0930	0.06	49	0.01						
79-12-26		0915	1.0	85	0.23						
80-01-03		1350	0.08	41	0.01						
80-01-09		0930	0.03	45	0.00						
80-01-16		0905	0.13	41	0.01						
80-01-22		0900	3.9	41	0.43						
80-02-04		0910	0.17	52	0.02						
80-02-12		0915	14	34	1.3						
80-02-19		0840	1.6	21	0.09						
80-02-25		1005	0.32	19	0.02						
80-03-03		0950	0.10	16	0.00						
80-03-13		0835	0.32	10	0.01						
80-03-18		0855	6.6	74	1.3						
80-03-26		1100	8.1	153	3.3						
80-04-03		0945	12	49	1.6						
80-04-11		0850	0.08	12	0.00						
80-04-17		0840	0.10	10	0.00						
80-04-24		0920	0.02	6	0.00						
80-04-29		0945	0.13	7	0.00						

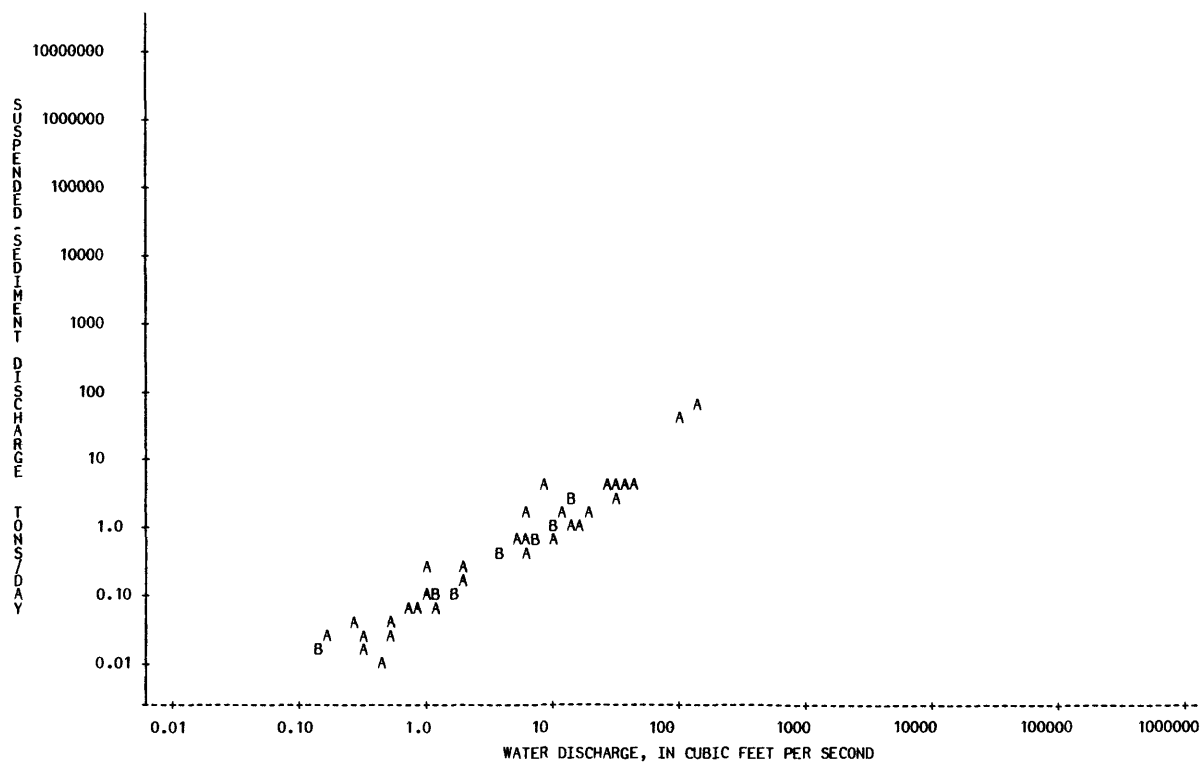
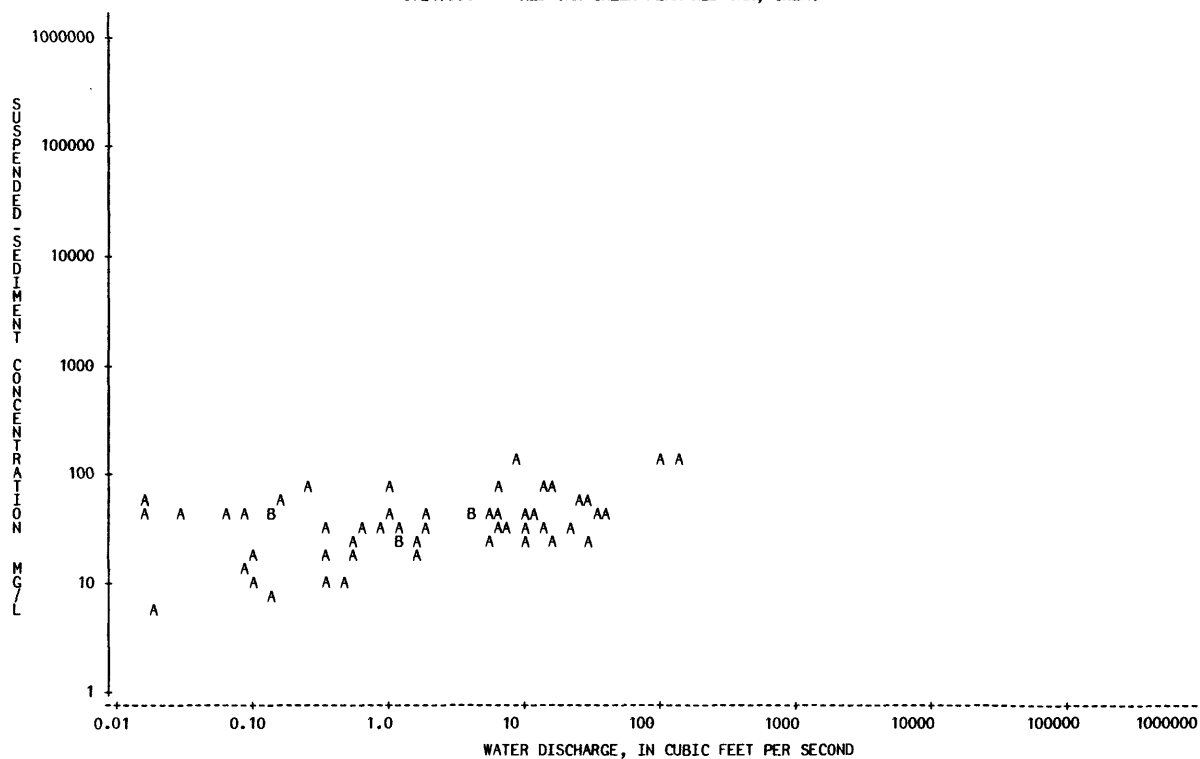
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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07248500 POTEAU RIVER NEAR WISTER, OKLA.

LOCATION.--Lat 34°56'15", long 94°42'54", in NW 1/4 NW 1/4 sec.6, T.5 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, on left bank of outflow channel 700 ft (213.4 m) downstream from Wister Dam, 2.2 mi (3.5 km) southeast of Wister, 2.6 mi (4.2 km) upstream from Caston Creek, and at mile 60.8 (97.8 km).

DRAINAGE AREA.--993 mi<sup>2</sup> (2,572 km<sup>2</sup>).

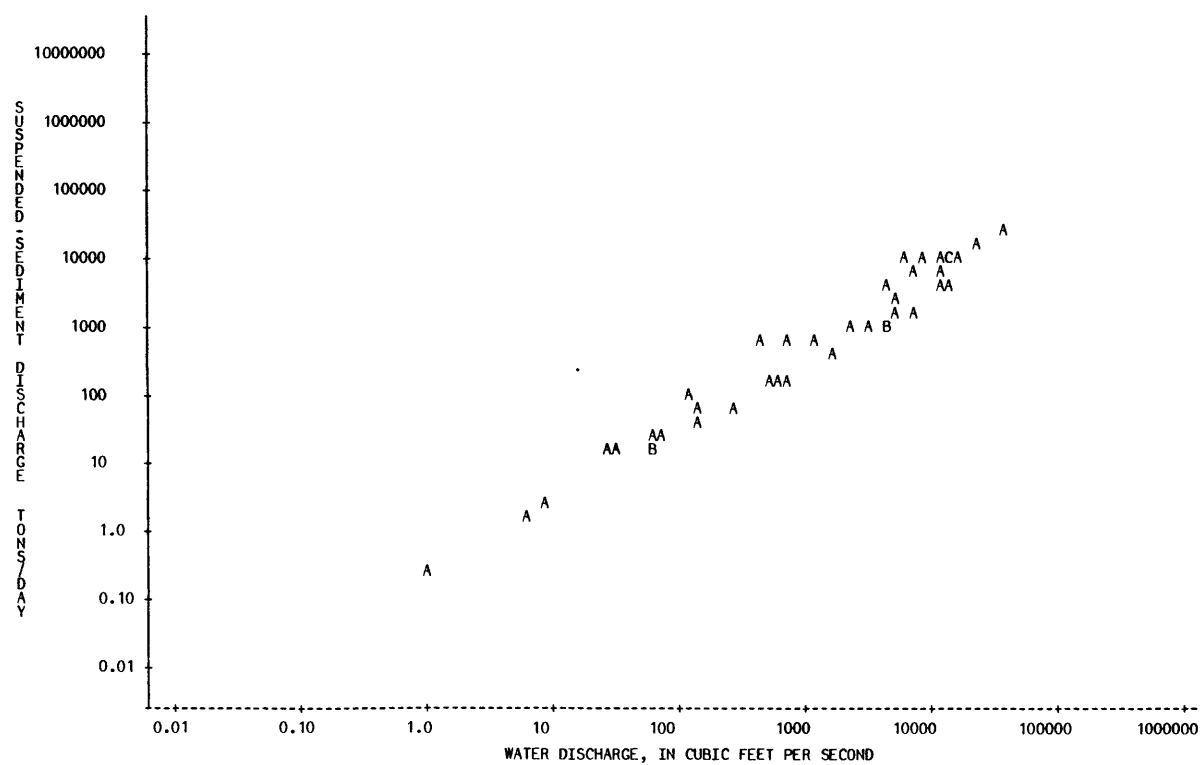
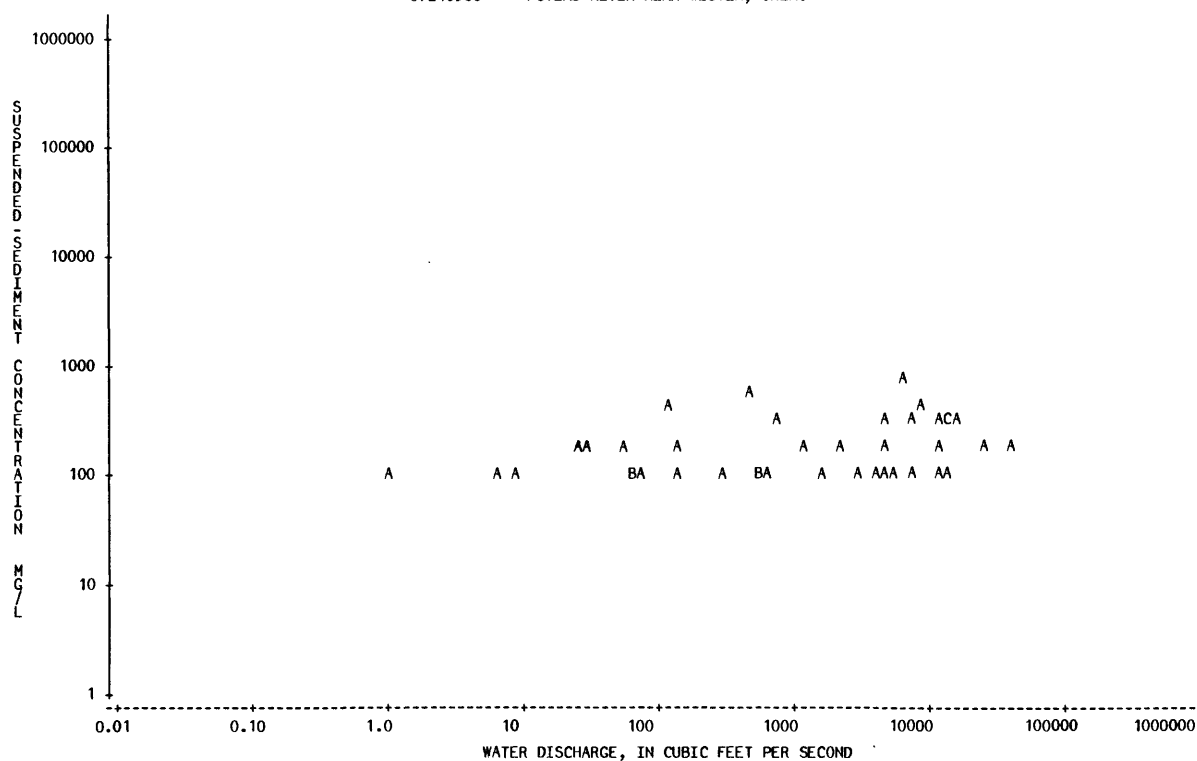
PERIOD OF RECORD.--Water years 1938-40, 1942, 1944-48, 1950.

REMARKS.--Flow completely regulated by Wister Lake since October 1949. Floodwater-retarding structures control 188 mi<sup>2</sup> (487 km<sup>2</sup>) above Wister Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-28			57	200	A 31
39-02-28			4250	100	A 1150
39-06-29			76	100	A 21
39-08-01			6.0	100	A 1.6
39-08-30			9.0	100	A 2.4
40-04-13			4800	200	A 2590
40-04-23			457	500	A 617
40-05-30			706	300	A 572
40-06-13			118	400	A 127
40-06-26			63	100	A 17
42-02-04			1220	200	A 659
44-02-29			15900	300	A 12900
44-05-31			1520	100	A 410
44-09-06			62	100	A 17
45-02-22			39600	200	A 21400
45-03-27			4380	100	A 1180
45-10-02			5470	100	A 1480
45-10-11			568	100	A 153
46-01-10			13900	300	A 11300
46-01-30			525	100	A 142
46-04-24			12500	200	A 6750
46-04-25			14100	300	A 11400
46-04-26			7780	300	A 6300
46-05-17			8280	400	A 8940
46-11-05			4590	300	A 3720
46-11-07			14400	100	A 3890
46-11-08			14100	300	A 11400
46-11-08	0001		12300	100	A 3320
47-04-12			11600	300	A 9400
47-06-12			132	200	A 71
47-07-07			30	200	A 16
47-08-26			1.0	100	A 0.27
47-12-17			3050	100	A 824
48-01-02			24300	200	A 13100
48-04-08			273	100	A 74
48-05-19			673	100	A 182
48-06-02			140	100	A 38
48-06-15			26	200	A 14
49-12-28			2290	200	A 1240
50-02-07			7450	100	A 2010
50-02-27			5880	800	A 12700

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE





## ARKANSAS RIVER BASIN

07248600 CASTON CREEK AT WISTER, OKLA.

LOCATION.--Lat 34°57'27", long 94°44'18", on SW 1/4 SE 1/4 sec.26, T.6 N., R.24 E., LeFlore County, Hydrologic Unit 11110105, at pier on left downstream side of county road bridge 0.15 mi (0.24 km) downstream from Mountain Creek, and 0.8 mi (1.3 km) along county road southwest of intersection with U.S. Highway 270 at Wister, and at mile 2.4 (3.9 km).

DRAINAGE AREA.--72.9 mi<sup>2</sup> (188.8 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-19		1530	5.0	27	0.36	79-04-05	1	123	*	44	15
78-12-27		1545	10.0	24	0.65	79-04-06		1550	103	22	6.1
79-01-03		1300	62	26	4.4	79-04-09		1530	48	34	4.4
79-01-10		1435	25	30	2.0	79-04-10		1600	90	32	7.8
79-02-02		1400	38	28	2.9	79-04-11		1639	1477	258	1030
79-02-03		1530	40	40	4.3	79-04-11		1755	1134	148	453
79-02-04		1730	41	42	4.6	79-04-12		1630	542	91	133
79-02-05		1607	30	29	2.3	79-04-15		1730	130	38	13
79-02-06		1420	35	27	2.6	79-04-16		1800	109	32	9.4
79-02-07		1530	42	31	3.5	79-04-17		1600	3.8	49	0.50
79-02-08	1		38	*	2.5	79-04-18		1730	75	39	7.9
79-02-10		1450	35	6	0.57	79-04-19		1422	90	23	5.6
79-02-10		1520	35	25	2.4	79-04-20		1600	214	38	22
79-02-11	2		17	*	30	1.4	79-04-21		1700	160	42
79-02-14		1600	15	33	1.3	79-04-24		1900	172	32	15
79-02-15		1040	117	36	11	79-04-25		1600	115	26	8.1
79-02-15	1		75	*	70	14	79-04-26	2	64	*	23
79-02-17		1500	57	25	3.8	79-05-01		1420	32	26	2.3
79-02-18		1500	39	26	2.7	79-05-01	1		40	*	28
79-02-19		1500	32	30	2.6	79-05-04		1600	485	47	62
79-02-21		1450	42	45	5.2	79-05-07	2		65	*	31
79-02-23		1500	561	26	39	79-05-09		1135	52	32	4.5
79-02-24	1		795	*	72	155	79-05-11		1800	696	75
79-02-26	2		1134	*	101	309	79-05-12		1800	594	49
79-03-01		1550	873	53	125	79-05-13	2		142	*	37
79-03-02		1600	857	42	97	79-05-14		1005	142		30
79-03-03		1530	852	38	87	79-05-16		1805	2.5	30	0.20
79-03-04		1500	785	40	85	79-05-17		1920	42	13	1.5
79-03-05		1630	78	68	14	79-05-18		1730	32	27	2.3
79-03-06		1600	551	43	64	79-05-19		1140	26	29	2.0
79-03-07		1500	149	37	15	79-05-19		1830	20	23	1.2
79-03-08		1017	119	20	6.4	79-05-23		1700	815	76	167
79-03-08		1530	145	35	14	79-05-24		1900	634	56	96
79-03-09		1700	134	32	12	79-05-25		1700	565	45	69
79-03-10		1600	87	33	7.8	79-05-26		1658	589	48	76
79-03-11		1700	48	28	3.6	79-05-26		1800	639	42	72
79-03-12		1600	46	31	3.9	79-05-28		1500	1815	38	186
79-03-13		1700	44	28	3.3	79-05-28		1700	1551	37	155
79-03-14		1528	41	28	3.1	79-05-31		1700	395	37	39
79-03-14		1630	40	33	3.6	79-06-04		1430	372	39	39
79-03-15		1600	36	34	3.3	79-06-04		2000	372	33	33
79-03-16		1530	33	31	2.8	79-06-05		1900	187	26	13
79-03-17		1255	29	25	2.0	79-06-06		1800	136	2	0.73
79-03-17		1700	31	60	5.0	79-06-08		1800	28	40	3.1
79-03-18		1500	36	44	4.3	79-06-09		1630	172	27	13
79-03-28		1520	87	22	5.2	79-06-14		1320	29	47	3.7
79-03-28		1537	86	42	9.8	79-06-14	5		36	*	22
79-03-29		1600	297	89	71	79-06-22		2000	160	28	12
79-03-30	1		604	*	6	79-06-23		1600	0.00	23	0.00
79-04-01		1700	805	68	148	79-06-25		2000	0.00	25	0.00
79-04-02		1700	324	42	37	79-06-28	1		0.73*	19	0.04
79-04-03		1520	223	28	17	79-06-29		1455	2.6	41	0.29
79-04-03	1		192	*	28	79-06-30		1530	2.2	20	0.12

\*\*\*\*\*

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\* = MEAN DAILY DISCHARGE

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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

511

07248600 CASTON CREEK AT WISTER OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-07-01		1900	1.7	19	0.09	80-06-26		1155	10.0	63	1.7
79-07-02		1600	2.0	27	0.15	80-07-07		1000	0.62	12	0.02
79-07-03		1235	1.6	46	0.20	80-07-15		1120	0.11	8	0.00
79-07-05		1930	10.0	37	1.0	80-08-19		1045	4.2	9	0.10
79-07-06		1900	32	45	3.9	80-08-26		1020	0.41	3	0.00
79-07-08		2200	4.6	36	0.45						
79-07-14		1700	2.7	24	0.17						
79-07-15		2000	2.0	28	0.15						
79-07-16		1800	2.5	29	0.20						
79-07-17		1115	2.1	34	0.19						
79-07-17		1900	2.5	35	0.24						
79-07-18		1800	2.4	32	0.21						
79-07-21		1900	2.0	30	0.16						
79-07-22		1900	2.6	31	0.22						
79-07-23		1618	1.7	35	0.16						
79-07-23		2000	1.4	32	0.12						
79-07-24		2100	1.2	22	0.07						
79-07-25		2000	0.57	34	0.05						
79-07-26		1800	0.88	34	0.08						
79-07-27		1800	198	63	34						
79-07-30		0700	11	31	0.92						
79-07-31		1600	8.3	34	0.76						
79-08-01		1900	10.0	32	0.86						
79-08-02		1408	9.6	30	0.78						
79-08-05		2100	1.9	28	0.14						
79-08-07		1440	4.0	28	0.30						
79-08-08	1		2.2 *	23	0.14						
79-08-10	3		1.1 *	27	0.08						
79-08-14		1930	2.7	31	0.23						
79-08-15		1620	2.4	36	0.23						
79-08-15	1		1.4 *	16	0.06						
79-08-17	1		0.88*	15	0.04						
79-08-19		1900	2.7	28	0.20						
79-08-20		1225	1.2	29	0.09						
79-08-20		2000	2.0	28	0.15						
79-08-21	4		1.9 *	12	0.06						
79-08-26		1900	5.9	70	1.1						
79-08-28		1330	8.3	48	1.1						
79-08-28		1700	8.3	3	0.07						
79-08-29		1900	2.4	3	0.02						
79-08-30		1800	3.8	2	0.02						
79-08-31		1700	163	100	44						
79-09-05		1350	4.4	24	0.28						
79-09-06			1.1	18	0.05						
79-09-08		1800	0.00	23	0.00						
79-09-09		1900	0.00	22	0.00						
79-09-10		1900	0.00	22	0.00						
79-09-11	4		0.00*	12	0.00						
79-09-12		1155	1.6	24	0.10						
79-09-12		1900	0.00	24	0.00						
79-09-16		1800	0.18	20	0.01						
79-09-17		1700	0.29	15	0.01						
79-09-18		1355	1.6	19	0.08						
79-09-18	1		0.73*	14	0.03						
79-09-20		1830	1.1	16	0.05						
79-09-21	1		1.5 *	13	0.05						
79-09-23	1		1.1 *	13	0.04						
79-09-25		1300	2.3	25	0.16						
79-10-02		1015	1.1	22	0.07						
79-10-11		1340	1.1	19	0.06						
79-10-23		0955	9.3	17	0.43						
79-11-09		1010	12	10	0.32						
79-11-13		1415	4.2	4	0.05						
79-11-19		1210	3.6	6	0.06						
79-11-29		1010	5.0	4	0.05						
79-12-05		0940	3.2	20	0.17						
79-12-12		1240	4.2	23	0.26						
79-12-18		1225	17	16	0.73						
79-12-28		0840	39	28	2.9						
80-01-04		0940	16	19	0.82						
80-01-21		0840	13	28	0.98						
80-01-28		1040	13	24	0.84						
80-02-11		1200	95	76	19						
80-02-15		1315	60	17	2.8						
80-02-22		1300	21	13	0.74						
80-02-29		1320	11	13	0.39						
80-03-07		1315	7.2	12	0.23						
80-03-17		1221	31	36	3.0						
80-03-31		1225	160	30	13						
80-04-10		1455	22	23	1.4						
80-04-18		1220	26	11	0.77						
80-04-25		1045	26	11	0.77						
80-05-01		1530	294	115	91						
80-05-08		1300	44	22	2.6						
80-05-15		1240	28	21	1.6						
80-05-21		1000	44	24	2.9						
80-05-29		0855	20	18	0.97						
80-06-12		1150	1.7	12	0.06						
80-06-19		1410	664	214	384						

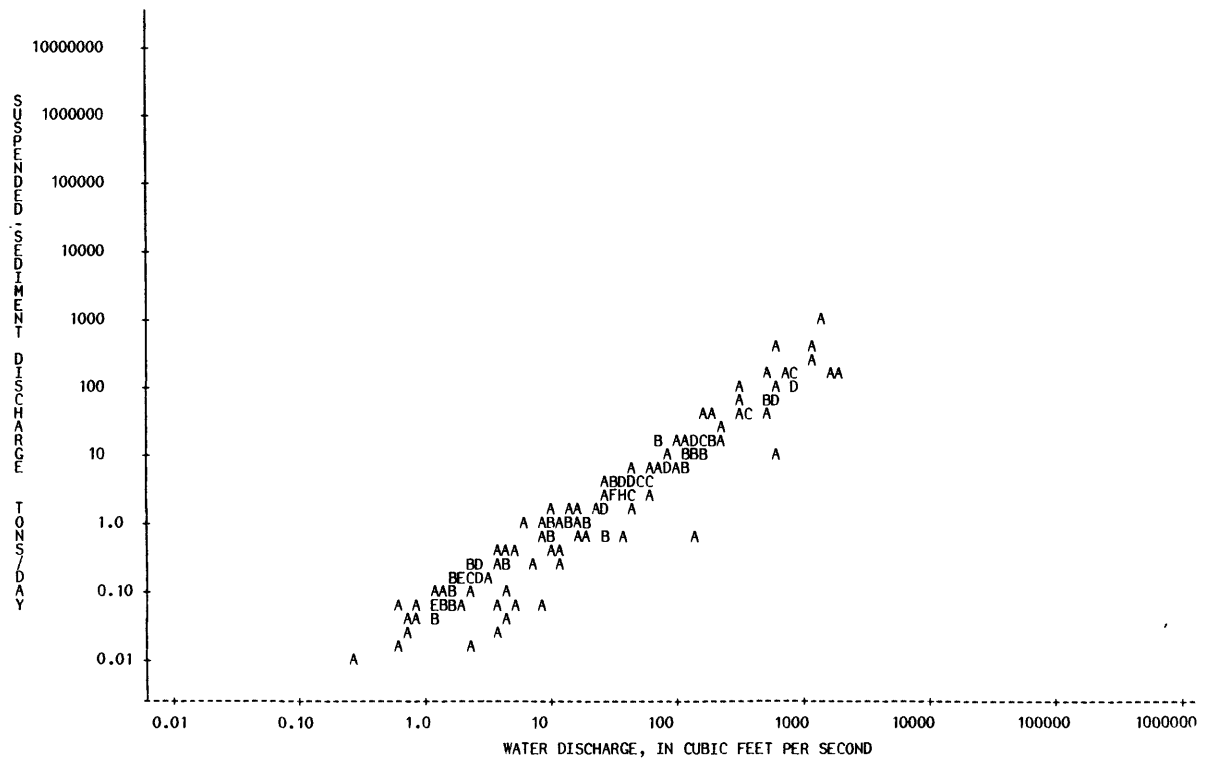
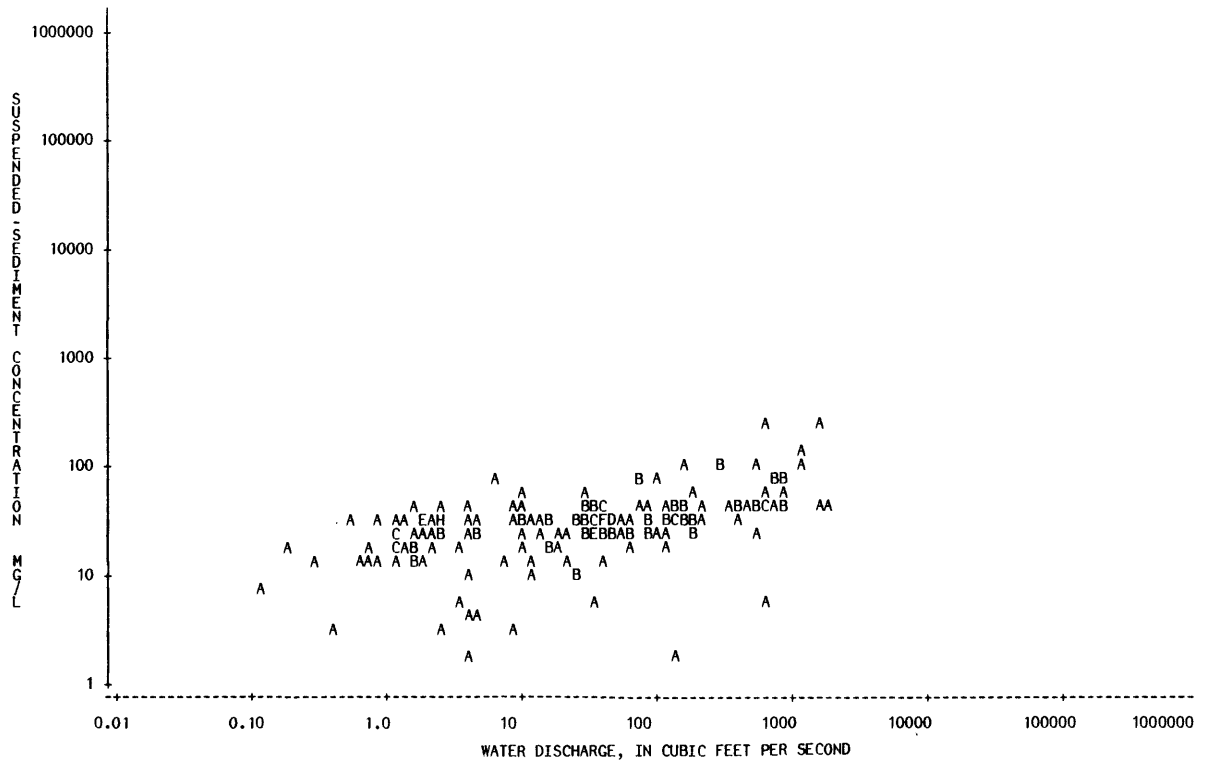
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

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07248600 CASTON CREEK AT WISTER, OKLA.



## ARKANSAS RIVER BASIN

07248620 MORRIS CREEK AT HOWE, OKLA.

LOCATION.--Lat 34°57'34", long 94°37'45", NE 1/4 SE 1/4 sec.26, T.6 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, at left downstream end of bridge on old U.S. Highway 59, 0.8 mi (1.3 km) northeast of downtown Howe, and at mile 4.2 (6.8 km).

DRAINAGE AREA.--19.4 mi<sup>2</sup> (50.2 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

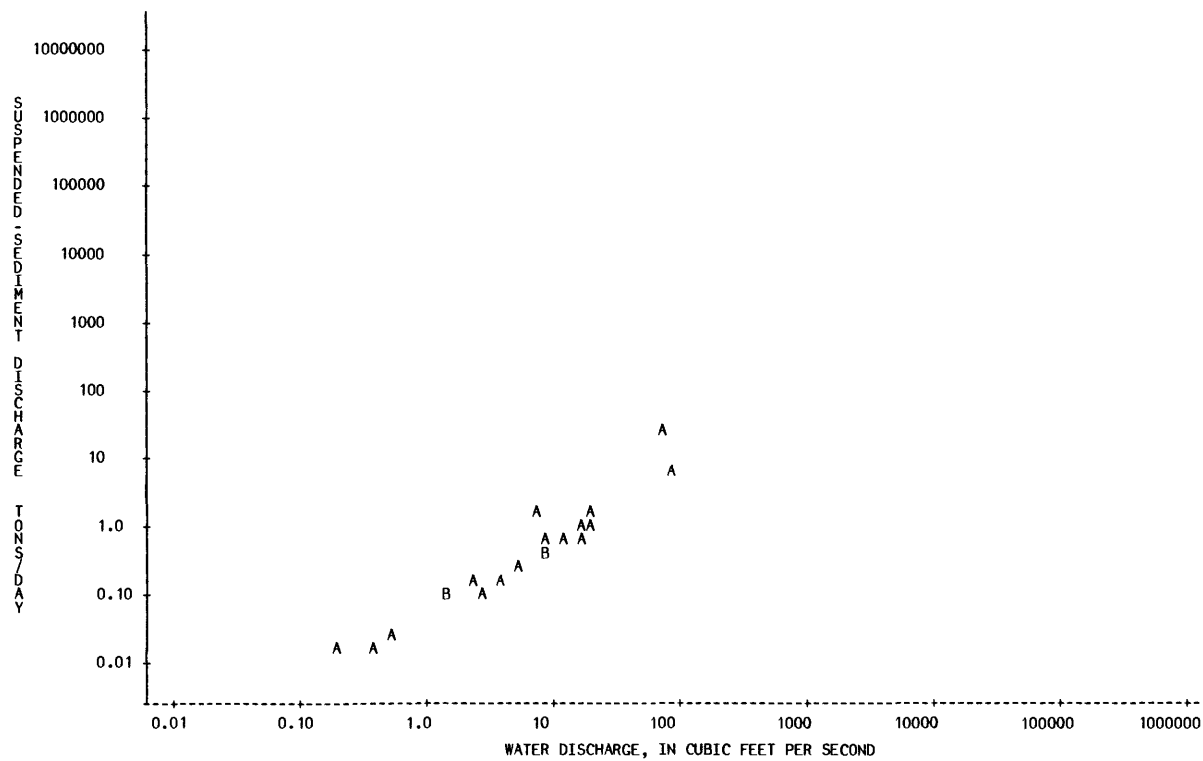
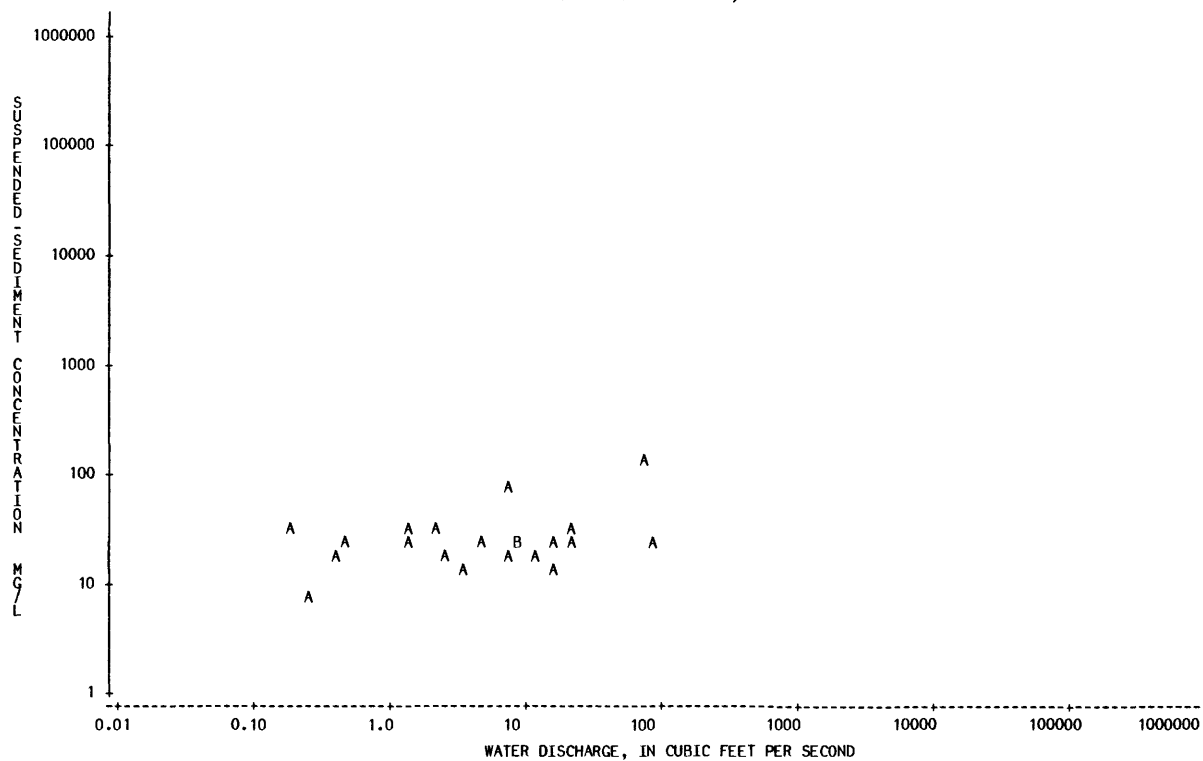
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-02-15		1350	20	32	1.8						
79-03-17		1055	7.9	16	0.34						
79-05-01		1115	16	21	0.92						
79-05-09		1455	21	22	1.2						
79-06-08		1325	91	23	5.7						
79-06-14		1020	12	20	0.67						
79-06-29		1240	1.4	34	0.13						
79-08-20		1415	0.19	30	0.02						
79-08-28		1640	7.6	72	1.5						
79-09-05		1130	2.3	29	0.18						
79-09-18		1040	0.41	17	0.02						
79-10-01		1510	0.50	24	0.03						
79-11-29		1222	1.4	24	0.09						
79-12-28		1005	8.5	23	0.53						
80-01-21		1030	4.9	23	0.31						
80-02-15		1100	16	14	0.60						
80-03-07		1120	2.6	18	0.13						
80-04-10		1200	8.2	22	0.49						
80-05-01		1230	74	153	31						
80-06-05		0955	3.5	15	0.14						
80-06-26		1015	0.27	8	0.01						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07248620 MORRIS CREEK AT HOWE, OKLA.



## ARKANSAS RIVER BASIN

07248700 SUGARLOAF CREEK NEAR MONROE, OKLA.

LOCATION.--Lat 35°00'00", long 94°31'21", on east line of SE 1/4 sec.11, T.6 N., R.26 E., LeFlore County, Hydrologic Unit 11110105, on left downstream end of bridge on State Highway 112, and 1 mi (1.6 km) northwest of Monroe.

DRAINAGE AREA.--53.6 mi<sup>2</sup> (138.8 km<sup>2</sup>).

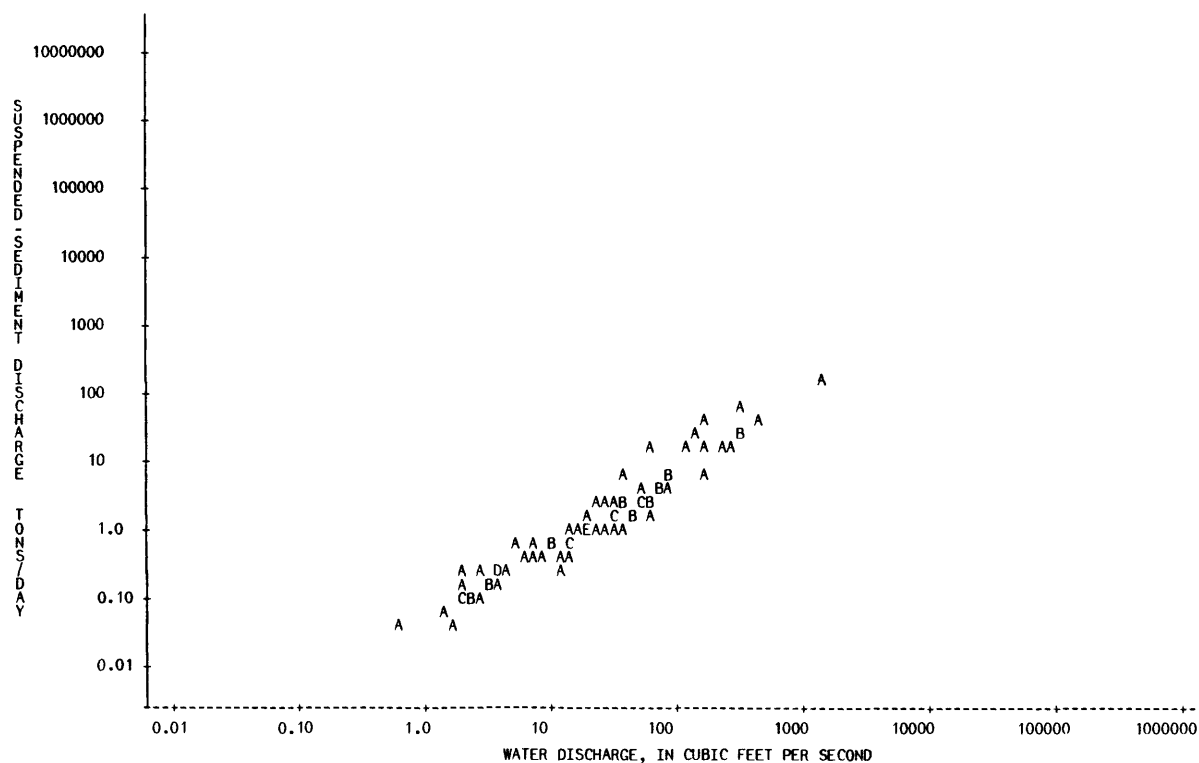
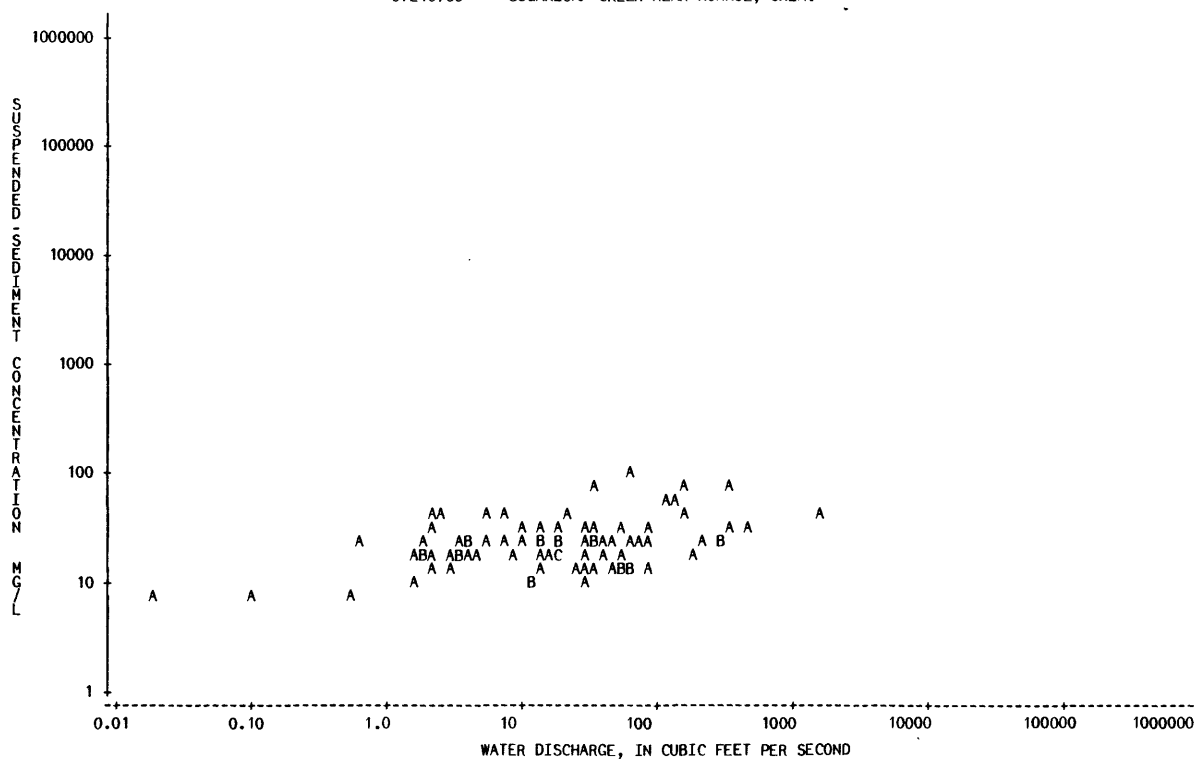
PERIOD OF RECORD.--Water years 1979-80.

REMARKS---Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-12		0830	10.0	23	0.62	79-11-29		1400	3.8	22	0.23
78-12-27		0900	2.3	17	0.11	79-12-05		1345	3.8	20	0.21
79-01-03		0905	29	11	0.86	79-12-12		0945	3.3	17	0.15
79-01-10		1009	11	11	0.33	79-12-18		0855	9.6	28	0.73
79-01-19		1005	170	78	36	79-12-28		1220	35	24	2.3
79-02-02		0950	18	31	1.5	80-01-04		1230	33	21	1.9
79-02-10		0958	13	22	0.77	80-01-15		0930	13	21	0.74
79-02-15		1510	84	35	7.9	80-01-21		1215	19	24	1.2
79-02-21		1005	31	23	1.9	80-01-28		0840	17	20	0.92
79-03-01		0900	469	31	39	80-02-11		0950	57	12	1.8
79-03-08		1523	61	14	2.3	80-02-15		0900	81	15	3.3
79-03-14		0950	30	19	1.5	80-02-22		0900	24	15	0.97
79-03-17		0855	20	19	1.0	80-02-29		0930	14	13	0.49
79-03-28		0945	72	26	5.1	80-03-07		0920	11	10	0.30
79-04-03		1010	222	27	16	80-03-17		0840	53	33	4.7
79-04-06		1155	299	26	21	80-03-24		0850	116	51	16
79-04-11		0934	325	70	61	80-03-31		0855	61	13	2.1
79-04-19		1105	44	12	1.4	80-04-10		0935	19	17	0.87
79-05-01		0900	37	13	1.3	80-04-18		0920	56	20	3.0
79-05-03		0300	50	22	3.0	80-04-25		0845	20	20	1.1
79-05-03		1345	159	42	18	80-05-01		0908	132	61	22
79-05-09		1615	40	24	2.6	80-05-08		0920	31	15	1.3
79-05-11		1700	330	30	27	80-05-15		0855	14	17	0.64
79-05-14		1502	80	27	5.9	80-05-21		1325	52	15	2.1
79-05-19		0905	18	22	1.1	80-05-29		1125	64	112	19
79-05-21		1405	1493	39	157	80-06-05		0835	8.0	20	0.43
79-05-26		1200	67	24	4.3	80-06-12		0855	2.9	14	0.11
79-06-04		0948	177	17	8.1	80-06-19		1000	1.6	11	0.05
79-06-08		1200	277	22	16	80-06-26		0820	0.52	7	0.01
79-06-13		0400	42	16	1.8	80-07-07		1210	0.10	8	0.00
79-06-14		0830	29	30	2.3	80-07-15		0900	0.02	7	0.00
79-06-21		0930	7.0	21	0.40						
79-06-29		0940	5.2	43	0.60						
79-07-03		0815	2.1	36	0.20						
79-07-17		1410	33	32	2.9						
79-07-23		1325	2.7	41	0.30						
79-07-30		0930	23	42	2.6						
79-08-02		1000	14	29	1.1						
79-08-07		1620	5.8	22	0.34						
79-08-15		1823	3.1	20	0.17						
79-08-20		1730	1.9	19	0.10						
79-08-28		1540	35	86	8.1						
79-09-05		0935	7.7	37	0.77						
79-09-12		0835	3.6	24	0.23						
79-09-18		0800	2.0	41	0.22						
79-09-25		0850	1.8	22	0.11						
79-10-01		1640	0.61	23	0.04						
79-10-11		1620	2.3	15	0.09						
79-10-19		0915	4.7	18	0.23						
79-10-23		1405	3.6	19	0.18						
79-11-09		1415	3.8	26	0.27						
79-11-13		1640	2.0	19	0.10						
79-11-19		0855	1.5	18	0.07						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07248700 SUGARLOAF CREEK NEAR MONROE, OKLA.





## ARKANSAS RIVER BASIN

07249060 BRAZIL CREEK NEAR RED OAK, OKLA.

LOCATION.--Lat 34°59'03", long 95°07'06", on north line SW 1/4 sec. 17, T.6 N., R.21 E., Latimer County, Hydrologic Unit 11110105, on county road bridge, 3.3 mi (5.3 km) northwest of Red Oak, and at mile 49.2 (79.2 km).

DRAINAGE AREA.--2.74 mi<sup>2</sup> (7.10 km<sup>2</sup>).

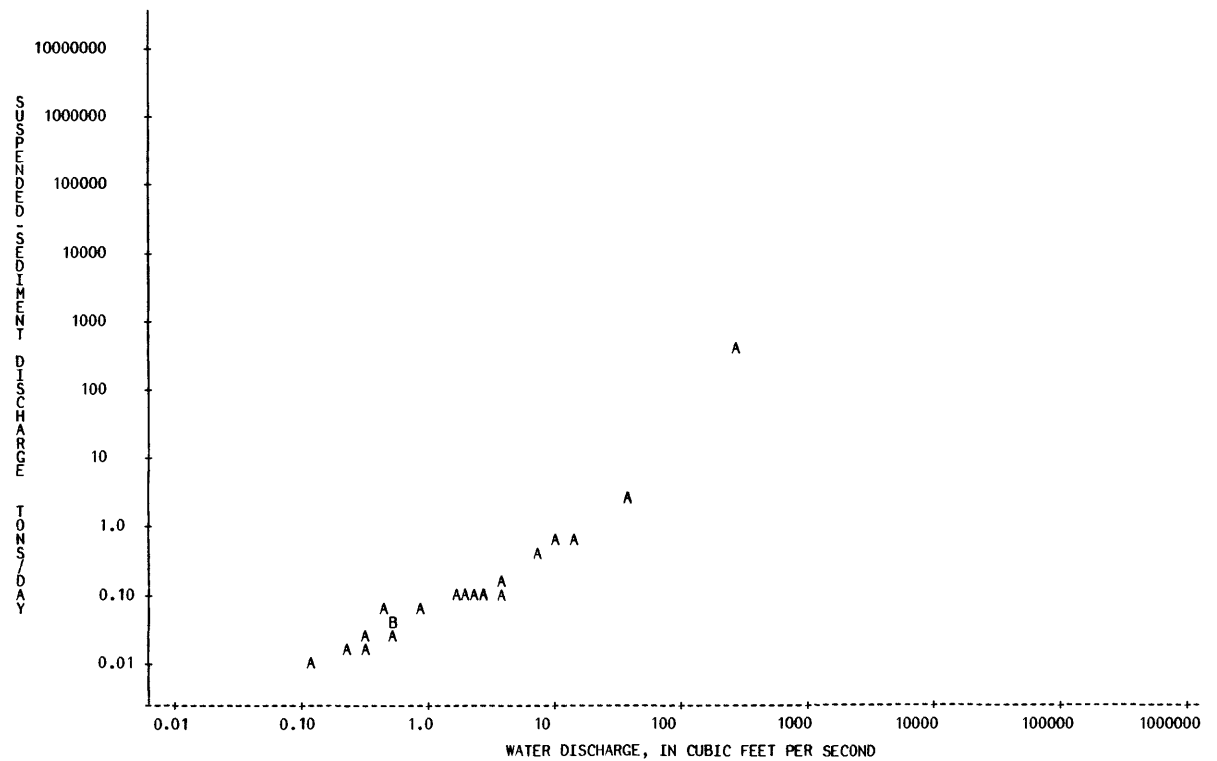
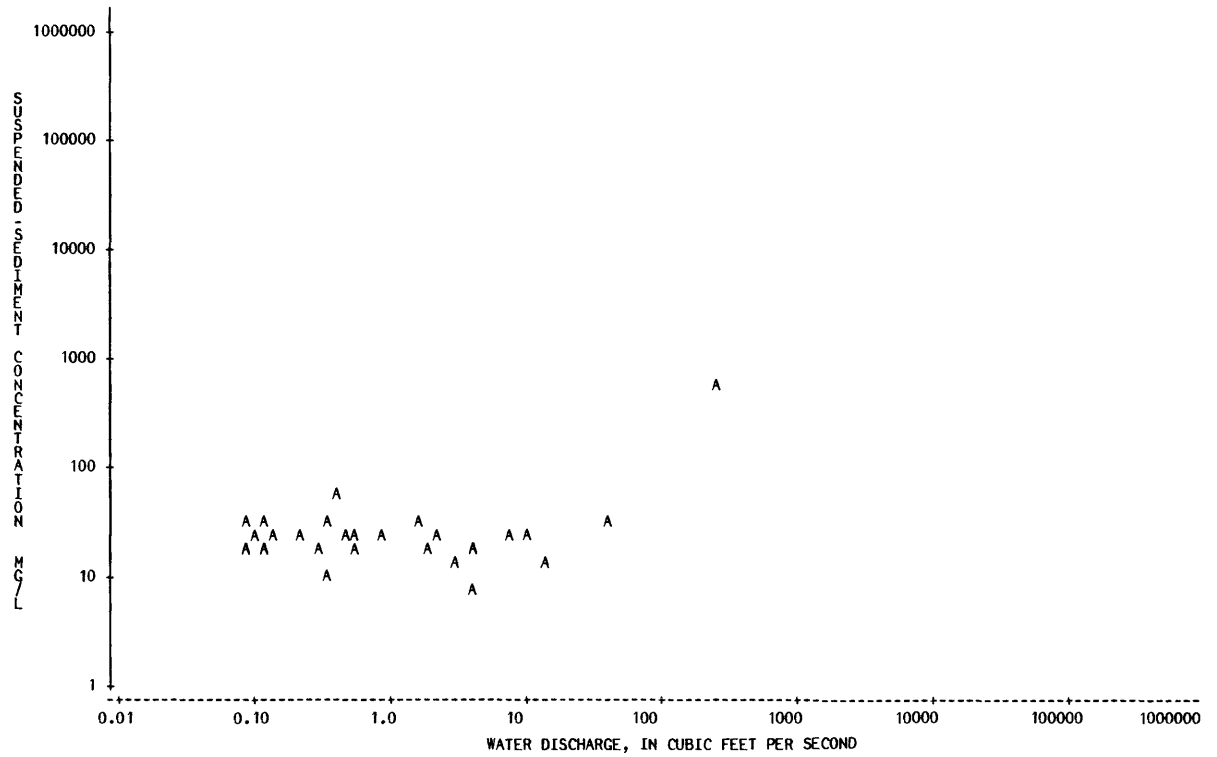
PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-21		0930	0.23	25	0.02						
78-12-12		1415	0.30	16	0.01						
78-12-19		0830	0.36	10	0.01						
79-01-31		0930	0.56	18	0.03						
79-02-08		0930	0.50	27	0.04						
79-02-28		0930	37	28	2.8						
79-03-08		0825	2.9	13	0.10						
79-03-21		0930	13	15	0.53						
79-04-05		0925	3.9	8	0.08						
79-04-19		1030	1.6	29	0.13						
79-05-02		0845	0.90	25	0.06						
79-05-21		1630	270	612	446						
79-06-05		1230	10.0	21	0.57						
79-06-21		0800	0.34	34	0.03						
79-07-11		0925	0.43	55	0.06						
79-08-09		1320	0.14	21	0.01						
79-09-13		1220	0.10	21	0.01						
79-11-08		0930	0.08	31	0.01						
79-11-29		1500	7.3	21	0.41						
79-12-06		1340	0.08	20	0.00						
79-12-20		1230	0.54	25	0.04						
80-01-10		1230	0.12	18	0.01						
80-01-24		1515	0.12	32	0.01						
80-02-14		1330	1.8	18	0.09						
80-03-25		1450	2.2	21	0.12						
80-04-17		1300	0.01	10	0.00						
80-05-23		0950	3.8	19	0.19						
80-06-18		1215	0.01	21	0.00						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249060 BRAZIL CREEK NEAR RED OAK, OKLA.



## ARKANSAS RIVER BASIN

07249070 ROCK CREEK NEAR RED OAK, OKLA.

LOCATION.--Lat 34°59'30", long 95°04'56", NE 1/4 SW 1/4 sec.15, T.6 N., R.21 E., Latimer County, Hydrologic Unit 11110105, on county road bridge, 2.8 mi (4.5 km) north of Red Rock, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--12.0 mi<sup>2</sup> (31.08 km<sup>2</sup>).

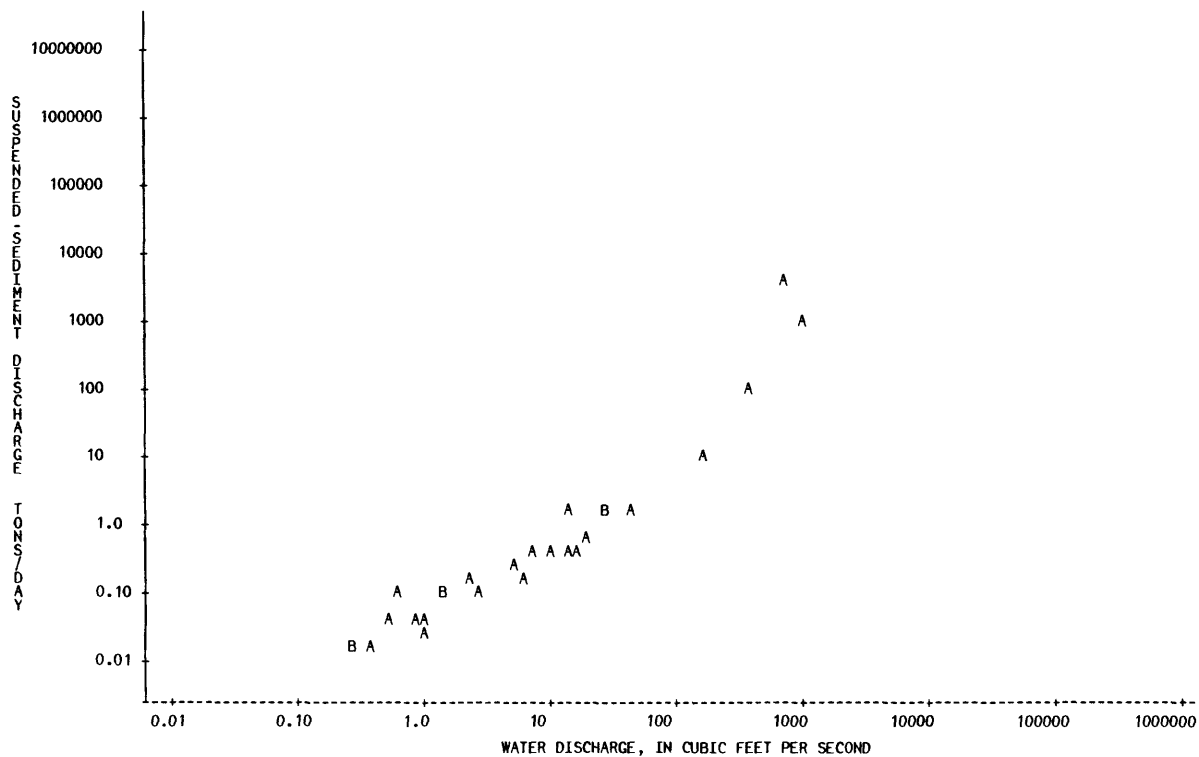
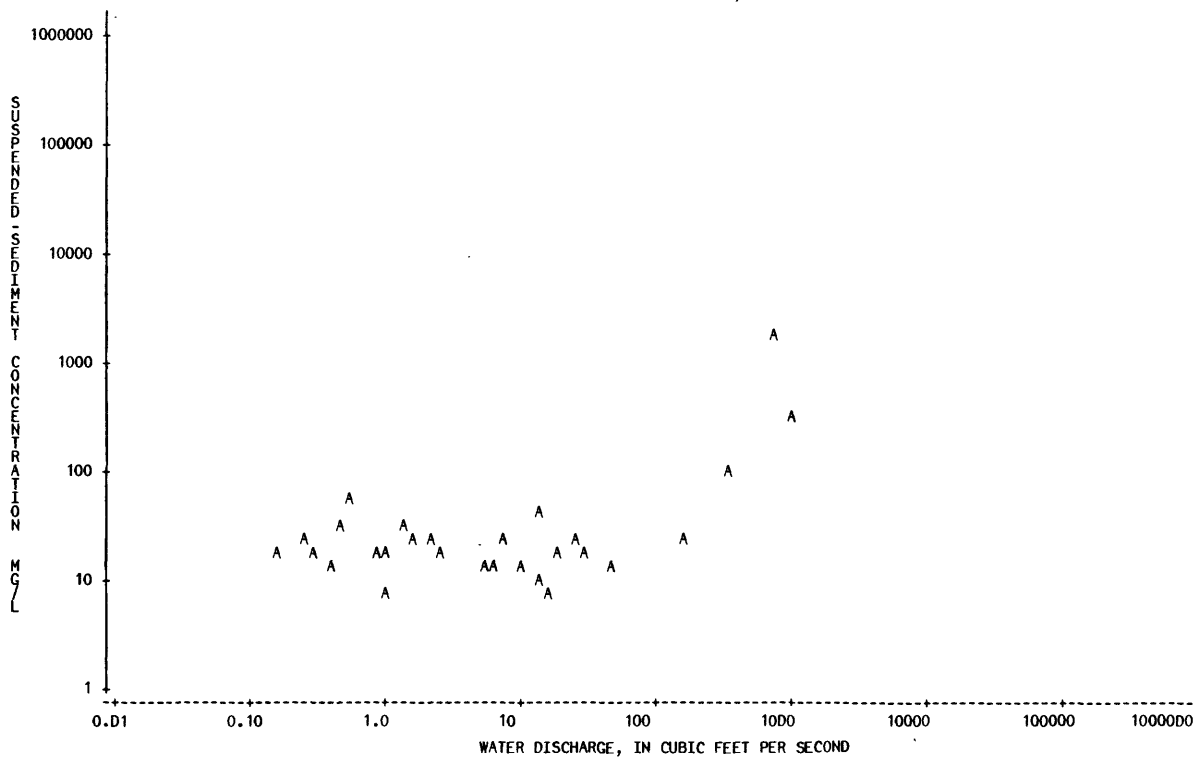
PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-21		1130	1.4	34	0.13
78-12-12		1200	1.5	24	0.10
78-12-19		0950	0.98	8	0.02
79-01-31		1300	5.1	15	0.21
79-02-07		1515	2.6	16	0.11
79-02-28		1330	155	25	10
79-03-08		1045	14	9	0.34
79-03-21		1700	45	12	1.5
79-04-05		1145	16	8	0.35
79-04-19		0930	9.4	14	0.36
79-05-02		1030	18	16	0.78
79-05-21		1800	1040	320	899
79-05-22		1235	354	100	96
79-06-05		1330	26	23	1.6
79-06-20		1520	0.94	17	0.04
79-07-11		1115	0.38	13	0.01
79-08-09		1110	0.25	26	0.02
79-08-29		1100	0.01	68	0.00
79-09-13		0930	0.16	18	0.01
79-11-07		1600	0.57	58	0.09
79-12-06		0945	0.49	33	0.04
80-01-10		0930	7.2	23	0.45
80-01-24		1400	2.2	27	0.16
80-02-14		0930	6.3	12	0.20
80-03-25		1710	13	38	1.3
80-04-17		1100	0.81	17	0.04
80-05-22		1600	28	19	1.4
80-06-18		0940	0.28	19	0.01
80-06-19		0845	773	1590	3320

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249070 ROCK CREEK NEAR RED OAK, OKLA.



## ARKANSAS RIVER BASIN

07249080 BRAZIL CREEK NEAR WALLS, OKLA.

LOCATION.--Lat 35°01'21", long 94°56'39", in SW 1/4 NW 1/4 sec.1, T.6 N., R.22 E., Latimer County, Hydrologic Unit 11110105, at county road bridge, 2.2 mi (3.5 km) southwest of Walls, and at mile 32.2 (51.8 km).

DRAINAGE AREA.--69.1 mi<sup>2</sup> (179 km<sup>2</sup>).

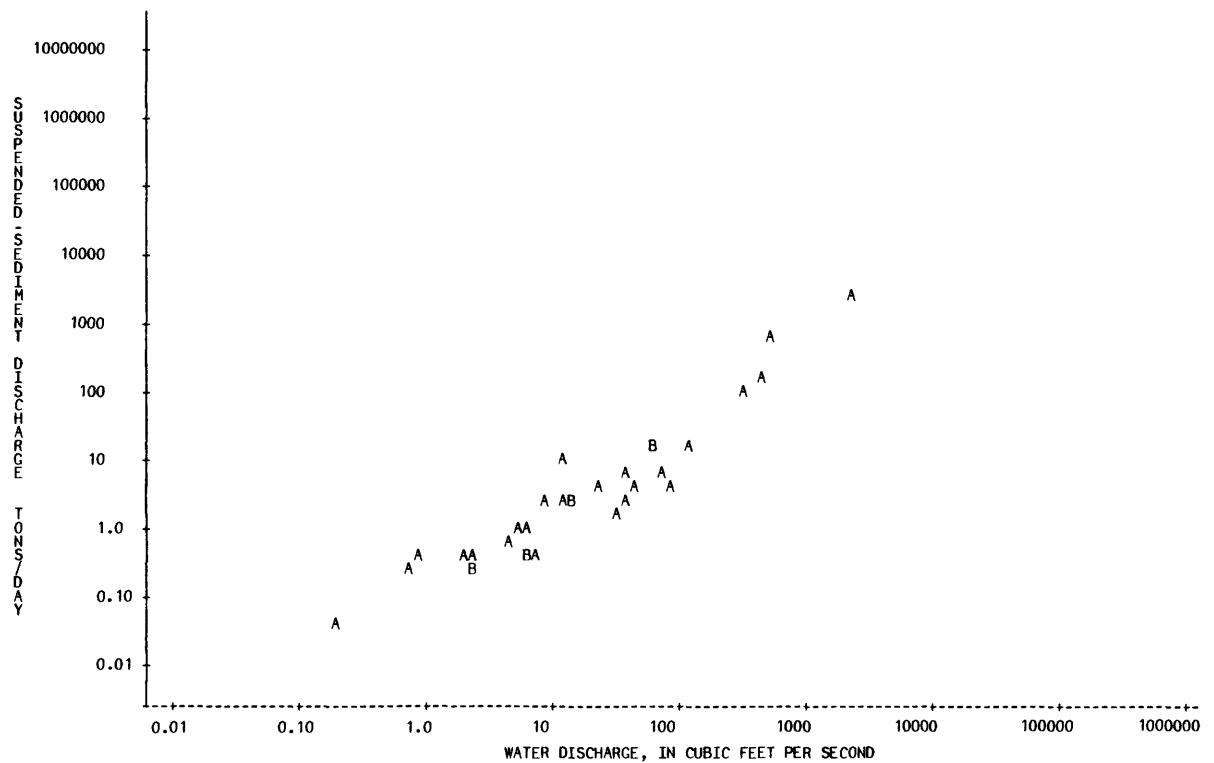
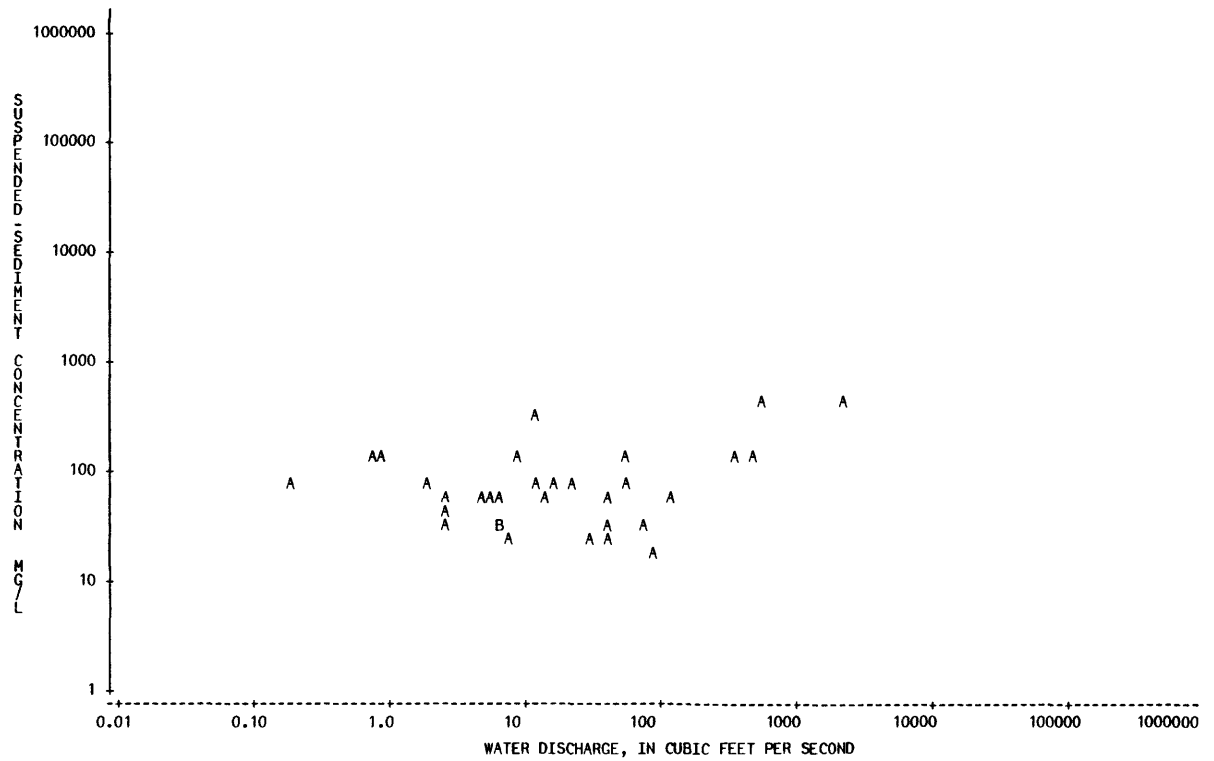
PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-29	1600		23	75	4.7
78-12-19	1215		5.3	58	0.83
79-01-31	1615		43	34	4.0
79-02-07	1245		39	26	2.7
79-02-22	1630		530	413	591
79-03-07	1530		81	17	3.7
79-03-21	1400		331	120	107
79-04-05	1545		76	34	7.0
79-04-18	1315		57	86	13
79-05-02	1350		39	56	5.9
79-05-23	1146		450	139	169
79-06-05	1000		117	54	17
79-06-20	1255		12	68	2.2
79-07-10	1605		11	316	9.4
79-08-08	1545		6.0	63	1.0
79-08-23	1415		57	118	18
79-09-12	1510		0.72	129	0.25
79-09-27	0945		15	77	3.1
79-10-03	1600		1.8	72	0.35
79-10-25	1015		0.81	154	0.34
79-11-07	1300		0.20	86	0.05
79-11-29	1015		2.4	44	0.29
79-12-05	1200		2.4	36	0.23
79-12-20	0940		2.4	62	0.40
80-01-09	1545		7.1	26	0.50
80-01-24	0915		4.6	50	0.62
80-02-13	1600		31	23	1.9
80-03-19	1730		8.0	125	2.7
80-04-15	1710		6.6	28	0.50
80-05-30	1220		13	60	2.1
80-06-19	1945		2300	402	2500
80-07-24	0945		0.01	71	0.00
80-08-13	1100		6.0	30	0.49

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249080 BRAZIL CREEK NEAR WALLS, OKLA.



## ARKANSAS RIVER BASIN

07249100 OWL CREEK NEAR McCURTAIN, OKLA.

LOCATION.--Lat 34°07'40", long 94°53'03", on east line NW 1/4 sec.33, T.8 N., R.23 E., LeFlore County, Hydrologic Unit 11110105, on downstream side of bridge at left pier on county road bridge 3.4 mi (5.5 km) south from intersection with State Highway 31 at Milton Cemetery, 5.2 mi (8.4 km) southeast of McCurtain, and at mile 3.8 (6.1 km).

DRAINAGE AREA.--27.9 mi<sup>2</sup> (72.3 km<sup>2</sup>).

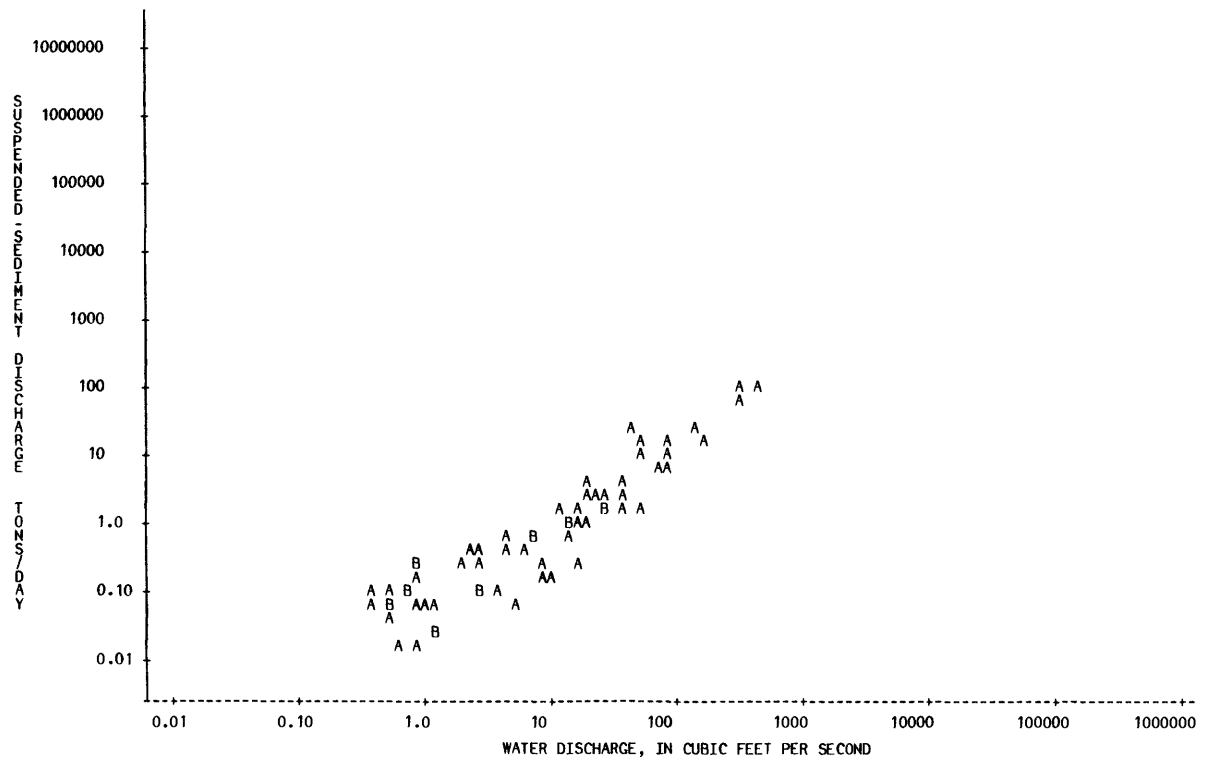
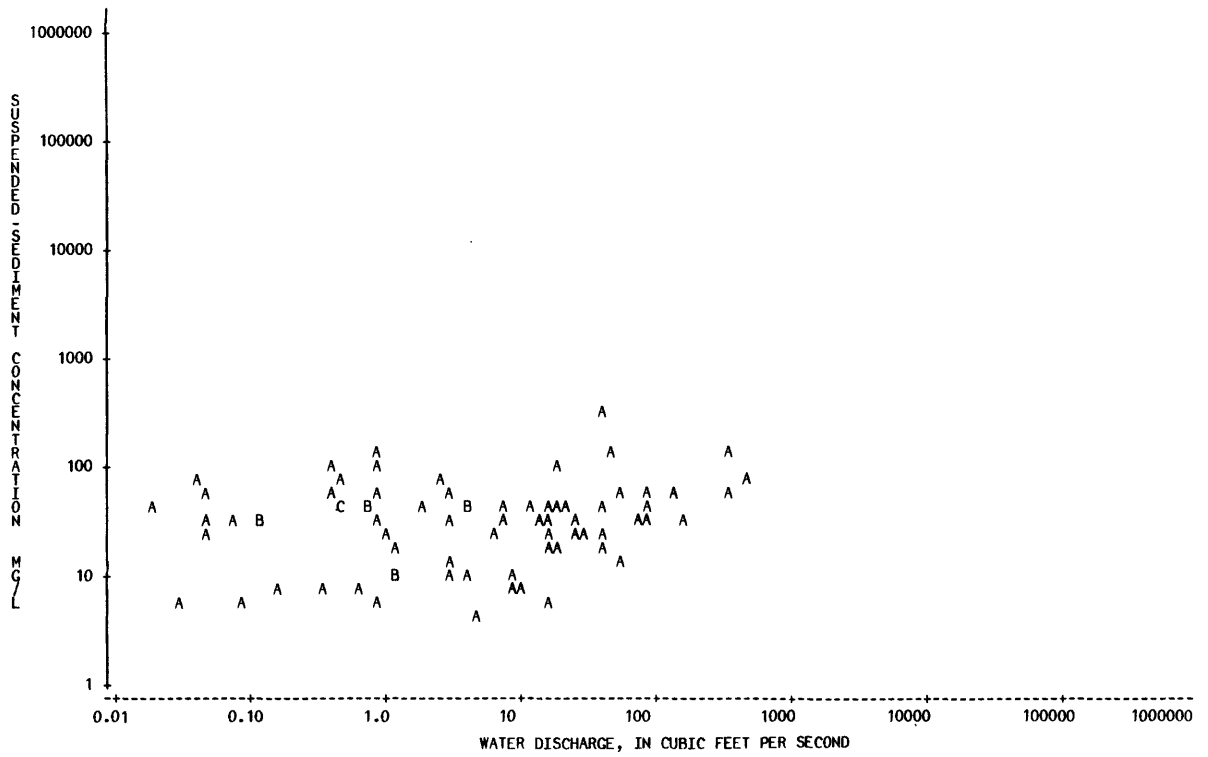
PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-12-04		1500	2.3	67	0.43	80-02-14		1010	17	6	0.28
78-12-11		1530	7.8	29	0.61	80-02-21		1425	8.0	7	0.15
78-12-18		1300	1.2	20	0.06	80-02-28		0850	5.0	4	0.05
78-12-26		1315	1.0	23	0.06	80-03-06		1125	0.88	6	0.01
79-01-02		1340	19	44	2.3	80-03-14		0920	0.64	8	0.01
79-01-17		1625	16	37	1.6	80-03-21		1041	10.0	7	0.19
79-01-22		0902	38	38	3.9	80-03-28		0940	15	19	0.77
79-02-01		0940	12	43	1.4	80-03-30		2230	56	55	8.3
79-02-08		1001	2.9	28	0.22	80-04-07		0858	5.9	23	0.37
79-02-20		1003	14	32	1.3	80-04-14		0835	1.1	9	0.03
79-03-05		0958	51	14	1.9	80-04-21		0917	1.1	9	0.03
79-03-09		0957	19	18	0.92	80-04-28		1025	2.9	56	0.44
79-03-23		1520	80	36	7.8	80-05-02		0920	448	69	83
79-03-30		1210	85	60	14	80-05-12		1250	3.7	10	0.10
79-04-04		1420	37	17	1.7	80-05-19		1210	38	26	2.7
79-04-09		1130	18	90	4.4	80-05-23		0900	72	31	6.0
79-04-16		0945	25	25	1.7	80-06-02		0930	2.9	11	0.09
79-04-20		0930	17	26	1.2	80-06-10		0945	0.32	7	0.01
79-04-25		1220	29	26	2.0	80-06-17		1023	0.03	6	0.00
79-05-02		1105	15	29	1.2	80-06-20		1518	138	61	23
79-05-03		0925	87	49	11	80-06-24		0925	27	30	2.2
79-05-11		1247	326	132	116	80-07-01		1155	2.9	15	0.12
79-05-17		0918	4.3	42	0.49	80-07-14		1245	0.09	6	0.00
79-05-22		1645	326	64	56	80-07-21		1217	0.01	6	0.00
79-05-29		1135	163	30	13	80-07-28		1230	9.0	9	0.22
79-06-09		0910	49	138	18						
79-06-15		1040	7.2	41	0.80						
79-06-20		0900	0.88	32	0.08						
79-06-26		1410	0.48	44	0.06						
79-06-30		1225	0.05	62	0.01						
79-07-02		1030	0.15	8	0.00						
79-07-10		1130	42	277	31						
79-07-16		1150	0.01	47	0.00						
79-07-26		0932	0.02	45	0.00						
79-08-01		1000	4.3	47	0.55						
79-08-07		1230	0.75	44	0.09						
79-08-15		1415	0.04	36	0.00						
79-08-28		1130	0.04	77	0.01						
79-09-04		1247	0.07	35	0.01						
79-11-05		1035	0.11	31	0.01						
79-11-13		1145	0.11	31	0.01						
79-11-19		1440	0.05	23	0.00						
79-11-26		1010	1.8	46	0.22						
79-12-03		1047	0.48	37	0.05						
79-12-10		1005	0.48	41	0.05						
79-12-11		1150	0.37	53	0.05						
79-12-17		1040	0.75	43	0.09						
79-12-24		1020	23	37	2.3						
80-01-07		0915	0.48	82	0.11						
80-01-14		0840	0.37	108	0.11						
80-01-24		0910	0.88	106	0.25						
80-01-25		0905	0.88	120	0.29						
80-02-07		0840	0.88	55	0.13						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249100 OWL CREEK NEAR MCCURTAIN, OKLA.





## ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT, ARK.

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 (2.7 km) south of Hackett, 2.0 mi (3.2 km) downstream from Elder Branch, 2.0 mi (3.2 km) upstream from small tributary, and 3.6 mi (5.8 km) upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi<sup>2</sup> (381 km<sup>2</sup>).

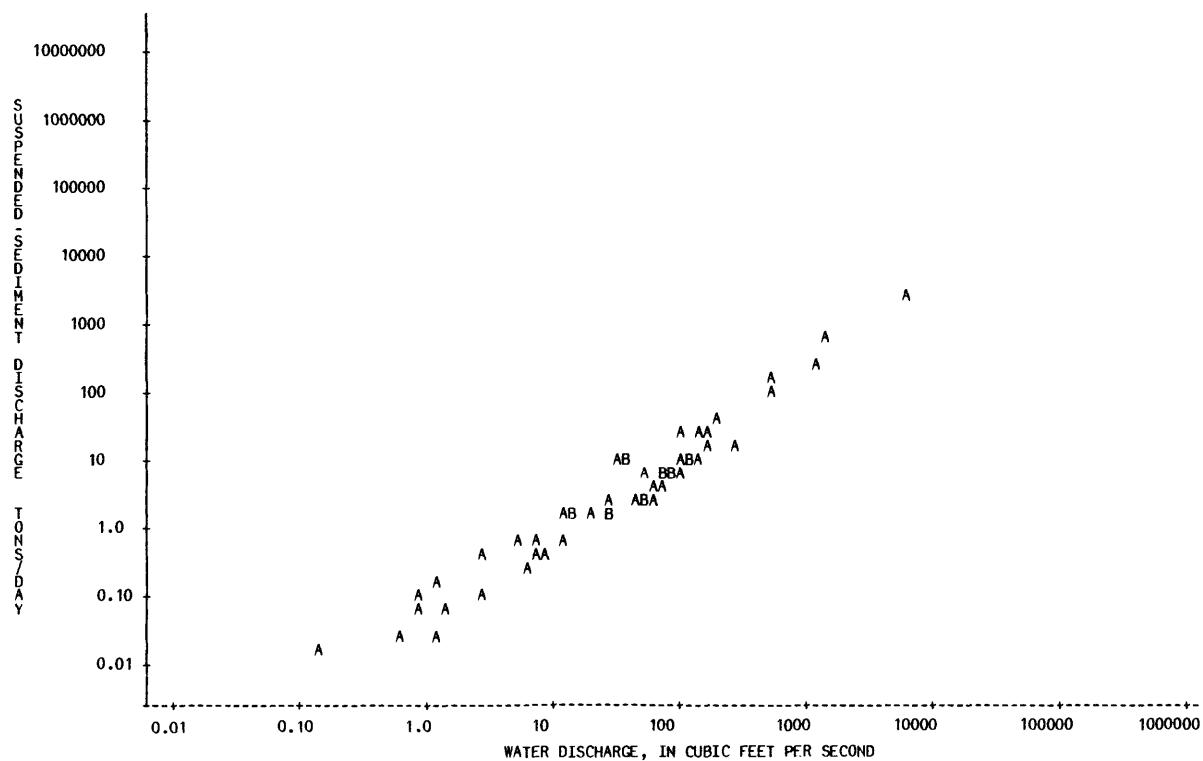
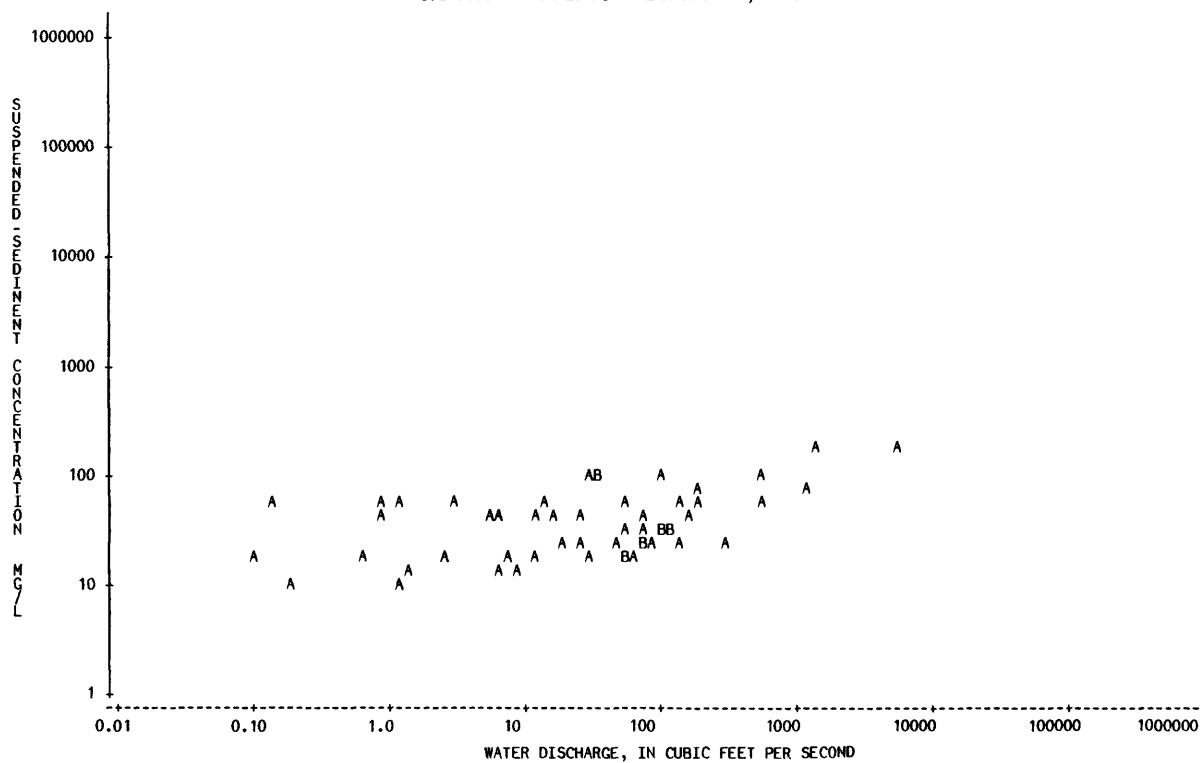
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-01-19		0700	97	29	7.6	80-08-12		1330	0.14	52	0.02
77-02-10		0800	60	18	2.9	80-09-16		1200	1.3	15	0.05
77-03-15		1800	196	67	35						
77-04-20		0740	71	23	4.4						
77-05-18		0755	20	24	1.3						
77-06-15		0830	2.8	50	0.38						
77-07-20		0730	1.2	10	0.03						
77-08-16		1345	2.5	17	0.11						
77-10-04		1045	0.80	37	0.08						
77-10-31		1710	26	24	1.7						
77-12-06		0920	52	17	2.4						
78-01-27		1250	79	26	5.5						
78-02-06		1330	56	18	2.7						
78-03-06		1400	100	91	25						
78-04-04		1030	96	34	8.8						
78-05-02		0900	29	17	1.3						
78-06-19		1515	6.6	15	0.27						
78-07-19		0900	9.1	15	0.37						
78-08-08		1030	0.59	18	0.03						
78-09-03		1215	0.01	14	0.00						
78-10-18		1200	0.10	17	0.00						
78-11-08		1100	13	52	1.8						
78-12-20		0900	15	41	1.7						
79-01-22		1630	163	41	18						
79-02-06		0815	69	36	6.7						
79-02-21		1100	89	27	6.5						
79-03-06		0945	274	24	18						
79-03-19		1530	72	39	7.6						
79-04-02		1920	1230	72	239						
79-04-17		1530	172	54	25						
79-04-30		1500	125	30	10						
79-05-21		2026	5720	176	2720						
79-05-30		0830	540	57	83						
79-06-07		0845	1360	178	654						
79-06-19		1100	51	57	7.8						
79-07-10		1235	30	104	8.4						
79-08-08		1110	25	47	3.2						
79-09-12		1130	5.6	42	0.64						
79-09-24		1430	0.81	59	0.13						
79-10-03		1230	1.2	58	0.19						
79-10-23		0845	36	90	8.7						
79-11-05		1400	6.7	42	0.76						
79-11-27		0755	11	48	1.4						
79-12-03		1500	6.9	19	0.35						
79-12-18		1000	36	88	8.6						
80-01-09		1145	58	29	4.5						
80-01-22		0915	146	63	25						
80-02-11		1445	144	23	8.9						
80-03-19		1300	46	25	3.1						
80-04-14		1400	521	92	129						
80-05-21		1745	118	30	9.6						
80-06-24		0830	12	16	0.52						
80-07-24		1630	0.19	10	0.01						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249400 JAMES FORK NEAR HACKETT, ARK.



## ARKANSAS RIVER BASIN

07249410 JAMES FORK NEAR WILLIAMS, OKLA.

LOCATION.--Lat 35°09'30", long 96°36'01", NE 1/4 NW 1/4 sec.21, T.8 N., R.26 E., LeFlore County, Hydrologic Unit 11110105, near county road 1.1 miles (1.8 km) southwest of Williams.

DRAINAGE AREA.--198 mi<sup>2</sup> (512 km<sup>2</sup>).

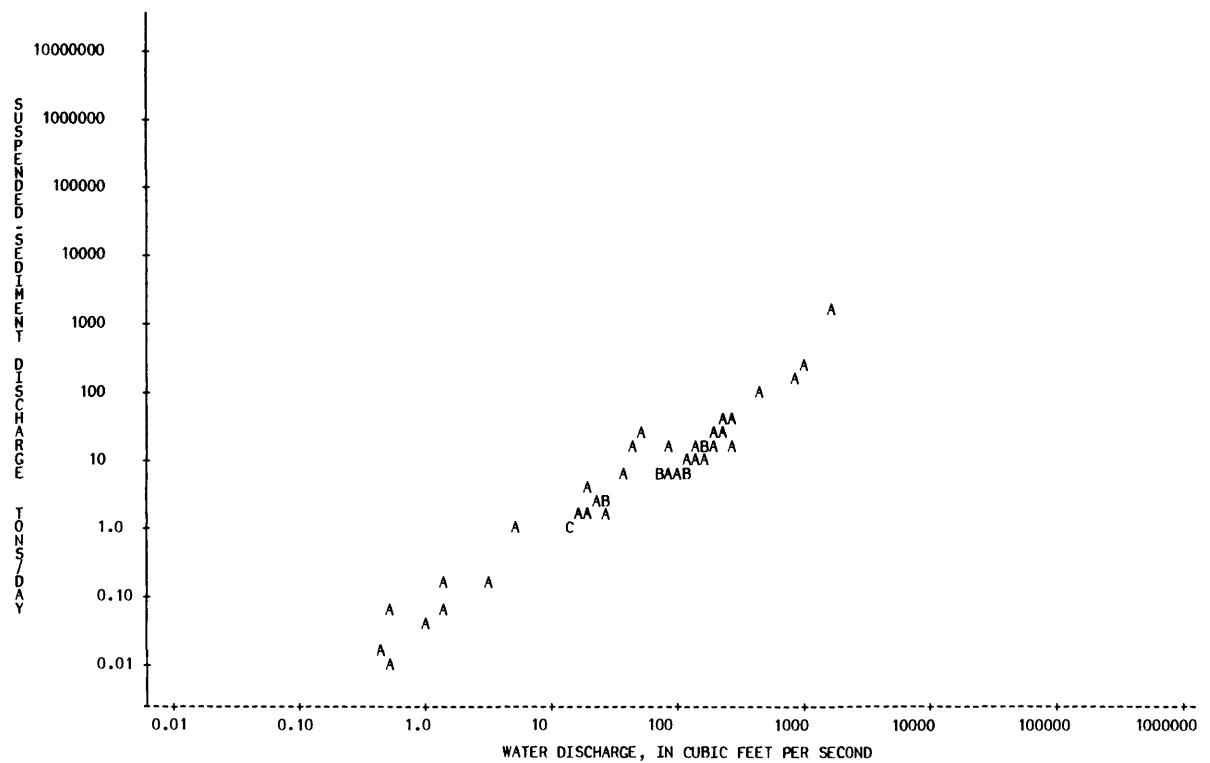
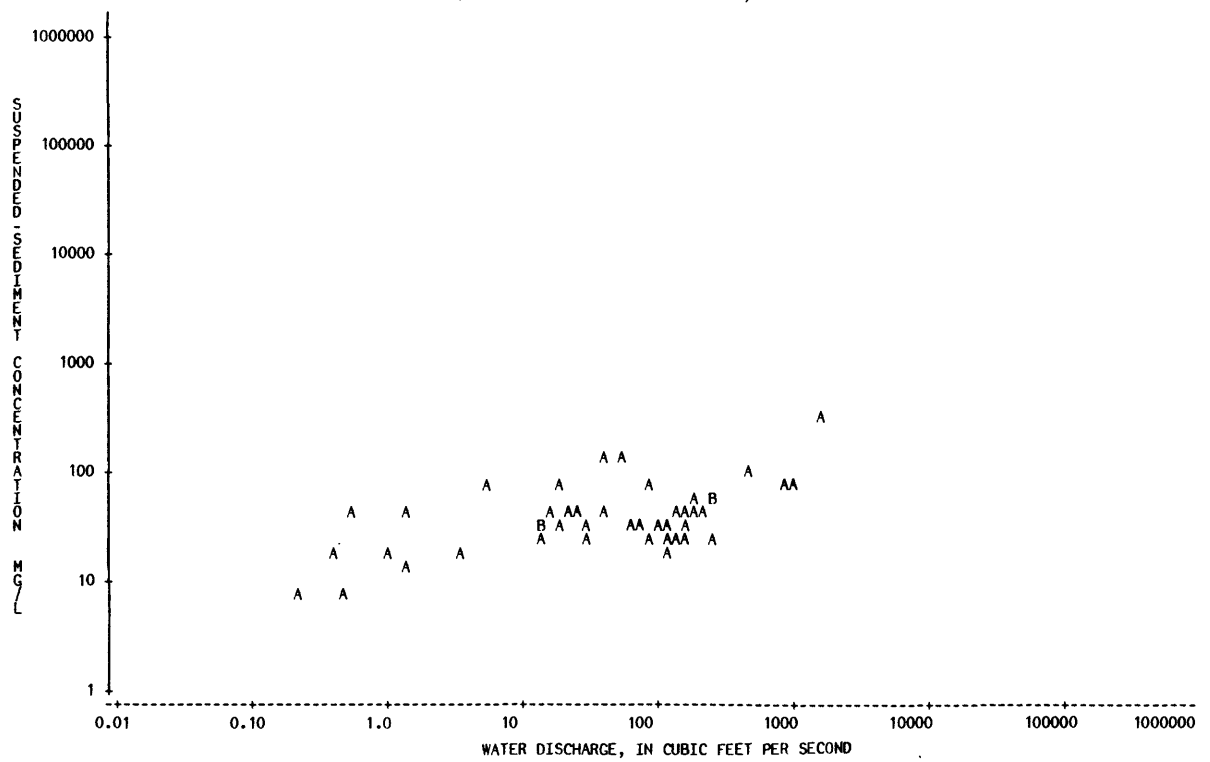
PERIOD OF RECORD.--Water years 1977-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-02-10	1000		82	67	15
77-03-15	1615		179	50	24
77-04-20	0945		96	29	7.5
77-05-18	0920		16	38	1.6
77-06-15	0945		0.42	18	0.02
77-07-19	1400		1.4	15	0.06
77-08-17	0740		3.3	20	0.18
78-01-27	0950		165	39	17
78-02-06	1545		87	22	5.2
78-03-06	1530		155	21	8.8
78-04-04	1200		133	39	14
78-05-02	1330		29	24	1.9
78-06-19	1800		13	31	1.1
78-07-19	1330		1.0	16	0.04
78-08-07	1600		0.23	7	0.00
78-09-03	0915		0.48	8	0.01
78-11-09	1045		0.52	41	0.06
78-12-20	1010		13	36	1.3
79-01-23	1045		232	38	24
79-02-07	0845		67	36	6.5
79-02-20	1530		110	32	9.5
79-03-14	1015		130	24	8.4
79-04-03	1615		1030	78	217
79-04-17	1330		238	54	35
79-05-01	0930		171	34	16
79-05-30	1045		907	67	164
79-06-07	1115		1590	318	1370
79-06-19	1320		76	36	7.4
79-07-10	0950		56	144	22
79-08-08	0830		40	48	5.2
79-08-22	1245		43	133	15
79-09-12	0845		27	42	3.1
79-09-25	0830		5.2	68	0.95
79-10-02	1430		1.4	45	0.17
79-10-23	1130		18	80	3.9
79-11-07	0820		22	42	2.5
79-11-27	1015		28	33	2.5
79-12-05	0900		14	22	0.83
80-01-09	0920		112	24	7.3
80-01-22	1100		262	60	42
80-02-13	0930		268	26	19
80-03-19	1020		109	18	5.3
80-04-15	0710		444	99	119
80-05-22	1020		192	37	19
80-06-24	1130		18	28	1.4
80-07-22	1500		0.01	4	0.00

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07249410 JAMES FORK NEAR WILLIAMS, OKLA.



## ARKANSAS RIVER BASIN

07249415 COAL CREEK TRIBUTARY NEAR BOKOSHE, OKLA.

LOCATION.--Lat 35°11'30", long 96°43'19", SW 1/4 SE 1/4 sec.1, T.8 N., R.24 E., LeFlore County, Hydrologic Unit 11110105, on county road bridge 3.5 mi (5.6 km) northwest of Panama, and at mile 7.1 (11.4 km).

DRAINAGE AREA.--1.26 mi<sup>2</sup> (3.26 km<sup>2</sup>).

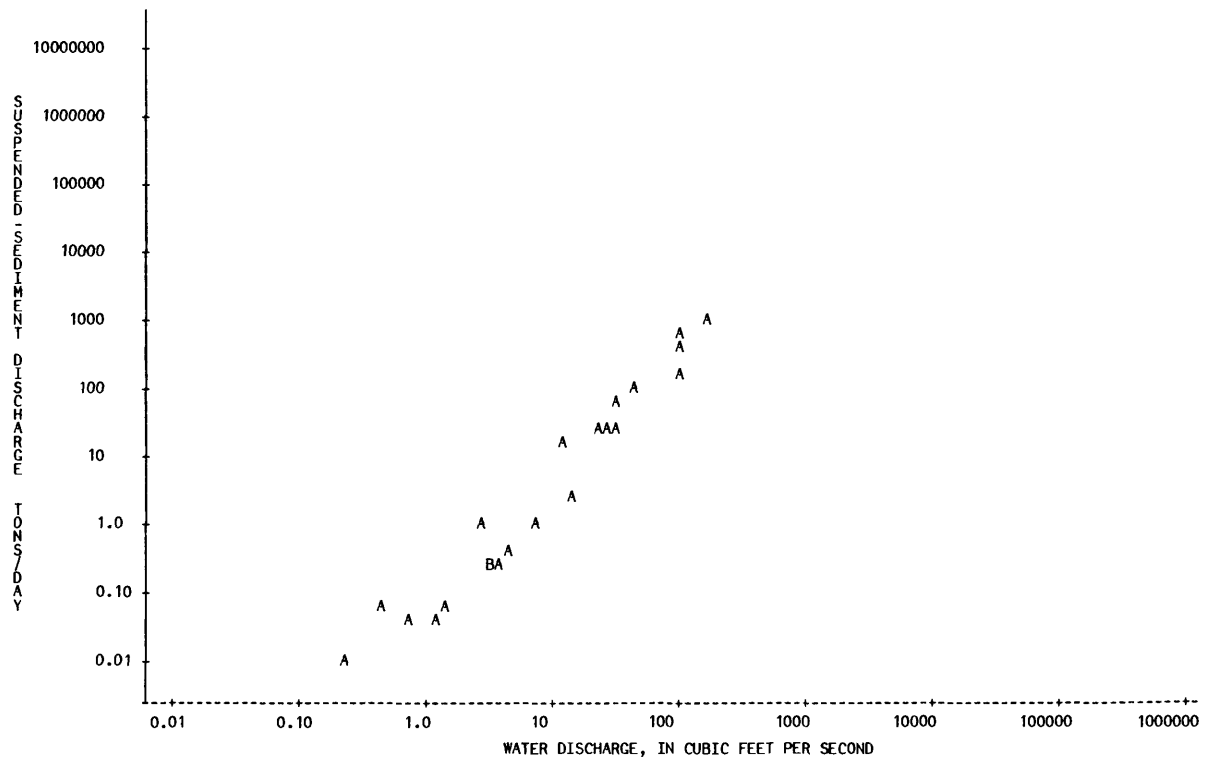
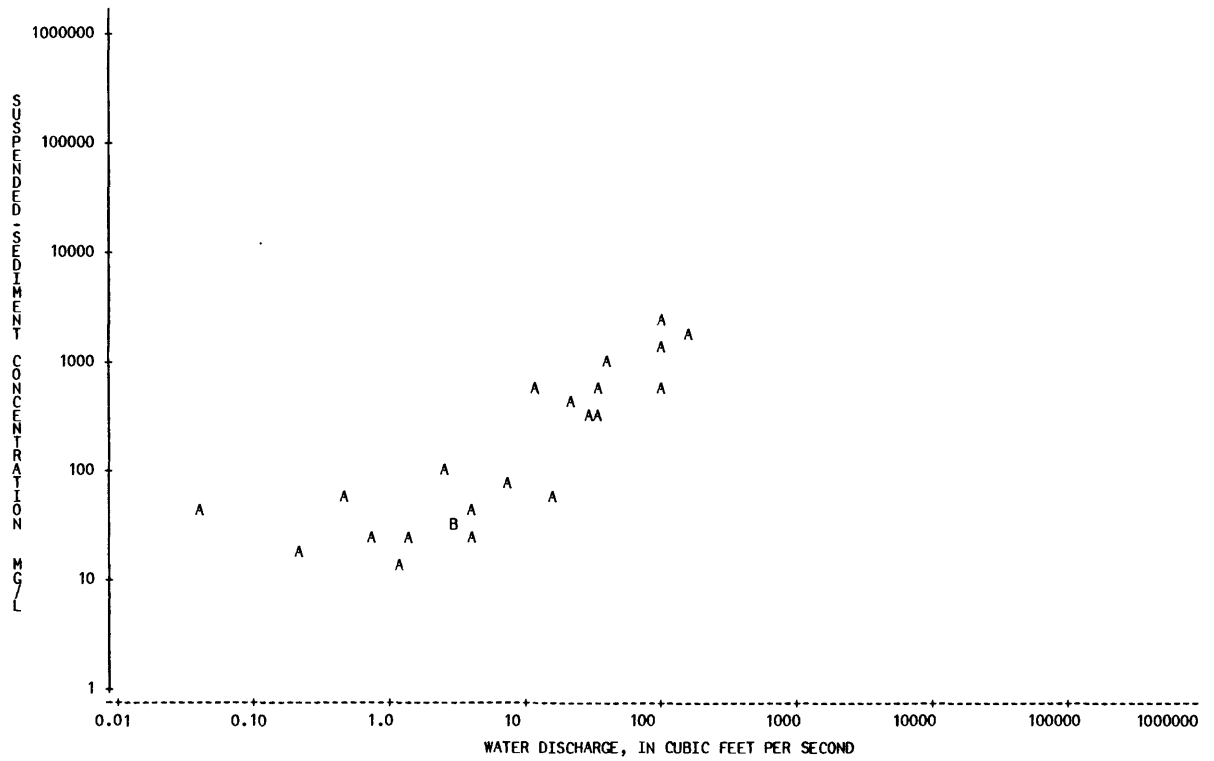
PERIOD OF RECORD.--Water years 1977-79.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-02-09		1500	0.23	19	0.01
77-03-15		1500	0.44	51	0.06
77-04-20		1305	12	600	19
77-12-05		1515	3.1	29	0.24
78-01-27		1200	3.0	28	0.23
78-02-07		0900	1.3	22	0.08
78-03-07		0925	23	482	30
79-02-06		1315	0.04	37	0.00
79-02-21		1515	0.78	21	0.04
79-03-07		0930	1.1	15	0.04
79-03-20		1830	15	53	2.1
79-04-04		1450	3.7	24	0.24
79-04-11		0315	41	1050	116
79-04-11		0940	34	623	57
79-04-11		1128	169	1990	908
79-04-11		1310	96	611	158
79-04-18		1000	2.7	112	0.82
79-05-01		1220	0.01	57	0.00
79-05-03		1932	29	342	27
79-05-11		1550	34	288	26
79-05-30		1400	4.3	43	0.50
79-06-07		1400	6.9	69	1.3
79-08-14		1710	100	2640	713
79-08-14		1730	102	1350	372

\*\*\*\*\*  
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07249415 COAL CREEK TRIBUTARY NEAR BOKOSHE, OKLA.



## ARKANSAS RIVER BASIN

07249419 COAL CREEK NEAR PANAMA, OKLA.

LOCATION.--Lat 35°11'08", long 96°40'23", NW 1/4 NE 1/4 sec.9, T.8 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, on U.S. Highway 59, 1.0 mi (1.6 km) north of Panama, and at mile 2.9 (4.6 km).

DRAINAGE AREA.--6.67 mi<sup>2</sup> (17.37 km<sup>2</sup>).

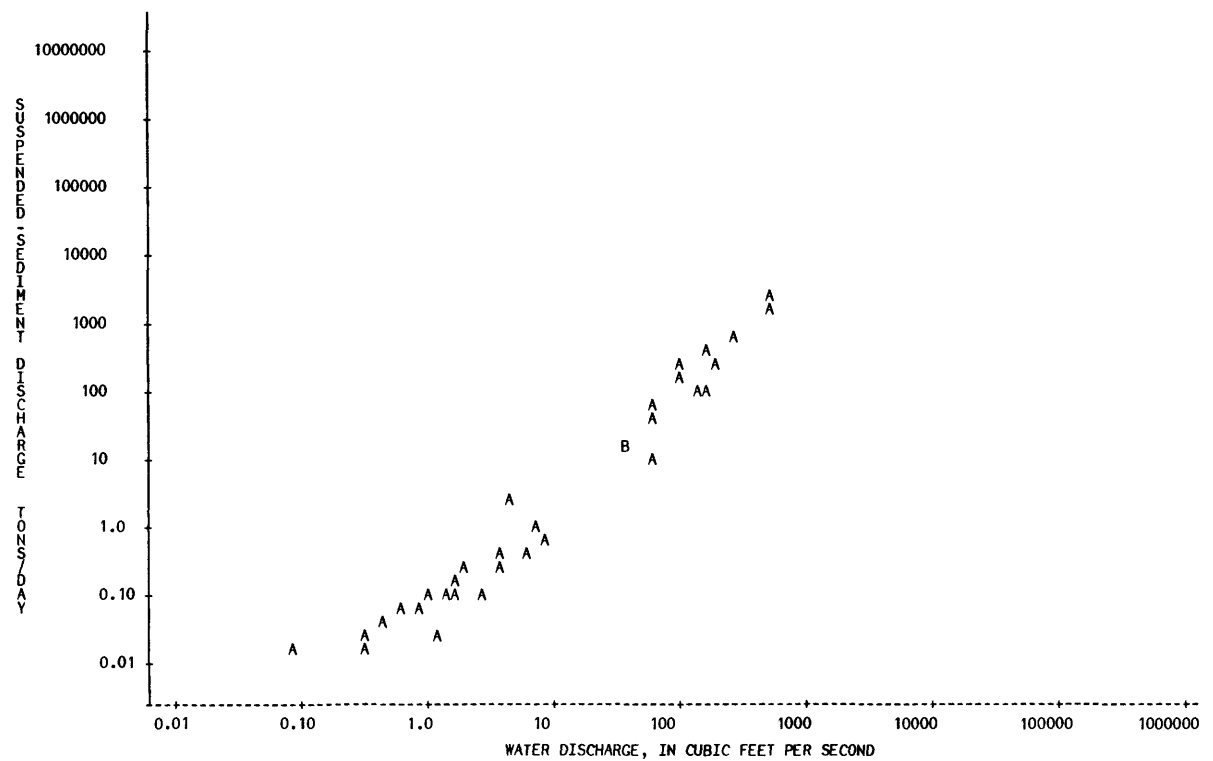
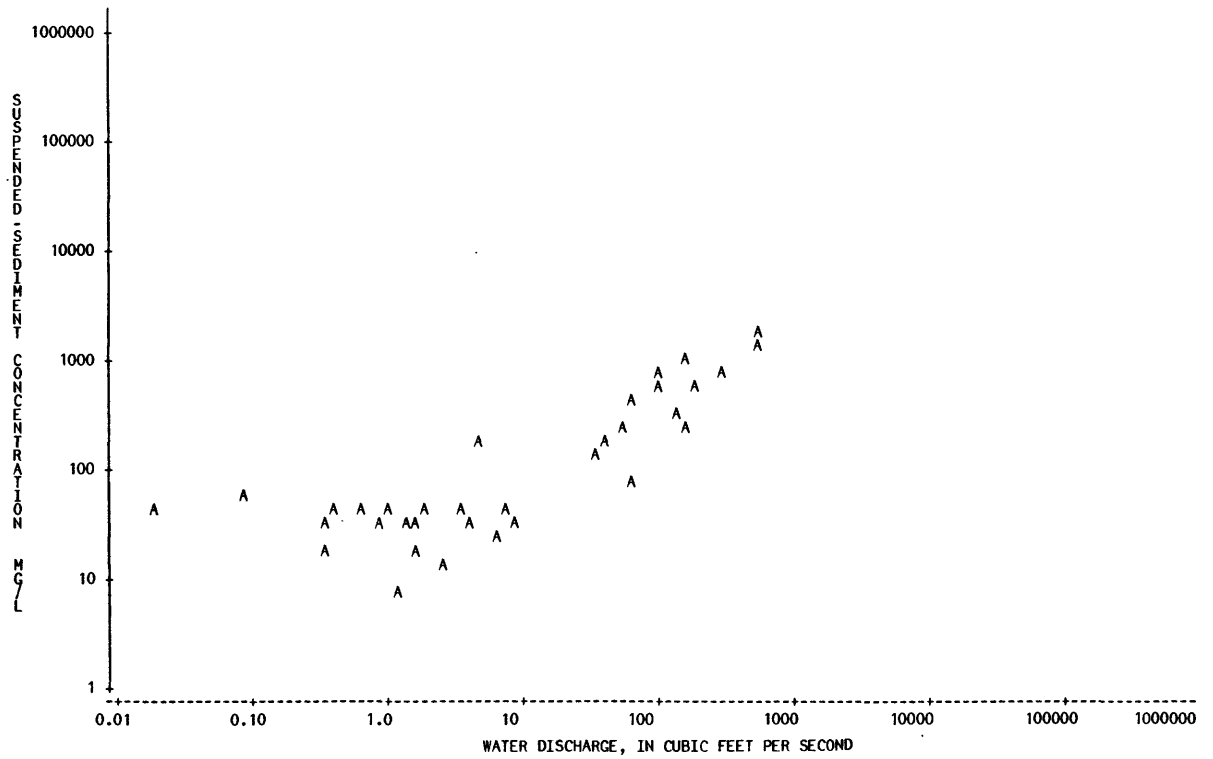
PERIOD OF RECORD.--Water years 1977-79.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-02-09		1630	0.86	28	0.07
77-03-15		1530	1.7	36	0.17
77-04-20		1135	1.4	31	0.12
77-08-16		1140	0.09	56	0.01
77-12-06		1200	1.2	7	0.02
78-02-06		1720	1.7	18	0.08
78-03-06		1700	2.5	14	0.09
78-04-03		1540	0.93	38	0.10
78-05-01		1800	4.7	174	2.2
78-11-22		0730	0.41	37	0.04
78-12-19		1630	0.33	20	0.02
79-01-23		1715	8.7	34	0.80
79-02-06		1130	1.9	44	0.23
79-02-22		0915	156	898	378
79-03-05		1845	4.0	28	0.30
79-03-20		1330	62	76	13
79-04-04		1110	6.6	22	0.39
79-04-11		0405	93	831	209
79-04-11		0655	107	582	168
79-04-11		1205	541	1700	2480
79-04-11		1435	505	1280	1750
79-04-11		1606	275	849	630
79-04-11		1735	143	298	115
79-04-17		0900	0.59	48	0.08
79-04-21		0746	37	167	17
79-04-23		0845	59	380	61
79-05-01		1400	0.33	34	0.03
79-05-03		0635	58	210	33
79-05-11		1625	196	580	307
79-05-11		2033	161	208	90
79-05-12		0645	36	134	13
79-05-30		1245	3.6	48	0.47
79-06-08		0815	7.4	46	0.92
79-06-19		1640	0.01	32	0.00
79-07-09		1515	0.02	37	0.00
79-09-11		1425	0.01	128	0.00

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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07249419 COAL CREEK NEAR PANAMA, OKLA.





## ARKANSAS RIVER BASIN

07249422 HOLI-TUSKA CREEK NEAR PANAMA, OKLA.

LOCATION.--Lat 35°12'46", long 94°40'21", on east edge of NE 1/4 sec.32, T.9 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, on left downstream end of culvert on U.S. Highways 59 and 271, and 3.2 mi (5.1 km) north from center of Panama, and at mile 6.2 (10.0 km).

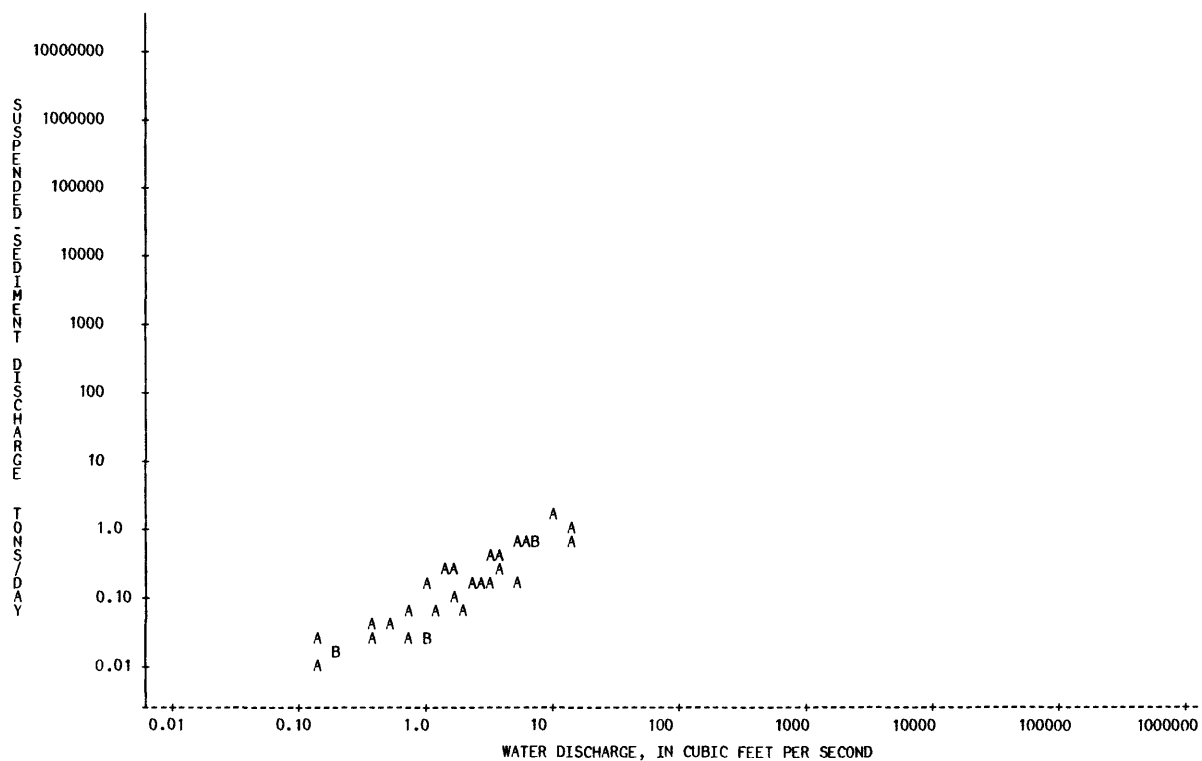
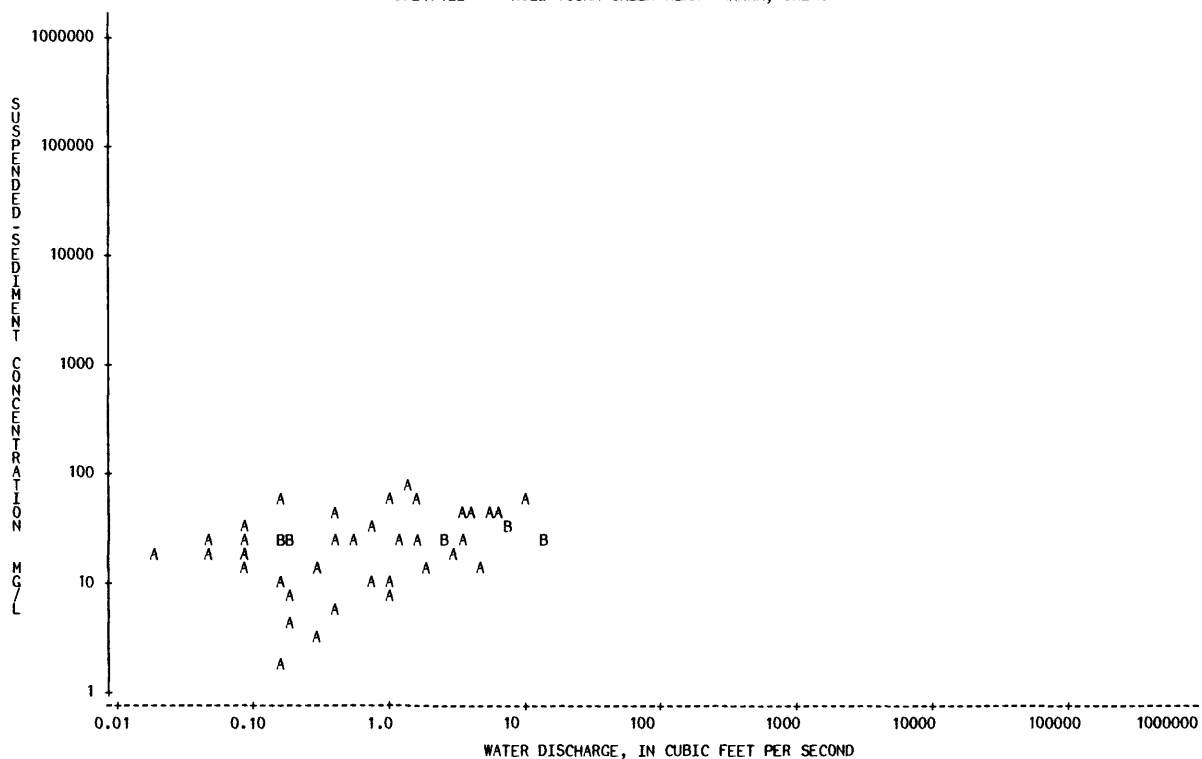
DRAINAGE AREA.--4.39 mi<sup>2</sup> (11.37 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-11-27		1200	1.7	60	0.27						
78-12-04		1300	1.1	63	0.18						
78-12-11		1400	0.53	26	0.04						
78-12-26		1215	0.05	22	0.00						
79-01-02		1235	1.6	22	0.10						
79-01-17		1325	4.0	46	0.50						
79-01-22		1345	6.5	41	0.72						
79-02-01		1135	1.1	26	0.08						
79-02-08		1235	5.2	39	0.55						
79-03-05		1145	7.2	34	0.66						
79-03-09		1146	2.5	26	0.18						
79-03-15		1215	0.72	28	0.05						
79-03-23		1345	14	22	0.81						
79-03-27		1625	11	62	1.8						
79-04-25		1505	3.5	24	0.23						
79-05-02		1403	3.4	37	0.34						
79-05-05		1205	7.1	31	0.59						
79-05-17		1130	0.39	42	0.04						
79-05-29		1512	14	27	1.1						
79-06-09		1115	2.4	25	0.16						
79-06-15		1230	0.09	22	0.01						
79-08-15		1230	1.4	75	0.28						
79-11-26		1200	0.02	20	0.00						
79-12-17		0835	0.09	33	0.01						
79-12-31		1050	0.20	26	0.01						
80-01-07		1110	0.20	25	0.01						
80-01-14		1200	0.15	27	0.01						
80-01-24		1220	0.39	26	0.03						
80-01-31		0920	0.15	58	0.02						
80-02-07		1020	0.15	22	0.01						
80-02-14		1210	0.98	11	0.03						
80-02-21		1635	0.28	3	0.00						
80-02-28		1030	0.15	2	0.00						
80-03-06		0915	0.09	20	0.00						
80-03-14		0810	0.28	12	0.01						
80-03-21		0907	0.39	5	0.01						
80-03-28		0840	4.8	15	0.19						
80-04-07		1130	0.72	11	0.02						
80-04-14		0930	0.20	7	0.00						
80-04-21		1045	0.15	9	0.00						
80-04-28		1157	0.20	4	0.00						
80-05-05		0845	0.98	8	0.02						
80-05-12		0900	0.09	13	0.00						
80-05-19		0950	3.0	16	0.13						
80-05-23		1025	2.0	13	0.07						
80-06-02		1130	0.05	20	0.00						

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.

LOCATION.--Lat 35°25'42", long 94°21'27", 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. Highways 64 and 71 at Van Buren, 1.4 mi (2.3 km) downstream from Lee Creek, 8.7 mi (14.0 km) downstream from Poteau River and at mile 316.5 (509.2 km).

DRAINAGE AREA.--150,482 mi<sup>2</sup> (242,126 km<sup>2</sup>), of which 22,241 mi<sup>2</sup> (57,605 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1945-49, 1951, 1974.

REMARKS.--Flow slightly to completely regulated by one or more major lakes and reservoirs since 1941.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-12-09			122000	4420	A 1460000	45-06-29			35500	1080	A 104000
44-12-11			88400	3550	A 847000	45-07-03			124000	3440	A 1150000
44-12-15			31600	1910	A 163000	45-07-06			91000	1970	A 484000
44-12-29			16200	330	A 14400	45-07-12			75300	2910	A 592000
45-01-11			13100	170	A 6010	45-07-13			66800	2850	A 514000
45-01-27			12600	230	A 7820	45-07-21			23800	700	A 45000
45-02-03			12600	260	A 8850	45-07-27			18600	520	A 26100
45-02-08			11800	160	A 5100	45-08-04			17200	310	A 14400
45-02-14			11900	220	A 7070	45-08-08			12000	240	A 7780
45-02-21			64000	2500	A 432000	45-08-17			15500	260	A 10900
45-02-23			110000	1480	A 440000	45-08-25			13800	190	A 7080
45-02-28			78100	1300	A 274000	45-09-14			8600	360	A 8360
45-03-04			173000	3240	A 1510000	45-09-25			4300	780	A 9060
45-03-05			159000	2310	A 992000	45-09-27			127000	3080	A 1060000
45-03-09			100000	2680	A 724000	45-09-28			165000	3600	A 1600000
45-03-16			153000	5010	A 2070000	45-10-01			244000	4420	A 2910000
45-03-17			157000	3640	A 1540000	45-10-02			282000	3980	A 3030000
45-03-18			145000	2980	A 1170000	45-10-03			281000	3420	A 2590000
45-03-19			225000	2620	A 1590000	45-10-05			227000	2590	A 1590000
45-03-20			301000	2960	A 2410000	45-10-06			198000	2490	A 1330000
45-03-21			290000	2450	A 1920000	45-10-09			159000	2300	A 987000
45-03-22			241000	2140	A 1390000	45-10-15			31600	990	A 84500
45-03-24			163000	1360	A 599000	45-11-02			15000	190	A 7700
45-03-26			130000	2170	A 762000	45-11-16			9620	170	A 4420
45-03-31			14900	2050	A 82500	45-11-23			8870	180	A 4310
45-04-05			101000	1400	A 382000	46-01-04			6370	100	A 1720
45-04-11			30300	860	A 70400	46-01-05			11000	410	A 12200
45-04-14			161000	4540	A 1970000	46-01-07			65800	660	A 117000
45-04-15			430000	4280	A 4970000	46-01-08			83700	2650	A 599000
45-04-16			565000	3020	A 4610000	46-01-09			98500	2720	A 723000
45-04-17			641000	3030	A 5240000	46-01-11			120000	2160	A 700000
45-04-18			611000	2410	A 3980000	46-01-12			132000	2310	A 823000
45-04-19			520000	2730	A 3830000	46-01-13			123000	2110	A 701000
45-04-20			433000	2280	A 2670000	46-01-14			106000	1920	A 550000
45-04-21			356000	2420	A 2330000	46-01-15			87500	2000	A 473000
45-04-22			302000	2470	A 2010000	46-01-16			69700	3020	A 568000
45-04-23			237000	2150	A 1380000	46-01-17			52400	2080	A 294000
45-04-26			221000	1650	A 985000	46-01-18			40400	1770	A 193000
45-04-30			146000	2070	A 816000	46-01-19			32100	1440	A 125000
45-05-09			46300	1700	A 213000	46-01-21			29600	1340	A 107000
45-05-14			90400	830	A 203000	46-01-22			27400	1170	A 86600
45-05-16			116000	1580	A 495000	46-01-23			25800	1100	A 76600
45-05-17			145000	2160	A 846000	46-01-24			24500	930	A 61500
45-05-18			140000	1500	A 567000	46-01-25			23400	730	A 46100
45-05-26			26500	620	A 44400	46-01-26			21900	820	A 48500
45-06-02			45900	710	A 88000	46-01-29			18200	380	A 18700
45-06-08			32000	940	A 81200	46-02-01			17200	240	A 11100
45-06-10			161000	3060	A 1330000	46-02-05			18600	250	A 12600
45-06-11			222000	2670	A 1600000	46-02-06			23900	650	A 41900
45-06-12			222000	2400	A 1440000	46-02-07			26600	530	A 38100
45-06-13			222000	3400	A 2040000	46-02-08			28300	640	A 48900
45-06-14			201200	3070	A 1670000	46-02-09			27100	710	A 52000
45-06-22			89900	1790	A 434000	46-02-10			25000	610	A 41200

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-02-12			22400	400	A 24200	46-05-27			102000	2240	A 617000
46-02-13			40900	1330	A 147000	46-05-28			85100	1870	A 430000
46-02-14			79500	2360	A 507000	46-06-02			115000	3020	A 938000
46-02-15			80500	2190	A 476000	46-06-03			11500	2460	A 76400
46-02-16			80500	1810	A 393000	46-06-04			97600	1700	A 448000
46-02-17			7000	1610	A 30400	46-06-05			86200	1440	A 335000
46-02-18			64500	1310	A 228000	46-06-06			65700	1400	A 248000
46-02-19			92000	2290	A 569000	46-06-07			39900	1760	A 190000
46-02-20			12700	2650	A 90900	46-06-08			26600	2080	A 149000
46-02-21			122000	2370	A 781000	46-06-09			24500	1950	A 129000
46-02-22			110000	2030	A 603000	46-06-10			24500	1850	A 122000
46-02-23			95500	1960	A 505000	46-06-11			22400	1410	A 85300
46-02-24			73200	2000	A 395000	46-06-13			14200	1300	A 49800
46-02-25			51600	1790	A 249000	46-06-14			15500	1120	A 46900
46-02-26			38400	1750	A 181000	46-06-16			22400	800	A 48400
46-02-27			32600	1680	A 148000	46-06-19			8600	730	A 17000
46-02-28			27700	820	A 61300	46-06-21			9090	240	A 5890
46-03-01			25200	1070	A 72800	46-06-22			9280	190	A 4760
46-03-02			23100	860	A 53600	46-06-25			9620	190	A 4940
46-03-03			21300	770	A 44300	46-06-28			39900	1870	A 201000
46-03-06			18600	480	A 24100	46-06-29			45900	1990	A 247000
46-03-07			21900	690	A 40800	46-06-30			43900	1670	A 198000
46-03-08			24500	750	A 49600	46-07-01			56000	2190	A 331000
46-03-11			25500	700	A 48200	46-07-02			81000	3690	A 807000
46-03-12			22900	760	A 47000	46-07-03			65700	2940	A 522000
46-03-13			24500	760	A 50300	46-07-05			40500	2940	A 321000
46-03-15			27100	670	A 49000	46-07-06			32900	2630	A 234000
46-03-16			32900	990	A 87900	46-07-07			26100	1980	A 140000
46-03-17			37300	1170	A 118000	46-07-08			22400	1300	A 78600
46-03-18			35400	1420	A 136000	46-07-11			14600	550	A 21700
46-03-19			33500	890	A 80500	46-07-14			11800	280	A 8920
46-03-20			34800	1030	A 96800	46-07-15			12300	110	A 3650
46-03-21			36600	1390	A 137000	46-07-17			7640	140	A 2890
46-03-22			36000	1240	A 121000	46-07-20			6460	130	A 2270
46-03-23			32300	1310	A 114000	46-07-23			5770	90	A 1400
46-03-24			30500	1080	A 88900	46-07-26			5770	110	A 1710
46-03-25			28300	940	A 71800	46-07-29			5640	100	A 1520
46-03-26			28800	910	A 70800	46-08-05			5120	60	A 829
46-03-27			31100	860	A 72200	46-08-08			4640	80	A 1000
46-03-28			32900	1090	A 96800	46-08-11			5000	40	A 540
46-03-29			39900	1170	A 126000	46-08-14			3850	50	A 520
46-03-30			50200	2040	A 277000	46-08-17			4520	50	A 610
46-03-31			45900	1890	A 234000	46-08-20			4300	30	A 348
46-04-01			36000	1720	A 167000	46-08-23			3960	40	A 428
46-04-02			28800	1310	A 102000	46-08-26			4300	40	A 464
46-04-03			24500	1040	A 68800	46-08-29			8940	110	A 2660
46-04-04			22400	860	A 52000	46-08-30			10700	810	A 23400
46-04-05			20600	490	A 27300	46-08-31			8280	660	A 14800
46-04-06			21000	610	A 34600	46-09-03			8600	360	A 8360
46-04-09			18600	470	A 23600	46-09-05			5810	260	A 4080
46-04-12			17200	330	A 15300	46-09-06			6460	220	A 3840
46-04-15			14600	280	A 11000	46-09-09			7340	100	A 1980
46-04-16			18200	860	A 42300	46-09-12			5000	120	A 1620
46-04-17			25000	700	A 47300	46-09-15			5120	70	A 968
46-04-18			29400	700	A 55600	46-09-18			3850	80	A 832
46-04-19			30000	830	A 67200	46-09-21			4640	70	A 877
46-04-20			22400	730	A 44200	46-09-24			5380	1140	A 16600
46-04-23			17200	370	A 17200	46-09-27			7490	4490	A 90800
46-04-24			35400	630	A 60200	46-09-30			7800	8040	A 169000
46-04-25			56200	1300	A 197000	46-10-02			4930	2860	A 38100
46-04-26			56200	1600	A 243000	46-10-03			4190	2190	A 24800
46-04-27			50200	1300	A 176000	46-10-04			5280	1840	A 26200
46-04-28			48000	1020	A 132000	46-10-06			4460	770	A 9270
46-04-29			43900	1100	A 130000	46-10-09			3740	180	A 1820
46-04-30			65700	2150	A 381000	46-10-12			18800	16900	A 858000
46-05-01			88400	2270	A 542000	46-10-14			13800	12100	A 451000
46-05-02			88400	1930	A 461000	46-10-17			13000	6580	A 231000
46-05-03			85100	1560	A 358000	46-10-20			10900	6460	A 190000
46-05-04			98900	2750	A 734000	46-10-23			8950	2540	A 61400
46-05-06			64100	2050	A 355000	46-10-25			9260	1920	A 48000
46-05-07			48000	2400	A 311000	46-10-26			8950	1370	A 33100
46-05-08			45900	1710	A 212000	46-10-29			8340	790	A 17800
46-05-09			54700	2210	A 326000	46-10-31			7240	590	A 11500
46-05-10			63300	2260	A 386000	46-11-04			33300	2110	A 190000
46-05-11			71700	2680	A 519000	46-11-05			46400	3020	A 378000
46-05-13			50900	2050	A 282000	46-11-06			67000	2000	A 362000
46-05-14			39900	2030	A 219000	46-11-07			100000	3620	A 977000
46-05-15			32900	1460	A 130000	46-11-08			87000	3150	A 740000
46-05-16			37900	1490	A 152000	46-11-09			88000	2450	A 582000
46-05-17			54700	2030	A 300000	46-11-10			110000	1430	A 425000
46-05-18			74400	1900	A 382000	46-11-11			81500	1400	A 308000
46-05-19			76200	1950	A 401000	46-11-12			65700	1820	A 323000
46-05-20			70000	1770	A 335000	46-11-13			57000	1670	A 257000
46-05-21			60100	1430	A 232000	46-11-14			44500	1650	A 198000
46-05-22			48800	1380	A 182000	46-11-15			32400	1190	A 104000
46-05-23			54300	1850	A 271000	46-11-16			28200	1510	A 115000
46-05-24			134000	4020	A 1450000	46-11-17			27600	1540	A 115000
46-05-25			137000	2870	A 1060000	46-11-18			25200	1390	A 94600
46-05-26			110000	2470	A 734000	46-11-19			19700	1210	A 64400

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

537

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-11-20			16500	950	A 42300	47-05-19			219000	3980	A 2350000
46-11-22			14500	580	A 22700	47-05-20			199000	3350	A 1800000
46-11-23			12700	500	A 17100	47-05-21			183000	3430	A 1690000
46-11-26			21800	710	A 41800	47-05-22			167000	3490	A 1570000
46-11-27			27600	970	A 72300	47-05-23			154000	3970	A 1650000
46-11-29			26400	730	A 52000	47-05-24			169000	3040	A 1390000
46-11-30			19200	560	A 29000	47-05-26			169000	2980	A 1360000
46-12-03			10900	340	A 10000	47-05-27			143000	2450	A 946000
46-12-04			10600	260	A 7440	47-05-28			121000	2290	A 748000
46-12-06			9260	870	A 21800	47-05-29			111000	2790	A 836000
46-12-09			9580	370	A 9570	47-05-30			95000	2470	A 634000
46-12-10			113000	2520	A 769000	47-05-31			75000	1990	A 403000
46-12-11			204000	4530	A 2500000	47-06-02			128000	5390	A 1860000
46-12-12			239000	3890	A 2510000	47-06-03			141000	4700	A 1790000
46-12-13			252000	3380	A 2300000	47-06-04			123000	2850	A 946000
46-12-14			204000	2480	A 1370000	47-06-05			111000	2640	A 791000
46-12-16			113000	2110	A 644000	47-06-06			88500	2110	A 504000
46-12-17			77000	1560	A 324000	47-06-07			58000	1520	A 238000
46-12-18			53200	1240	A 178000	47-06-08			45800	1660	A 205000
46-12-19			34800	1600	A 150000	47-06-09			45500	1150	A 141000
46-12-20			26400	1120	A 79800	47-06-10			42900	840	A 97300
46-12-21			24600	840	A 55800	47-06-11			45800	740	A 91500
46-12-23			18300	340	A 16800	47-06-12			66000	2590	A 462000
46-12-27			13000	300	A 10500	47-06-13			59300	1510	A 242000
46-12-30			14100	330	A 12600	47-06-14			47500	840	A 108000
47-01-02			11300	200	A 6100	47-06-15			36800	590	A 58600
47-01-06			10200	260	A 7160	47-06-16			29200	460	A 36300
47-01-09			9580	170	A 4400	47-06-17			25500	560	A 38600
47-01-12			10200	200	A 5510	47-06-18			22500	400	A 24300
47-01-15			9910	380	A 10200	47-06-19			21200	350	A 20000
47-01-21			9580	240	A 6210	47-06-22			36200	400	A 39100
47-01-24			9580	310	A 8020	47-06-23			44700	1550	A 187000
47-01-27			8950	230	A 5560	47-06-24			31700	1820	A 156000
47-01-31			8050	300	A 6520	47-06-25			59300	2600	A 416000
47-02-15			9520	260	A 6680	47-06-26			73600	3300	A 656000
47-02-18			5660	250	A 3820	47-06-27			68500	2230	A 412000
47-02-21			6070	160	A 2620	47-06-28			68300	2060	A 380000
47-02-25			5660	240	A 3670	47-06-30			52200	1470	A 207000
47-02-28			6200	160	A 2680	47-07-01			48400	1240	A 162000
47-03-03			5860	160	A 2530	47-07-02			50800	1210	A 166000
47-03-06			4770	100	A 1290	47-07-03			49500	1250	A 167000
47-03-09			6070	160	A 2620	47-07-04			46900	1220	A 154000
47-03-19			48500	5120	A 670000	47-07-05			41600	970	A 109000
47-03-20			42000	3380	A 383000	47-07-06			38800	940	A 98500
47-03-21			28800	2550	A 198000	47-07-07			29400	250	A 19800
47-03-22			22900	1820	A 113000	47-07-08			29700	1010	A 81000
47-03-25			18300	720	A 35600	47-07-09			27900	770	A 58000
47-03-28			14900	470	A 18900	47-07-10			25700	1340	A 93000
47-03-31			11300	220	A 6710	47-07-11			22400	1060	A 64100
47-04-02			9580	200	A 5170	47-07-12			18900	810	A 41300
47-04-03			9580	220	A 5690	47-07-15			13400	370	A 13400
47-04-06			25800	830	A 57800	47-07-18			12800	300	A 10400
47-04-07			28200	730	A 55600	47-07-21			10900	130	A 3830
47-04-09			51500	930	A 129000	47-07-24			9250	200	A 5000
47-04-10			93000	3270	A 821000	47-07-25			9620	2690	A 69900
47-04-11			132000	3000	A 1070000	47-07-27			12400	960	A 32100
47-04-12			176000	4580	A 2180000	47-07-28			14200	1040	A 39900
47-04-14			162000	4570	A 2000000	47-07-30			14640	1060	A 41900
47-04-15			166000	3030	A 1360000	47-08-02			13100	700	A 24800
47-04-16			215000	6370	A 3700000	47-08-05			9870	400	A 10700
47-04-17			238000	5400	A 3470000	47-08-07			8460	310	A 7080
47-04-18			223000	4960	A 2990000	47-08-08			8740	420	A 9910
47-04-19			194000	3900	A 2040000	47-08-11			7640	170	A 3510
47-04-21			134000	3240	A 1170000	47-08-13			6110	90	A 1480
47-04-22			122000	2660	A 876000	47-08-14			5870	60	A 951
47-04-23			114000	1930	A 594000	47-08-17			7110	100	A 1920
47-04-24			108000	1940	A 566000	47-08-20			4770	50	A 644
47-04-25			109000	1680	A 494000	47-08-22			4770	50	A 644
47-04-26			142000	2220	A 851000	47-08-23			5870	90	A 1430
47-04-28			175000	2620	A 1240000	47-08-26			5190	60	A 841
47-04-29			182000	2120	A 1040000	47-08-29			6350	90	A 1540
47-04-30			200000	2790	A 1510000	47-09-01			5990	120	A 1940
47-05-01			171000	2420	A 1120000	47-09-04			3280	40	A 354
47-05-02			141000	2110	A 803000	47-09-07			4570	90	A 1110
47-05-03			111000	1750	A 524000	47-09-10			3130	120	A 1010
47-05-05			66600	1350	A 243000	47-09-11			2920	120	A 946
47-05-06			51300	1020	A 141000	47-09-13			16400	1070	A 47400
47-05-07			44000	1070	A 127000	47-09-15			11000	810	A 24100
47-05-08			39100	890	A 94000	47-09-16			8740	700	A 16500
47-05-09			33800	770	A 70300	47-09-19			4670	210	A 2650
47-05-10			29100	750	A 58900	47-09-22			7640	220	A 4540
47-05-11			24700	500	A 33300	47-09-25			5190	120	A 1680
47-05-12			24600	540	A 35900	47-09-28			6600	180	A 3210
47-05-13			87300	1920	A 453000	47-10-01			3920	60	A 635
47-05-14			133000	5200	A 1870000	47-10-02			3510	80	A 758
47-05-15			100000	3570	A 964000	47-10-04			5300	90	A 1290
47-05-16			89400	2860	A 690000	47-10-07			4280	40	A 462
47-05-17			166000	4900	A 2200000	47-10-10			4280	30	A 347
47-05-18			221000	4270	A 2550000	47-10-13			4280	80	A 924

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-10-16			2730	40	A 295	48-04-13			28300	1180	A 90200
47-10-20			12500	870	A 29400	48-04-14			25200	1180	A 80300
47-10-23			3760	170	A 1730	48-04-16			22000	640	A 38000
47-10-24			3840	170	A 1760	48-04-19			14100	390	A 14800
47-10-26			5520	110	A 1640	48-04-27			10900	230	A 6770
47-10-29			5870	130	A 2060	48-04-25			9300	190	A 4770
47-10-31			5300	140	A 2000	48-04-28			12900	170	A 5920
47-11-01			5190	130	A 1820	48-04-29			31200	2550	A 215000
47-11-04			4880	90	A 1190	48-04-30			38300	2610	A 270000
47-11-05			4380	60	A 710	48-05-01			33200	2500	A 224000
47-11-07			3840	70	A 726	48-05-03			15300	1470	A 60700
47-11-10			3670	70	A 694	48-05-06			10000	590	A 15900
47-11-13			2730	60	A 442	48-05-09			12800	1380	A 47700
47-11-16			7370	160	A 3180	48-05-12			38100	1370	A 141000
47-11-19			6110	280	A 4620	48-05-13			57500	2990	A 464000
47-11-21			5990	230	A 3720	48-05-14			56000	2390	A 361000
47-11-22			6110	210	A 3460	48-05-15			55500	2420	A 363000
47-11-25			8180	290	A 6400	48-05-17			49000	2420	A 320000
47-11-28			4880	180	A 2370	48-05-18			47200	2700	A 344000
47-12-01			3430	70	A 648	48-05-19			33800	2140	A 195000
47-12-04			2990	50	A 404	48-05-20			26300	1690	A 120000
47-12-05			3060	40	A 330	48-05-25			15600	750	A 31600
47-12-07			6350	400	A 6860	48-05-27			32000	2210	A 191000
47-12-10			17800	1440	A 69200	48-05-28			29600	3180	A 254000
47-12-13			9020	380	A 9250	48-05-29			20500	2120	A 117000
47-12-16			9870	330	A 8790	48-06-01			12000	600	A 19400
47-12-22			6110	120	A 1980	48-06-04			16200	2070	A 90500
47-12-26			4670	70	A 883	48-06-07			9800	520	A 13800
47-12-29			3840	60	A 622	48-06-10			7200	320	A 6220
48-01-01			23800	1590	A 102000	48-06-14			6500	150	A 2630
48-01-02			45900	2830	A 351000	48-06-16			6500	140	A 2460
48-01-03			42500	2590	A 297000	48-06-17			5500	130	A 1930
48-01-04			39200	2180	A 231000	48-06-20			8500	130	A 2980
48-01-05			36000	1550	A 151000	48-06-22			11900	200	A 6430
48-01-06			27000	1210	A 88200	48-06-23			59000	5890	A 938000
48-01-07			17000	1200	A 55100	48-06-24			204000	8220	A 4530000
48-01-09			8740	320	A 7550	48-06-25			318000	5890	A 5060000
48-01-10			8460	400	A 9140	48-06-26			328000	3780	A 3350000
48-01-13			6850	250	A 4620	48-06-28			249000	3160	A 2120000
48-01-16			6110	160	A 2640	48-06-29			239000	3070	A 1980000
48-01-19			5870	140	A 2220	48-06-30			233000	2500	A 1570000
48-01-22			4670	70	A 883	48-07-01			234000	3240	A 2050000
48-01-23			4570	110	A 1360	48-07-02			224000	2840	A 1720000
48-01-26			4190	80	A 905	48-07-03			209000	2630	A 1480000
48-01-29			3350	120	A 1090	48-07-05			144000	3260	A 1270000
48-02-02			4770	100	A 1290	48-07-06			121000	3080	A 1010000
48-02-05			6110	370	A 6100	48-07-07			94000	2990	A 759000
48-02-06			14000	890	A 33600	48-07-08			71700	2490	A 482000
48-02-07			19700	1230	A 65400	48-07-09			62500	2490	A 420000
48-02-10			13700	950	A 35100	48-07-10			57000	1710	A 263000
48-02-13			14600	770	A 30400	48-07-12			58600	1890	A 299000
48-02-16			14800	810	A 32400	48-07-13			89400	4260	A 1030000
48-02-17			14500	610	A 23900	48-07-14			88400	3290	A 785000
48-02-19			13600	780	A 28600	48-07-15			97600	3620	A 954000
48-02-23			9000	430	A 10400	48-07-16			87200	2240	A 527000
48-02-26			17400	770	A 36200	48-07-17			89400	2380	A 574000
48-02-27			53000	1470	A 210000	48-07-19			121000	3620	A 1180000
48-02-28			75500	3920	A 799000	48-07-20			14600	4130	A 163000
48-03-03			86000	3130	A 727000	48-07-21			148000	2990	A 1190000
48-03-04			72000	3150	A 612000	48-07-22			136000	2570	A 944000
48-03-05			62000	2030	A 340000	48-07-23			134000	2680	A 970000
48-03-06			61500	2510	A 417000	48-07-24			142000	2700	A 1040000
48-03-08			58000	2810	A 440000	48-07-26			139000	2370	A 889000
48-03-09			47800	2710	A 350000	48-07-27			137000	2280	A 843000
48-03-10			37000	2310	A 231000	48-07-28			143000	2090	A 807000
48-03-12	1000		29800	1960	A 158000	48-07-29			142000	2050	A 786000
48-03-12	1420		29800	1170	A 94100	48-07-30			132000	3460	A 1230000
48-03-13			26700	1840	A 133000	48-07-31			126000	1950	A 663000
48-03-15			39000	1670	A 176000	48-08-02			115000	1770	A 550000
48-03-16			49000	2500	A 331000	48-08-03			97000	1650	A 432000
48-03-17			40000	2130	A 230000	48-08-04			78100	1340	A 283000
48-03-18	0715		31800	1640	A 141000	48-08-05			64900	1040	A 182000
48-03-18	1505		31800	850	A 73000	48-08-06			59300	1510	A 242000
48-03-19			27700	1640	A 123000	48-08-07			46600	970	A 122000
48-03-20			26500	1340	A 95900	48-08-09			46600	1920	A 242000
48-03-22			38300	1630	A 169000	48-08-10			45200	1270	A 155000
48-03-23			65000	2470	A 433000	48-08-11			50200	1590	A 216000
48-03-24			96000	4320	A 1120000	48-08-12			46600	1340	A 169000
48-03-25			93500	3740	A 944000	48-08-13			43200	1040	A 121000
48-03-26			94500	3090	A 788000	48-08-14			67300	2250	A 409000
48-03-27			81000	3760	A 822000	48-08-16			139000	2900	A 1090000
48-03-29			65000	4060	A 713000	48-08-17			145000	2900	A 1140000
48-03-30			47600	3700	A 476000	48-08-18			124000	2540	A 850000
48-03-31			38800	3030	A 317000	48-08-19			119000	2690	A 864000
48-04-01			34200	2550	A 235000	48-08-20			100000	2570	A 694000
48-04-02			290000	930	A 728000	48-08-21			75300	2190	A 445000
48-04-05			21300	1010	A 58100	48-08-24			35400	1770	A 169000
48-04-08			17100	750	A 34600	48-08-25			27600	1460	A 109000
48-04-12			36100	1730	A 169000	48-08-26			26400	1340	A 95500

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

539

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-08-27			23500	1430	A 90700	49-03-03			75300	2560	A 520000
48-08-28			20700	1160	A 64800	49-03-04			81000	3430	A 750000
48-08-30			20200	850	A 46400	49-03-05			71700	2750	A 532000
48-08-31			18300	610	A 30100	49-03-07			45200	1560	A 190000
48-09-03			15300	470	A 19400	49-03-08			39900	1310	A 141000
48-09-06			12800	420	A 14500	49-03-09			37300	930	A 93700
48-09-09			9300	220	A 5520	49-03-10			35400	850	A 81200
48-09-12			9580	170	A 4400	49-03-11			33600	870	A 78900
48-09-15			11000	250	A 7430	49-03-14			33600	970	A 88000
48-09-17			11000	230	A 6830	49-03-15			33000	840	A 74800
48-09-18			9300	210	A 5270	49-03-16			32400	710	A 62100
48-09-21			7640	200	A 4130	49-03-17			31200	570	A 48000
48-09-23			6600	130	A 2320	49-03-18			29400	620	A 49200
48-09-24			7370	210	A 4180	49-03-21			30000	450	A 36500
48-09-27			7640	190	A 3920	49-03-22			49500	1250	A 167000
48-09-30			6110	110	A 1810	49-03-23			72000	2590	A 503000
48-10-01			7130	150	A 2890	49-03-24			65000	1560	A 274000
48-10-04			7420	130	A 2600	49-03-25			53000	1190	A 170000
48-10-07			6000	80	A 1300	49-03-28			80000	2130	A 460000
48-10-08			6840	120	A 2220	49-03-29			75000	1590	A 322000
48-10-11			5730	80	A 1240	49-03-30			62000	1230	A 206000
48-10-14			4960	70	A 937	49-03-31			59000	1000	A 159000
48-10-18			6840	190	A 3510	49-04-01			55000	830	A 123000
48-10-21			4960	120	A 1610	49-04-02			46000	840	A 104000
48-10-22			5730	70	A 1080	49-04-04			55000	1250	A 186000
48-10-25			6280	180	A 3050	49-04-05			55000	3370	A 500000
48-10-28			4960	70	A 937	49-04-06			45000	3060	A 372000
48-10-30			6000	120	A 1940	49-04-07			41000	2320	A 257000
48-11-02			5470	80	A 1180	49-04-08			34800	1360	A 128000
48-11-04			4960	60	A 804	49-04-09			31800	1240	A 106000
48-11-08			24000	2880	A 187000	49-04-11			43900	1200	A 142000
48-11-09			18300	3380	A 167000	49-04-12			53900	1160	A 169000
48-11-12			11900	1760	A 56500	49-04-13			62500	1920	A 324000
48-11-16			8630	420	A 9790	49-04-14			53900	1570	A 228000
48-11-19			8320	290	A 6510	49-04-15			42500	1180	A 135000
48-11-26			6840	80	A 1480	49-04-16			40500	1120	A 122000
48-11-29			6000	90	A 1460	49-04-18			42500	1370	A 157000
48-12-02			6560	60	A 1060	49-04-19			31200	910	A 76700
48-12-03			8020	120	A 2600	49-04-20			24600	700	A 46500
48-12-06			12300	430	A 14300	49-04-21			22900	610	A 37700
48-12-09			8940	780	A 18800	49-04-22			20700	460	A 25700
48-12-10			9250	590	A 14700	49-04-25			17800	440	A 21100
48-12-14			7720	220	A 4590	49-04-28			25800	620	A 43200
48-12-17			15600	850	A 35800	49-04-29			24000	500	A 32400
48-12-20			10200	370	A 10200	49-04-30			22900	490	A 30300
48-12-22			7720	190	A 3960	49-05-02			144000	4310	A 1680000
48-12-23			7420	160	A 3210	49-05-03			139000	3770	A 1410000
48-12-27			8630	130	A 3030	49-05-04			105000	3380	A 958000
48-12-30			8320	100	A 2250	49-05-05			81000	2800	A 612000
48-12-31			9250	200	A 5000	49-05-06			69000	2010	A 374000
49-01-01			9250	160	A 4000	49-05-07			55500	2290	A 343000
49-01-05			6560	110	A 1950	49-05-09			53000	1880	A 269000
49-01-06			7130	700	A 13500	49-05-10			59000	3880	A 618000
49-01-08			8320	80	A 1800	49-05-11			56300	3350	A 509000
49-01-11			7130	80	A 1540	49-05-12			58000	2810	A 440000
49-01-14			10200	270	A 7440	49-05-13			52700	2930	A 417000
49-01-17			12300	350	A 11600	49-05-14			42700	3870	A 446000
49-01-19			29400	1320	A 105000	49-05-16			35300	2590	A 247000
49-01-20			48800	3300	A 435000	49-05-17			33900	2070	A 189000
49-01-21			60100	3810	A 618000	49-05-19			135000	5800	A 2110000
49-01-22			51700	3360	A 469000	49-05-20			259000	6200	A 4340000
49-01-24			56300	2420	A 368000	49-05-21			316000	4770	A 4070000
49-01-26			121000	3180	A 1040000	49-05-22			310000	5330	A 4460000
49-01-27			150000	3080	A 1250000	49-05-23			257000	4730	A 3280000
49-01-28			153000	3020	A 1250000	49-05-24			220000	5560	A 3300000
49-02-03			59000	1520	A 242000	49-05-25			216000	5710	A 3330000
49-02-04			59000	1100	A 175000	49-05-26			212000	3910	A 2240000
49-02-05			58000	1050	A 164000	49-05-27			199000	4040	A 2170000
49-02-07			53000	780	A 112000	49-05-28			199000	4400	A 2360000
49-02-08			65000	1240	A 218000	49-05-31			134000	3440	A 1240000
49-02-09			84000	3010	A 683000	49-06-01			114000	4110	A 1270000
49-02-10			98000	2570	A 680000	49-06-02			94000	2820	A 716000
49-02-11			113000	3940	A 1200000	49-06-03			75000	3080	A 624000
49-02-12			113000	3450	A 1050000	49-06-04			83000	3030	A 679000
49-02-14			142000	3000	A 1150000	49-06-06			82000	2950	A 653000
49-02-15			190000	5280	A 2710000	49-06-07			67000	2820	A 510000
49-02-16			203000	5470	A 3000000	49-06-08			75000	2490	A 504000
49-02-17			198000	4570	A 2440000	49-06-09			100000	3510	A 948000
49-02-18			162000	6390	A 2790000	49-06-10			108000	3700	A 1080000
49-02-19			151000	3750	A 1530000	49-06-14			167000	3410	A 1540000
49-02-21			144000	3250	A 1260000	49-06-15			170000	4420	A 2030000
49-02-22			148000	3070	A 1230000	49-06-16			153000	4560	A 1880000
49-02-23			142000	3350	A 1280000	49-06-17			128000	4060	A 1400000
49-02-24			124000	3140	A 1050000	49-06-18			117000	3440	A 1090000
49-02-25			114000	2170	A 668000	49-06-20			70000	3170	A 599000
49-02-26			113000	2700	A 824000	49-06-21			63000	2640	A 449000
49-02-28			70800	1920	A 367000	49-06-22			62000	2260	A 378000
49-03-01			55400	1540	A 230000	49-06-23			57000	1990	A 306000
49-03-02			54700	1640	A 242000	49-06-24			51700	1790	A 250000

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-06-25			50800	1550	A 213000	51-01-16			11300	460	A 14000
49-06-27			40600	1420	A 156000	51-01-18			10600	290	A 8300
49-06-28			35000	1480	A 140000	51-01-19			11700	340	A 10700
49-06-29			38700	1460	A 153000	51-01-23			7340	90	A 1780
49-06-30			46000	1950	A 242000	51-01-25			7340	120	A 2380
49-07-01			46500	1630	A 205000	51-01-26			7600	150	A 3080
49-07-02			38500	1710	A 178000	51-02-05			7080	160	A 3060
49-07-05			23300	1000	A 62900	51-02-08			8700	190	A 4460
49-07-06			22200	790	A 47400	51-02-09			8140	200	A 4400
49-07-07			19900	610	A 32800	51-02-12			8420	180	A 4090
49-07-08			22800	780	A 48000	51-02-16			34000	1320	A 121000
49-07-09			37100	1000	A 100000	51-02-19			69000	2630	A 490000
49-07-11			46500	1210	A 152000	51-02-20			101000	2080	A 567000
49-07-12			54800	1630	A 241000	51-02-21			160000	4330	A 1870000
49-07-13			56800	1640	A 252000	51-02-22			145000	3650	A 1430000
49-07-14			56600	1260	A 193000	51-02-23			126000	3220	A 1100000
49-07-15			60800	1270	A 208000	51-02-24			105000	2900	A 822000
49-07-16			58300	1430	A 225000	51-02-26			70000	2270	A 429000
49-07-18			45800	1100	A 136000	51-02-27			64200	1900	A 329000
49-07-19			40800	1120	A 123000	51-03-02			48600	1250	A 164000
49-07-20			37600	1180	A 120000	51-03-03			44400	1320	A 158000
49-07-21			30500	2420	A 199000	51-03-05			39400	1020	A 109000
49-07-22			25800	2160	A 150000	51-03-06			39400	1050	A 112000
49-07-23			24100	1750	A 114000	51-03-07			38600	1230	A 128000
49-07-25			19100	2100	A 108000	51-03-08			36200	800	A 78200
49-07-26			16700	1370	A 61800	51-03-09			34000	930	A 85400
49-07-28			21300	700	A 40300	51-03-12			65200	2060	A 363000
49-07-29			23500	680	A 43100	51-03-14			70000	2370	A 448000
49-07-30			24600	910	A 60400	51-03-15			53100	2030	A 291000
49-08-01			17800	520	A 25000	51-03-16			46000	1610	A 200000
49-08-04			20200	390	A 21300	51-03-17			43500	1520	A 179000
49-08-05			21800	420	A 24700	51-03-19			37000	1330	A 133000
49-08-06			21800	840	A 49400	51-03-20			32400	840	A 73500
49-08-08			17300	590	A 27600	51-03-21			27400	770	A 57000
49-08-10			12700	390	A 13400	51-03-22			24600	740	A 49200
49-08-11			13100	290	A 10300	51-03-23			22700	660	A 40500
49-08-16			11900	120	A 3860	51-03-26			17900	500	A 24200
49-08-19			11900	520	A 16700	51-03-27			16400	520	A 23000
49-08-22			11200	310	A 9370	51-04-02			10600	330	A 9440
49-08-24			8320	320	A 7190	51-04-04			7860	90	A 1910
49-08-26			8320	230	A 5170	51-04-06			9620	300	A 7790
49-08-29			7720	200	A 4170	51-04-09			12500	850	A 28700
49-09-01			5730	70	A 1080	51-04-12			31000	1300	A 109000
49-09-06			4960	70	A 937	51-04-13			29500	930	A 74100
49-09-09			8130	130	A 2850	51-04-14			28800	1190	A 92500
49-09-12			22400	2810	A 170000	51-04-16			26700	1020	A 73500
49-09-13			20200	2550	A 139000	51-04-17			23400	670	A 42300
49-09-14			19700	1790	A 95200	51-04-18			19600	740	A 39200
49-09-15			19200	1620	A 84000	51-04-19			16800	500	A 22700
49-09-16			20200	1970	A 107000	51-04-23			28800	800	A 62200
49-09-17			27600	1800	A 134000	51-04-24			30200	850	A 69300
49-09-19			29400	2200	A 175000	51-04-26			24000	730	A 47300
49-09-20			22900	2010	A 124000	51-04-28			20800	510	A 28600
49-09-21			22400	1410	A 85300	51-04-30			15900	340	A 14600
49-09-22			27000	1410	A 103000	51-05-02			21400	2820	A 163000
49-09-23			31200	1230	A 104000	51-05-04			61400	2690	A 446000
49-09-24			31800	1500	A 129000	51-05-05			92800	5200	A 1300000
49-09-26			18800	1160	A 58900	51-05-07			82000	3420	A 757000
49-09-27			16000	800	A 34600	51-05-08			71000	2860	A 548000
49-09-28			13500	510	A 18600	51-05-09			54900	2850	A 422000
49-09-30			12700	460	A 15800	51-05-10			47800	2340	A 302000
50-10-02			25300	940	A 64200	51-05-11			44400	1920	A 230000
50-10-03			26000	920	A 64600	51-05-14			37000	2490	A 249000
50-10-04			26000	1190	A 83500	51-05-15			37000	1610	A 161000
50-10-05			27400	1920	A 142000	51-05-16			37600	1220	A 124000
50-10-06			30200	1410	A 115000	51-05-17			33200	1640	A 147000
50-10-07			26000	1300	A 91300	51-05-18			30200	1440	A 117000
50-10-09			22700	900	A 55200	51-05-19			28800	1450	A 113000
50-10-10			21400	790	A 45600	51-05-21			129000	12000	A 4180000
50-10-11			21400	880	A 50800	51-05-22			162000	9660	A 4230000
50-10-13			22700	1340	A 82100	51-05-23			153000	8850	A 3660000
50-10-18			20800	570	A 32000	51-05-24			119000	5140	A 1650000
50-11-03			9300	510	A 12800	51-05-25			113000	5350	A 1630000
50-11-16			7340	200	A 3960	51-05-28			114000	3860	A 1190000
50-11-25			8140	130	A 2860	51-05-29			96400	3650	A 950000
50-11-28			6300	100	A 1700	51-05-30			81000	5230	A 1140000
50-12-01			7080	110	A 2100	51-05-31			69000	3790	A 706000
50-12-04			7080	130	A 2490	51-06-01			65200	4300	A 757000
50-12-11			6300	80	A 1360	51-06-02			58600	3870	A 612000
50-12-14			6060	230	A 3760	51-06-04			43500	2900	A 341000
50-12-21			6300	100	A 1700	51-06-05			37000	2180	A 218000
50-12-26			7080	120	A 2290	51-06-06			30200	2250	A 183000
50-12-27			6300	120	A 2040	51-06-08			33200	2440	A 219000
50-12-29			5220	130	A 1830	51-06-11			106000	4850	A 1390000
51-01-02			7080	130	A 2490	51-06-13			135000	7680	A 2800000
51-01-05			6300	90	A 1530	51-06-14			106000	5040	A 1440000
51-01-08			6300	100	A 1700	51-06-15			91600	4050	A 1000000
51-01-10			6180	290	A 4840	51-06-16			104000	4090	A 1150000
51-01-11			6820	120	A 2210	51-06-18			91600	3650	A 903000

\*\*\*\*\*  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

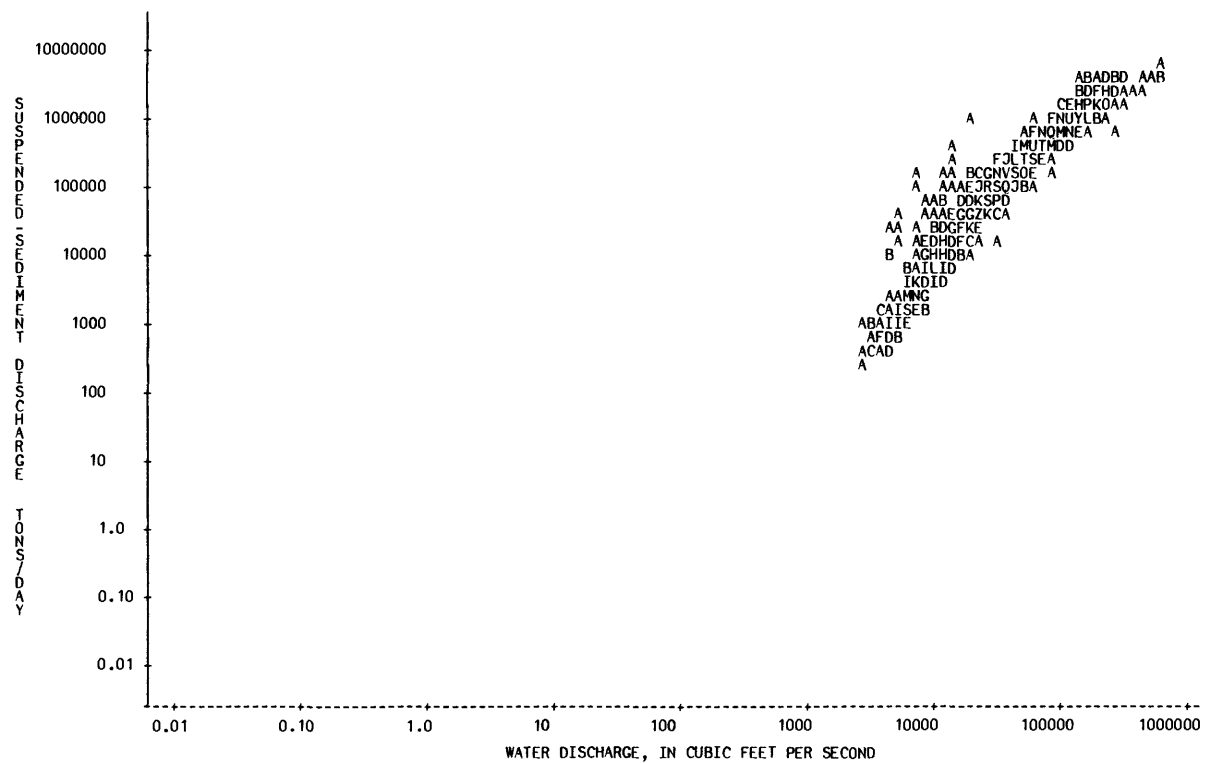
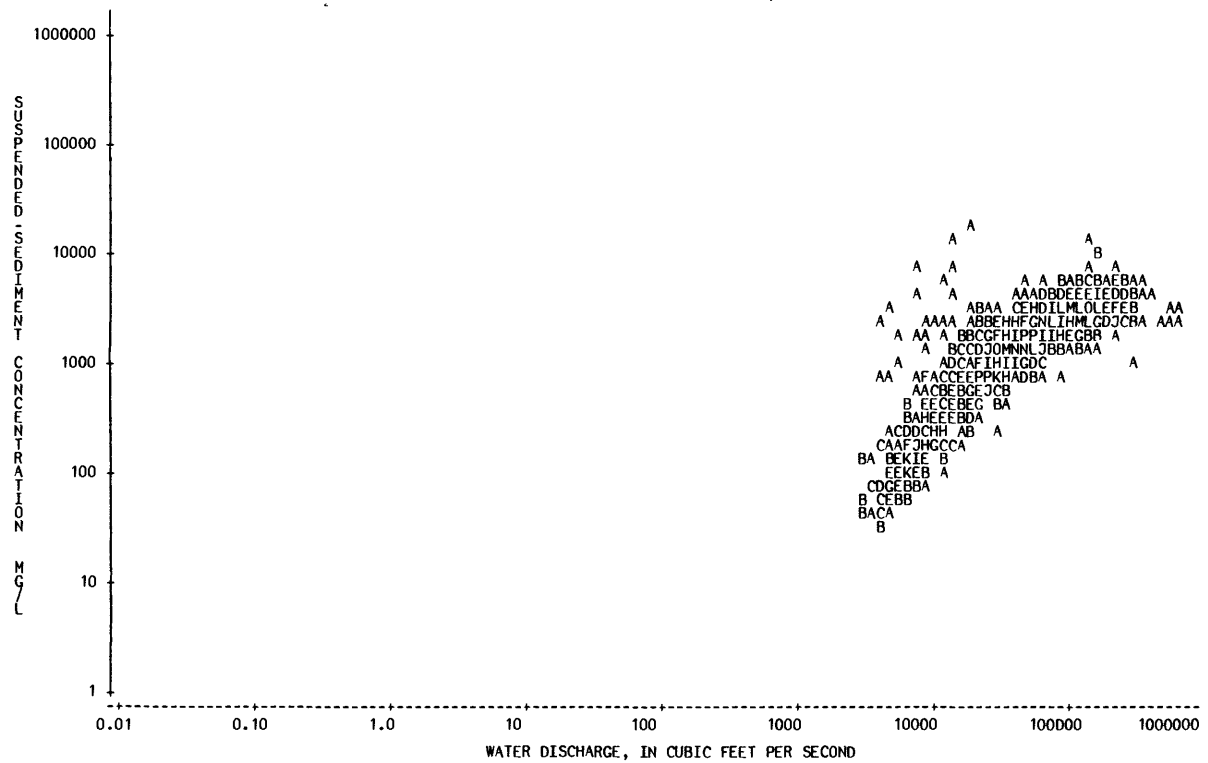
541

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
51-06-19			72000	3310	A 643000						
51-06-21			64200	2780	A 482000						
51-06-22			59500	2380	A 382000						
51-06-23			64200	2320	A 402000						
51-06-25			94000	3560	A 904000						
51-06-26			104000	3240	A 910000						
51-06-27			113000	3730	A 1140000						
51-06-29			140000	3550	A 1340000						
51-07-02			169000	3870	A 1770000						
51-07-03			207000	2950	A 1650000						
51-07-05			244000	3290	A 2170000						
51-07-06			247000	3910	A 2610000						
51-07-07			232000	2420	A 1520000						
51-07-09			191000	2940	A 1520000						
51-07-10			169000	2200	A 1000000						
51-07-11			156000	2680	A 1130000						
51-07-13			156000	2040	A 859000						
51-07-14			167000	2620	A 1180000						
51-07-15			167000	2310	A 1040000						
51-07-16			173000	2670	A 1250000						
51-07-17			207000	3400	A 1900000						
51-07-18			226000	2850	A 1740000						
51-07-19			235000	2220	A 1410000						
51-07-20			229000	2400	A 1480000						
51-07-21			207000	2300	A 1290000						
51-07-24			169000	2040	A 931000						
51-08-10			26700	620	A 44700						
51-08-22			17900	310	A 15000						
51-08-30			10600	470	A 13500						
51-09-12			73000	3380	A 666000						
51-09-17			114000	2930	A 902000						
51-09-24			35400	950	A 90800						
75-08-23			45900	1990	A 247000						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.



## ARKANSAS RIVER BASIN

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK.

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 (497.0km).

DRAINAGE AREA.--150,547 mi<sup>2</sup> (389,917 km<sup>2</sup>), of which 22,241 mi<sup>2</sup> (57,604 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1975-80.

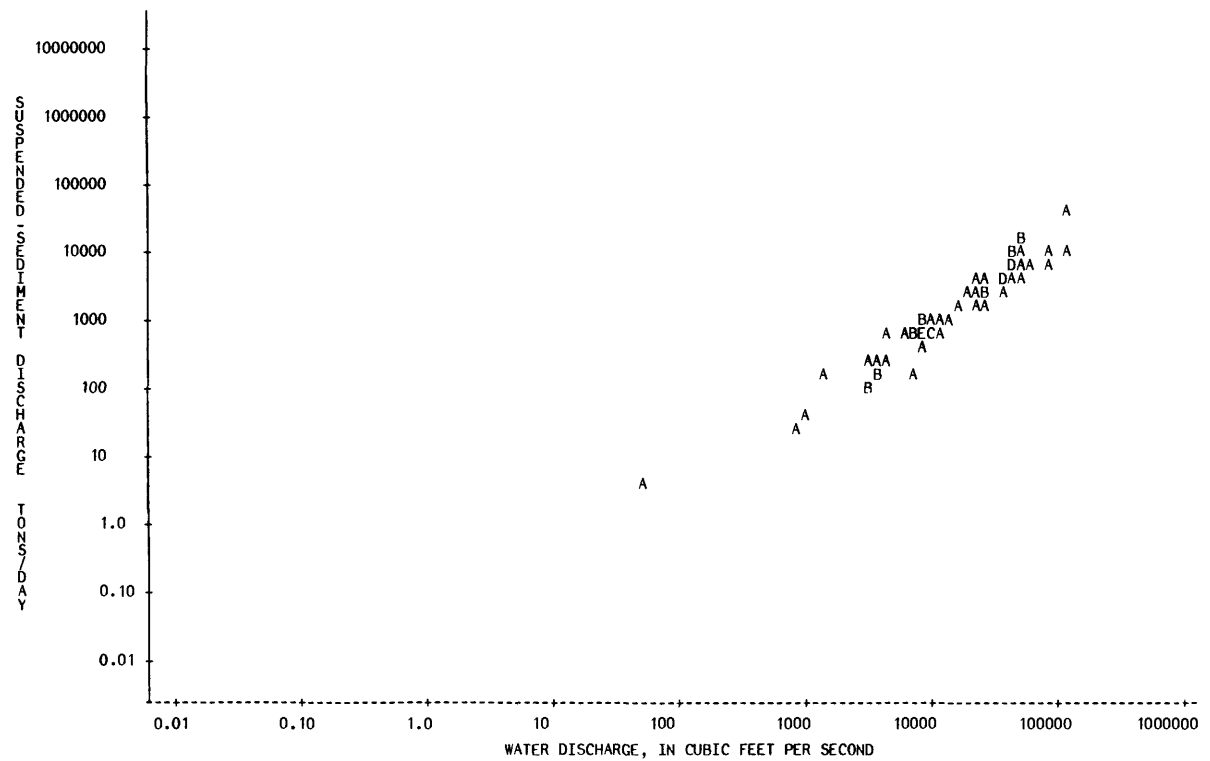
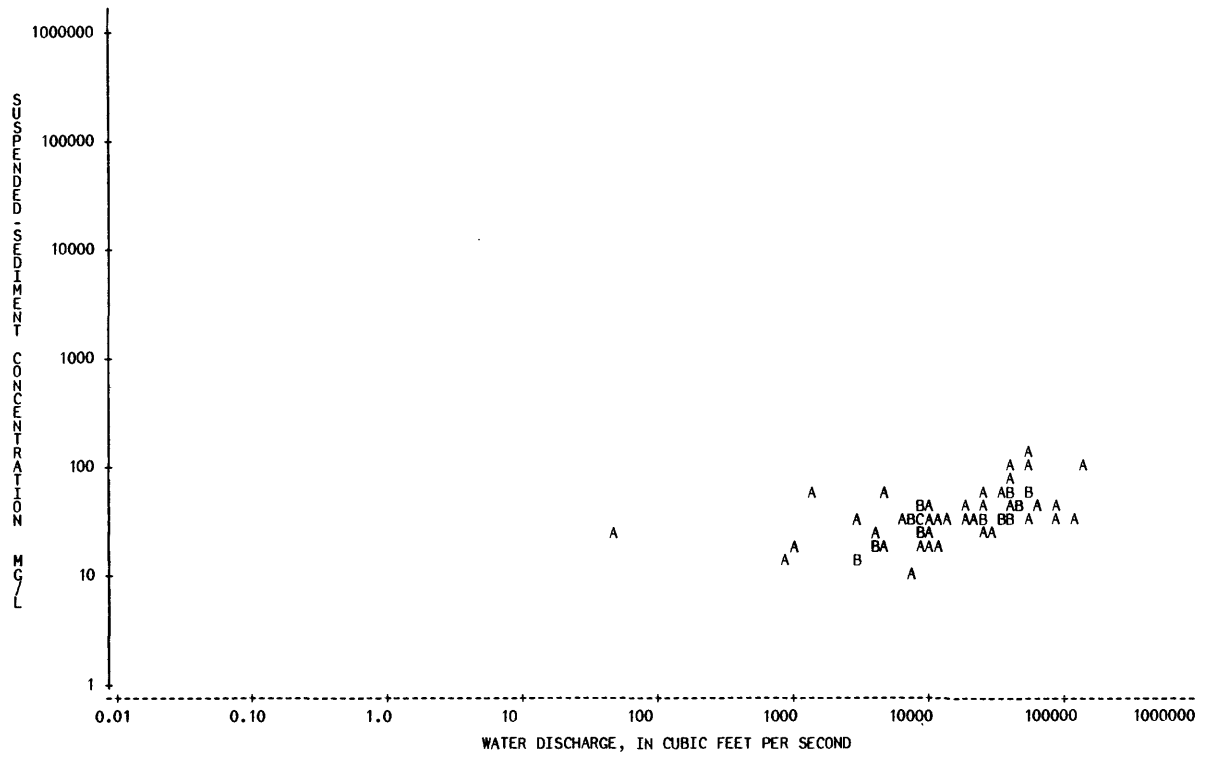
REMARKS.--Flow slightly to completely regulated by one or more major lakes and reservoirs since 1941. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-01-14	1000		54900	29	4300	79-10-31	0930		7820	28	591
75-02-13	1045		85600	28	6470	79-11-29	0830		41500	89	9970
75-03-04	0930		122000	28	9220	80-02-01	0900		25100	25	1690
75-04-03	1000		127000	101	34600	80-04-16	0830		37000	37	3700
75-05-06	0830		51200	64	8850	80-05-21	0845		42600	56	6440
75-06-04	1100		81900	42	9290	80-06-12	0830		8470	28	640
75-07-02	0900		36600	31	3060	80-07-08	0830		8930	18	434
75-08-20	0930		8900	26	625	80-07-30	0830		997	17	46
75-10-02	0830		9190	48	1190	80-09-03	1000		908	12	29
75-10-30	0945		9690	*	30						
75-11-26	0830		17700	*	36						
76-01-28	0930		3060	*	13						
76-02-19	0830		4600	*	17						
76-03-16	0900		24100	*	34						
76-04-08	1000		8650	*	30						
76-04-29	1015		50900	*	55						
76-06-09	0830		29200	*	27						
76-08-04	1000		22000	*	32						
76-09-01	0830		48	*	27						3.5
76-09-29	0930		9350	*	26						656
76-11-24	0930		7710		9						187
77-02-16	0900		12000		17						551
77-03-03	0930		3110		12						101
77-03-30	0900		55600	121	18200						
77-04-28	0930		3160	30	256						
77-05-27	0930		42200	57	6490						
77-06-23	0930		36100	36	3510						
77-07-20	0900		13700	28	1040						
77-08-18	1015		36100	50	4870						
77-09-09	0845		26200	29	2050						
77-09-30	0930		24600	55	3650						
77-10-19	0900		19400	44	2300						
77-11-16	0830		43600	45	5300						
77-12-16	0930		8200	28	620						
78-02-16	0830		42100	31	3520						
78-04-04	0815		62300	37	6220						
78-05-16	0900		42900	74	8570						
78-07-06	0900		4610	58	722						
78-08-01	0900		8330	44	990						
78-08-30	0830		3790	23	235						
78-09-20	0800		3990	17	183						
78-10-17	0845		3930	19	202						
78-11-15	1015		1370	51	189						
78-12-12	0900		9670	48	1250						
79-01-16	1000		10100	19	518						
79-03-02	0840		26300	48	3410						
79-04-03	0845		52900	105	15000						
79-05-01	0830		6350	36	617						
79-06-19	0900		45000	44	5350						
79-07-12	1000		38000	34	3490						
79-08-02	0845		11500	30	932						
79-09-05	0830		8180	25	552						
79-10-02	0830		7270	34	667						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK.



## RED RIVER BASIN

07298500 PRAIRIE DOG TOWN FORK RED RIVER NEAR BRICE, TEX.

LOCATION.--Lat 35°37'45", long 100°58'30", Brisco County, Hydrologic Unit 11120103, 1 mi (1.6 km) upstream from Byrnes (Battle) Creek, 3.4 mi (5.4 km) upstream from Mulberry Creek, and 7.5 mi (12 km) southwest of Brice.

DRAINAGE AREA.--5,972 mi<sup>2</sup> (15,467 km<sup>2</sup>), of which 4,479 mi<sup>2</sup> (11,601 km<sup>2</sup>) is probably noncontributing.

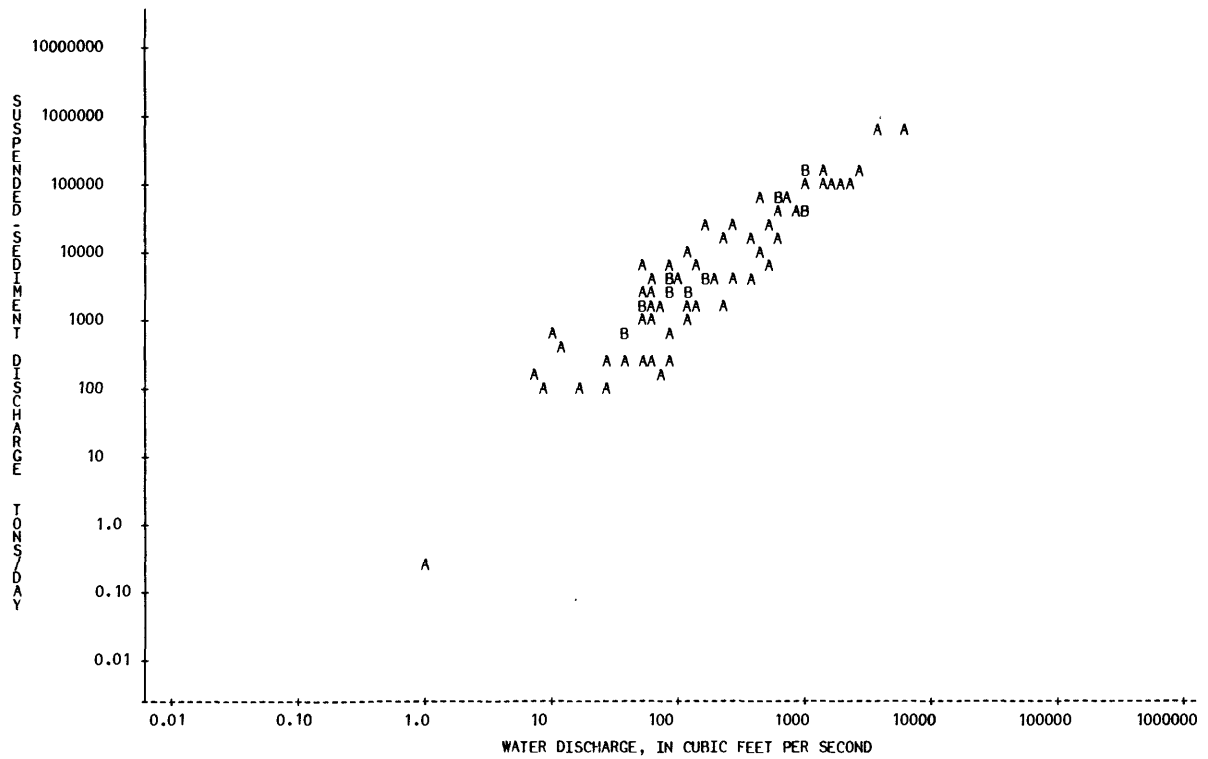
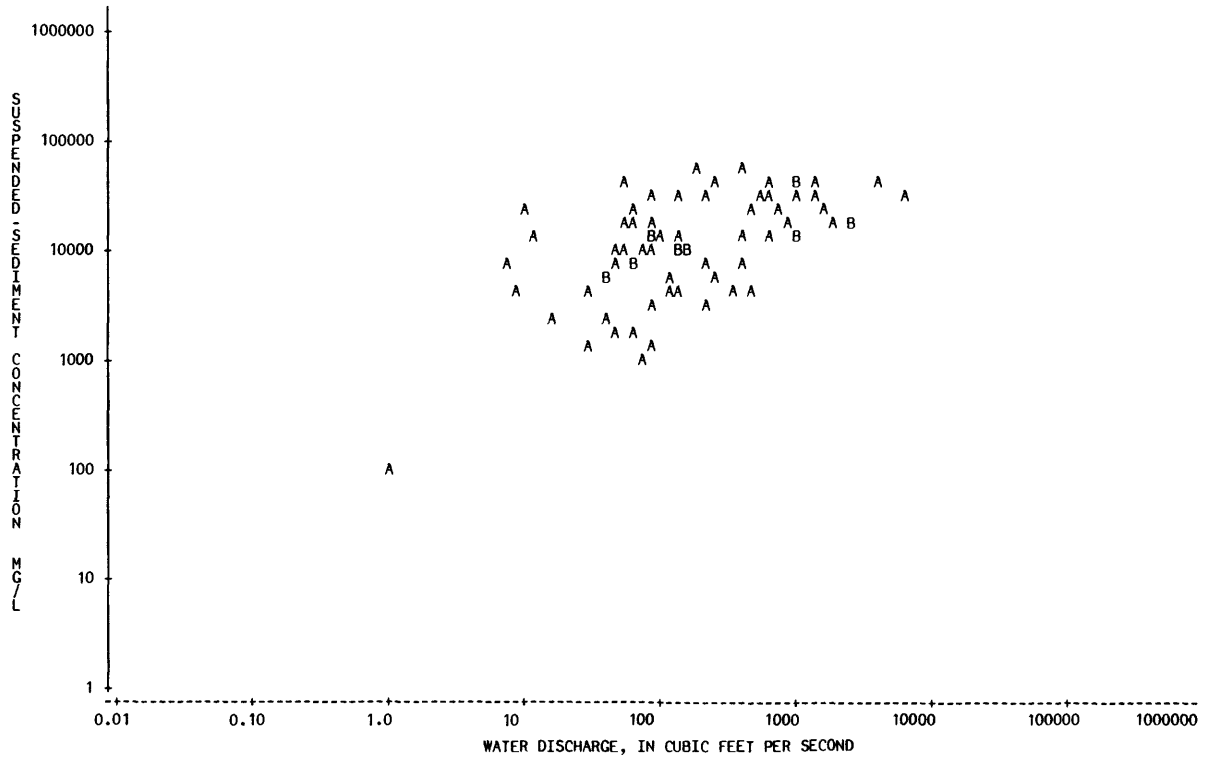
PERIOD OF RECORD.--Water years 1939-44.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-01-08			223	33100	A 19900	41-11-04			214	3200	A 1850
39-01-09			10.0	22400	A 605	41-11-10			80	1300	A 281
39-05-17			90	12700	A 3090	41-12-15			48	1700	A 220
39-05-25			64	18100	A 3130	42-04-10			62	1800	A 301
39-06-21			1010	48500	A 132000	42-04-16			255	5400	A 3720
39-06-22			1010	48200	A 131000	42-06-10			985	14900	A 39600
39-06-23			1010	12400	A 33800	42-07-23			7.0	7100	A 134
39-06-24			1010	36700	A 100000	42-08-11			1350	35400	A 129000
39-06-25			89	15600	A 3750	42-08-12			77	9100	A 1890
39-06-26			89	3000	A 721	42-09-02			60	7800	A 1260
39-06-27			89	14000	A 3360	42-10-03			1350	41100	A 150000
39-06-29			89	32300	A 7760	42-10-15			378	13300	A 13600
39-06-30			89	8800	A 2110	42-10-17			2720	18600	A 137000
39-07-01			127	28100	A 9640	42-10-19			486	4500	A 5900
39-07-02			127	9400	A 3220	43-06-15			40	2600	A 281
39-07-03			127	9300	A 3190	43-06-30			163	9500	A 4180
39-08-11			4030	47400	A 516000	44-05-11			763	26800	A 55200
39-08-12			152	9100	A 3730	44-05-12			108	14100	A 4110
39-08-14			49	11500	A 1520	44-05-27			9.0	3700	A 90
39-08-17			40	6500	A 702						
39-08-18			40	6000	A 648						
40-04-28			615	47500	A 78900						
40-04-29			54	9500	A 1390						
40-05-07			430	55700	A 64700						
40-05-08			597	30700	A 49500						
40-05-09			63	8600	A 1460						
40-05-23			49	8100	A 1070						
40-05-28			583	35300	A 55600						
40-05-29			114	4100	A 1260						
40-05-30			28	4200	A 318						
40-05-31			1.0	100	A 0.27						
40-06-09			349	4500	A 4240						
40-06-10			205	7700	A 4260						
40-06-20			178	54300	A 26100						
40-06-21			17	2200	A 101						
40-06-22			11	12400	A 368						
40-08-08			59	23300	A 3710						
40-08-17			487	21200	A 27900						
40-09-03			51	39500	A 5440						
40-09-05			854	16900	A 39000						
40-09-16			51	18200	A 2510						
40-10-31			248	44900	A 30100						
41-04-30			122	6200	A 2040						
41-05-21			28	1500	A 113						
41-06-14			1700	26200	A 120000						
41-08-09			138	4500	A 1680						
41-08-23			587	12900	A 20400						
41-09-17			1930	18200	A 94800						
41-10-01			137	14000	A 5180						
41-10-04			5970	36100	A 582000						
41-10-05			2400	17700	A 115000						
41-10-07			413	7700	A 8590						
41-10-11			72	1000	A 194						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07298500 PRAIRIE DOG TOWN FORK RED RIVER NEAR BRICE, TEX.



## RED RIVER BASIN

07299500 PRAIRIE DOG TOWN FORK RED RIVER NEAR ESTELLINE, TEX.

LOCATION.--Lat 34°35', long 100°36', Hall County, Hydrologic Unit 11120105, at bridge on U.S. Highway 287, 180 ft (54.9 m) upstream from Fort Worth and Denver City Railway bridge, 6.9 mi (11.1 km) upstream from Baylor Creek and 1.7 mi (2.7 km) northwest of Estelline.

DRAINAGE AREA.--7,293 mi<sup>2</sup> (18,889 km<sup>2</sup>), of which 4,769 mi<sup>2</sup> (12,352 km<sup>2</sup>) is noncontributing.

PERIOD OF RECORD.--Water years 1938-45.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-07-28			8.0	1000	A 22	39-08-11			2300	65200	A 405000
38-08-01			10.0	1500	A 40	39-08-12			995	26100	A 70100
38-09-05			1840	43300	A 215000	39-08-17			58	14700	A 2300
38-09-06			303	18000	A 14700	39-08-22			29	28400	A 2220
38-09-07			10.0	8100	A 219	40-04-11			20	3700	A 200
38-09-14			1040	20000	A 56200	40-04-12			8.0	6100	A 132
38-09-15			13	10800	A 379	40-04-28			1030	34700	A 96500
38-10-13			396	28400	A 30400	40-04-29			398	28300	A 30400
38-10-14			68	10100	A 1850	40-04-30			35	6500	A 614
39-01-08			1070	33200	A 95900	40-05-01			9.0	1400	A 34
39-01-09			614	28300	A 46900	40-05-07			3.0	400	A 3.2
39-01-10			68	14600	A 2680	40-05-08			465	41900	A 52600
39-01-11			33	4400	A 392	40-05-09			165	33100	A 14700
39-01-12			25	4200	A 283	40-05-23			32	8300	A 717
39-01-13			24	1900	A 123	40-05-24			18	4400	A 214
39-01-14			10.0	1100	A 30	40-05-28			862	30400	A 70800
39-01-15			5.0	500	A 6.8	40-06-09			1090	35600	A 105000
39-01-16			2.0	100	A 0.54	40-06-10			85	15600	A 3580
39-01-17			3.0	200	A 1.6	40-06-21			59	32600	A 5190
39-01-18			2.0	100	A 0.54	40-06-24			24	7400	A 480
39-01-19			2.0	200	A 1.1	40-08-09			634	13400	A 22900
39-01-21			2.0	200	A 1.1	40-08-10			11	6100	A 181
39-01-22			1.0	200	A 0.54	40-08-18			302	13100	A 10700
39-01-23			8.0	900	A 19	40-08-20			11	4400	A 131
39-01-24			8.0	300	A 6.5	40-09-05			4700	34500	A 438000
39-01-25			5.0	300	A 4.1	40-09-06			233	16100	A 10100
39-01-26			3.0	300	A 2.4	40-09-10			1.0	100	A 0.27
39-01-27			1.0	300	A 0.81	40-09-16			21	26600	A 1510
39-01-28			1.0	300	A 0.81	40-09-17			33	19900	A 1770
39-01-29			4.0	400	A 4.3	41-04-29			3480	29200	A 274000
39-01-30			1.0	300	A 0.81	41-04-30			1220	25300	A 83300
39-04-05			83	5200	A 1170	41-05-03			3640	20400	A 200000
39-04-06			33	5400	A 481	41-05-11			1640	26800	A 119000
39-05-16			38	21400	A 2200	41-05-20			716	18600	A 36000
39-05-20			82	57100	A 12600	41-05-21			560	11900	A 18000
39-05-25			215	64700	A 37600	41-05-27			174	6000	A 2820
39-05-26			86	19600	A 4550	41-06-06			3260	37900	A 334000
39-05-27			24	2100	A 136	41-06-13			780	660	A 1390
39-06-21			1900	42800	A 220000	41-06-15			9600	36900	A 956000
39-06-23			348	19300	A 18100	41-06-17			1370	10500	A 38800
39-06-24			583	8200	A 12900	41-06-30			509	10700	A 14700
39-06-25			532	24000	A 34500	41-07-01			4090	32100	A 354000
39-06-26			54	9200	A 1340	41-07-02			2120	11400	A 65300
39-06-27			235	19100	A 12100	41-08-09			124	12700	A 4250
39-06-28			184	11000	A 5460	41-08-10			283	13800	A 10500
39-06-29			33	5600	A 499	41-08-11			116	7400	A 2320
39-06-30			333	17900	A 16100	41-08-23			1600	23900	A 103000
39-07-01			10.0	12300	A 332	41-09-18			1170	9600	A 30300
39-07-02			445	25300	A 30400	41-10-01			1550	10600	A 44400
39-07-03			30	19300	A 1560	41-10-05			5670	32800	A 502000
39-07-29			32	6900	A 596	41-10-07			1250	13200	A 44600
39-08-03			51	4800	A 661	41-10-08			382	9100	A 9390
39-08-04			5.0	400	A 5.4	41-10-20			44	800	A 95

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

D729950D PRAIRIE DOG TOWN FORK RED RIVER NEAR ESTELLINE, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-10-30			978	11800	A 31200						
41-11-04			210	2200	A 1250						
41-11-10			91	1700	A 418						
41-12-14			208	2500	A 1400						
42-04-10			532	3600	A 5170						
42-04-15			35	300	A 28						
42-04-23			226	2400	A 1460						
42-06-10			690	21400	A 39900						
42-08-11			914	39100	A 96500						
42-08-12			263	23000	A 16300						
42-08-27			58	4500	A 705						
42-09-21			60	6000	A 972						
42-10-04			784	29400	A 62200						
42-10-05			64	12200	A 2110						
42-10-14			63	31500	A 5360						
42-10-15			677	31700	A 57900						
42-10-16			268	10800	A 7810						
42-10-17			11600	21500	A 673000						
42-10-18			1670	9900	A 44600						
42-10-20			587	3200	A 5070						
43-05-10			1340	7300	A 26400						
43-05-11			789	5500	A 11700						
43-06-15			395	14400	A 15400						
43-06-30			642	9900	A 17200						
43-07-02			655	3300	A 5840						
43-07-03			3170	16100	A 138000						
44-05-11			120	72600	A 23500						
44-05-12			214	21500	A 12400						
44-06-01			1140	14400	A 44300						
44-06-02			352	11900	A 11300						
44-06-13			1090	16200	A 47700						
44-06-29			711	32200	A 61800						
44-07-03			89	12700	A 3050						
44-09-12			26	3800	A 267						
44-09-28			392	32100	A 34000						
44-10-16			9.0	16300	A 396						
44-12-06			153	48	A 20						

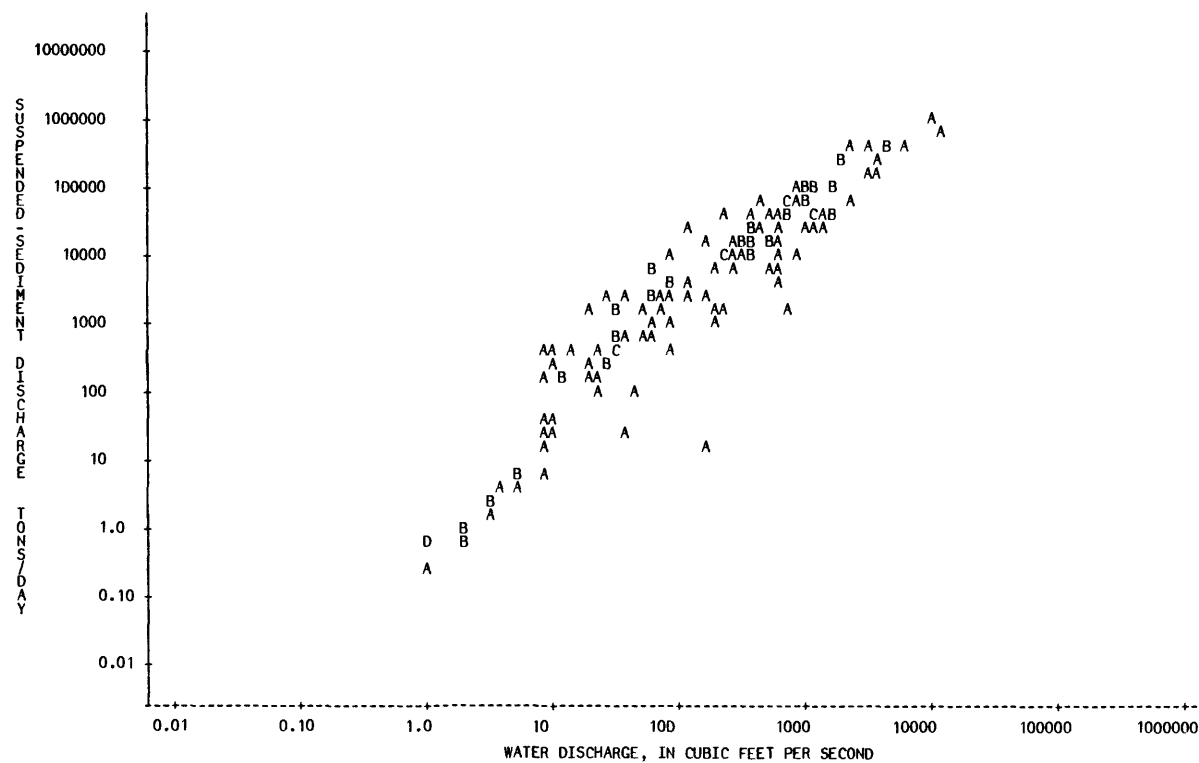
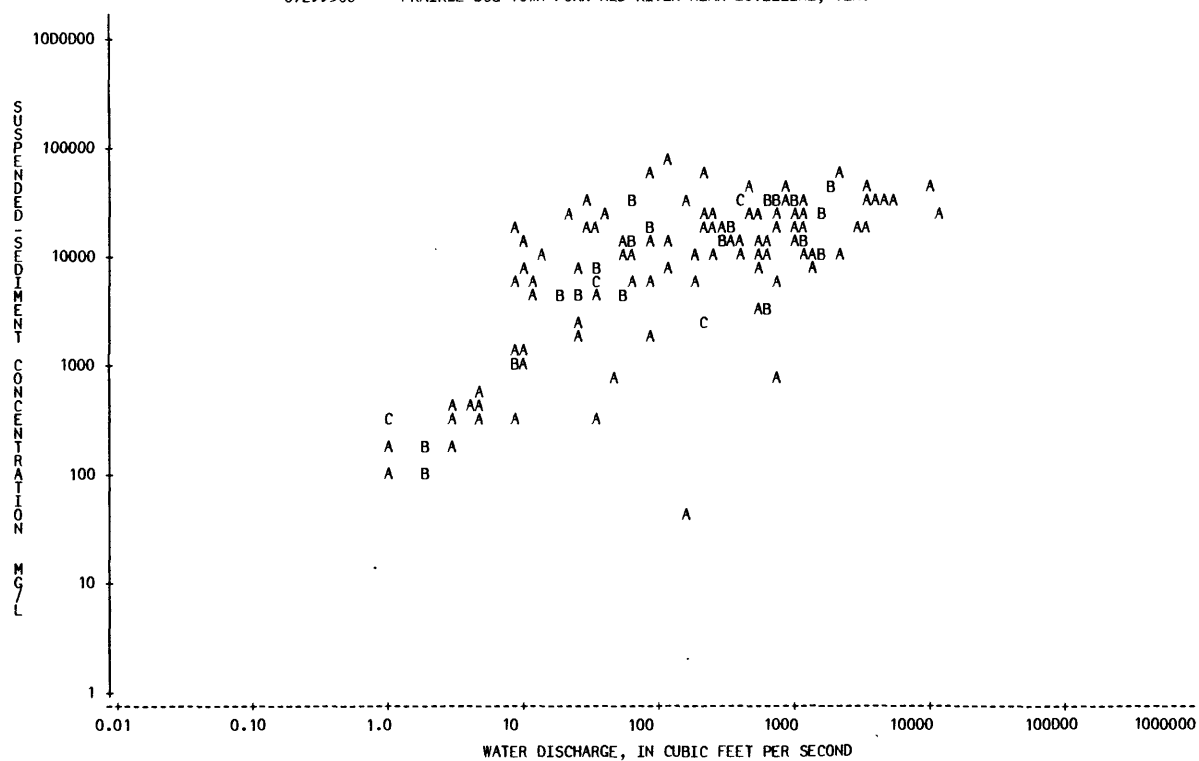
\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07299500

PRAIRIE DOG TOWN FORK RED RIVER NEAR ESTELLINE, TEX.



## RED RIVER BASIN

07299570 RED RIVER NEAR QUANAH, TEX.

LOCATION.--Lat 34°24'47", long 99°44'03", Hardeman County, Hydrologic Unit 11130101, on right bank at downstream side of bridge on State Highway 6, 8 mi (13 km) north of Quanah, 30 mi (48 km) upstream from Salt Fork Red River, and at mile 1,030 (1,657 km).

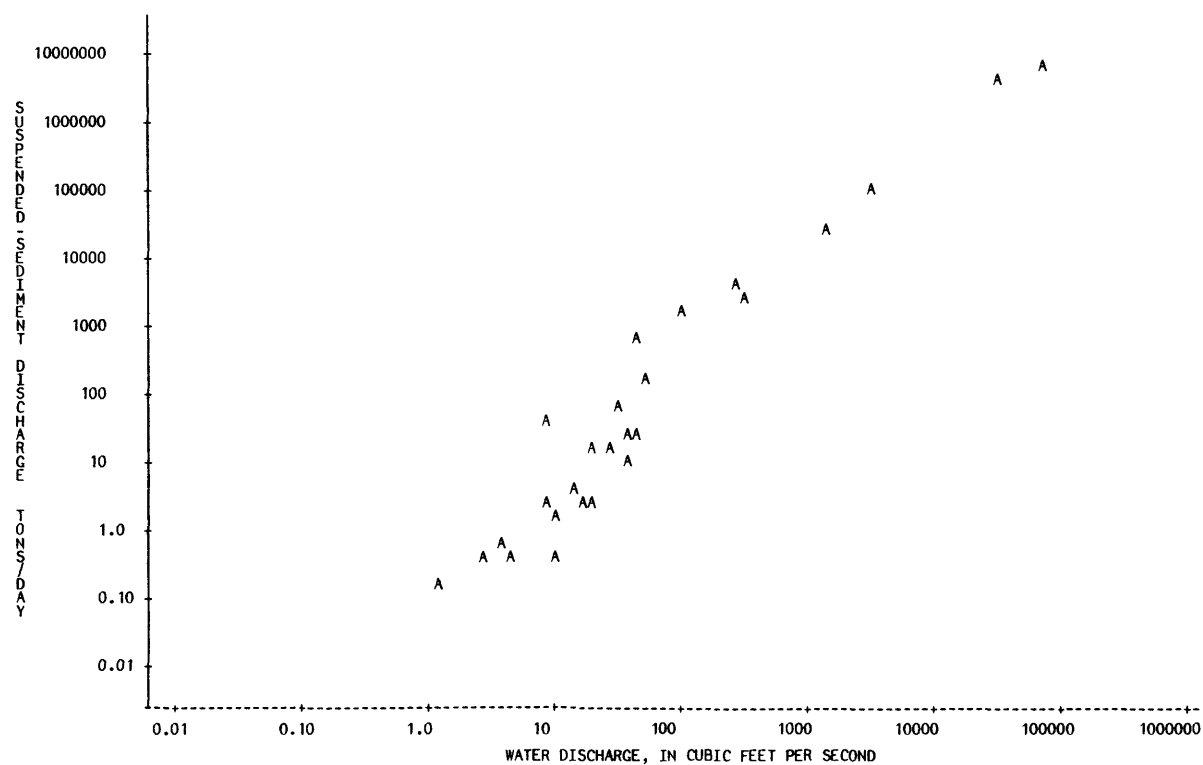
DRAINAGE AREA.--8,321 mi<sup>2</sup> (21,551 km<sup>2</sup>), of which 4,769 mi<sup>2</sup> (12,352 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1978-80.

REMARKS.--Several small diversions above station for irrigation. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-05-08		1830	14	125	4.7						
78-05-28		1330	68000	38600	7090000						
78-05-28		2055	32600	37900	3340000						
78-06-06		1040	2940	12200	96800						
78-06-29		0920	15	59	2.5						
78-07-19		1525	2.6	69	0.48						
78-08-29		1040	8.8	1850	44						
78-10-11		1320	10.0	65	1.8						
78-11-21		1350	25	211	14						
79-01-03		1450	4.1	30	0.33						
79-02-13		1120	37	113	11						
79-04-19		1345	276	5390	4020						
79-05-22		1450	1380	6830	25400						
79-05-30		1450	42	227	26						
79-06-19		1655	37	224	22						
79-08-01		1635	48	1250	162						
79-09-11		1005	20	377	20						
79-10-03		1135	1.3	42	0.15						
79-11-14		1635	8.9	112	2.7						
79-12-27		1220	9.6	16	0.41						
80-02-05		1245	18	50	2.4						
80-03-20		0945	3.8	65	0.67						
80-04-29		1135	46	5310	660						
80-05-21		1155	298	3600	2900						
80-06-10		1025	32	689	60						
80-06-10		1430	99	5360	1430						
80-07-22		0820	0.05	14	0.00						
80-09-02		1045	0.05	14	0.00						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07300500 SALT FORK RED RIVER AT MANGUM, OKLA.

LOCATION.--Lat 34°51'32", long 99°30'28", in SW 1/4 SE 1/4 sec.34. T.5 N, R.22 W., Greer County, Hydrologic Unit 11120202, near left bank on downstream side of pier of bridge on Stage Highway 34, 0.5 mi (0.8 km) south of Mangum, 13.0 mi (20.9 km) downstream from Fish Creek, and at mile 35.5 (57.1 km).

DRAINAGE AREA.--1,566 mi<sup>2</sup> (4,056 km<sup>2</sup>) of which 209 mi<sup>2</sup> (541 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1939-47, 1950, 1954-56, 1963, 1965-70, 1972, 1974-75.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-10-01			1.0	200	A 0.54	39-01-10	1530		250	6600	A 4450
38-10-10			1.0	200	A 0.54	39-01-10	1730		238	6800	A 4370
38-10-11	1425		6.0	200	A 3.2	39-01-11			200	3300	A 1780
38-10-11	1830		5.0	100	A 1.4	39-01-12			90	2000	A 486
38-10-12			68	800	A 147	39-01-13			80	1800	A 389
38-10-13			68	800	A 147	39-01-14			70	1300	A 246
38-10-14			57	900	A 139	39-01-15			60	1000	A 162
38-10-15			80	1300	A 281	39-01-16			60	600	A 97
38-10-16			52	700	A 98	39-01-17	0730		70	1400	A 265
38-10-17	0730		22	200	A 12	39-01-17	1630		60	1100	A 178
38-10-20			1.0	200	A 0.54	39-01-18			62	800	A 134
38-10-21			1.0	200	A 0.54	39-01-19			50	500	A 67
38-10-22			1.0	300	A 0.81	39-01-20			70	800	A 151
38-11-03	0700		360	7200	A 7000	39-01-21			70	700	A 132
38-11-03	1507		82	4500	A 996	39-01-22			48	400	A 52
38-11-04			11	700	A 21	39-01-24			70	800	A 151
38-11-05			15	500	A 20	39-01-25	1550		57	1000	A 154
38-11-06			5.0	300	A 4.1	39-01-25	1630		57	800	A 123
38-11-07			4.0	200	A 2.2	39-01-26			45	500	A 61
38-11-08			3.0	100	A 0.81	39-01-27			50	800	A 108
38-11-09			3.0	100	A 0.81	39-01-28			45	600	A 73
38-11-10			3.0	100	A 0.81	39-01-29			60	900	A 146
38-11-11			2.0	100	A 0.54	39-01-30			57	500	A 77
38-11-12			2.0	100	A 0.54	39-01-31			56	400	A 60
38-11-13			2.0	100	A 0.54	39-02-01	1130		55	500	A 74
38-11-14			1.0	100	A 0.27	39-02-01	1344		54	600	A 87
38-11-15			2.0	100	A 0.54	39-02-02			53	600	A 86
38-11-22			1.0	100	A 0.27	39-02-03			51	900	A 124
38-11-23			1.0	100	A 0.27	39-02-04			45	400	A 49
38-11-24			1.0	100	A 0.27	39-02-05			35	500	A 47
38-11-25			1.0	100	A 0.27	39-02-06			25	400	A 27
38-11-26			1.0	300	A 0.81	39-02-07			22	600	A 36
38-11-27			1.0	100	A 0.27	39-02-08			45	500	A 61
38-11-28			1.0	200	A 0.54	39-02-09			25	400	A 27
38-11-29			1.0	100	A 0.27	39-02-10			22	300	A 18
38-11-30			4.0	100	A 1.1	39-02-11			12	300	A 9.7
38-12-01			4.0	100	A 1.1	39-02-12			20	400	A 22
38-12-02			5.0	100	A 1.4	39-02-13			18	300	A 15
38-12-03			6.0	100	A 1.6	39-02-14			19	300	A 15
38-12-04			6.0	100	A 1.6	39-02-15			15	100	A 4.0
38-12-05			6.0	100	A 1.6	39-02-16			14	400	A 15
38-12-06			6.0	100	A 1.6	39-02-17			23	200	A 12
38-12-07			6.0	100	A 1.6	39-02-18			18	200	A 9.7
39-01-08	1600	2700		16400	A 120000	39-02-19			22	200	A 12
39-01-08	1700	2750		14900	A 111000	39-02-20			22	200	A 12
39-01-08	1800	3000		15100	A 122000	39-02-21			19	200	A 10
39-01-09	0800	2400		25100	A 163000	39-02-22			24	300	A 19
39-01-09	1100	1620		19700	A 86200	39-02-23			11	200	A 5.9
39-01-09	1130	1620		22500	A 98400	39-02-24			32	400	A 35
39-01-09	1530	940		16700	A 42400	39-02-25			18	300	A 15
39-01-09	1730	685		12700	A 23500	39-02-26			13	200	A 7.0
39-01-10	0800	280		9500	A 7180	39-02-27			14	800	A 30
39-01-10	1130	280		7900	A 5970	39-02-28			26	200	A 14

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07300500 SALT FORK RED RIVER AT MANGUM, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-03-01	1342	20	300	A	16	40-09-04			36	700	A 68
39-03-01	1800	24	100	A	6.5	40-09-25			15	500	A 20
39-03-02		18	1200	A	58	40-11-25			765	7100	A 14700
39-03-03		18	500	A	24	40-11-26			100	2000	A 540
39-03-04		15	100	A	4.0	40-11-27			70	2400	A 454
39-03-05		14	100	A	3.8	40-11-28			46	1500	A 186
39-03-06		13	500	A	18	41-04-30			1690	22600	A 103000
39-03-07		13	100	A	3.5	41-05-22			1910	14300	A 73700
39-03-25		11	200	A	5.9	41-06-06			6600	24200	A 431000
39-03-26		112	7600	A	2300	41-06-30			1450	13400	A 52500
39-03-27		153	7200	A	2970	42-08-08			222	5900	A 3540
39-03-27	1440	134	5900	A	2130	42-08-25		8.0	400	A	8.6
39-03-27	1600	134	4300	A	1560	42-09-21		45	800	A	97
39-03-28	0730	77	2700	A	561	43-04-09		35	200	A	19
39-03-28	1130	80	1800	A	389	43-04-11		1160	2200	A	6890
39-03-28	1615	182	7800	A	3830	43-04-15		37	300	A	30
39-03-29	0730	100	2500	A	675	43-05-10		207	9900	A	5530
39-03-29	1130	100	2700	A	729	43-12-11		234	2800	A	1770
39-03-29	1800	78	900	A	190	44-01-04		155	1700	A	711
39-03-30		46	600	A	75	44-03-16		635	8200	A	14100
39-03-31		40	400	A	43	44-04-20		24	600	A	39
39-04-01		46	5300	A	658	44-05-29		110	1300	A	386
39-04-02		20	400	A	22	44-05-31		52	1000	A	140
39-04-03		15	400	A	16	44-06-01		6780	27000	A	494000
39-04-04		12	400	A	13	44-06-02		1290	13000	A	45300
39-04-05		12	400	A	13	44-06-03		198	4200	A	2250
39-04-06	1136	11	300	A	8.9	44-06-14	0930	949	4900	A	12600
39-04-06	1800	10.0	400	A	11	44-06-14	1210	2200	12700	A	75400
39-04-07	1130	108	3900	A	1140	44-07-15		139	4200	A	1580
39-04-07	1800	106	3800	A	1090	44-07-21		96	2600	A	674
39-04-08		108	2700	A	787	44-08-21		7.0	700	A	13
39-04-09		46	1000	A	124	44-11-07		35	700	A	66
39-04-10		25	1000	A	67	44-11-11		31	100	A	8.4
39-04-11		56	1300	A	197	44-11-22		32	300	A	26
39-04-12		20	400	A	22	44-11-25		39	300	A	32
39-04-13		26	200	A	14	44-12-05		880	15000	A	35600
39-04-14		18	700	A	34	44-12-07		131	2900	A	1030
39-05-03		62	1500	A	251	44-12-16		49	500	A	66
39-05-04	1100	68	1800	A	330	44-12-20		38	300	A	31
39-05-04	1330	54	1800	A	262	44-12-30		127	2700	A	926
39-05-05		20	600	A	32	45-01-06		46	400	A	50
39-05-06		42	1700	A	193	45-01-13		34	200	A	18
39-05-07	1400	48	2800	A	363	45-01-20		128	2400	A	829
39-05-07	1730	1800	12900	A	62700	45-02-24		64	600	A	104
39-05-08		56	3100	A	469	45-02-28		78	800	A	168
39-05-09		46	1500	A	186	45-03-15		407	8300	A	9120
39-05-10		25	1100	A	74	45-04-17		132	1900	A	677
39-05-17	0700	75	3600	A	729	45-04-25		198	4300	A	2300
39-05-17	1800	46	1900	A	236	45-05-12		23	200	A	12
39-05-18		44	1300	A	154	45-06-06		169	4700	A	2140
39-05-20		46	1000	A	124	45-06-13		443	14200	A	17000
39-05-21		46	1500	A	186	45-06-19		21	200	A	11
39-05-25		121	10500	A	3430	45-06-21		142	3000	A	1150
39-05-26	0730	4000	20900	A	226000	45-07-10		2470	11500	A	76700
39-05-26	1415	1060	15100	A	43200	45-07-11		291	7700	A	6050
39-05-26	1730	870	9200	A	21600	45-07-13		479	8800	A	11400
39-05-26	1930	854	11700	A	27000	45-08-17		24	900	A	58
39-05-28		460	600	A	745	46-01-23		55	1200	A	178
39-06-15		505	11200	A	15300	46-01-29		22	400	A	24
39-06-21	0745	2500	14800	A	99900	46-02-19		265	3700	A	2650
39-06-21	1115	2190	15100	A	89300	46-02-20		98	2200	A	582
39-06-21	1730	15400	48300	A	2010000	46-03-28		90	900	A	219
39-06-22	0830	4330	32800	A	383000	46-03-30		82	600	A	133
39-06-22	1300	2700	26000	A	190000	46-04-23		27	700	A	51
39-06-22	1730	7400	43000	A	859000	46-04-29	1000	545	8600	A	12700
39-06-22	1800	6380	34600	A	596000	46-04-29	1800	166	4300	A	1930
39-06-23	0830	2300	27300	A	170000	46-05-01		57	600	A	92
39-06-23	1710	1230	21200	A	70400	46-05-07		49	1800	A	238
39-06-24	0400	360	10400	A	10100	46-05-15		26	700	A	49
39-06-24	1800	180	7500	A	3640	46-09-03		150	9300	A	3770
39-06-25		560	11600	A	17500	46-09-14		107	3500	A	1010
39-06-26		66	6000	A	1070	46-09-16		36	1300	A	126
39-06-27		20	4200	A	227	46-11-07		88	700	A	166
39-06-28		1.0	3800	A	10	46-12-12		110	800	A	238
39-06-29		20	3600	A	194	47-01-13		125	2500	A	844
39-07-02		20	2100	A	113	47-06-22		5540	28300	A	423000
39-07-05		5.0	2300	A	31	50-07-05		649	9400	A	16500
39-08-03		30	17500	A	1420	50-09-06		511	5500	A	7590
39-08-08	0845	22	4400	A	261	50-09-11		4450	20300	A	244000
39-08-08	1750	9.0	3400	A	83	53-10-23		2430	9880	A	64800
39-08-09		2.0	1500	A	8.1	54-05-26		412	4160	A	4630
39-08-10		2.0	1400	A	7.6	55-05-10		510	12300	A	16900
39-08-11		2.0	1600	A	8.6	55-05-11		592	5320	A	8500
39-10-09	393	7800	A	8280		55-06-03		7060	24800	A	473000
40-02-06		80	300	A	65	56-05-31		406	6180	A	6770
40-07-12		46	1300	A	161	62-12-05		111	1780	A	533
40-08-10		94	8800	A	2230	63-01-02		54	780	A	114
40-08-18		1062	16900	A	48500	63-02-06		54	1130	A	165
40-08-19		186	7800	A	3920	63-03-07		73	770	A	152

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

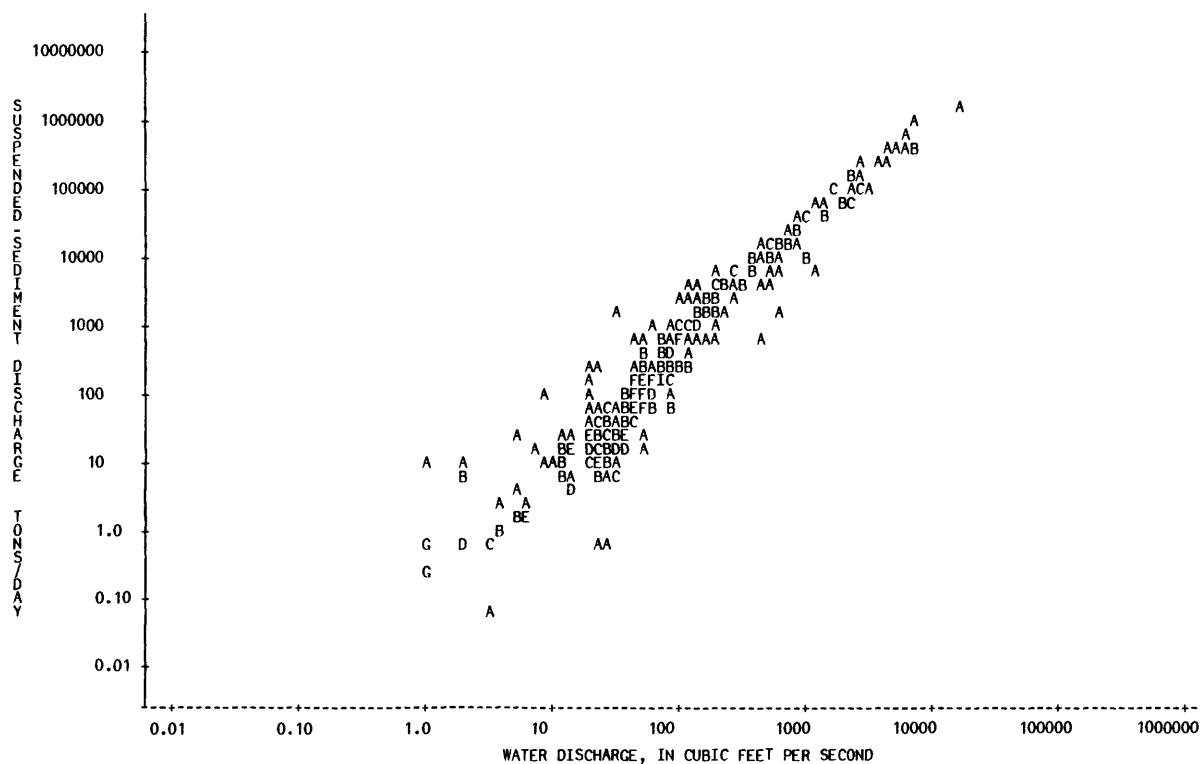
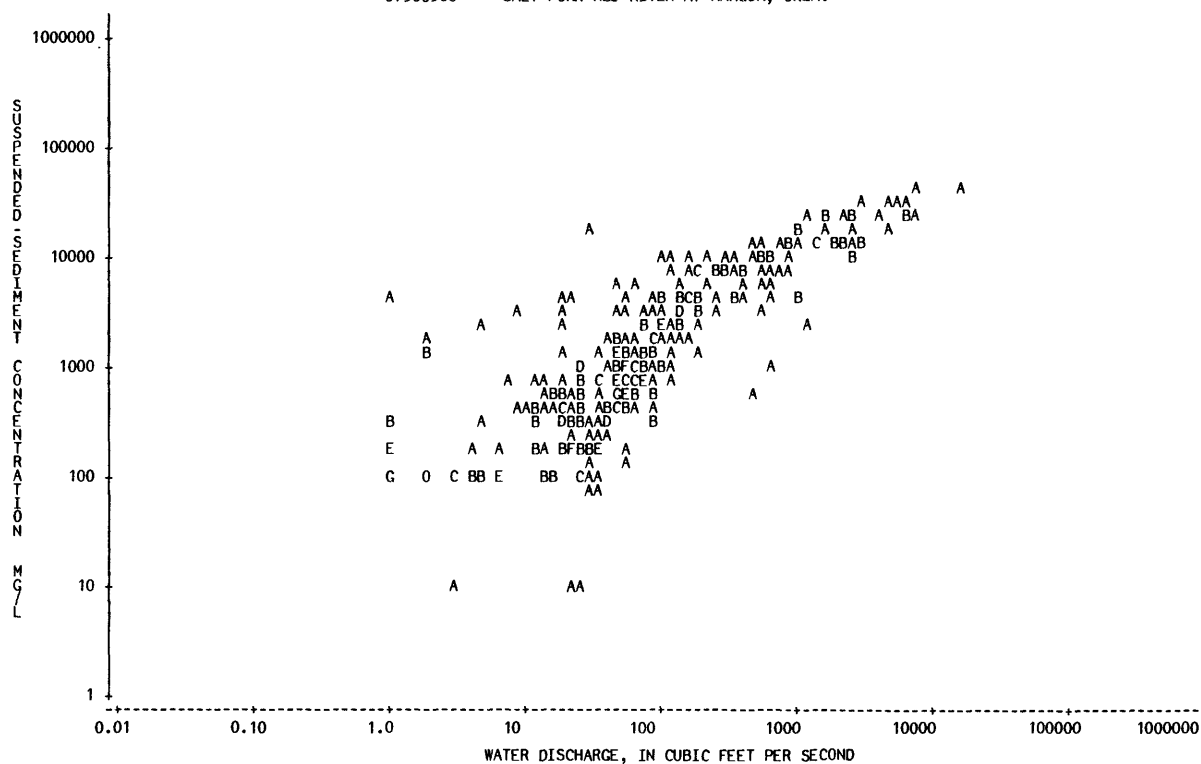
## RED RIVER BASIN

07300500 SALT FORK RED RIVER AT MANGUM, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-06-04			321	3980	A	3450					
63-06-18			70	1010	A	191					
64-12-22			187	3230	A	1630					
65-01-12			86	1550	A	360					
65-01-26			23	10	A	0.62					
65-04-16			130	3290	A	1150					
65-06-11			97	1100	A	288					
65-06-16			681	10700	A	19700					
65-06-23			46	560	A	70					
65-06-26			1300	13600	A	47700					
65-06-30			85	3490	A	801					
65-10-05			31	300	A	25					
65-10-15			3.0	10	A	0.08					
65-10-19			854	7120	A	16400					
65-11-04			30	80	A	6.5					
65-11-18			26	10	A	0.70					
65-11-30			25	100	A	6.7					
65-12-14			51	130	A	18					
65-12-28			55	880	A	131					
66-01-10			37	300	A	30					
66-01-25			36	170	A	17					
66-02-08			190	2100	A	1080					
66-02-24			106	1090	A	312					
66-08-31			26	970	A	68					
66-09-27			24	580	A	38					
67-01-24			35	170	A	16					
67-02-14			24	100	A	6.5					
67-03-21			34	80	A	7.3					
67-05-09			25	320	A	22					
67-06-27			40	940	A	102					
68-01-24			140	3350	A	1270					
68-03-12			59	380	A	61					
68-03-25			37	210	A	21					
68-05-15			522	3270	A	4610					
68-05-28			44	830	A	99					
68-06-12			160	4110	A	1780					
68-07-16			600	4550	A	7370					
68-08-21			600	960	A	1560					
68-10-14			31	210	A	18					
68-12-10			31	180	A	15					
69-01-08			43	410	A	48					
69-01-27			46	860	A	107					
69-03-12			55	410	A	61					
69-03-26			190	1260	A	646					
69-04-16			28	160	A	12					
69-05-01			35	210	A	20					
69-05-05			322	3850	A	3350					
69-05-27			32	190	A	16					
69-12-08			83	600	A	134					
70-01-16			23	340	A	21					
70-02-16			23	230	A	14					
70-03-10			54	200	A	29					
70-03-25			32	90	A	7.8					
70-04-09			28	120	A	9.1					
70-04-23			44	740	A	88					
72-05-09			33	670	A	60					
72-06-14			940	4860	A	12300					
74-05-21			2760	31400	A	234000					
74-10-16			88	400	A	95					
75-02-11			82	360	A	80					
75-04-09			114	970	A	299					
75-07-30			53	4080	A	584					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USOA, AGRICULTURE RESEARCH SERVICE

07300500 SALT FORK RED RIVER AT MANGUM, OKLA.



## RED RIVER BASIN

07301110 SALT FORK RED RIVER NEAR ELMER, OKLA.

LOCATION.--Lat 34°28'44", long 99°22'55", in NW 1/4 NE 1/4 sec.15, T.1 S., R.21 W., Jackson County, Hydrologic Unit 11120202, on right bank at bridge on State Highway 5, 1.7 mi (2.7 km) west of Elmer, and at mile 3.5 (5.6 km).

DRAINAGE AREA.--1,878 mi<sup>2</sup> (4,864 km<sup>2</sup>), of which 209 mi<sup>2</sup> (541 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1978-80.

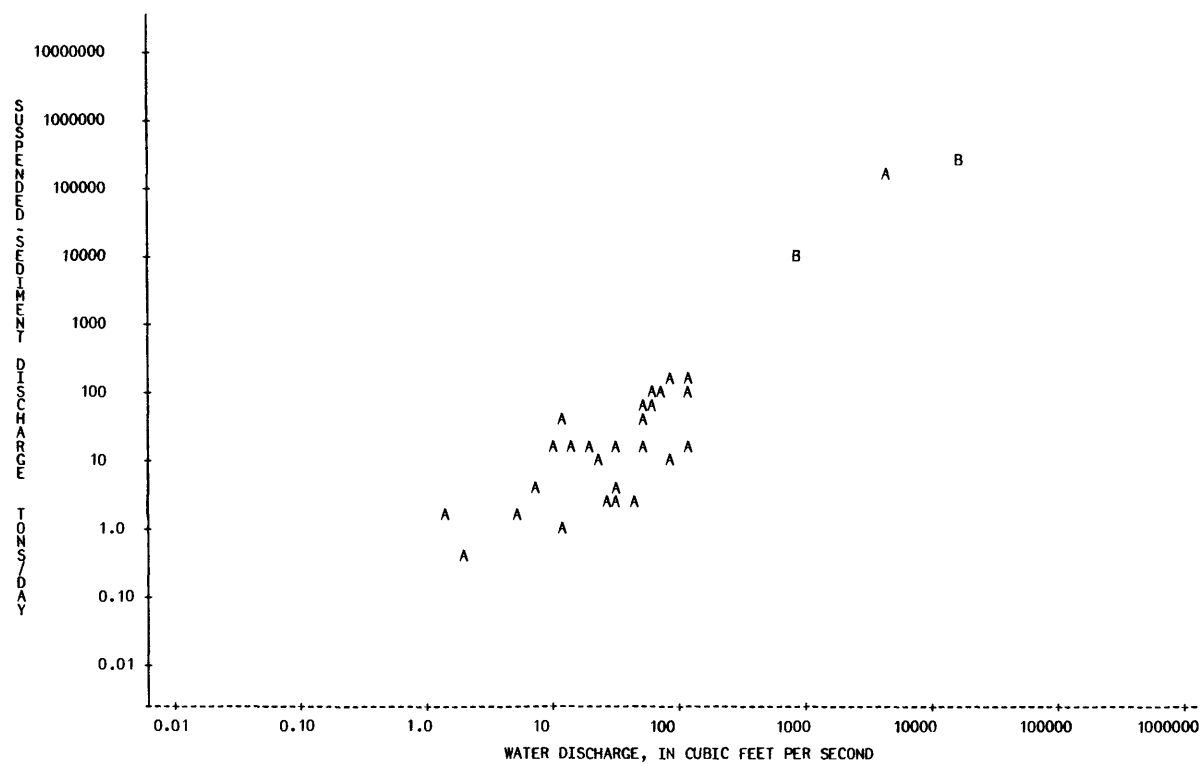
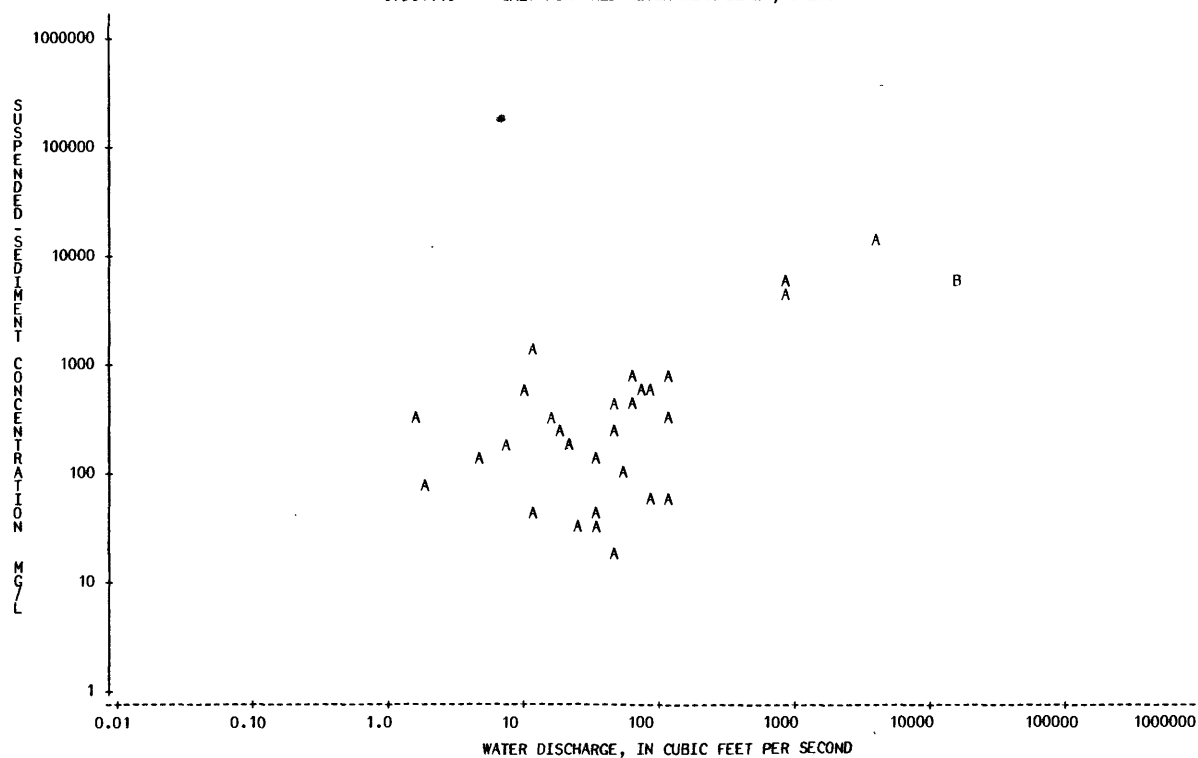
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-01-24		1130	32	*	151
78-02-23		0800	65	*	397
78-03-22		0930	22	*	177
78-04-25		1700	7.7	*	207
78-05-16		0930	12	*	1230
78-06-07		0830	814	*	5740
78-07-27		0830	1.5	*	365
78-08-30		1000	2.0	*	72
78-09-28		0930	84	*	592
78-10-18		1445	5.0		135
78-11-21		0800	15		333
78-12-12		0750	10.0		565
79-01-16		1530	20		244
79-02-14		1525	50		388
79-03-14		1435	60		661
79-04-11		1625	850		4530
79-05-01		1430	50		258
79-07-10		1430	71		524
79-08-14		1300	112		666
79-09-25		1600	112		348
79-11-28		1000	33		46
79-12-10		1500	25		36
80-01-14		1700	44		20
80-02-19		1330	56		94
80-03-24		1400	33		34
80-04-22		1415	11		41
80-05-15		2045	4100		12100
80-05-16		1320	16800		5350
80-05-28		1430	16400		6140
80-06-23		1445	125		54
80-07-24		0800	84		51

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07301110 SALT FORK RED RIVER NEAR ELMER, OKLA.



## RED RIVER BASIN

D73D2000 NORTH FORK RED RIVER NEAR GRANITE, OKLA.

LOCATION.--Lat 34°58', long 99°20', on line between secs.20 and 29, T.6 N., R.20 W., Kiowa-Green County line, Hydrologic Unit 11120302, at bridge on State Highway 9, 2.5 mi (4.0 km) east of Granite, 7 mi (11.2 km) upstream from Lugert Dam and 9 mi (14.4 km) upstream from confluence with Elm Fork of North Fork of Red River.

DRAINAGE AREA.--2,540 mi<sup>2</sup> (6,579 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1939, 1941-44.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-11-03			295	3600	A	2870	44-07-15			87	1200	A	282
39-01-08			29	1000	A	78	44-07-19			103	500	A	139
39-01-09			1660	16600	A	74400	44-07-21			121	4600	A	1500
39-01-10			862	15700	A	36500	44-08-26			1040	13100	A	36800
39-01-17			26	500	A	35	44-08-28			68	900	A	165
39-01-28			28	200	A	15	44-10-02			84	1200	A	272
39-01-31			123	3500	A	1160	44-10-05			147	2900	A	1150
39-03-27			95	4800	A	1230							
39-03-29			960	3600	A	9330							
39-04-06			428	9300	A	10700							
39-04-14			50	600	A	81							
39-04-19			36	6900	A	671							
39-05-08			1150	17500	A	54300							
39-06-19			1470	28500	A	113000							
39-06-22	0900		9030	16700	A	407000							
39-06-23	1100		7140	15500	A	299000							
40-11-26			156	6300	A	2650							
40-11-28			58	3900	A	611							
40-11-30			19	900	A	46							
41-04-30			1740	15200	A	71400							
41-05-04			5730	17100	A	265000							
41-05-22			1330	6200	A	22300							
41-05-27			1550	18700	A	78300							
41-06-06			3940	13500	A	144000							
41-08-11			92	3500	A	869							
41-08-27			8510	19800	A	455000							
42-04-17			2380	1600	A	10300							
42-06-20			186	1200	A	603							
42-06-23			4500	30900	A	375000							
42-06-26			442	3300	A	3940							
42-07-07			103	300	A	83							
42-08-17			523	6200	A	8760							
42-09-07			242	2700	A	1760							
42-09-20			440	4500	A	5350							
42-10-20			1450	1000	A	3920							
42-10-31			312	1800	A	1520							
43-01-23			469	3300	A	4180							
43-01-28			180	1100	A	535							
43-04-14			165	700	A	312							
43-04-15			130	600	A	211							
43-05-15			118	1100	A	350							
43-05-22			245	1300	A	860							
43-06-30			191	3100	A	1600							
43-12-11			146	1100	A	434							
44-01-03			170	1000	A	459							
44-03-16			332	2200	A	1970							
44-03-21			80	1100	A	238							
44-05-31			425	2000	A	2290							
44-06-01			3890	10400	A	109000							
44-06-03			469	4200	A	5320							
44-06-05			137	6100	A	2260							
44-06-26			59	900	A	143							
44-07-13			718	7000	A	13600							

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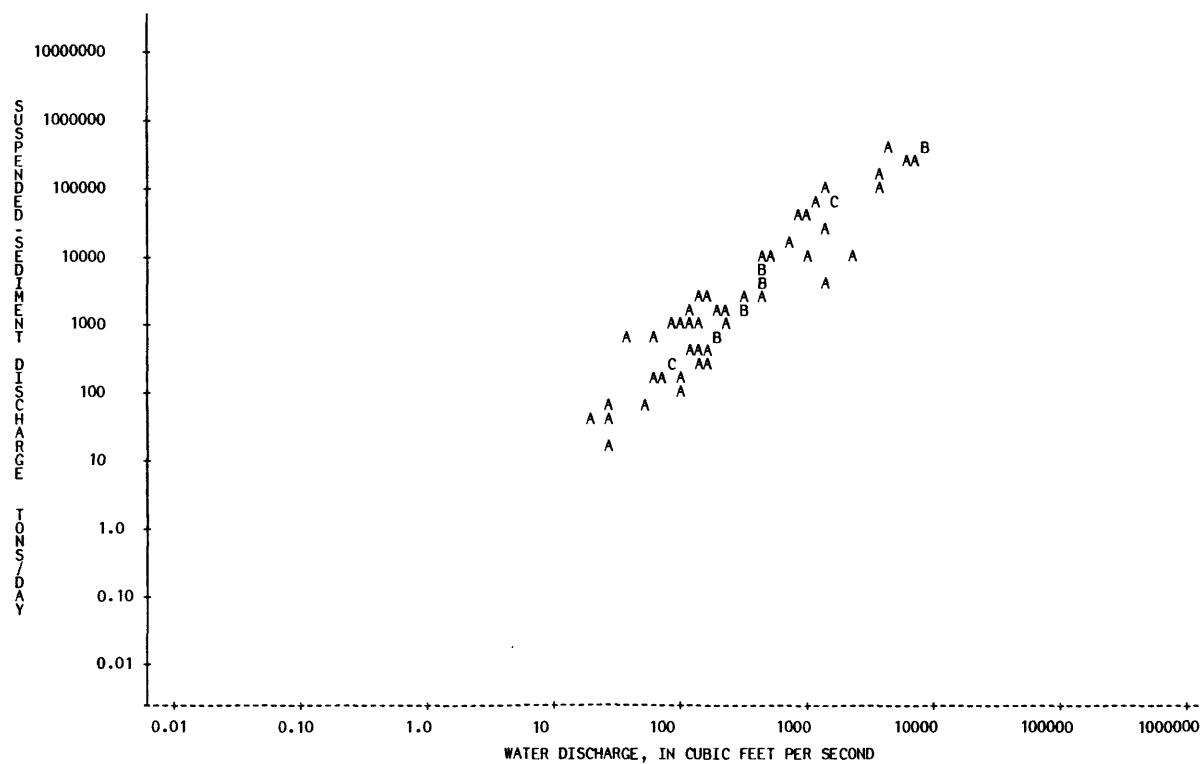
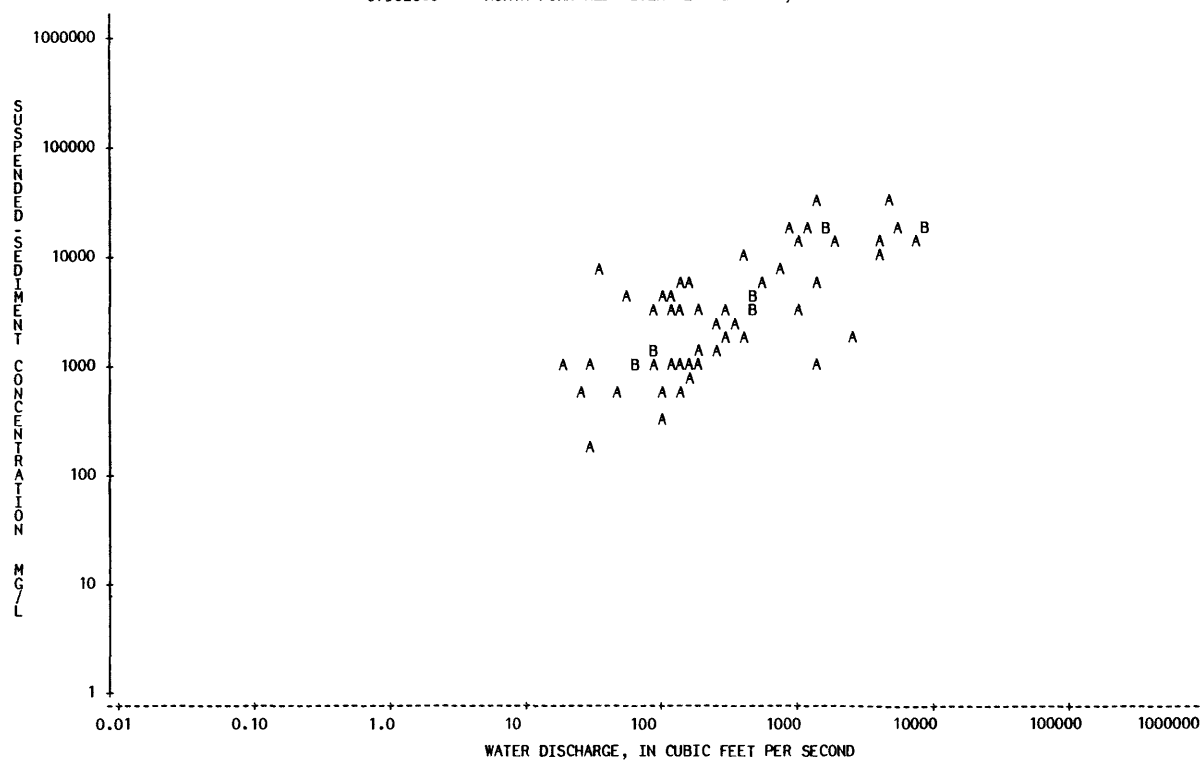
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07302000 NORTH FORK RED RIVER NEAR GRANITE, OKLA.



## RED RIVER BASIN

07303500 ELM FORK OF NORTH FORK RED RIVER NEAR MANGUM, OKLA.

LOCATION.--Lat 34°55'36", long 99°30'00", on east line sec.10, T.5 N., R.22 W., Greer County, Hydrologic Unit 11120304, at bridge on U.S. Highway 283, 3.0 mi (4.8 km) north of Mangum, 5.0 mi (8.0 km) downstream from Haystack Creek, and at mile 17.8 (28.6 km).

DRAINAGE AREA.--838 mi<sup>2</sup> (2,170 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-47, 1961-65.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-09-30			4.0	700	A 7.6	44-05-31			425	12100	A 13900
38-10-11			56	800	A 12.1	44-06-01			2450	21400	A 142000
38-10-17			5.0	400	A 5.4	44-06-02			323	7100	A 6190
38-10-31			4.0	400	A 4.3	44-06-13			2000	9500	A 51300
38-11-03			355	7900	A 7570	44-06-24			444	15600	A 18700
38-11-08			13	400	A 14	44-07-06			26	1000	A 70
39-01-09			2420	16000	A 105000	44-07-13			930	9900	A 24900
39-01-10			185	2800	A 1400	44-07-15			100	1000	A 270
39-01-12			48	300	A 39	44-07-21			414	7900	A 8830
39-01-17			27	400	A 29	44-08-26			225	12600	A 7650
39-03-27			528	9900	A 14100	44-09-13			22	700	A 42
39-03-29			470	7700	A 9770	44-09-16			64	3200	A 553
39-04-06			120	19000	A 6160	44-10-02	1700		295	8600	A 6850
39-06-12			49	300	A 40	44-10-04			200	3300	A 1780
39-06-21			12900	20200	A 704000	44-11-08			113	5700	A 1740
39-06-22			2630	4900	A 34800	44-12-06			127	3900	A 1340
39-06-26			61	700	A 115	45-03-15			548	11500	A 17000
39-07-29	1000		445	14800	A 17800	45-04-17			75	1600	A 324
39-07-29	1700		918	18700	A 46300	45-05-12			21	1200	A 68
39-08-08			327	7200	A 6360	45-05-22			11	400	A 12
39-10-09			929	14700	A 36900	45-05-29		6.0		300	A 4.9
40-08-19			98	8700	A 2300	45-06-06			210	10600	A 6010
40-09-04			305	10800	A 8890	45-06-11			648	17200	A 30100
40-09-23	0900		1400	16200	A 61200	45-06-13			462	10700	A 13300
40-09-23	1700		836	11700	A 26400	45-06-19			58	200	A 31
40-09-26			90	2400	A 583	45-06-21			1460	12400	A 48900
40-11-21			415	11200	A 12500	45-06-27			19	200	A 10
40-11-26			757	5300	A 10800	45-07-07			163	2400	A 1060
41-02-03			23	400	A 25	45-07-10			1210	12800	A 41800
41-04-14			69	1600	A 298	45-07-12			102	500	A 138
41-05-04			5510	10500	A 156000	45-07-31		5.0		100	A 1.4
41-05-21			4170	6900	A 77700	46-04-29			82	3200	A 708
41-06-23			1460	7400	A 29200	46-05-08			160	6900	A 2980
41-06-29			3230	11900	A 104000	46-05-15			58	1500	A 235
41-08-09			568	5000	A 7670	46-05-17			1510	23300	A 95000
41-08-27			7380	21500	A 428000	46-05-18			250	8300	A 5600
42-06-23			2290	8600	A 53200	46-06-24			432	14500	A 16900
42-07-21			274	4400	A 3260	46-06-26			41	2000	A 221
42-08-18			70	500	A 94	46-07-03			68	1800	A 330
42-09-07			326	6200	A 5460	46-09-10			225	11300	A 6860
42-09-20			1020	5700	A 15700	46-09-11			89	7800	A 1870
43-05-15			46	900	A 112	46-09-16			52	600	A 84
43-05-20			504	5300	A 7210	46-11-06			549	7900	A 11700
43-06-16			286	13900	A 10700	47-05-15			5220	11400	A 161000
43-06-18			39	1100	A 116	47-06-20			3010	14900	A 121000
43-07-08			340	10900	A 10000	61-07-19			68	2040	A 375
43-08-23			19	1200	A 62	62-01-31			64	1370	A 237
43-09-02			158	22400	A 9560	62-05-04			36	420	A 41
43-10-01			105	4500	A 1280	62-06-07			29	720	A 56
43-10-23			648	12000	A 21000	62-06-28			51	1440	A 198
43-10-25			85	1800	A 413	62-08-08			32	360	A 31
44-03-16			275	8700	A 6460	62-09-19			76	1350	A 277
44-05-01			61	1200	A 198	62-10-18			27	210	A 15

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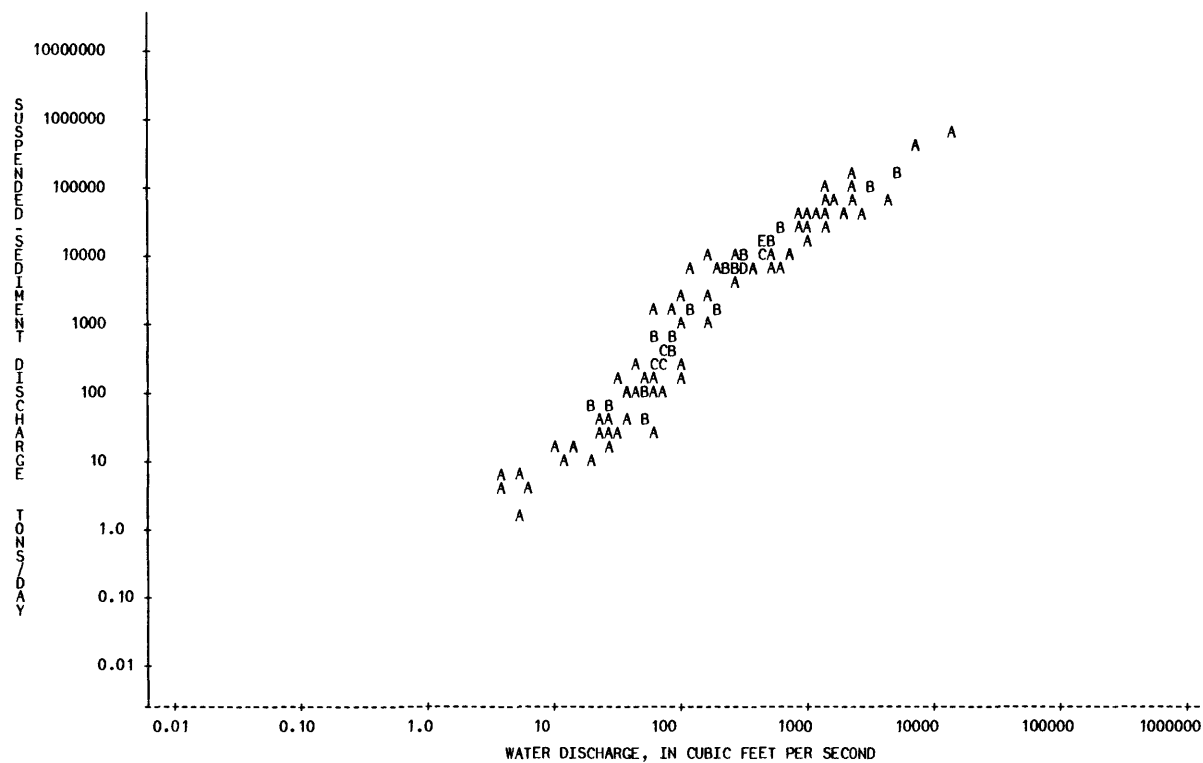
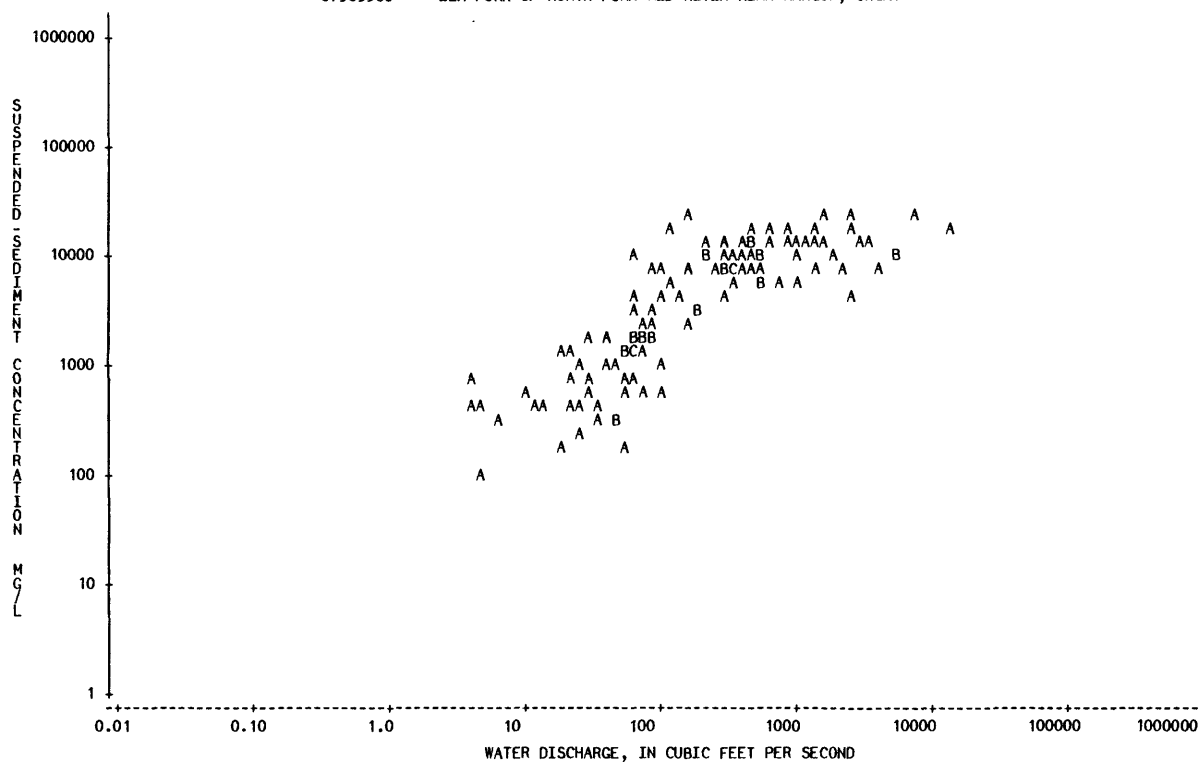
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-11-22			61	1490	A 245						
64-02-12			77	2430	A 505						
64-02-26			31	2040	A 171						
64-11-06			59	4180	A 666						
64-11-25			28	510	A 39						
64-12-10			89	1970	A 473						
65-06-16			59	10700	A 1700						
65-06-23			10.0	560	A 15						
65-06-26			1580	13600	A 58000						

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07303500 ELM FORK OF NORTH FORK RED RIVER NEAR MANGUM, OKLA.



## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.

LOCATION.--Lat 34°54'51", long 99°06'49", in NE 1/4 NE 1/4 sec.17, T.5 N., R.18 W., Kiowa County, Hydrologic Unit 11120303, near right bank on downstream side of pier of county road bridge, 7.0 mi (11.3 km) downstream from Little Elk Creek, 7.5 mi (12 km) south of Hobart, and at mile 10.9 (17.5 km).

DRAINAGE AREA.--549 mi<sup>2</sup> (1,422 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1959-61.

REMARKS.--Suspended-sediment and bed-material particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
58-12-03	1655		2.1	20	0.11	59-01-26	1000		3.5	9	0.09
58-12-04	0930		1.8	18	0.09	59-01-27	1020		3.0	10	0.08
58-12-05	1000		1.6	16	0.07	59-01-28	1700		3.7	16	0.16
58-12-06	1000		1.4	14	0.05	59-01-29	1000		3.8	11	0.11
58-12-07	1000		1.4	8	0.03	59-01-30	1000		3.7	9	0.09
58-12-08	1030		1.6	7	0.03	59-01-31	1000		3.6	9	0.09
58-12-09	1030		1.4	12	0.05	59-02-01	1015		3.6	10	0.10
58-12-10	1030		1.3	13	0.05	59-02-02	1020		3.7	12	0.12
58-12-11	1015		1.5	18	0.07	59-02-03	1000		3.7	10	0.10
58-12-13	1030		1.9	11	0.06	59-02-04	1000		3.6	10	0.10
58-12-14	1045		1.7	12	0.06	59-02-05	1015		3.6	11	0.11
58-12-15	1530		2.0	12	0.06	59-02-06	1015		3.6	10	0.10
58-12-16	0915		1.5	16	0.06	59-02-07	1030		3.3	10	0.09
58-12-17	0930		1.8	11	0.05	59-02-08	1025		4.0	10	0.11
58-12-18	1035		2.0	10	0.05	59-02-09	1000		4.0	11	0.12
58-12-19	1045		2.3	14	0.09	59-02-10	1035		4.1	9	0.10
58-12-20	1100		2.5	14	0.09	59-02-11	1015		3.8	8	0.08
58-12-21	1030		2.7	15	0.11	59-02-12	1000		3.8	10	0.10
58-12-22	1115		2.6	12	0.08	59-02-13	1015		3.8	8	0.08
58-12-23	1045		2.6	12	0.08	59-02-14	1000		3.7	7	0.07
58-12-24	1030		2.4	15	0.10	59-02-15	0945		3.8	8	0.08
58-12-25	1030		2.4	13	0.08	59-02-16	0930		3.6	10	0.10
58-12-26	1020		2.3	15	0.09	59-02-17	1015		3.6	7	0.07
58-12-27	1020		2.4	10	0.06	59-02-18	1000		3.6	9	0.09
58-12-28	1300		2.6	7	0.05	59-02-19	1030		3.6	11	0.11
58-12-29	1015		2.4	6	0.04	59-02-20	1000		3.3	8	0.07
58-12-30	1040		2.5	9	0.06	59-02-21	1000		3.3	8	0.07
58-12-31	1015		2.4	10	0.06	59-02-22	0945		3.2	8	0.07
59-01-01	1020		2.6	10	0.07	59-02-23	1000		3.3	14	0.12
59-01-02	1100		2.5	7	0.05	59-02-24	1030		3.3	20	0.18
59-01-03	1020		2.7	8	0.06	59-02-25	1000		3.2	18	0.16
59-01-04	1100		2.4	8	0.05	59-02-26	1030		3.3	22	0.20
59-01-05	1015		2.4	8	0.05	59-02-27	1015		3.6	20	0.19
59-01-06	1030		2.9	8	0.06	59-02-28	1020		3.5	30	0.28
59-01-07	1025		3.0	10	0.08	59-03-01	1020		3.5	156	1.5
59-01-08	1015		2.7	7	0.05	59-03-02	1030		3.5	157	1.5
59-01-09	1030		2.5	10	0.07	59-03-03	0900		3.3	169	1.5
59-01-10	1100		2.7	10	0.07	59-03-04	1030		3.2	168	1.5
59-01-11	1000		2.6	11	0.08	59-03-05			3.2	208	1.8
59-01-12	1042		3.3	9	0.08	59-03-06	1015		3.2	180	1.6
59-01-13	1015		4.0	7	0.08	59-03-07	0945		3.2	169	1.5
59-01-14	1030		3.3	6	0.05	59-03-08	1000		3.2	158	1.4
59-01-15	1020		1.9	8	0.04	59-03-09	0945		3.3	172	1.5
59-01-16	1020		3.5	10	0.09	59-03-10	0945		3.3	200	1.8
59-01-17	1000		3.5	8	0.08	59-03-11	1015		3.2	234	2.0
59-01-18	1030		3.6	6	0.06	59-03-12	1015		3.2	192	1.7
59-01-19	0930		3.6	6	0.06	59-03-13	1040		3.3	211	1.9
59-01-20	0830		3.2	6	0.05	59-03-14	1000		3.6	235	2.3
59-01-21	1030		3.6	9	0.09	59-03-15	1000		3.0	276	2.2
59-01-22	1100		3.3	8	0.07	59-03-16	1230		3.3	260	2.3
59-01-23	1020		3.8	9	0.09	59-03-17	1000		3.1	261	2.2
59-01-24	1015		3.6	11	0.11	59-03-18	1015		3.2	205	1.8
59-01-25	1025		3.6	10	0.10	59-03-19	1100		2.9	257	2.0

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

RED RIVER BASIN  
07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-03-20	1020		3.1	258	2.2	59-05-11	1000		428	3190	3690
59-03-21	1000		3.1	259	2.2	59-05-11	1400		268	2890	2090
59-03-22	1300		3.2	229	2.0	59-05-11	1430		928	4280	10700
59-03-23	1230		3.8	252	2.6	59-05-11	1800		548	6510	9630
59-03-24	0830		9.3	272	6.8	59-05-11	2200		687	6450	12000
59-03-25	0830		5.6	316	4.8	59-05-12	0200		671	4350	7880
59-03-26	0815		4.2	362	4.1	59-05-12	0600		486	3440	4510
59-03-29	1030		3.5	282	2.7	59-05-13	1000		48	1780	231
59-03-30	1030		6.8	156	2.9	59-05-14	0940		26	622	44
59-04-01	1030		4.5	77	0.94	59-05-16	0940		17	202	9.3
59-04-02	1030		4.4	87	1.0	59-05-17	1000		15	182	7.4
59-04-04	1030		4.0	78	0.84	59-05-18	1030		14	145	5.5
59-04-05	1015		3.5	76	0.72	59-05-20	1200		130	206	72
59-04-06	1015		3.1	83	0.69	59-05-21	1230		16	1430	62
59-04-07	1050		3.2	87	0.75	59-05-22	0800		702	10700	20300
59-04-09	1200	398		4320	4640	59-05-22	0900	1000		9820	26500
59-04-09	1415	303		3940	3220	59-05-22	1000	1310		8020	28400
59-04-09	1500	270		3790	2760	59-05-22	1100	1520		7170	29400
59-04-09	1600	241		3740	2430	59-05-22	1200	1640		7380	32700
59-04-09	1705	215		3700	2150	59-05-22	1300	1760		6160	29300
59-04-09	1800	195		3700	1950	59-05-22	1500	1850		5700	28500
59-04-09	1900	180		3620	1760	59-05-22	1600	1840		5690	28300
59-04-09	2000	162		3640	1590	59-05-22	1700	1820		5290	26000
59-04-10	1000	56		2500	378	59-05-22	1800	1800		4960	24100
59-04-11	1300	17		945	43	59-05-22	1900	1770		4810	23000
59-04-12	1320	11		489	15	59-05-22	2000	1740		4850	22800
59-04-14	1020	7.8		149	3.1	59-05-22	2100	1730		4810	22500
59-04-18	1000	6.4		93	1.6	59-05-22	2200	1710		5310	24500
59-04-19	0830	6.1		147	2.4	59-05-22	2300	1660		5540	24800
59-04-20	1015	9.0		198	4.8	59-05-22	2400	1350		5180	18900
59-04-21	1000	73		2190	432	59-05-23	0100	1520		4840	19900
59-04-22	1030	18		1050	51	59-05-23	0200	1390		4280	16100
59-04-23	1115	13		428	15	59-05-23	0300	1230		4340	14400
59-04-24	1000	11		262	7.8	59-05-23	0400	1070		4330	12500
59-04-25	1230	10.0		181	4.9	59-05-23	0500	926		4110	10300
59-04-26	1330	9.7		148	3.9	59-05-23	0600	826		4100	9140
59-04-27	1200	9.7		122	3.2	59-05-23	0800	695		4600	8630
59-04-28	1015	8.8		101	2.4	59-05-23	1200	482		6230	8110
59-04-29	1020	8.8		116	2.8	59-05-23	1600	319		4620	3980
59-05-03	1000	8.3		130	2.9	59-05-23	2000	56		4100	620
59-05-05	0830	8.3		154	3.5	59-05-24	2200	126		3640	1240
59-05-05	2000	262		4160	2940	59-05-25	1030	42		1160	132
59-05-05	2200	600		9830	15900	59-05-26	0200	1590		4020	17300
59-05-05	2300	633		9090	15500	59-05-26	1400	2530		4860	33200
59-05-05	2400	696		7840	14700	59-05-26	1500	2540		4600	31500
59-05-06	0100	753		7240	14700	59-05-26	1600	2470		5400	36000
59-05-06	0200	781		7080	14900	59-05-26	1700	2350		5140	32600
59-05-06	0500	798		6720	14500	59-05-26	1800	2210		5170	30800
59-05-06	0600	798		6370	13700	59-05-26	1900	2110		5170	29500
59-05-06	0700	828		6380	14300	59-05-26	2000	2020		6020	32800
59-05-06	0900	887		4740	11400	59-05-26	2100	1990		5890	31600
59-05-06	1000	845		5700	13000	59-05-26	2200	1940		10100	52900
59-05-06	1100	852		5800	13300	59-05-26	2300	1850		4450	22200
59-05-06	1300	857		5130	11900	59-05-26	2400	1660		4410	19800
59-05-06	1400	876		5860	13900	59-05-27	0300	1500		4100	16600
59-05-06	1500	881		5920	14100	59-05-27	0400	1400		3840	14500
59-05-06	1600	883		5460	13000	59-05-27	0500	1300		3820	13400
59-05-06	1700	886		5280	12600	59-05-27	0600	1220		3920	12900
59-05-06	1900	886		5020	12000	59-05-27	0700	1090		3330	9800
59-05-06	2100	837		6320	14300	59-05-27	0800	993		3340	8950
59-05-06	2200	839		4400	9970	59-05-27	1200	886		6070	14500
59-05-06	2300	779		4040	8500	59-05-27	1600	1070		8520	24600
59-05-06	2400	721		4020	7830	59-05-27	1800	1210		7240	23700
59-05-07	0100	645		3820	6650	59-05-27	1900	1260		6870	23400
59-05-07	0200	557		3760	5650	59-05-27	2000	1310		6680	23600
59-05-07	0300	472		3640	4640	59-05-27	2100	1350		6050	22100
59-05-07	0400	382		3350	3460	59-05-27	2200	1400		5950	22500
59-05-07	0500	332		3700	3320	59-05-27	2300	1420		5480	21000
59-05-07	0600	294		3560	2830	59-05-27	2400	1460		5460	21500
59-05-07	0700	331		3530	3150	59-05-28	0100	1490		4760	19100
59-05-07	0800	264		3650	2600	59-05-28	0200	1510		4950	20200
59-05-08	0930	56		2500	378	59-05-28	0300	1550		4720	19800
59-05-09	0500	2820		4020	30600	59-05-28	0400	1580		4770	20300
59-05-09	0600	2820		5000	38100	59-05-28	0500	1610		4430	19300
59-05-09	0700	2760		4840	36100	59-05-28	0600	1650		4220	18800
59-05-09	0800	2660		4210	30200	59-05-28	0700	1680		3670	16600
59-05-09	0900	2520		4180	28400	59-05-28	0800	1720		3880	18000
59-05-09	1000	2370		4140	26500	59-05-28	0900	1720		3700	17200
59-05-09	1100	2200		4360	25900	59-05-28	1000	1720		3580	16600
59-05-09	1400	1600		4520	19500	59-05-28	1100	1680		3280	14900
59-05-09	1500	1310		4340	15400	59-05-28	1200	1590		3060	13100
59-05-09	1600	1010		4080	11100	59-05-28	1300	1500		2780	11300
59-05-09	1800	793		3920	8390	59-05-28	1400	1210		2700	8820
59-05-10	1000	126		2480	844	59-05-28	1500	962		2570	6680
59-05-10	1500	617		9060	15100	59-05-28	1600	746		2680	5400
59-05-10	1600	731		7840	15500	59-05-28	1700	606		2960	4840
59-05-10	1800	928		5700	14300	59-05-28	1800	470		3350	4250
59-05-10	2200	1080		5080	14800	59-05-28	2200	230		4220	2620
59-05-11	0230	874		4280	10100	59-05-29	1000	117		3120	986

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

565

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-05-30		1120	55	1170	174	59-07-10	0600	584	2880		4540
59-05-31		0900	40	612	66	59-07-10	0700	514	3000		4160
59-06-01		1000	26	444	31	59-07-10	0900	420	3020		3420
59-06-02		1030	26	348	24	59-07-10	1245	285	2060		1590
59-06-03		1200	24	291	19	59-07-11	1000	66	872		155
59-06-04		1045	22	292	17	59-07-12	1020	28	323		24
59-06-05		1000	20	244	13	59-07-13	0900	737	6670		13300
59-06-06		1000	21	286	16	59-07-13	1200	1010	5220		14200
59-06-07		1145	20	267	14	59-07-13	1610	787	3560		7560
59-06-08		1100	19	273	14	59-07-14	1120	144	1040		404
59-06-09		1230	18	253	12	59-07-15	1000	56	399		60
59-06-10		1030	17	313	14	59-07-16	1000	26	174		12
59-06-12		0845	18	265	13	59-07-17	1230	18	130		6.3
59-06-13		1300	14	246	9.3	59-07-18	1200	15	67		2.7
59-06-14		1020	12	281	9.1	59-07-19	0945	14	41		1.5
59-06-15		1300	12	281	9.1	59-07-20	1100	15	49		2.0
59-06-16		1030	12	284	9.2	59-07-21	1115	12	180		5.8
59-06-17		1000	12	276	8.9	59-07-22	1030	12	119		3.9
59-06-18		0900	11	320	9.5	59-07-23	1000	11	142		4.2
59-06-19		0930	10.0	292	7.9	59-07-24	1000	10.0	136		3.7
59-06-20		0945	9.9	316	8.4	59-07-25	1035	11	143		4.2
59-06-21		1100	9.7	194	5.1	59-07-26	1300	9.7	100		2.6
59-06-22		0800	264	4620	3290	59-07-27	1010	9.7	142		3.7
59-06-22		1230	492	8100	10800	59-07-27	1720	482	7820		10200
59-06-22		1400	555	6160	9230	59-07-27	1800	552	7030		10500
59-06-22		1600	564	4820	7340	59-07-27	2000	958	6760		17500
59-06-22		1800	467	3050	3850	59-07-27	2200	1740	5970		28000
59-06-22		2000	315	2420	2060	59-07-27	2400	4290	3130		36300
59-06-23		0830	47	2560	325	59-07-28	0100	2780	5780		43400
59-06-24		1215	457	4440	5480	59-07-28	0400	3090	5620		46900
59-06-25		1100	55	2090	310	59-07-28	0600	3380	5440		49600
59-06-26		1210	15	628	25	59-07-28	0800	3670	4460		44200
59-06-27		1130	11	260	7.7	59-07-28	1000	4000	3870		41800
59-06-28		0930	9.3	163	4.1	59-07-28	1200	4300	3130		36300
59-06-29		1200	13	168	5.9	59-07-28	1400	4540	2380		29200
59-06-30		0915	9.3	172	4.3	59-07-28	1500	4600	2160		26800
59-07-01		0730	2130	8040	46200	59-07-28	1600	4660	2080		26200
59-07-01		0900	2300	5570	34600	59-07-28	1700	4690	1990		25200
59-07-01		1000	2200	5000	29700	59-07-28	1800	4690	1900		24100
59-07-01		1100	2020	4200	22900	59-07-28	1900	4680	1700		21500
59-07-01		1200	1740	4150	19500	59-07-28	2000	4660	1640		20600
59-07-01		1300	1720	3580	16600	59-07-28	2100	4630	1560		19500
59-07-01		1400	1160	3900	12200	59-07-28	2300	4540	1530		18800
59-07-01		1500	869	4020	9430	59-07-28	2400	4430	1540		18400
59-07-01		1600	719	3840	7450	59-07-29	0200	4310	1540		17900
59-07-01		1700	567	3720	5690	59-07-29	0300	4240	1530		17500
59-07-01		1800	437	3690	4350	59-07-29	0400	4080	1500		16500
59-07-01		2000	284	3650	2800	59-07-29	0500	4050	1490		16300
59-07-01		2200	195	3680	1940	59-07-29	0600	3720	1670		16800
59-07-02		0930	950	5070	13000	59-07-29	0700	3480	1680		15800
59-07-02		1000	989	4800	12800	59-07-29	0800	3160	1840		15700
59-07-02		1100	1030	4300	12000	59-07-29	0900	3060	2020		16700
59-07-02		1200	1060	4250	12200	59-07-29	1000	2380	2160		13900
59-07-02		1300	1090	3860	11400	59-07-29	1400	883	4370		10400
59-07-02		1400	1100	3740	11100	59-07-30	1030	220	1890		1120
59-07-02		1500	1100	3710	11000	59-07-31	1050	122	794		262
59-07-02		1600	1080	3300	9620	59-08-01	1000	75	426		86
59-07-02		1800	993	2910	7800	59-08-02	0910	56	313		47
59-07-02		1900	898	2660	6450	59-08-04	1030	34	256		24
59-07-02		2000	822	2460	5460	59-08-06	1000	25	257		17
59-07-02		2200	629	2350	3990	59-08-09	0930	20	222		12
59-07-03		0215	284	2310	1770	59-08-10	1155	27	230		17
59-07-03		0630	162	2070	905	59-08-11	0800	19	229		12
59-07-04		0915	38	764	78	59-08-12	1230	18	199		9.7
59-07-05		0900	20	377	20	59-08-13	1300	16	209		9.0
59-07-06		1245	126	3370	1150	59-08-14	1230	15	182		7.4
59-07-07		0910	37	1580	158	59-08-15	1100	15	159		6.4
59-07-08		1115	16	310	13	59-08-19	0945	15	186		7.5
59-07-09		0730	666	9940	17900	59-08-20	0915	14	147		5.6
59-07-09		0900	1130	9310	28400	59-08-21	1400	14	112		4.2
59-07-09		1000	1520	7780	31900	59-08-22	0930	14	160		6.0
59-07-09		1100	1760	6490	30800	59-08-23	1035	9.9	171		4.6
59-07-09		1200	1920	6000	31100	59-08-24	1130	9.5	134		3.4
59-07-09		1300	2030	5580	30600	59-08-25	1100	9.3	140		3.5
59-07-09		1400	2070	5140	28700	59-08-26	1200	9.2	100		2.5
59-07-09		1500	2100	4920	27900	59-08-27	1145	9.2	129		3.2
59-07-09		1600	2110	4560	26000	59-08-28	1130	9.2	161		4.0
59-07-09		1700	2100	4310	24400	59-08-29	1150	9.0	131		3.2
59-07-09		1800	2080	4200	23600	59-08-30	1025	8.8	164		3.9
59-07-09		1900	2040	4000	22000	59-08-31	0945	8.6	160		3.7
59-07-09		2000	2020	4160	22700	59-09-01	1730	8.1	225		4.9
59-07-09		2100	1980	3850	20600	59-09-03	1015	19	251		13
59-07-09		2200	1870	3570	18000	59-09-04	1020	220	4270		2540
59-07-09		2300	1760	3290	15600	59-09-05	0930	140	2890		1090
59-07-09		2400	1590	2990	12800	59-09-06	1000	24	937		61
59-07-10		0100	1380	2810	10500	59-09-07	1020	12	322		10
59-07-10		0300	930	2840	7130	59-09-09	1130	7.8	154		3.2
59-07-10		0400	784	2850	6030	59-09-10	1215	7.8	132		2.8
59-07-10		0500	673	3150	5720	59-09-11	1100	7.6	90		1.8

\*\*\*\*\*  
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## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
59-09-12	1315		7.3	88	1.7	59-11-13	0800	24	272		18
59-09-13	0920		7.2	90	1.7	59-11-14	0800	23	185		11
59-09-14	1235		7.2	74	1.4	59-11-16	0800	24	32		2.1
59-09-15	1250		7.4	86	1.7	59-11-18	0800	22	28		1.7
59-09-16	1415		6.8	66	1.2	59-11-19	0800	24	10		0.65
59-09-17	1300		6.8	72	1.3	59-11-20	0800	23	10		0.62
59-09-19	0830		6.0	20	0.32	59-11-21	0800	23	8		0.50
59-09-21	1020		6.1	16	0.26	59-11-22	0800	22	12		0.71
59-09-22	1000		6.1	14	0.23	59-11-23	0800	22	9		0.53
59-09-23	1015		5.4	15	0.22	59-11-24	0800	22	11		0.65
59-09-24	1030		6.1	98	1.6	59-11-25	0800	21	14		0.79
59-09-25	0800	2260		9230	56300	59-11-26	0800	22	14		0.83
59-09-25	0900	2460		7260	48200	59-11-27	0800	22	15		0.89
59-09-25	1300	3160		5250	44800	59-11-28	0800	26	30		2.1
59-09-25	1400	3320		5750	51500	59-11-29	0800	21	9		0.51
59-09-25	1500	3400		4700	43100	59-12-01	0800	20	9		0.49
59-09-25	1600	3460		4490	41900	59-12-02	0800	20	8		0.43
59-09-25	1800	3550		4220	40400	59-12-03	0800	20	10		0.54
59-09-25	1900	3570		7300	70400	59-12-04	0810	19	10		0.51
59-09-25	2000	3600		3590	34900	59-12-05	0800	19	4		0.21
59-09-25	2200	3630		3370	33000	59-12-06	0800	19	6		0.31
59-09-25	2300	3640		3320	32600	59-12-07	0800	19	7		0.36
59-09-25	2400	3640		3340	32800	59-12-08	0800	19	15		0.77
59-09-26	0100	3630		3480	34100	59-12-10	0800	19	12		0.62
59-09-26	0300	3590		2900	28100	59-12-11	0800	18	11		0.53
59-09-26	0400	3560		2820	27100	59-12-12	0820	19	300		15
59-09-26	0500	3490		2570	24200	59-12-13	0800	18	300		15
59-09-26	0700	3200		4990	43100	59-12-14	0800	18	302		15
59-09-26	0800	2940		2260	17900	59-12-15	0800	21	306		17
59-09-26	1000	2180		2560	15100	59-12-16	1600	58	610		96
59-09-26	1200	1480		3050	12200	59-12-17	2000	296	2220		1770
59-09-27	1000	100		2000	540	59-12-18	0800	1630	3440		15100
59-09-28	1030	47		762	97	59-12-18	1200	1480	2700		10800
59-09-29	1500	24		298	19	59-12-18	1600	1360	3400		12500
59-09-30	1000	25		232	16	59-12-18	2000	1280	2230		7710
59-10-01	0945	804		6180	13400	59-12-19	0800	995	1970		5290
59-10-01	1400	1150		5800	18000	59-12-20	2030	242	1290		843
59-10-01	1615	1380		7820	29100	59-12-21	0800	159	600		258
59-10-02	0800	1990		2800	15000	59-12-22	0800	132	395		141
59-10-02	1200	1430		2380	9190	59-12-23	0800	118	328		105
59-10-02	1620	1340		2650	9590	59-12-24	0810	110	294		87
59-10-02	2000	1560		3630	15300	59-12-25	0800	97	266		70
59-10-03	0810	2930		2770	21900	59-12-26	0800	92	289		72
59-10-03	1200	3320		2900	26000	59-12-27	0800	114	534		164
59-10-03	1300	3420		2640	24400	59-12-28	0800	154	1140		474
59-10-03	1700	3600		2380	23100	59-12-29	0800	104	508		143
59-10-03	2100	3650		2260	22300	59-12-30	0800	78	417		88
59-10-04	0100	3730		1970	19800	59-12-31	0800	72	300		58
59-10-04	0600	3760		1440	14600	60-01-01	0800	72	284		55
59-10-04	1000	3730		1420	14300	60-01-02	0800	76	296		61
59-10-04	1400	3580		1660	16000	60-01-03	0800	79	256		55
59-10-04	1800	3280		1320	11700	60-01-04	0800	72	225		44
59-10-04	2100	2870		1320	10200	60-01-05	0800	72	197		38
59-10-05	0100	2260		1540	9400	60-01-06	0800	73	225		44
59-10-05	0600	1210		2190	7150	60-01-07	1700	74	215		43
59-10-05	1000	750		2670	5410	60-01-08	0800	94	193		49
59-10-05	1400	489		2480	3270	60-01-09	0800	76	223		46
59-10-05	1800	376		2080	2110	60-01-10	0800	99	310		83
59-10-06	1000	243		1540	1010	60-01-11	0800	118	328		105
59-10-07	1510	94		687	174	60-01-12	0800	118	327		104
59-10-08	0910	67		499	90	60-01-13	0800	146	455		179
59-10-10	0900	36		422	41	60-01-14	0800	177	3730		1780
59-10-11	0900	34		489	45	60-01-15	0800	302	3980		3250
59-10-12	1115	32		504	44	60-01-16	0800	242	2280		1490
59-10-13	1145	26		389	27	60-01-17	0810	132	837		298
59-10-14	0935	40		446	48	60-01-18	1000	123	390		130
59-10-16	0900	22		355	21	60-01-19	1000	128	294		102
59-10-17	1030	23		346	21	60-01-20	1000	110	241		72
59-10-18	0930	29		379	30	60-01-21	1000	118	288		92
59-10-19	1020	22		351	21	60-01-22	1020	103	278		77
59-10-20	1000	23		323	20	60-01-23	0900	123	275		91
59-10-21	1030	22		366	22	60-01-24	1000	105	250		71
59-10-22	1000	21		361	20	60-01-25	0930	76	269		55
59-10-23	1030	21		337	19	60-01-26	1000	77	272		57
59-10-24	1030	21		316	18	60-01-27	1000	80	273		59
59-10-25	1000	23		301	19	60-01-28	1000	82	274		61
59-10-26	1015	21		334	19	60-01-29	1015	78	277		58
59-10-27	1000	21		243	14	60-01-30	0930	73	230		45
59-10-29	1000	20		256	14	60-01-31	0930	65	216		38
59-10-30	1000	24		275	18	60-02-01	1000	66	256		46
59-10-31	0800	21		307	17	60-02-02	1000	68	275		50
59-11-01	0800	25		297	20	60-02-03	1000	436	5090		5990
59-11-02	0800	33		327	29	60-02-04	1000	1320	5640		20100
59-11-06	1720	32		189	16	60-02-04	1700	1820	4300		21100
59-11-08	0800	24		28	1.8	60-02-05	0900	1830	2610		12900
59-11-09	0800	24		140	9.1	60-02-05	1300	1660	2320		10400
59-11-10	0800	25		265	18	60-02-05	1710	1490	2400		9660
59-11-11	0800	23		285	18	60-02-06	1000	803	1900		4120
59-11-12	0800	23		240	15	60-02-07	1000	304	1490		1220

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

567

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-02-08	1000	227		872	534	60-05-07	0900	62		665	111
60-02-09	0900	207		676	378	60-05-08	1000	46		299	37
60-02-10	1600	182		596	293	60-05-09	0800	40		166	18
60-02-11	1000	164		485	215	60-05-11	1000	29		104	8.1
60-02-12	1000	132		428	153	60-05-13	1000	29		147	12
60-02-13	1000	123		354	118	60-05-14	1000	26		208	15
60-02-14	1000	118		303	97	60-05-15	0930	26		245	17
60-02-15	1000	118		291	93	60-05-17	1000	25		174	12
60-02-16	1000	123		242	80	60-05-18	0700	61		2120	349
60-02-17	1000	128		299	103	60-05-19	0700	94		1180	299
60-02-18	1000	132		300	107	60-05-20	0800	164		2140	948
60-02-19	1000	110		237	70	60-05-21	0900	72		1160	226
60-02-20	1000	100		256	69	60-05-22	0900	42		329	37
60-02-21	1000	100		252	68	60-05-23	0800	34		210	19
60-02-22	1000	104		232	65	60-05-24	1100	32		159	14
60-02-23	1000	95		235	60	60-05-25	1300	27		83	6.1
60-02-24	1000	94		232	59	60-05-26	1300	26		60	4.2
60-02-25	1000	101		249	68	60-05-28	1100	24		302	20
60-02-26	1000	83		181	41	60-05-29	1000	76		4810	987
60-02-27	1000	83		321	72	60-05-30	1300	32		506	44
60-02-28	1000	110		262	78	60-05-31	0800	26		368	26
60-02-29	1000	90		247	60	60-06-01	0900	43		578	67
60-03-01	1000	100		233	63	60-06-02	0900	52		964	135
60-03-02	1000	82		221	49	60-06-03	1000	30		360	29
60-03-03	1000	94		223	57	60-06-04	1115	32		276	24
60-03-04	1000	89		227	55	60-06-06	1000	22		91	5.4
60-03-05	1000	102		222	61	60-06-07	1000	257		3510	2440
60-03-06	1000	150		232	94	60-06-08	1000	55		990	147
60-03-07	1000	73		241	48	60-06-09	1000	123		1370	455
60-03-08	1000	72		217	42	60-06-10	1015	290		2470	1930
60-03-09	1000	79		237	51	60-06-11	0800	100		985	266
60-03-10	1000	105		399	113	60-06-12	1000	79		1560	333
60-03-11	1000	128		565	195	60-06-13	1000	65		513	90
60-03-12	1000	114		499	154	60-06-14	1000	51		290	40
60-03-13	1100	80		317	68	60-06-16	1300	30		169	14
60-03-14	1000	76		274	56	60-06-17	1300	24		163	11
60-03-15	1000	74		272	54	60-06-18	1200	25		175	12
60-03-16	1000	82		214	47	60-06-19	0900	20		46	2.5
60-03-17	1000	84		238	54	60-06-20	1200	19		33	1.7
60-03-18	1000	76		228	47	60-06-21	1300	17		121	5.6
60-03-19	1000	70		236	45	60-06-22	1300	19		59	3.0
60-03-20	1205	66		235	42	60-06-23	1000	18		74	3.6
60-03-21	1000	63		262	45	60-06-25	1115	17		45	2.1
60-03-22	0910	61		238	39	60-06-26	0900	29		47	3.7
60-03-23	1000	60		213	35	60-06-27	1000	25		43	2.9
60-03-24	1000	62		229	38	60-06-28	1030	17		17	0.78
60-03-25		64		221	38	60-06-30	1300	13		6	0.21
60-03-26	1000	76		169	35	60-07-02	1000	11		60	1.8
60-03-27	1000	84		248	56	60-07-03	1000	11		64	1.9
60-03-28	1000	74		239	48	60-07-04	1000	11		84	2.5
60-03-29	1000	187		3110	1570	60-07-05	1000	9.2		92	2.3
60-03-30	0930	86		1140	265	60-07-06	1000	12		80	2.6
60-03-31	1000	69		271	50	60-07-07	0900	12		93	3.0
60-04-01	1000	65		220	39	60-07-08	1000	22		239	14
60-04-02	1000	55		253	38	60-07-09	0900	17		81	3.7
60-04-03	0900	55		260	39	60-07-10	0900	17		81	3.7
60-04-04	1000	55		238	35	60-07-11	1000	20		50	2.7
60-04-05	1000	48		249	32	60-07-12	1100	23		40	2.5
60-04-06	1000	50		254	34	60-07-13	1000	15		67	2.7
60-04-07	1500	48		265	34	60-07-14	1000	12		61	2.0
60-04-08	1000	48		257	33	60-07-15	1100	187		5450	2750
60-04-09	1000	46		258	32	60-07-16	1000	37		1340	134
60-04-10	1000	48		260	34	60-07-17	1000	19		405	21
60-04-11	1000	45		248	30	60-07-18	1000	14		211	8.0
60-04-12	1100	45		260	32	60-07-19	1200	11		140	4.2
60-04-13	1000	45		258	31	60-07-20	1130	11		97	2.9
60-04-14	0800	48		269	35	60-07-21	0930	8.8		66	1.6
60-04-15	1030	49		272	36	60-07-22	0800	26		877	62
60-04-16	1030	48		236	31	60-07-22	1600	146		3980	1570
60-04-17	1300	43		212	25	60-07-22	1700	217		4040	2370
60-04-18	1000	49		251	33	60-07-22	1800	301		5300	4310
60-04-19	1200	41		186	21	60-07-22	1900	387		6280	6560
60-04-20	1500	37		221	22	60-07-22	2000	472		6940	8840
60-04-21	1010	34		207	19	60-07-22	2100	581		8980	14100
60-04-22	1200	26		230	16	60-07-22	2200	655		9810	17300
60-04-23	0900	34		255	23	60-07-22	2300	760		8560	17600
60-04-24	0900	33		281	25	60-07-22	2400	818		8070	17800
60-04-25	1000	31		255	21	60-07-23	0200	1280		5480	18900
60-04-26	1030	31		261	22	60-07-23	0500	1110		4600	13800
60-04-27	1300	30		286	23	60-07-23	0700	1190		4080	13100
60-04-28	1000	29		254	20	60-07-23	0900	1300		4300	15100
60-04-29	1000	31		262	22	60-07-23	1100	1400		3550	13400
60-04-30	1000	31		270	23	60-07-23	1300	1470		3700	14700
60-05-01	0945	27		250	18	60-07-23	1500	1570		3580	15200
60-05-02	0930	29		239	19	60-07-23	1625	1610		3360	14600
60-05-03	1000	29		259	20	60-07-23	1700	1610		3430	14900
60-05-04	1000	26		252	18	60-07-23	1900	1680		4720	21400
60-05-05	0700	168		4410	2000	60-07-23	2100	1710		2980	13800
60-05-06	1000	83		1780	399	60-07-24	0300	1820		2400	11800

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-07-24	0600	1840		2060	10200	60-10-13	1515	1260		3410	11600
60-07-24	0800	1860		2020	10100	60-10-13	1630	1220		2440	8040
60-07-24	1000	1900		1940	9950	60-10-13	2000	1170		2300	7270
60-07-24	1200	1920		2740	14200	60-10-13	2400	1170		2160	6820
60-07-24	1400	1910		1700	8770	60-10-14	0200	1170		2060	6510
60-07-24	1600	1850		1560	7790	60-10-14	0400	1140		1930	5940
60-07-24	2000	1280		1520	5250	60-10-14	0600	1120		1940	5870
60-07-25	0700	237		2740	1750	60-10-14	0820	771		1780	3710
60-07-26	1000	114		1140	351	60-10-14	1000	550		1790	2660
60-07-27	1200	48		655	85	60-10-14	1200	335		1780	1610
60-07-28	1000	64		466	81	60-10-15	0900	74		1800	360
60-07-29	1245	54		306	45	60-10-16	0900	51		800	110
60-07-30	0700	48		283	37	60-10-17	1030	45		567	69
60-07-31	0900	43		221	26	60-10-18	1030	3120		4510	38000
60-08-01	1300	40		159	17	60-10-18	1200	3320		3720	33300
60-08-02	1200	36		149	14	60-10-18	1400	3500		3360	31800
60-08-03	0900	34		154	14	60-10-18	1600	3590		3200	31000
60-08-05	1200	29		111	8.7	60-10-18	2000	3610		2780	27100
60-08-06	0700	25		104	7.0	60-10-18	2200	3600		2540	24700
60-08-08	1400	86		251	58	60-10-18	2400	3590		2540	24600
60-08-09	1015	25		172	12	60-10-19	0200	3580		2210	21400
60-08-10	1000	26		186	13	60-10-19	0400	3560		2030	19500
60-08-11	0900	24		196	13	60-10-19	0600	3540		1930	18400
60-08-12	0930	26		246	17	60-10-19	0800	3500		1870	17700
60-08-13	0800	23		275	17	60-10-19	1000	3420		1640	15100
60-08-14	0900	21		262	15	60-10-19	1200	3390		1740	15900
60-08-15	0900	20		271	15	60-10-19	1400	3330		1480	13300
60-08-16	1700	79		305	65	60-10-19	1600	3250		1520	13300
60-08-17	1320	19		277	14	60-10-19	2000	3080		1520	12600
60-08-18	1000	24		336	22	60-10-19	2200	2980		1440	11600
60-08-20	0800	22		346	21	60-10-19	2400	2820		1400	10700
60-08-21	0710	34		1180	108	60-10-20	0200	2640		1420	10100
60-08-22	0900	20		232	13	60-10-20	0400	2370		1560	9980
60-08-23	0900	19		368	19	60-10-20	0600	2060		1700	9460
60-08-24	0915	18		290	14	60-10-20	0800	1800		1780	8650
60-08-25	0900	18		294	14	60-10-20	1000	1530		1850	7640
60-08-26	0900	42		1670	189	60-10-20	1200	1250		1970	6650
60-08-26	1200	36		2770	269	60-10-20	1630	598		3020	4880
60-08-26	2400	36		2770	269	60-10-20	1830	435		3080	3620
60-08-27	1100	23		411	26	60-10-21	0900	207		1930	1080
60-08-28	0900	14		191	7.2	60-10-22	0900	132		844	301
60-08-29	1500	10.0		128	3.5	60-10-23	0900	96		583	151
60-08-30	0930	39		3100	326	60-10-24	1000	85		527	121
60-08-31	0800	17		278	13	60-10-25	0915	82		3090	684
60-09-01	0800	14		294	11	60-10-25	1700	745		6790	13700
60-09-02	1200	7.7		360	7.5	60-10-26	0800	2340		3700	23400
60-09-03	0800	10.0		364	9.8	60-10-26	1000	2390		3220	20800
60-09-04	0800	10.0		369	10	60-10-26	1200	2390		2580	16600
60-09-05	1200	19		288	15	60-10-26	1400	2260		2130	13000
60-09-06	1200	9.6		140	3.6	60-10-26	1600	1950		2040	10700
60-09-07	1200	9.6		261	6.8	60-10-26	2000	1240		2240	7500
60-09-08	1200	9.2		262	6.5	60-10-27	0900	393		1800	1910
60-09-09	0800	8.2		284	6.3	60-10-28	1000	146		1020	402
60-09-10	1200	25		599	40	60-10-29	0900	105		651	185
60-09-11	0900	9.2		404	10	60-10-30	0900	87		448	105
60-09-12	1000	11		265	7.9	60-10-31	0900	92		398	99
60-09-13	0900	11		162	4.8	60-11-01	0900	76		339	70
60-09-14	1000	9.2		138	3.4	60-11-02	0900	62		354	59
60-09-15	0900	8.9		144	3.5	60-11-03	0900	57		312	48
60-09-16	1000	7.7		187	3.9	60-11-04	0900	57		351	54
60-09-17	0900	8.2		124	2.7	60-11-06	0900	64		214	37
60-09-18	1000	8.2		193	4.3	60-11-07	0900	54		172	25
60-09-19	0900	7.9		111	2.4	60-11-08	1000	52		196	28
60-09-20	1100	10.0		84	2.3	60-11-09	0900	51		283	39
60-09-21	0836	7.9		85	1.8	60-11-10	1000	73		434	86
60-09-22	0900	8.9		87	2.1	60-11-11	0900	49		272	36
60-09-23	1200	12		85	2.8	60-11-12	0900	50		316	43
60-09-24	0910	9.2		76	1.9	60-11-13	0900	48		337	44
60-09-25	0900	10.0		100	2.7	60-11-15	1030	51		354	49
60-09-26	0900	45		3390	412	60-11-16	0900	49		288	38
60-09-27	1100	20		438	24	60-11-17	0900	48		255	33
60-09-28	1000	14		242	9.1	60-11-18	1045	51		258	36
60-09-29	1300	9.6		124	3.2	60-11-19	1050	49		302	40
60-09-30	1200	9.2		96	2.4	60-11-20	0900	49		266	35
60-10-11	1300	7.4		68	1.4	60-11-21	0900	51		285	39
60-10-12	0800	110		3360	998	60-11-22	0900	50		241	33
60-10-12	1020	493		11500	15300	60-11-23	0900	47		274	35
60-10-12	1200	731		10600	20900	60-11-24	0900	51		269	37
60-10-12	1400	953		7680	19800	60-11-25	1100	49		270	36
60-10-12	1600	1110		6240	18700	60-11-26	0900	43		277	32
60-10-12	1750	1180		5500	17500	60-11-27	0910	49		242	32
60-10-12	1800	1190		5200	16700	60-11-28	0900	44		260	31
60-10-12	1930	1280		5420	18700	60-11-29	0900	46		268	33
60-10-12	2000	1250		5330	18000	60-12-01	1000	49		292	39
60-10-12	2400	1310		5440	19200	60-12-02	0900	49		254	34
60-10-13	0400	1370		4690	17300	60-12-03	0900	40		248	27
60-10-13	0615	1340		4120	14900	60-12-04	0900	42		256	29
60-10-13	0815	1340		3650	13200	60-12-05	1200	44		258	31
60-10-13	1120	1320		3360	12000	60-12-06	0900	43		278	32

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

569

			SUSPENDED SEDIMENT		SUSPENDED SEDIMENT					SUSPENDED SEDIMENT		SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
+++++																	
60-12-07	0900		70	278	53	61-03-18	0830		70	256	48						
60-12-08	0900		52	180	25	61-03-19	0815		76	171	35						
60-12-10	0915		49	233	31	61-03-20	0900		75	342	69						
60-12-11	1000		49	214	28	61-03-21	0900		60	96	16						
60-12-13	0905		61	233	38	61-03-22	0915		59	181	29						
60-12-14	0900		58	238	37	61-03-23	0900		51	220	30						
60-12-15	0900		57	237	36	61-03-25	0900		46	213	26						
60-12-16	0900		57	203	31	61-03-26	0900		46	230	29						
60-12-17	0900		58	252	39	61-03-27	0900		38	275	28						
60-12-18	0900		58	290	45	61-03-28	0900		40	311	34						
60-12-19	0900		52	278	39	61-03-29	0900		38	292	30						
60-12-20	0900		55	300	45	61-03-30	1000		51	199	27						
60-12-21	0900		83	345	77	61-03-31	1015		42	133	15						
60-12-22	0900		52	230	32	61-04-01	0900		43	170	20						
60-12-23	0900		52	312	44	61-04-02	0830		57	320	49						
60-12-24	0910		48	294	38	61-04-03	0930		57	302	46						
60-12-25	1000		52	301	42	61-04-09	0900		31	205	17						
60-12-26	0900		46	304	38	61-04-10	0900		48	289	37						
60-12-27	0900		49	318	42	61-04-11	0900		55	290	43						
60-12-28	0900		52	316	44	61-04-12	1000		39	250	26						
60-12-29	0900		50	315	43	61-04-13	0900		37	238	24						
60-12-30	0900		51	339	47	61-04-16	0915		34	240	22						
60-12-31	0900		54	286	42	61-04-17	0920		32	200	17						
61-01-01	0900		52	323	45	61-04-18	0900		32	248	21						
61-01-02	0915		55	286	42	61-04-19	0915		27	216	16						
61-01-03	0900		57	280	43	61-04-20	0930		25	176	12						
61-01-04	0900		51	286	39	61-04-21	0900		26	208	15						
61-01-05	0900		51	297	41	61-04-22	0810		26	214	15						
61-01-06	0900		48	257	33	61-04-23	0800		26	189	13						
61-01-07	0915		49	288	38	61-04-23	0900		24	190	12						
61-01-08	0930		51	296	41	61-04-25	0900		21	173	9.8						
61-01-09	0900		51	280	39	61-04-27	0913		21	142	8.1						
61-01-10	0915		49	285	38	61-04-27	1000		18	213	10						
61-01-11	0930		49	283	37	61-04-29	0900		18	210	10						
61-01-12	1000		46	276	34	61-04-30	0900		16	443	19						
61-01-13	0900		45	269	33	61-05-01	0700		67	2340	423						
61-01-14	1000		41	288	32	61-05-02	0830		40	2610	282						
61-01-15	0900		49	305	40	61-05-03	0900		52	1080	152						
61-01-16	0910		48	291	38	61-05-04	0800		30	302	24						
61-01-17	0930		48	296	38	61-05-05	0800		20	202	11						
61-01-18	0900		43	257	30	61-05-07	0900		27	340	25						
61-01-19	1000		46	250	31	61-05-08	1300		21	274	16						
61-01-20	1020		58	220	34	61-05-09	0930		16	234	10						
61-01-21	1000		46	129	16	61-05-10	0900		12	189	6.1						
61-01-22	1130		52	240	34	61-05-11	1230		14	183	6.9						
61-01-24	0900		44	266	32	61-05-12	1245		9.2	220	5.5						
61-01-28	0900		51	286	39	61-05-14	0900		7.7	158	3.3						
61-01-29	1030		52	298	42	61-05-15	1235		7.7	155	3.2						
61-02-02	0930		41	308	34	61-05-16	1300		6.9	203	3.8						
61-02-03	0900		43	218	25	61-05-17	1030		8.2	193	4.3						
61-02-04	0910		41	278	31	61-05-18	0900		457	12600	15500						
61-02-06	0900		42	320	36	61-05-19	0800		202	5820	3170						
61-02-07	0900		47	262	33	61-05-20	0730		68	1890	347						
61-02-08	0900		44	230	27	61-05-21	0900		40	622	67						
61-02-09	0900		45	249	30	61-05-22	0930		31	298	25						
61-02-10	0900		43	228	26	61-05-23	0930		90	244	59						
61-02-11	0930		43	267	31	61-05-24	0800		29	222	17						
61-02-12	1330		55	300	45	61-05-25	0900		22	243	14						
61-02-13	0900		49	280	37	61-05-26	0830		20	238	13						
61-02-14	0900		45	255	31	61-05-27	1730		19	203	10						
61-02-15	0900		43	156	18	61-05-28	0730		22	111	6.6						
61-02-17	0900		36	290	28	61-05-29	1900		20	157	8.5						
61-02-18	0915		37	283	28	61-05-30	2400		18	163	7.9						
61-02-19	0900		45	247	30	61-05-31	0730		17	143	6.6						
61-02-20	0900		39	289	30	61-06-01	0730		17	62	2.8						
61-02-21	0900		39	256	27	61-06-02	0800		14	84	3.2						
61-02-22	1430		39	157	17	61-06-03	0800		17	70	3.2						
61-02-23	0900		42	290	33	61-06-04	0800		187	5100	2570						
61-02-24	0900		47	265	34	61-06-04	2000		1130	4940	15100						
61-02-25	0915		44	304	36	61-06-05	1150		1210	6740	22000						
61-02-26	0900		41	274	30	61-06-05	1400		1260	5780	19700						
61-02-27	0930		36	239	23	61-06-05	1415		1230	4620	15300						
61-02-28	0830		53	260	37	61-06-06	0900		1290	3140	10900						
61-03-01	0900		34	192	18	61-06-06	1700		1540	2580	10700						
61-03-02	0900		31	255	21	61-06-06	1800		1590	2530	10900						
61-03-03	0900		30	286	23	61-06-06	2100		1470	2710	10800						
61-03-04	0900		28	279	21	61-06-07	0300		2280	3290	20300						
61-03-05	0900		27	248	18	61-06-07	0700		730	6200	12200						
61-03-06	0900		28	220	17	61-06-07	1100		1060	5360	15300						
61-03-07	0915		27	297	22	61-06-07	1500		1320	4570	16300						
61-03-08	0915		27	260	19	61-06-07	1900		1650	4840	21600						
61-03-09	0900		27	245	18	61-06-08	1100		2720	2320	17000						
61-03-10	0930		30	282	23	61-06-08	1500		2820	1830	13900						
61-03-11	0930		32	278	24	61-06-08	1700		2820	1680	12800						
61-03-12	0915		29	268	21	61-06-08	1900		2820	1740	13200						
61-03-14	0830		26	188	13	61-06-08	2300		2750	1730	12800						
61-03-15	0900		26	185	13	61-06-09	0600		2390	1840	11900						
61-03-16	0900		26	233	16	61-06-09	1000		2150	1940	11300						
61-03-17	0830		70	272	51	61-06-09	1400		1910	1720	8870						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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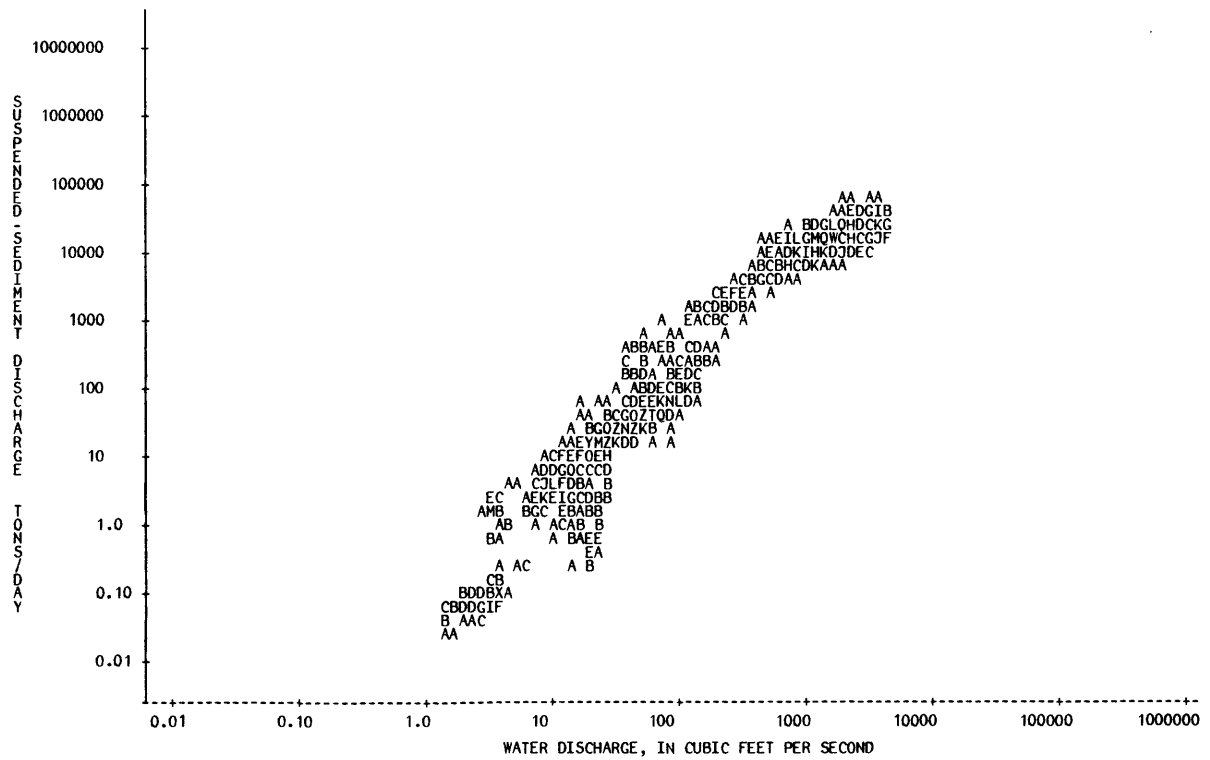
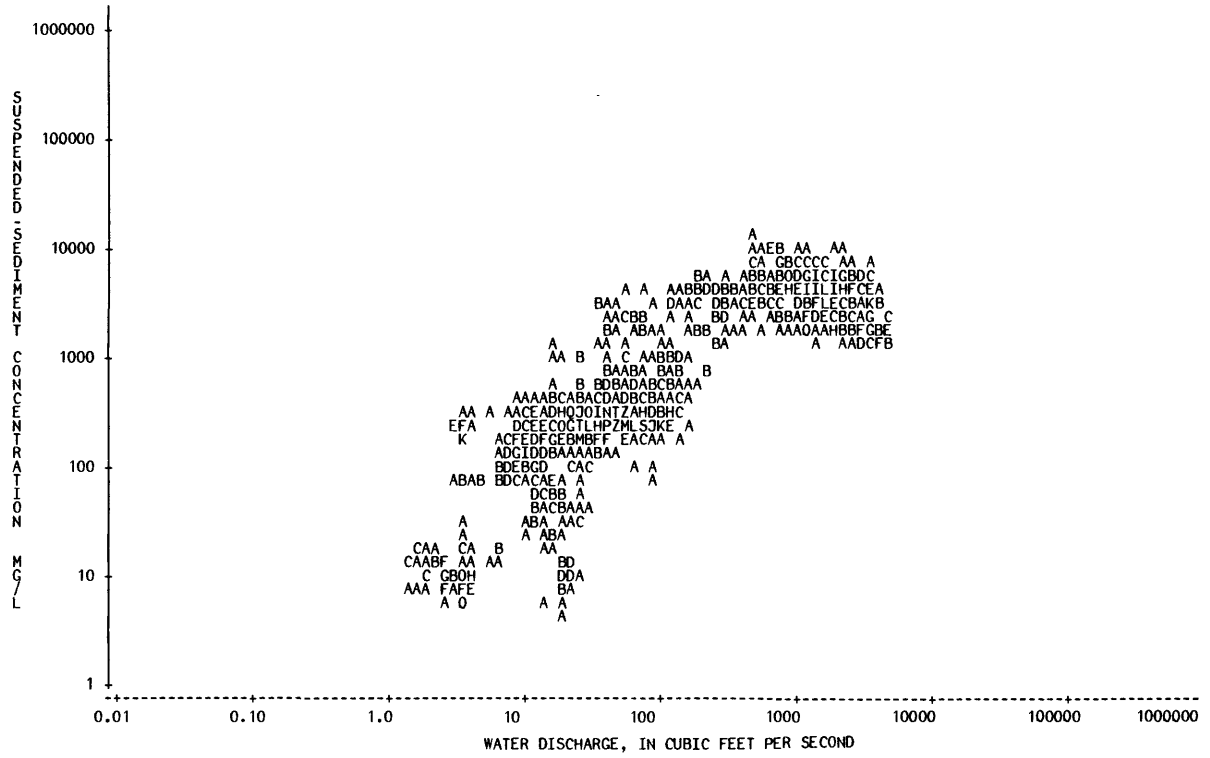
## RED RIVER BASIN

07304500 ELK CREEK NEAR HOBART, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-06-09	1810		1350	1960	7140	61-09-15		0800	15	61	2.5
61-06-09	2200		686	3110	5760	61-09-16	0930	14	104	3.9	
61-06-11	0700		182	1810	889	61-09-17	0800	13	103	3.6	
61-06-12	0600		132	1100	392	61-09-18	0730	11	100	3.0	
61-06-13	0610		100	746	201	61-09-19	0730	11	91	2.7	
61-06-14	0800		118	4120	1310	61-09-20	0900	12	101	3.3	
61-06-15	0700		172	2030	943	61-09-21	0900	12	99	3.2	
61-06-16	0710		92	618	154	61-09-23	0700	11	106	3.1	
61-06-17	0645		72	503	98	61-09-24	0800	2170	3170	18600	
61-06-18	0800		62	478	80	61-09-24	1000	2280	3140	19300	
61-06-19	0650		60	493	80	61-09-24	1200	2380	2770	17800	
61-06-20	0700		56	465	70	61-09-25	0710	262	2860	2020	
61-06-21	0700		51	432	59	61-09-26	0700	79	832	177	
61-06-22	0700		48	417	54	61-09-28	0730	43	224	26	
61-06-24	0700		43	375	44	61-09-29	0700	40	247	27	
61-06-25	0700		40	432	47	61-09-30	0730	32	213	18	
61-06-26	0600		132	1020	364						
61-06-27	0600		102	977	269						
61-06-28	0600		65	527	92						
61-06-29	0730		52	401	56						
61-07-02	0715		16	442	19						
61-07-03	0900		43	528	61						
61-07-04	1100		39	359	38						
61-07-05	0630		33	328	29						
61-07-06	0630		34	311	29						
61-07-07	0630		31	289	24						
61-07-08	0600		31	278	23						
61-07-09	0700		32	307	27						
61-07-10	0600		30	273	22						
61-07-11	0630		28	308	23						
61-07-12	0630		28	340	26						
61-07-13	0600		617	5200	8660						
61-07-14	0600		70	2360	446						
61-07-15	0700		42	688	78						
61-07-16	0630		36	302	29						
61-07-17	0530		32	163	14						
61-07-18	0600		30	335	27						
61-07-19	0600		28	344	26						
61-07-20	0700		26	349	24						
61-07-21	0830		151	4890	1990						
61-07-24	0700		35	391	37						
61-07-25	0630		25	276	19						
61-07-26	0700		22	94	5.6						
61-07-28	0700		21	287	16						
61-07-29	0700		8.5	248	5.7						
61-07-30	0700		12	215	7.0						
61-08-02	0700		14	155	5.9						
61-08-03	0630		12	61	2.0						
61-08-04	0700		13	61	2.1						
61-08-05	0815		14	195	7.4						
61-08-07	0700		16	224	9.7						
61-08-08	0630		16	190	8.2						
61-08-09	1030		18	210	10						
61-08-10	0730		16	165	7.1						
61-08-11	0700		14	140	5.3						
61-08-12	0730		13	179	6.3						
61-08-13	0730		10.0	227	6.1						
61-08-14	0800		35	289	27						
61-08-15	0635		17	320	15						
61-08-16	0705		14	272	10						
61-08-17	0730		29	286	22						
61-08-18	0740		12	200	6.5						
61-08-19	0830		13	243	8.5						
61-08-20	0730		894	4970	12000						
61-08-21	0800		123	1010	335						
61-08-22	0800		43	396	46						
61-08-23	0745		46	232	29						
61-08-24	0750		89	112	27						
61-08-25	1200		82	76	17						
61-08-26	0810		14	57	2.2						
61-08-27	0800		14	58	2.2						
61-08-28	1030		18	44	2.1						
61-08-29	0730		12	44	1.4						
61-08-30	0900		17	41	1.9						
61-08-31	0800		16	24	1.0						
61-09-01	0730		14	21	0.79						
61-09-02	0700		14	19	0.72						
61-09-03	0800		17	21	0.96						
61-09-04	0800		20	25	1.3						
61-09-05	0800		37	340	34						
61-09-06	0800		14	112	4.2						
61-09-07	1000		11	43	1.3						
61-09-08	0800		13	33	1.2						
61-09-09	0800		11	29	0.86						
61-09-10	0800		11	35	1.0						
61-09-11	0700		10.0	32	0.86						
61-09-12	0800		10.0	24	0.65						
61-09-13	0730		26	160	11						
61-09-14	0800		28	105	7.9						

\*\*\*\*\*  
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A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07304500 ELK CREEK NEAR HOBART, OKLA.



## RED RIVER BASIN

07305000 NORTH FORK RED RIVER NEAR HEADRICK, OKLA.

LOCATION.--Lat 34°38'04", long 99°05'47", in NW 1/4 NE 1/4 sec.21, T.2 N., R.18 W., Tillman County, Hydrologic Unit 11120303, near left bank on downstream side of pier of bridge on old U.S. Highway 62, 2.5 mi (4.0 km) east of Headrick, 12.9 mi (20.8 km) upstream from Otter Creek, and at mile 33.0 (53.1 km).

DRAINAGE AREA.--4,244 mi<sup>2</sup> (10,992 km<sup>2</sup>), of which 399 mi<sup>2</sup> (1,033 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1974-80.

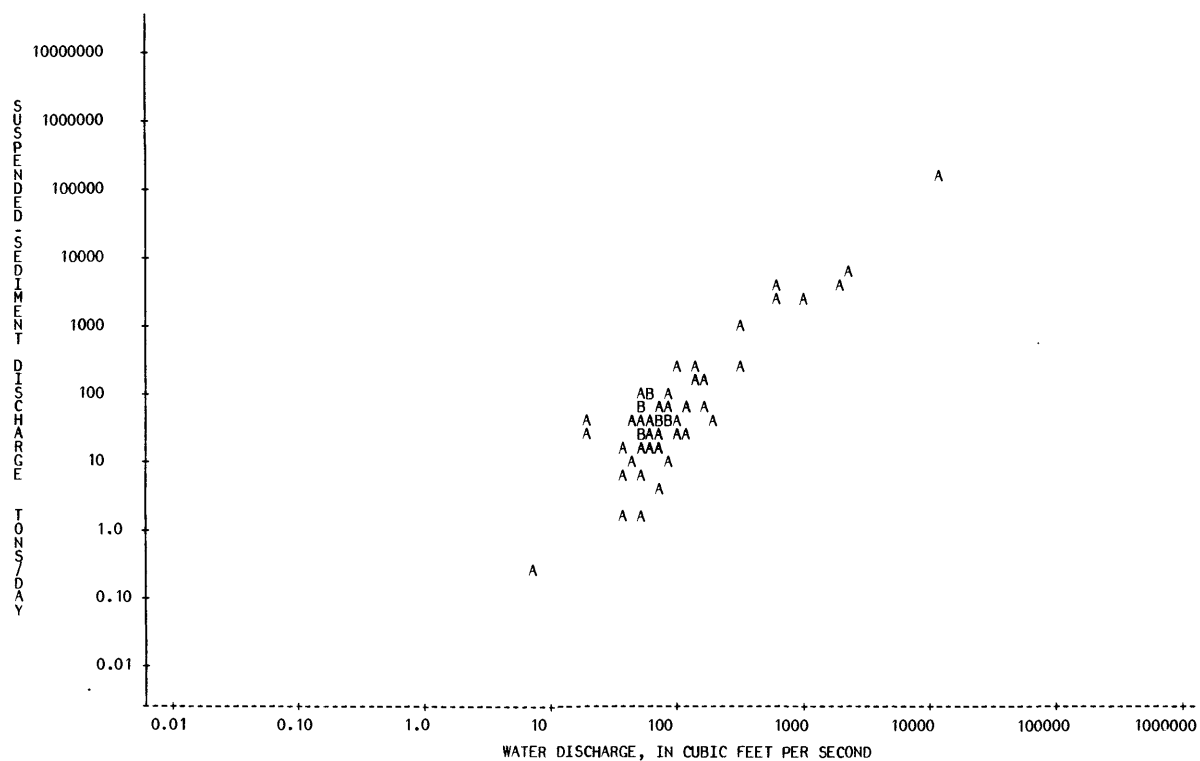
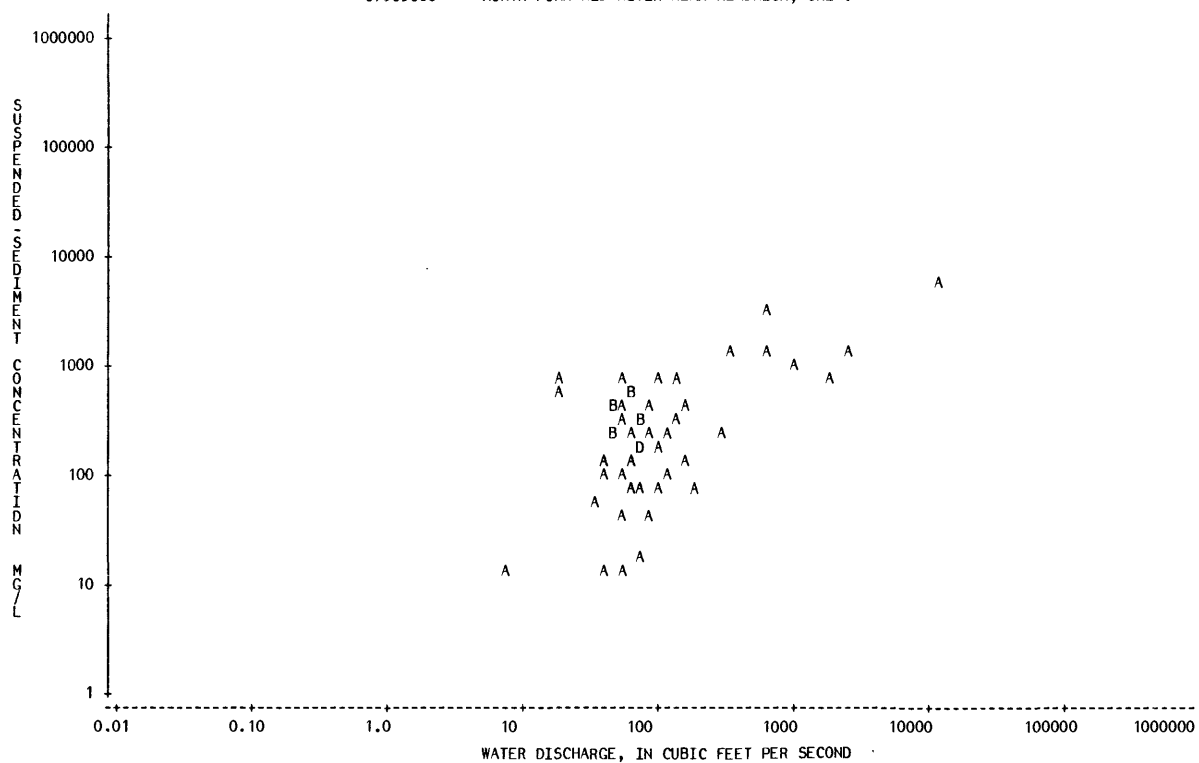
REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-10-08	1100		86	42	9.8
74-11-13	1200		304	259	213
75-02-25	1330		618	1440	2400
75-03-25	1200		182	83	41
75-04-24	1500		115	92	29
75-05-28	1200		126	217	74
75-06-24	1400		2340	1190	7520
75-08-30	1300		164	435	193
75-10-29	1745		70	84	16
76-10-19	1330		60	603	98
76-11-16	1415		52	43	6.0
76-12-20	1445		44	424	50
77-01-18	1500		51	374	51
77-02-16	1230		78	158	33
77-03-16	1230		42	104	12
77-04-19	1500		331	1340	1200
77-05-09	1730		1070	1020	2950
77-06-13	1330		166	145	65
77-07-19	1500		103	82	23
77-08-17	1245		105	178	50
77-09-21	1515		86	213	49
77-10-21	0900		50	410	55
77-11-28	1500		73	189	37
78-01-23	1430		65	147	26
78-02-23	1130		75	291	59
78-03-20	1400		79	167	36
78-04-25	1400		49	226	30
78-05-15	1630		54	282	41
78-06-05	1330		1850	697	3480
78-07-27	1100		66	79	14
78-08-28	1615		38	139	14
78-09-28	1115		147	332	132
78-10-18	1000		49	208	28
78-11-20	1345		66	272	48
78-12-11	1430		83	480	108
79-01-16	1120		64	619	107
79-02-14	1220		79	281	60
79-03-14	0945		55	724	108
79-04-11	1220		618	2940	4910
79-05-01	0930		70	163	31
79-07-10	0900		131	662	234
79-08-16	0900		105	746	211
79-09-25	1200		19	724	37
79-10-22	1600		18	598	29
79-11-26	1500		54	106	15
80-01-14	1300		38	14	1.4
80-02-21	0900		52	12	1.7
80-04-24	1030		35	58	5.5
80-05-16	1800		11800	5520	176000
80-06-25	0915		77	20	4.2
80-08-18	1400		7.0	14	0.26

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07305000 NORTH FORK RED RIVER NEAR HEADRICK, OKLA.



## RED RIVER BASIN

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.

LOCATION.--Lat 34°05'45", Long 99°46'40", Hardeman County, Hydrologic Unit 11130101, above mouth of Canal Creek and about 9 mi (14 km) northwest of Crowell.

DRAINAGE AREA.--

PERIOD OF RECORD.--Water years 1938-46.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-15	0001		884	13500	A 32200	38-11-06			13	600	A 21
38-06-15	0002		680	13000	A 23900	38-11-08			7.0	200	A 3.8
38-06-15	0003		596	12200	A 19600	38-11-10			4.0	400	A 4.3
38-06-24			17	630	A 29	38-11-11			4.0	400	A 4.3
38-06-25			15700	27400	A 1160000	38-11-13			3.0	100	A 0.81
38-06-26			4300	19800	A 230000	38-11-14			2.0	200	A 1.1
38-06-27			870	9400	A 22100	38-11-15			2.0	200	A 1.1
38-07-01			84	900	A 204	38-11-16			1.0	200	A 0.54
38-07-12			11	500	A 15	38-11-17			1.0	200	A 0.54
38-07-22			200	2000	A 1080	38-11-19			6.0	300	A 4.9
38-07-28			55	1100	A 163	39-01-08	0001		700	6300	A 11900
38-08-22			41	400	A 44	39-01-08	0002		56	400	A 60
38-10-10	0001		123	1800	A 598	39-01-08	0003		640	4900	A 8470
38-10-10	1330		400	4400	A 4750	39-01-08	0004		63	400	A 68
38-10-10	1520		316	3400	A 2900	39-01-08	0005		580	4700	A 7360
38-10-10	1715		235	2000	A 1270	39-01-08	0006		343	5000	A 4630
38-10-10	1815		198	2600	A 1390	39-01-08	0007		536	4500	A 6510
38-10-11	0001		270	2100	A 1530	39-01-08	0008		492	4700	A 6240
38-10-11	0002		257	2500	A 1730	39-01-08	0009		604	7800	A 12700
38-10-11	0003		257	2100	A 1460	39-01-08	0010		2320	14100	A 88300
38-10-11	0004		109	2200	A 647	39-01-08	0011		2210	15800	A 94300
38-10-11	0005		225	2200	A 1340	39-01-08	0012		1930	11400	A 59400
38-10-11	0006		127	2400	A 823	39-01-08	0013		1700	11200	A 51400
38-10-12	0001		48	1100	A 143	39-01-08	0014		1470	8800	A 34900
38-10-12	0002		28	700	A 53	39-01-08	0015		1140	8300	A 25500
38-10-13			23	500	A 31	39-01-08	0016		904	7200	A 17600
38-10-14			9.0	300	A 7.3	39-01-09	0001		8710	27300	A 642000
38-10-15			6.0	300	A 4.9	39-01-09	0002		8170	26700	A 589000
38-10-16			2.0	200	A 1.1	39-01-09	0003		6920	27600	A 516000
38-10-20	0001		805	5200	A 11300	39-01-09	0004		5280	24500	A 349000
38-10-20	0002		481	3600	A 4680	39-01-09	0005		4560	22700	A 279000
38-10-21			163	2500	A 1100	39-01-09	0006		2170	19700	A 115000
38-11-03	0001		9.0	2100	A 51	39-01-09	0007		1930	17300	A 90200
38-11-03	0002		334	1700	A 1530	39-01-09	0008		1620	16300	A 71300
38-11-03	0003		569	3100	A 4760	39-01-09	0009		1400	16100	A 60900
38-11-03	0004		410	1800	A 1990	39-01-10	0001		536	13200	A 19100
38-11-03	0005		628	3600	A 6100	39-01-10	0002		536	13200	A 19100
38-11-03	0006		604	3600	A 5870	39-01-10	0003		503	13200	A 17900
38-11-03	0007		361	2800	A 2730	39-01-10	0004		470	12600	A 16000
38-11-03	0008		316	3000	A 2560	39-01-10	0005		440	12800	A 15200
38-11-03	0009		361	1700	A 1660	39-01-10	0006		400	12600	A 13600
38-11-03	0010		38	4700	A 482	39-01-10	0007		380	12000	A 12300
38-11-03	0011		628	5700	A 9660	39-01-10	0008		361	11700	A 11400
38-11-04	0001		180	3400	A 1650	39-01-10	0009		343	11500	A 10700
38-11-04	0002		198	4100	A 2190	39-01-10	0010		334	10900	A 9830
38-11-04	0003		227	5600	A 3430	39-01-10	0011		316	10800	A 9210
38-11-04	0004		557	5800	A 8720	39-01-10	0012		298	10700	A 8610
38-11-04	0005		361	4700	A 4580	39-01-10	0013		272	10300	A 7560
38-11-04	0006		316	5400	A 4610	39-01-10	0014		257	9600	A 6660
38-11-04	0007		289	5200	A 4060	39-01-10	0015		208	9600	A 5390
38-11-04	0008		208	3500	A 1970	39-01-11	0001		547	7000	A 10300
38-11-04	0009		289	3700	A 2890	39-01-11	0002		525	6800	A 9640
38-11-05			45	1200	A 146	39-01-11	0003		492	6500	A 8630

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.--CONTINUED

575

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-01-11		D004	470	6100	A 7740	39-05-05		0003	33	700	A 62
39-01-11		0005	460	6500	A 8070	39-05-05		0004	32	700	A 60
39-01-11		DD06	440	5900	A 7010	39-05-05		0005	31	700	A 59
39-01-11		0007	420	5400	A 6120	39-05-05		0006	30	600	A 49
39-01-11		0008	400	5200	A 5620	39-05-05		0007	50	1400	A 189
39-01-11		0009	370	5000	A 4990	39-05-05		0008	48	1300	A 168
39-01-11		0010	352	1600	A 1520	39-05-05		0009	52	2100	A 295
39-01-12		0001	123	1900	A 631	39-05-05		0010	47	1400	A 178
39-01-12		0002	114	2500	A 769	39-05-05		0011	45	1300	A 158
39-01-12		0003	105	2400	A 680	39-05-05		0012	42	1000	A 113
39-01-12		0004	105	2600	A 737	39-05-05		0013	41	1100	A 122
39-01-12		0005	100	5000	A 1350	39-05-05		0014	39	1000	A 105
39-01-12		0006	97	4800	A 1260	39-05-08		0001	3370	21000	A 191000
39-01-12		0007	94	5100	A 1290	39-05-08		0002	3970	21200	A 227000
39-01-12		0008	91	1800	A 442	39-05-08		0003	3910	19000	A 201000
39-01-12		0009	88	1600	A 380	39-05-08		0004	2950	23500	A 187000
39-01-12		0010	85	1500	A 344	39-05-08		0005	2670	24100	A 174000
39-01-13		0001	56	700	A 106	39-05-08		0006	2400	24000	A 156000
39-01-13		0002	157	700	A 297	39-05-08		0007	2080	22900	A 129000
39-02-20			56	500	A 76	39-05-08		0008	1840	21600	A 107000
39-03-24		0001	440	23200	A 27600	39-05-08		0009	1620	20400	A 89200
39-03-24		0002	805	20600	A 44800	39-05-08		0010	1420	19800	A 75900
39-03-24		0003	958	29600	A 76600	39-05-08		0011	1310	18700	A 66100
39-03-25		0001	592	6300	A 10100	39-05-08		0012	1200	18200	A 59000
39-03-25		0002	503	6400	A 8690	39-05-08		0014	1090	16900	A 49700
39-03-25		0003	420	5900	A 6690	39-05-08		0015	1030	16400	A 45600
39-03-25		0004	745	9500	A 19100	39-05-09		0001	492	10600	A 14100
39-03-25		0005	569	8900	A 13700	39-05-09		0002	460	10100	A 12500
39-03-25		0006	569	7400	A 11400	39-05-09		0003	440	9000	A 10700
39-03-25		0007	745	7200	A 14500	39-05-09		0004	430	9200	A 10700
39-03-25		0008	125	5600	A 1890	39-05-09		0005	420	9000	A 10200
39-03-25		0009	123	5700	A 1890	39-05-09		0006	410	8500	A 9410
39-03-25		0010	114	5300	A 1630	39-05-09		0007	400	8000	A 8640
39-03-25		0011	307	5500	A 4560	39-05-09		0008	390	8200	A 8630
39-03-25		0012	242	5600	A 3660	39-05-09		0009	380	7500	A 7690
39-03-25		0013	192	5600	A 2900	39-05-09		0010	361	7400	A 7210
39-03-25		0014	163	6000	A 2640	39-05-09		0011	390	7200	A 7580
39-03-26		0001	88	2800	A 665	39-05-09		0012	343	6800	A 6300
39-03-26		0002	94	2600	A 660	39-05-09		0013	334	6000	A 5410
39-03-26		0003	94	1900	A 482	39-05-09		0014	325	5400	A 4740
39-03-26		0004	88	2100	A 499	39-05-09		0015	316	5400	A 4610
39-03-26		0005	123	3900	A 1300	39-05-10		0001	97	3500	A 917
39-03-26		0006	88	3900	A 927	39-05-10		0002	94	2300	A 584
39-03-26		0007	72	3700	A 719	39-05-10		0003	94	2100	A 533
39-03-26		0008	59	3400	A 542	39-05-10		0005	91	1800	A 442
39-03-26		0009	70	3400	A 643	39-05-10		0006	88	1600	A 380
39-03-26		0010	75	3000	A 607	39-05-10		0007	88	1600	A 380
39-03-26		0011	298	5700	A 4590	39-05-10		0008	85	1600	A 367
39-03-26		0012	257	5200	A 3610	39-05-10		0009	81	1600	A 350
39-03-26		0013	186	4400	A 2210	39-05-10		0010	78	1600	A 337
39-03-26		0014	151	4200	A 1710	39-05-10		0011	75	1300	A 263
39-03-26		0015	94	2300	A 584	39-05-10		0012	72	1400	A 272
39-03-27		0001	18	1900	A 92	39-05-10		0013	69	900	A 168
39-03-27		0002	7.0	700	A 13	39-05-10		0014	91	2000	A 491
39-03-27		0003	7.0	1100	A 21	39-05-11		0001	36	500	A 49
39-03-27		0004	6.0	1000	A 16	39-05-11		0002	35	300	A 28
39-03-27		0005	7.0	1100	A 21	39-05-11		0003	33	200	A 18
39-03-27		0006	11	1600	A 48	39-05-11		0004	32	400	A 35
39-03-27		0007	9.0	1400	A 34	39-05-11		0005	32	300	A 26
39-03-27		0008	9.0	1200	A 29	39-05-11		0006	31	200	A 17
39-03-27		0009	8.0	1000	A 22	39-05-11		0007	30	300	A 24
39-03-27		0010	16	2100	A 91	39-05-11		0008	29	300	A 23
39-03-27		0011	14	1800	A 68	39-05-11		0009	29	200	A 16
39-03-27		0012	13	1700	A 60	39-05-11		0010	28	400	A 30
39-03-27		0013	12	1700	A 55	39-05-13		0001	470	6100	A 7740
39-03-28		0001	994	15700	A 42100	39-05-13		0002	450	5800	A 7050
39-03-28		0002	1090	17600	A 51800	39-05-13		0003	420	6100	A 6920
39-03-28		0003	5200	35100	A 493000	39-05-13		0004	380	5300	A 5440
39-03-28		0004	7720	20300	A 423000	39-05-13		0005	343	5500	A 5090
39-03-29		0001	525	7100	A 10100	39-05-13		0006	460	5800	A 7200
39-03-29		0002	492	6400	A 8500	39-05-13		0007	280	3800	A 2870
39-03-29		0003	370	5900	A 5890	39-05-13		0008	325	5100	A 4480
39-03-29		0004	334	5500	A 4960	39-05-13		0009	450	6300	A 7650
39-03-29		0005	298	5400	A 4340	39-05-13		0010	298	4500	A 3620
39-03-29		0006	280	6000	A 4540	39-05-13		0012	234	9100	A 5750
39-03-29		0007	265	5500	A 3940	39-05-13		0013	198	3100	A 1660
39-03-30		0001	94	2400	A 609	39-05-13		0014	481	3800	A 4940
39-03-30		0002	88	2100	A 499	39-05-15		0001	81	2300	A 503
39-03-30		0003	56	1500	A 227	39-05-15		0002	78	1700	A 358
39-03-30		0004	52	1400	A 197	39-05-15		0003	78	1900	A 400
39-03-30		0005	204	2200	A 1210	39-05-15		0004	78	2400	A 505
39-03-31		0001	22	400	A 24	39-05-15		0005	75	1300	A 263
39-03-31		0002	21	400	A 23	39-05-15		0006	75	1100	A 223
39-03-31		0003	29	500	A 39	39-05-16		0001	289	6200	A 4840
39-03-31		0004	28	500	A 38	39-05-16		0002	272	5000	A 3670
39-03-31		0005	24	400	A 26	39-05-16		0003	272	4500	A 3300
39-03-31		0006	23	400	A 25	39-05-16		0004	410	8000	A 8860
39-05-05		0001	38	900	A 92	39-05-16		0005	390	8700	A 9160
39-05-05		0002	36	700	A 68	39-05-17		0001	192	2900	A 1500

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-05-17	0002		186	2500	A 1260	39-06-22	0005		1260	20600	A 70100
39-05-17	0003		180	2400	A 1170	39-06-22	0006		1180	18300	A 58300
39-05-20	0001		63	3500	A 595	39-06-22	0007		1090	1860	A 5470
39-05-20	0002		59	2900	A 462	39-06-22	0008		1010	17200	A 46900
39-05-20	0003		52	2000	A 281	39-06-22	0009		958	16100	A 41600
39-05-20	0004		45	1600	A 194	39-06-22	0010		886	15400	A 36800
39-05-20	0006		42	1200	A 136	39-06-22	0011		868	15100	A 35400
39-05-20	0007		343	1000	A 926	39-06-22	0012		850	13800	A 31700
39-05-20	0008		334	700	A 631	39-06-22	0013		904	13400	A 32700
39-05-20	0009		325	700	A 614	39-06-22	0014		904	12700	A 31000
39-05-20	0010		316	600	A 512	39-06-23	0001		652	8300	A 14600
39-05-20	0011		307	700	A 580	39-06-23	0002		616	8000	A 13300
39-05-20	0012		298	500	A 402	39-06-23	0003		580	7700	A 12100
39-05-20	0013		450	1200	A 1460	39-06-23	0004		558	6600	A 9940
39-05-21	0001		94	3600	A 914	39-06-23	0005		547	7000	A 10300
39-05-21	0002		91	3300	A 811	39-06-23	0006		536	7300	A 10600
39-05-21	0003		85	3000	A 688	39-06-23	0007		380	6000	A 6160
39-05-21	0004		78	2700	A 569	39-06-23	0008		361	5800	A 5650
39-05-21	0005		72	2900	A 564	39-06-24	0001		289	2700	A 2110
39-05-21	0006		65	3600	A 632	39-06-25	0001		78	1400	A 295
39-05-21	0007		61	4300	A 708	39-06-27			109	400	A 118
39-05-21	0008		54	2500	A 364	39-06-28	0001		525	14300	A 20300
39-05-21	0009		47	2000	A 254	39-06-28	0002		492	14700	A 19500
39-05-21	0010		41	2000	A 221	39-06-28	0003		470	15300	A 19400
39-05-21	0011		38	1900	A 195	39-06-28	0004		440	15200	A 18100
39-05-26	0001		481	9700	A 12600	39-06-29	0001		850	14200	A 32600
39-05-26	0002		868	25600	A 60000	39-06-29	0002		745	14300	A 28800
39-05-26	0003		2900	50700	A 397000	39-06-29	0003		525	11200	A 15900
39-05-26	0004		3430	43800	A 406000	39-06-29	0004		420	10700	A 12100
39-05-26	0005		2670	34700	A 250000	39-06-29	0005		343	9600	A 8890
39-05-26	0006		1990	31400	A 169000	39-06-29	0006		289	9200	A 7180
39-05-26	0007		1500	28500	A 115000	39-06-29	0007		257	9000	A 6250
39-05-26	0008		1220	19700	A 64900	39-06-29	0008		343	9100	A 8430
39-05-26	0010		868	17200	A 40300	39-06-29	0009		400	10300	A 11100
39-05-26	0011		775	16600	A 34700	39-06-29	0010		481	11400	A 14800
39-05-26	0012		688	16100	A 29900	39-06-29	0011		514	12000	A 16700
39-05-26	0013		592	14900	A 23800	39-06-29	0012		525	11600	A 16400
39-05-26	0014		525	14000	A 19800	39-06-29	0013		503	11800	A 16000
39-05-26	0015		868	15500	A 36300	39-06-29	0014		49	12000	A 1590
39-05-26	0016		652	13900	A 24500	39-06-30	0001		343	7000	A 6480
39-05-27	0001		470	12000	A 15200	39-06-30	0002		334	6600	A 5950
39-05-27	0002		536	9900	A 14300	39-06-30	0003		316	6200	A 5290
39-05-27	0003		492	9400	A 12500	39-06-30	0004		298	5500	A 4430
39-05-27	0004		503	9600	A 13000	39-06-30	0005		280	5100	A 3860
39-05-27	0005		410	9300	A 10300	39-06-30	0006		265	4700	A 3360
39-05-27	0006		361	8600	A 8380	39-06-30	0007		234	3900	A 2460
39-05-27	0007		450	8700	A 10600	39-06-30	0008		227	3800	A 2330
39-06-19	0001		1900	19200	A 98500	39-06-30	0009		219	3300	A 1950
39-06-19	0002		1620	15600	A 68200	39-06-30	0010		198	3000	A 1600
39-06-19	0003		1420	15100	A 57900	39-06-30	0011		186	2800	A 1410
39-06-19	0004		1110	13400	A 40200	39-06-30	0012		175	2500	A 1180
39-06-19	0005		958	13300	A 34400	39-07-01	0001		343	2100	A 1940
39-06-19	0006		715	13200	A 25500	39-07-01	0002		334	2200	A 1980
39-06-19	0007		628	12100	A 20500	39-07-01	0003		325	2200	A 1930
39-06-19	0008		580	12300	A 19300	39-07-01	0004		316	2300	A 1960
39-06-19	0009		1160	27900	A 87400	39-07-01	0005		307	2400	A 1990
39-06-20	0001		6740	36000	A 655000	39-07-01	0006		298	2500	A 2010
39-06-20	0002		9600	30200	A 783000	39-07-01	0007		272	2500	A 1840
39-06-20	0003		10600	33400	A 956000	39-07-01	0008		257	2600	A 1800
39-06-20	0004		9600	25100	A 651000	39-07-01	0009		250	2800	A 1890
39-06-20	0005		8800	23300	A 554000	39-07-01	0010		234	3300	A 2080
39-06-20	0006		7000	22800	A 431000	39-07-01	0011		227	3500	A 2150
39-06-20	0007		5670	32400	A 496000	39-07-02	0001		3550	17800	A 171000
39-06-20	0008		5130	39700	A 550000	39-07-02	0002		21400	42000	A 2430000
39-06-20	0009		4360	24600	A 290000	39-07-02	0003		24570	41400	A 2750000
39-06-20	0010		3850	20300	A 211000	39-07-02	0004		23500	37000	A 2350000
39-06-20	0011		2720	20700	A 152000	39-07-02	0005		24350	35000	A 2300000
39-06-20	0012		2720	20800	A 153000	39-07-02	0006		24020	37300	A 2420000
39-06-20	0013		6400	28200	A 487000	39-07-02	0007		22580	36900	A 2250000
39-06-21	0001		49400	17600	A 2350000	39-07-02	0008		17300	33600	A 1570000
39-06-21	0002		36300	27300	A 2680000	39-07-02	0009		13950	31200	A 1180000
39-06-21	0003		30800	28500	A 2370000	39-07-02	0010		12000	27700	A 897000
39-06-21	0004		26400	28300	A 2020000	39-07-02	0011		8440	25100	A 572000
39-06-21	0005		24900	31900	A 2140000	39-07-02	0012		7360	23300	A 463000
39-06-21	0006		22800	28800	A 1770000	39-07-03	0001		1750	17100	A 80800
39-06-21	0007		19100	33600	A 1730000	39-07-03	0002		1600	17000	A 73400
39-06-21	0008		19600	35300	A 1870000	39-07-03	0003		1450	17300	A 67700
39-06-21	0009		21200	32500	A 1860000	39-07-03	0004		1290	16400	A 57100
39-06-21	0010		19080	36300	A 1870000	39-07-03	0005		1160	15900	A 49800
39-06-21	0011		13300	35600	A 1280000	39-07-03	0006		1030	16800	A 46700
39-06-21	0012		9800	38300	A 1010000	39-07-03	0007		940	15500	A 39300
39-06-21	0013		9800	38700	A 1020000	39-07-03	0008		850	16500	A 37900
39-06-21	0014		6830	37100	A 684000	39-07-03	0009		745	14600	A 29400
39-06-21	0015		21400	38600	A 2230000	39-07-03	0010		730	15300	A 30200
39-06-21	0016		13800	52800	A 1970000	39-07-03	0011		688	15200	A 28200
39-06-22	0001		1520	20800	A 85400	39-07-04	0001		250	9800	A 6610
39-06-22	0002		1520	18600	A 76300	39-07-04	0002		234	13900	A 8780
39-06-22	0003		1400	18700	A 70700	39-07-04	0003		227	8100	A 4960
39-06-22	0004		1330	20900	A 75100	39-07-04	0004		227	8700	A 5330

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.--CONTINUED

577

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
39-07-04	0005		234	7600	A 4800	39-08-04	0003		2490	47500	A 319000
39-07-04	0006		234	7100	A 4490	39-08-04	0004		1780	36400	A 175000
39-07-04	0007		265	6700	A 4790	39-08-04	0005		1330	28500	A 102000
39-07-04	0008		257	6900	A 4790	39-08-04	0006		1110	24400	A 73100
39-07-04	0009		257	6200	A 4300	39-08-04	0007		940	24100	A 61200
39-07-04	0010		250	6200	A 4180	39-08-04	0008		820	20500	A 45400
39-07-04	0011		250	6200	A 4180	39-08-04	0009		775	19000	A 39800
39-07-04	0012		242	5800	A 3790	39-08-04	0010		745	19300	A 38800
39-07-04	0013		242	5000	A 3270	39-08-04	0011		715	16800	A 32400
39-07-04	0014		298	6400	A 5150	39-08-04	0013		1780	31000	A 149000
39-07-05	0001		127	3000	A 1030	39-08-04	0014		760	21900	A 44900
39-07-05	0002		123	2900	A 963	39-08-05	0001		234	8200	A 5180
39-07-05	0003		123	2800	A 930	39-08-05	0002		175	6700	A 3170
39-07-05	0004		118	2600	A 828	39-08-15	0001		352	10600	A 10100
39-07-05	0005		114	2400	A 739	39-08-15	0002		352	10200	A 9690
39-07-05	0006		109	2200	A 647	39-08-15	0003		343	10000	A 9260
39-07-05	0007		105	2100	A 595	39-08-15	0004		316	10200	A 8700
39-07-05	0008		100	2100	A 567	39-08-15	0005		289	10000	A 7800
39-07-05	0009		97	1800	A 471	39-08-15	0006		280	8900	A 6730
39-07-05	0010		94	2000	A 508	39-08-15	0007		273	8600	A 6340
39-07-06			65	10300	A 1810	39-08-15	0008		265	8400	A 6010
39-07-07			45	10200	A 1240	39-08-15	0009		257	6700	A 4650
39-07-18	0001		790	19200	A 41000	39-08-15	0010		242	7700	A 5030
39-07-18	0002		592	16600	A 26500	39-08-15	0011		227	7500	A 4600
39-07-18	0003		352	11600	A 11000	39-08-15	0012		219	7300	A 4320
39-07-18	0004		265	8200	A 5870	39-08-15	0013		265	9300	A 6650
39-07-18	0005		197	6900	A 3670	39-08-16	0001		460	7300	A 9070
39-07-18	0006		151	6000	A 2450	39-08-16	0002		492	9000	A 12000
39-07-18	0007		118	4500	A 1430	39-08-16	0003		503	8700	A 11800
39-07-18	0008		88	3700	A 879	39-08-16	0004		492	8700	A 11600
39-07-18	0009		62	3100	A 519	39-08-16	0005		470	8300	A 10500
39-07-18	0010		56	2000	A 302	39-08-16	0006		440	7800	A 9270
39-07-18	0011		47	1200	A 152	39-08-16	0007		352	7000	A 6650
39-07-18	0012		42	800	A 91	39-08-16	0008		289	6200	A 4840
39-07-19			17	200	A 9.2	39-08-16	0009		257	6000	A 4160
39-07-30	0001		380	7900	A 8110	39-08-16	0010		227	5600	A 3430
39-07-30	0002		361	9800	A 9550	39-08-17	0001		186	2300	A 1160
39-07-30	0003		334	10800	A 9740	39-08-17	0002		186	2000	A 1000
39-07-30	0004		316	11100	A 9470	39-08-17	0003		180	2100	A 1020
39-07-30	0005		289	10900	A 8510	39-08-17	0004		175	2000	A 945
39-07-30	0006		257	10300	A 7150	39-08-17	0005		169	1900	A 867
39-07-30	0007		227	9300	A 5700	39-08-18			100	700	A 189
39-07-30	0008		204	8800	A 4850	39-10-09	0001		1500	18100	A 73300
39-07-30	0009		186	7900	A 3970	39-10-09	0002		1070	18800	A 54300
39-07-30	0010		175	6700	A 3170	39-10-09	0003		868	18000	A 42200
39-07-30	0012		151	6100	A 2490	39-10-09	0004		760	14300	A 29300
39-07-30	0013		145	5500	A 2150	39-10-09	0005		760	13100	A 26900
39-07-30	0014		136	5300	A 1950	39-10-09	0006		820	13200	A 29200
39-07-30	0015		145	6000	A 2350	39-10-09	0007		820	12900	A 28600
39-07-31	0001		69	3200	A 596	39-10-09	0008		868	13200	A 30900
39-07-31	0002		100	4100	A 1110	39-10-09	0009		958	15300	A 39600
39-07-31	0003		141	5200	A 1980	39-10-09	0010		1290	14300	A 49800
39-07-31	0004		187	6800	A 3430	39-10-09	0011		1200	12700	A 41100
39-07-31	0005		199	7300	A 3920	39-10-09	0012		1110	11200	A 33600
39-07-31	0006		212	6900	A 3950	39-10-09	0013		745	12500	A 25100
39-07-31	0007		212	6600	A 3780	39-10-09	0014		1030	13200	A 36700
39-07-31	0008		199	7300	A 3920	39-10-10			47	2000	A 254
39-07-31	0009		180	7500	A 3640	39-10-10	0001		280	7000	A 5290
39-07-31	0010		163	7600	A 3340	39-10-10	0002		272	6800	A 4990
39-07-31	0011		141	7400	A 2820	39-10-10	0003		272	6700	A 4920
39-07-31	0012		123	8000	A 2660	39-10-10	0004		280	7100	A 5370
39-07-31	0013		114	7600	A 2340	39-10-10	0005		298	6900	A 5550
39-07-31	0014		105	7600	A 2150	39-10-10	0006		325	6900	A 6050
39-08-01	0001		100	4700	A 1270	39-10-10	0007		343	7400	A 6850
39-08-01	0002		97	3900	A 1020	39-10-10	0008		325	7200	A 6320
39-08-01	0003		94	3200	A 812	39-10-10	0009		316	7300	A 6230
39-08-01	0004		94	2700	A 685	39-10-10	0010		307	7300	A 6050
39-08-01	0005		91	2600	A 639	39-10-10	0011		289	7200	A 5620
39-08-01	0006		88	2400	A 570	39-10-11	0001		272	5200	A 3820
39-08-01	0007		72	1800	A 350	39-10-11	0002		272	5200	A 3820
39-08-01	0008		69	1700	A 317	39-10-11	0003		265	5200	A 3720
39-08-01	0009		67	1600	A 289	39-10-11	0004		257	5200	A 3610
39-08-01	0010		65	1300	A 228	39-10-11	0005		250	5200	A 3510
39-08-01	0011		61	1400	A 231	39-10-11	0006		242	5100	A 3330
39-08-01	0012		81	2300	A 503	39-10-11	0007		227	5000	A 3060
39-08-02	0001		72	600	A 117	39-10-11	0008		219	5100	A 3020
39-08-02	0002		69	600	A 112	39-10-11	0009		212	5100	A 2920
39-08-02	0003		67	400	A 72	39-10-11	0010		219	4900	A 2900
39-08-02	0004		67	400	A 72	39-10-11	0011		198	4700	A 2510
39-08-02	0005		65	400	A 70	39-10-12	0001		54	2300	A 335
39-08-03	0001		13	200	A 7.0	39-10-12	0002		52	2200	A 309
39-08-03	0002		547	12200	A 18000	39-10-12	0003		50	2100	A 283
39-08-03	0003		580	9800	A 15300	39-10-12	0004		50	2000	A 270
39-08-03	0004		450	7600	A 9230	39-10-12	0005		48	1900	A 246
39-08-03	0005		361	4700	A 4580	39-10-12	0006		47	1800	A 228
39-08-03	0006		250	5800	A 3910	39-10-12	0007		45	1700	A 207
39-08-03	0007		169	5400	A 2460	39-10-12	0008		45	1600	A 194
39-08-04	0001		676	19500	A 35600	39-10-12	0009		47	1500	A 190
39-08-04	0002		4100	51200	A 567000	39-10-12	0010		41	1300	A 144

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

578

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
39-10-12	0011		39	1200	A 126	40-06-24	0008		420	16700	A 18900
39-10-12	0012		41	2000	A 221	40-06-24	0009		410	16000	A 17700
39-10-13	0001		21	500	A 28	40-06-24	0010		410	15200	A 16800
39-10-13	0002		20	500	A 27	40-06-24	0011		400	14700	A 15900
39-10-14			16	200	A 8.6	40-06-24	0012		390	14100	A 14800
40-04-28	0001		352	17300	A 16400	40-06-24	0013		503	26700	A 36300
40-04-28	0002		316	16100	A 13700	40-06-25	0001		123	7200	A 2390
40-04-28	0003		234	13300	A 8400	40-06-25	0002		100	5700	A 1540
40-04-28	0004		410	13500	A 14900	40-06-25	0003		97	3200	A 838
40-04-28	0005		569	17900	A 27500	40-08-12			15	2700	A 109
40-04-28	0006		514	14800	A 20500	40-08-15			745	12800	A 25700
40-04-28	0007		450	12400	A 15100	40-08-16	0001		2440	25400	A 167000
40-04-28	0008		835	12600	A 28400	40-08-16	0002		2720	22700	A 167000
40-04-28	0009		4910	38400	A 509000	40-08-16	0003		514	22900	A 31800
40-04-28	0010		6490	32400	A 568000	40-08-21			88	7800	A 1850
40-04-28	0011		8710	35400	A 833000	40-08-24			28	600	A 45
40-04-29	0001		1090	22600	A 66500	40-09-03			628	10600	A 18000
40-04-29	0002		1030	17100	A 47600	40-09-04			52	900	A 126
40-04-29	0003		958	16300	A 42200	40-09-07			18	2200	A 107
40-04-29	0004		904	16600	A 40500	40-09-26			23	200	A 12
40-04-29	0005		850	15500	A 35600	41-03-15			105	6800	A 1930
40-04-29	0006		805	14100	A 30600	41-04-30	0001		10100	33500	A 914000
40-04-29	0007		745	12300	A 24700	41-04-30	0002		3860	20500	A 214000
40-04-29	0008		676	14000	A 25600	41-05-01			730	8100	A 16000
40-04-29	0009		605	13500	A 22100	41-05-09			191	1100	A 567
40-04-29	0010		525	12500	A 17700	41-05-11			18400	29600	A 1470000
40-04-29	0011		492	12100	A 16100	41-05-12			1860	30600	A 154000
40-04-29	0012		440	13700	A 16300	41-05-21			10400	31800	A 893000
40-04-29	0013		440	11500	A 13700	41-06-01			13500	51900	A 1890000
40-04-29	0015		640	15100	A 26100	41-06-06			58900	40800	A 6490000
40-04-29	0 0014		1010	18200	A 49600	41-06-26			1640	15500	A 68600
40-04-30	0001		289	6300	A 4920	41-06-27			331	5000	A 4470
40-04-30	0002		272	7400	A 5430	41-07-07			158	1500	A 640
40-04-30	0003		265	7900	A 5650	41-08-09	0001		706	19200	A 36600
40-04-30	0004		242	8200	A 5360	41-08-09	0002		338	7700	A 7030
40-04-30	0005		219	9100	A 5380	41-08-12			19	200	A 10
40-04-30	0006		198	6100	A 3260	41-08-22			934	18500	A 46700
40-04-30	0007		192	5800	A 3010	41-08-23	0001		6120	23800	A 393000
40-04-30	0008		186	6300	A 3160	41-08-23	0002		12100	16800	A 549000
40-04-30	0009		180	6300	A 3060	41-08-24			766	14300	A 29600
40-04-30	0010		175	5500	A 2600	41-09-01			42	600	A 68
40-04-30	0011		162	5000	A 2190	41-09-03			48	700	A 91
40-04-30	0012		151	4900	A 2000	41-10-02			870	9100	A 21400
40-04-30	0013		265	6800	A 4870	41-10-14			61	600	A 99
40-05-01	0001		127	3000	A 1030	41-12-13			270	1300	A 948
40-05-01	0002		109	2800	A 824	42-04-13			163	4800	A 2110
40-05-01	0003		97	2800	A 733	42-07-22			194	2200	A 1150
40-05-01	0004		91	2700	A 663	42-08-25			52	700	A 98
40-05-01	0005		88	2600	A 618	42-09-22			252	2800	A 1910
40-05-01	0006		85	2600	A 597	42-10-15			1810	6700	A 32700
40-05-01	0007		78	2100	A 442	42-10-18			290	5900	A 4620
40-05-01	0008		75	2100	A 425	42-10-23			89	500	A 120
40-05-01	0009		72	2000	A 389	43-06-05			2260	14400	A 87900
40-05-01	0010		69	1800	A 335	43-06-06			345	5800	A 5400
40-05-01	0011		69	1700	A 317	44-05-29			244	2700	A 1780
40-05-02			39	700	A 74	44-06-14			7140	22800	A 440000
40-05-04			15	300	A 12	44-08-28			41	5800	A 642
40-05-28	0001		6320	30400	A 519000	45-09-30			251	1400	A 949
40-05-28	0002		1330	11600	A 41700	45-11-29			4.0	300	A 3.2
40-05-28	0003		4690	27500	A 348000						
40-05-28	0004		20800	28100	A 1580000						
40-05-28	0005		19000	26300	A 1350000						
40-05-28	0006		13100	24500	A 867000						
40-05-28	0007		9500	27100	A 695000						
40-05-28	0008		8170	27500	A 607000						
40-05-28	0009		5130	39100	A 542000						
40-05-28	0010		4040	28300	A 309000						
40-05-28	0011		3110	26000	A 218000						
40-05-28	0012		2620	20300	A 144000						
40-05-29	0001		547	15100	A 22300						
40-05-29	0002		536	14600	A 21100						
40-05-29	0003		514	14300	A 19800						
40-05-29	0004		460	12900	A 16000						
40-05-29	0005		460	12300	A 15300						
40-05-29	0006		450	11900	A 14500						
40-05-29	0007		492	13700	A 18200						
40-05-30	0001		257	5400	A 3750						
40-05-30	0002		242	5200	A 3400						
40-05-30	0003		227	4800	A 2940						
40-05-30	0004		212	4800	A 2750						
40-05-30	0005		204	4500	A 2480						
40-05-31			104	1000	A 281						
40-06-24	0001		628	25200	A 42700						
40-06-24	0002		547	31500	A 46500						
40-06-24	0003		503	27600	A 37500						
40-06-24	0004		460	22700	A 28200						
40-06-24	0005		460	20900	A 26000						
40-06-24	0006		450	19300	A 23400						
40-06-24	0007		430	17700	A 20500						

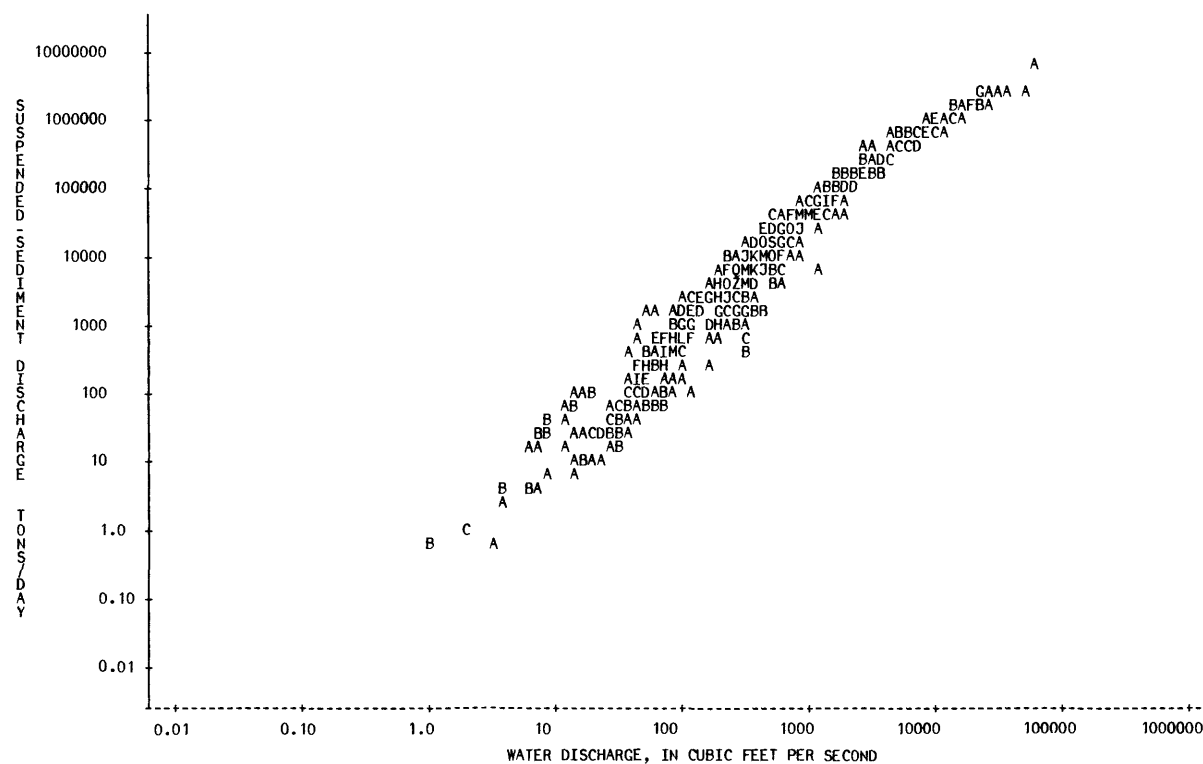
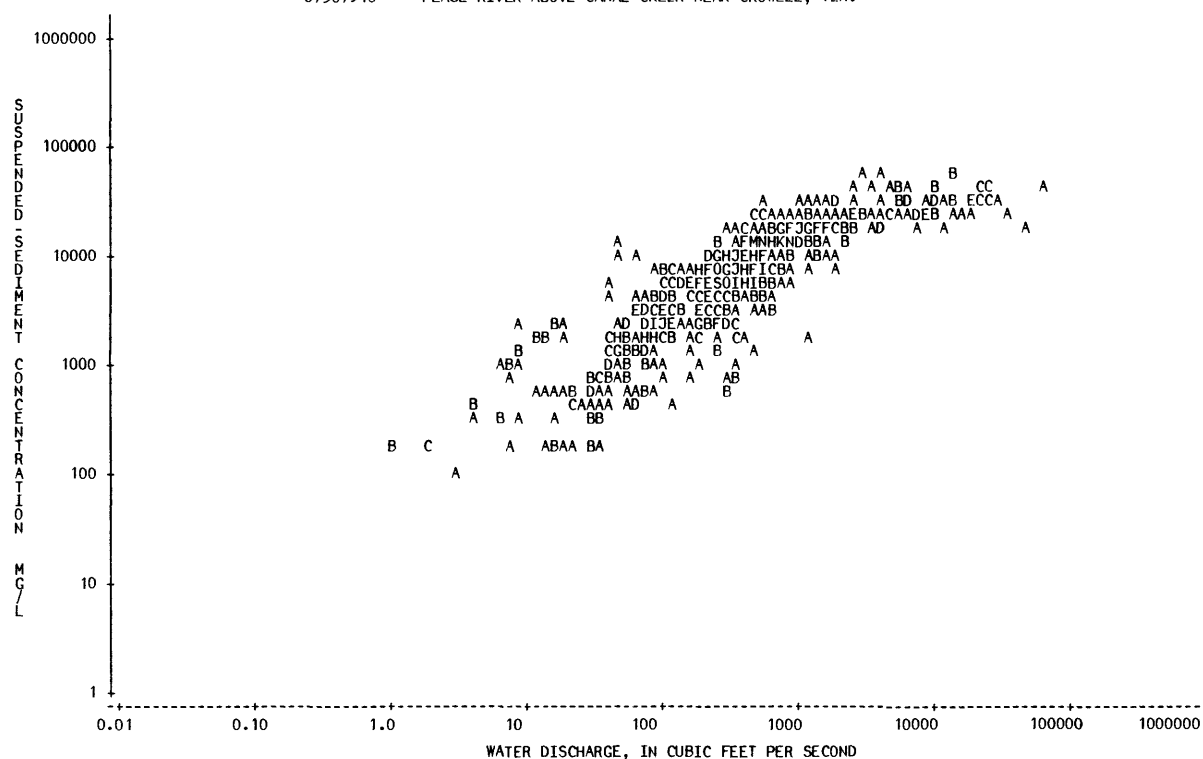
\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07307948 PEASE RIVER ABOVE CANAL CREEK NEAR CROWELL, TEX.



## RED RIVER BASIN

07308500 RED RIVER NEAR BURKBURNETT, TEX.

LOCATION.--Lat 34°06'36", long 98°31'53", Cotton County, Okla., Hydrologic Unit 11130102, on left bank at downstream side of bridge on U.S. Highways 277 and 281, 2.5 mi (4.0 km) northeast of Burkburnett, and at mile 933 (1,501 km).

DRAINAGE AREA.--20,570 mi<sup>2</sup> (53,280 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1975-79.

REMARKS.--Many small diversions for irrigation upstream from station. Suspended-sediment particle-size data available.

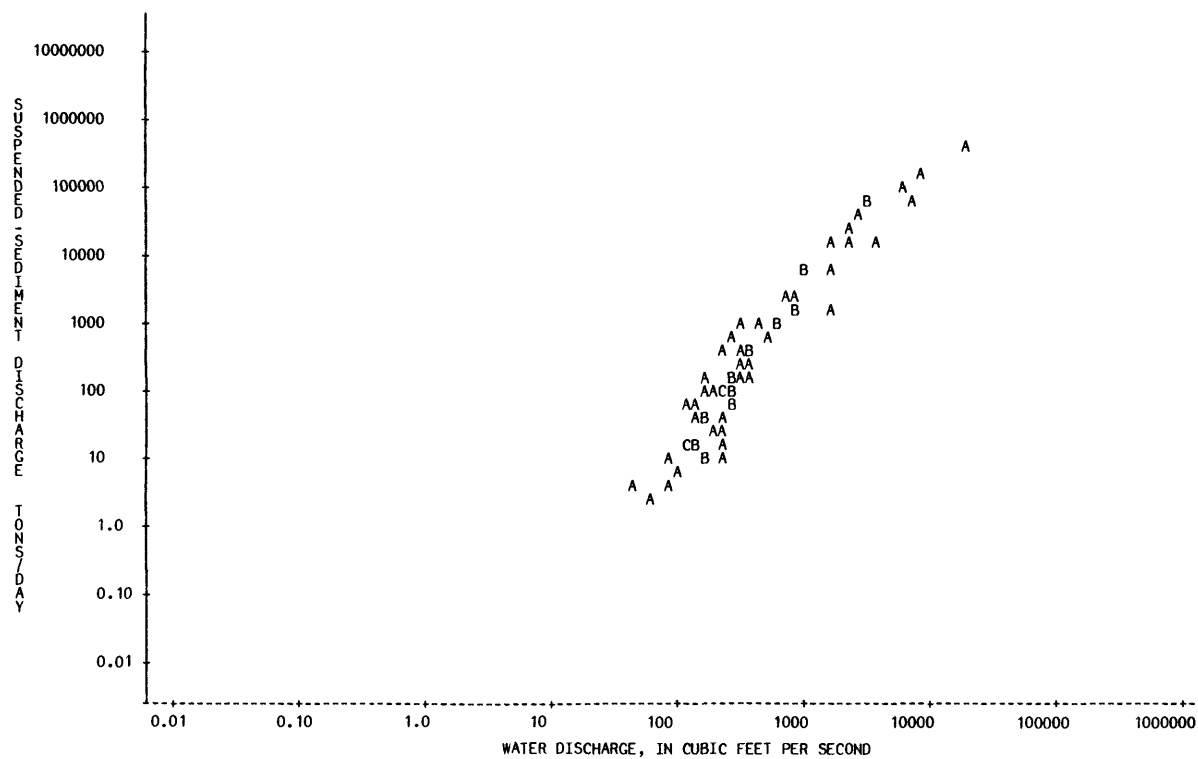
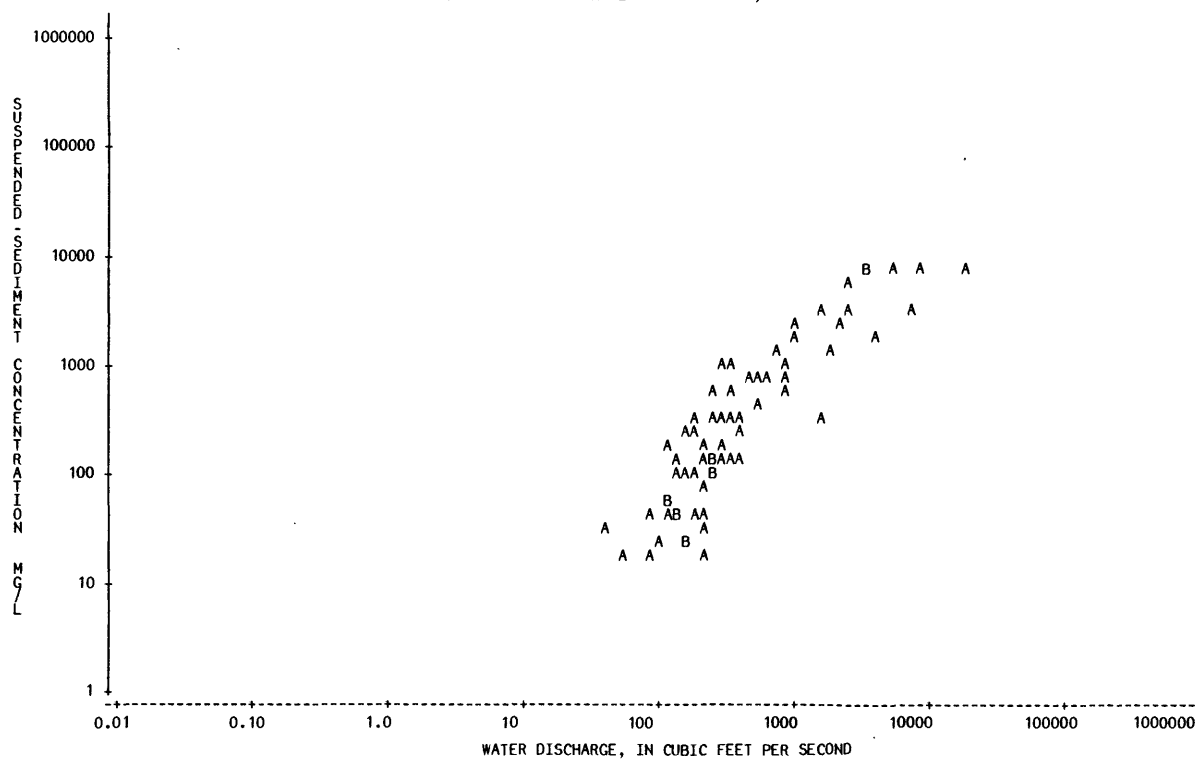
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-10-15	1000		388	148	155	79-07-10	1000		700	1240	2340
74-11-05	0930		5740	7460	116000	79-08-21	1125		475	725	930
74-12-02	1530		362	349	341	79-09-11	1005		340	517	475
75-01-08	1100		565	736	1120	79-11-05	1740		284	1020	782
75-04-25	1230		343	995	921	79-12-04	1040		190	225	115
75-05-13	1000		257	291	202	80-01-15	0915		154	25	10
75-07-22	1000		1020	2000	5510	80-02-20	1010		242	141	92
75-08-05	1030		1770	1470	7030	80-03-18	0950		147	41	16
75-09-23	1010		1670	304	1370	80-04-22	0900		116	59	18
75-10-08	1400		227	139	85	80-05-20	1010		2510	4930	33400
75-11-06	1000		1660	3460	15500	80-06-10	0920		3970	1610	17300
75-12-17	1200		383	235	243	80-07-22	1010		174	293	138
76-01-08	1600		390	320	337	80-08-19	0930		136	45	17
76-02-25	1300		217	169	99	80-09-16	0930		42	36	4.1
76-03-18	1500		257	92	64						
76-04-07	1200		213	43	25						
76-05-27	1400		3400	7490	68800						
76-06-09	0900		521	464	653						
76-07-22	1400		160	251	108						
76-08-04	1500		119	42	13						
76-09-16	1330		7000	3180	60100						
76-10-14	1200		237	554	355						
76-11-04	1200		601	688	1120						
76-12-08	1200		217	67	39						
77-01-06	1250		222	32	19						
77-02-24	1000		222	20	12						
77-03-17	0830		165	26	12						
77-04-20	1410		2350	3230	20500						
77-05-05	0930		3220	6860	59600						
77-06-15	1330		915	790	1950						
77-07-14	0800		325	155	136						
77-08-04	1400		878	589	1400						
77-09-02	0900		2170	2380	13900						
77-10-19	1455		57	19	2.9						
77-11-03	0900		139	141	53						
77-12-14	1200		174	102	48						
78-01-12	0920		100	22	5.9						
78-03-09	1010		296	319	255						
78-04-11	1420		136	103	38						
78-05-09	1145		797	1050	2260						
78-06-06	1235		19200	7530	390000						
78-07-11	1045		268	128	93						
78-08-15	1310		195	46	24						
78-09-12	1100		126	59	20						
78-10-17	1135		126	177	60						
78-11-07	0930		90	42	10						
78-12-05	1420		160	97	42						
79-01-09	1200		85	17	3.9						
79-02-13	0850		250	110	74						
79-03-06	0950		275	192	143						
79-04-10	1355		285	151	116						
79-05-08	1130		1000	2410	6510						
79-06-12	1210		9000	7190	175000						

\*\*\*\*\*

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07308500 RED RIVER NEAR BURKBURNETT, TEX.



## RED RIVER BASIN

07311000 EAST CACHE CREEK NEAR WALTERS, OKLA.

LOCATION.--Lat 34°21'44", long 98°16'56", on south line of SE 1/4 SE 1/4 sec.19, T.2 S., R.10 W., Cotton County, Hydrologic Unit 11130202, at right bank on downstream side of bridge on State Highway 53, 1.8 mi (2.9 km) east of Walters, 12.2 mi (19.6 km) upstream from West Cache Creek, and at mile 19.7 (31.7 km).

DRAINAGE AREA.--675 mi<sup>2</sup> (1,748 km<sup>2</sup>).

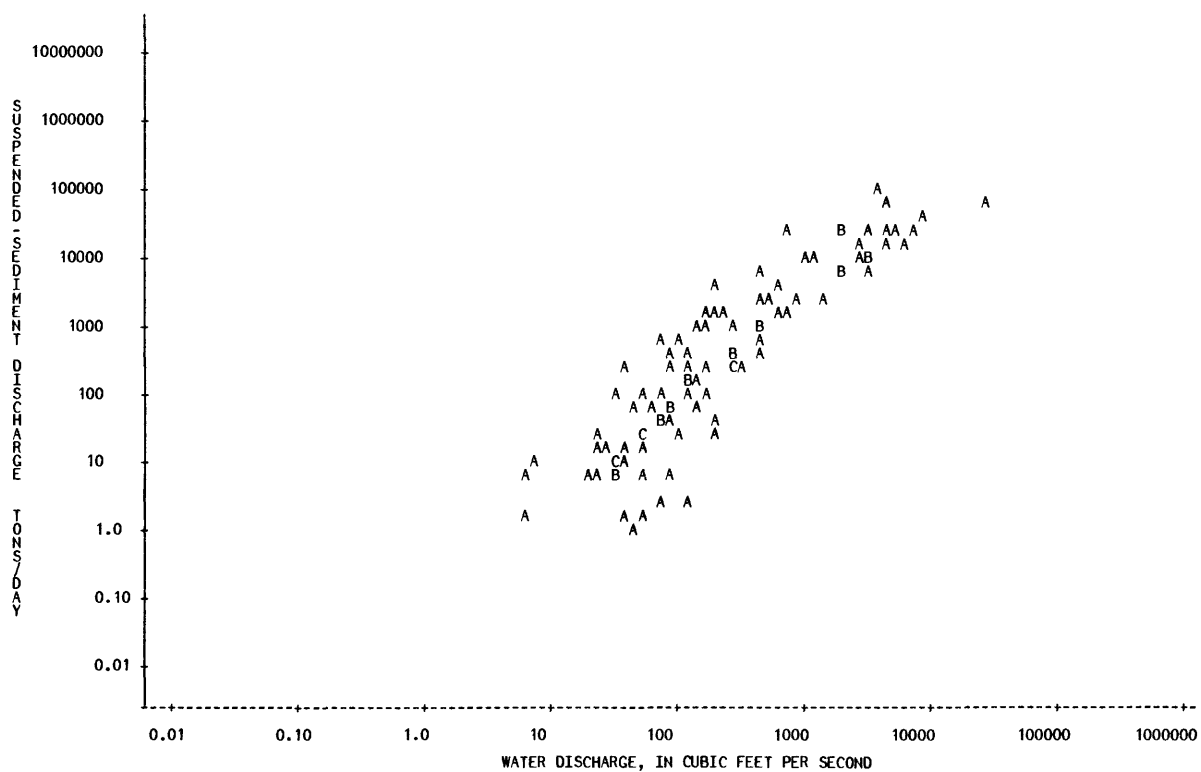
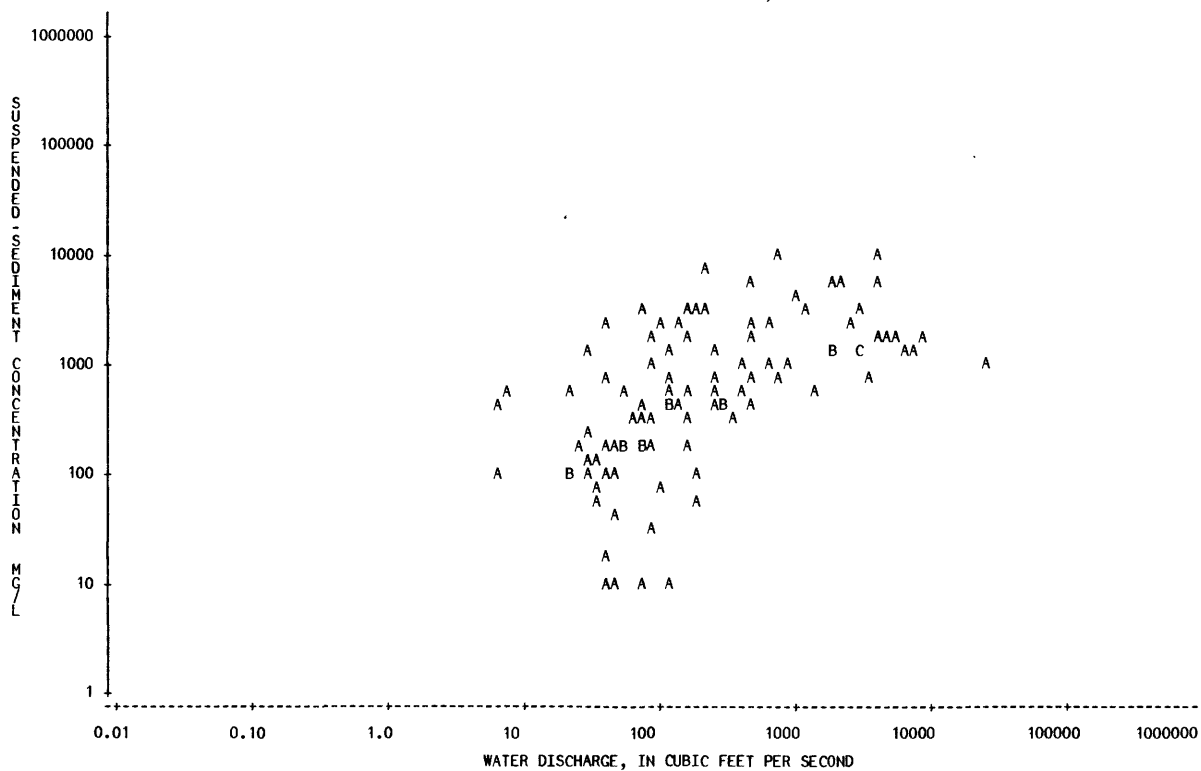
PERIOD OF RECORD.--Water years 1938-47, 1951, 1953-55, 1959-63.

REMARKS.--Flow partly regulated by Lake Lawtonka prior to late 1953 and thereafter by Lake Thomas, and since 1963 by Lake Ellsworth. Prior to October 1969, published as Cache Creek near Walters.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-09-29			21	100	A 5.7	53-03-31			2620	2200	A 15600
38-10-19			24	200	A 13	53-04-01			158	2000	A 853
38-10-27			6.0	100	A 1.6	53-06-07			4120	1800	A 20000
39-03-21			6.0	400	A 6.5	53-06-08			1860	1300	A 6530
39-04-01			22	500	A 30	54-05-27			459	2500	A 3100
39-08-10			76	3000	A 616	55-09-26			2990	3200	A 25800
40-04-12			770	10700	A 22200	59-05-10			665	2550	A 4580
40-05-01			38	2700	A 277	59-05-13			90	1120	A 272
40-05-29			184	2800	A 1390	59-05-23			1090	2780	A 8180
40-06-05			7.0	500	A 9.5	59-05-28			4540	1720	A 21100
40-06-18			31	1300	A 109	59-07-07			115	370	A 115
40-06-25			432	5300	A 6180	59-07-30			233	2820	A 1770
40-07-03			2030	5000	A 27400	59-11-19			91	30	A 7.4
40-07-04			161	3300	A 1430	60-02-17			193	50	A 26
40-11-29			157	600	A 254	60-03-09			117	10	A 3.2
41-02-02			1950	1500	A 7900	60-04-01			99	80	A 21
41-02-26			441	400	A 476	60-05-11			76	190	A 39
42-08-26			1830	5600	A 27700	60-10-19			7690	1420	A 29500
42-08-27			3100	1400	A 11700	60-11-09			34	60	A 5.5
42-08-28			480	1800	A 2330	61-03-09			48	40	A 5.2
42-09-11			206	8700	A 4840	61-06-07			1320	630	A 2250
42-09-26			408	600	A 661	61-09-20			92	170	A 42
42-10-17			267	1400	A 1010	61-10-11			118	1320	A 421
42-10-24			190	100	A 51	61-11-02			143	2280	A 880
43-05-10			3830	10800	A 112000	61-11-12			78	10	A 2.1
43-05-11			8250	1600	A 35600	62-01-24			55	180	A 27
43-05-12			3380	800	A 7300	62-02-04			260	660	A 463
43-05-14			427	900	A 1040	62-03-06			48	110	A 14
43-05-18			5090	1700	A 23400	62-03-27			39	110	A 12
43-05-22			2830	1200	A 9170	62-04-16			33	70	A 6.2
43-05-25			599	900	A 1460	62-05-07			81	1760	A 385
43-07-02			124	800	A 268	62-05-28			2980	1230	A 9900
44-04-11			4120	5300	A 59000	62-05-29			450	850	A 1030
44-06-12			97	2100	A 550	62-06-27			151	180	A 73
44-06-22			65	300	A 53	62-08-13			335	350	A 317
44-06-30			42	700	A 79	62-10-23			39	160	A 17
44-12-01			22	100	A 5.9	62-12-04			714	740	A 1430
45-01-19			845	900	A 2050	62-12-17			50	10	A 1.3
45-03-09			158	300	A 128	63-01-07			43	10	A 1.2
45-03-23			274	400	A 296	63-01-30			37	20	A 2.0
45-04-05			276	400	A 298	63-03-05			30	140	A 11
45-05-08			121	500	A 163	63-04-03			76	470	A 96
45-05-23			75	200	A 40	63-04-22			31	100	A 8.4
45-05-30			53	200	A 29	63-04-30			117	430	A 136
45-06-28			83	300	A 67	63-05-21			32	120	A 10
45-07-02			79	300	A 64	63-06-04			1010	4150	A 11300
45-08-03			48	200	A 26	63-06-24			28	210	A 16
45-10-11			252	400	A 272						
46-02-16			55	600	A 89						
46-02-26			132	400	A 143						
46-06-06			268	600	A 434						
47-05-17			25000	1100	A 74300						
51-06-12			6090	1200	A 19700						

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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07311000 EAST CACHE CREEK NEAR WALTERS, OKLA.



## RED RIVER BASIN

07312500 WICHITA RIVER AT WICHITA FALLS, TEX.

LOCATION.--Lat 33°54'34", long 98°32'00", Wichita County, Hydrologic Unit 11130206, near center of stream on downstream side of bridge on Beverly Drive in Wichita Falls, 4 mi (6 km) upstream from Fort Worth and Denver Railway Co. bridge, 8.4 mi (13.5 km) upstream from Holliday Creek, and at mile 55.3 (89.0 km).

DRAINAGE AREA.--3,140 mi<sup>2</sup> (8,130 km<sup>2</sup>), of which 2,086 mi<sup>2</sup> (5,403 km<sup>2</sup>) is above Lake Kemp Dam.

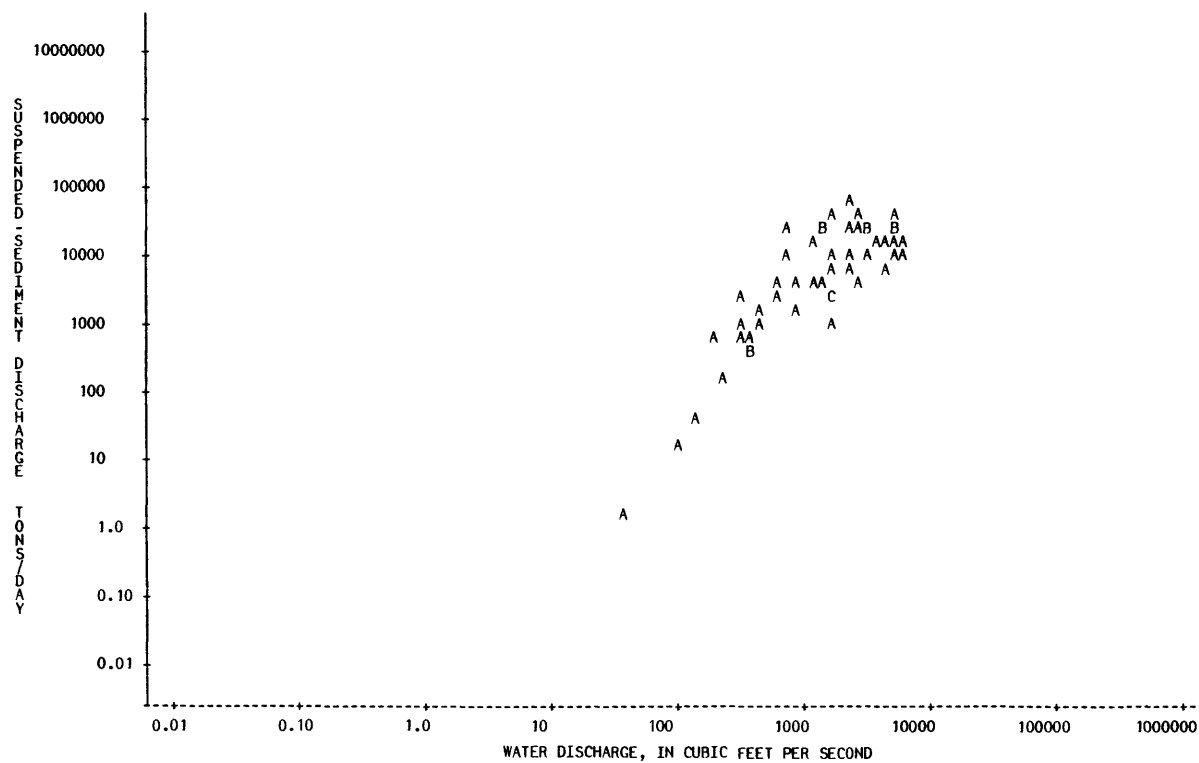
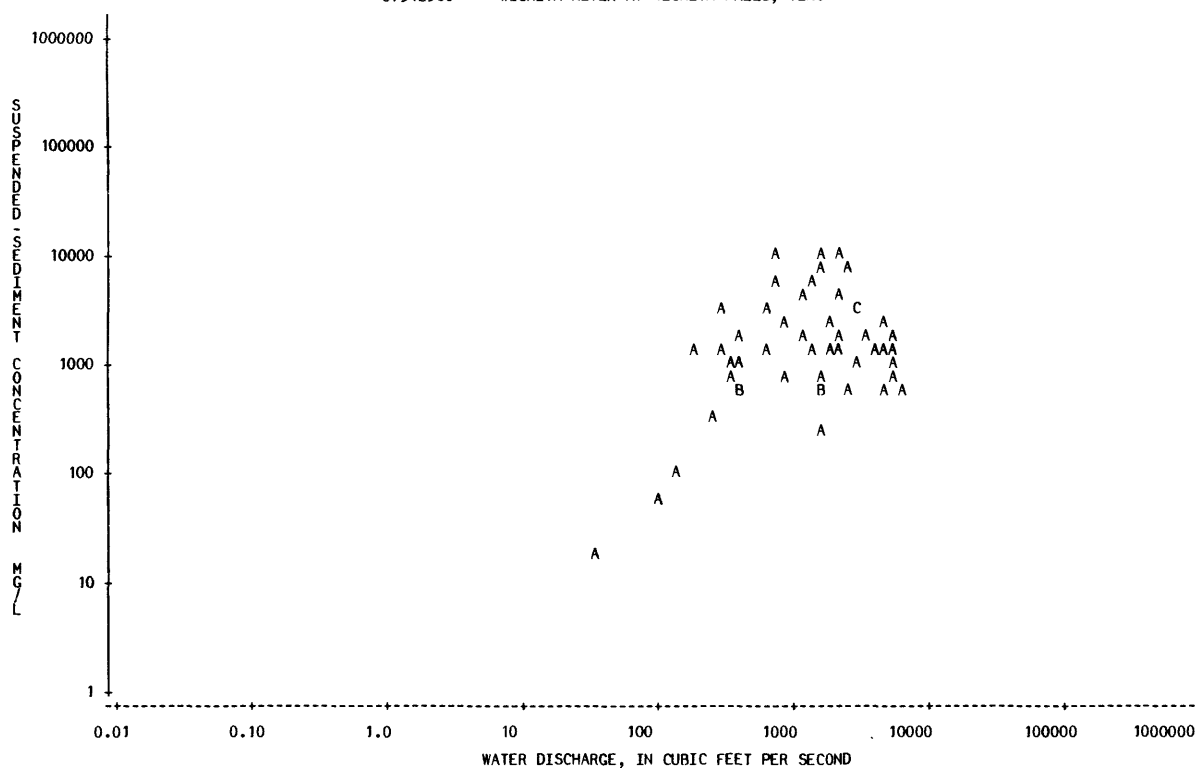
PERIOD OF RECORD.--Water years 1942-43, 1945-46, 1966-69, 1971-75.

REMARKS.--Flow from 2,086 mi<sup>2</sup> (5,403 km<sup>2</sup>) is regulated by Lake Kemp, 71 mi (114 km) upstream. Since completion of dam in 1923, no flow has been permitted to pass over spillway. Flow is diverted for irrigation. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-06-10			373	500	A 504						
42-09-23			239	300	A 194						
42-10-23			370	500	A 499						
43-04-21			620	1300	A 2180						
43-05-15			142	100	A 38						
44-10-05			1600	600	A 2590						
45-03-02			1780	1400	A 6730						
45-10-01			3510	1900	A 18000						
45-10-02			1410	1300	A 4950						
66-01-11	1500		36	*	16 1.6						
66-04-26	1030		2950	*	2810 22400						
66-04-27	1300		868	*	2110 4940						
66-05-05	0830		97	*	56 15						
66-07-11	1335		2200	*	9480 56300						
66-07-12	1435		2200	*	1960 11600						
66-08-25	1028		3050	*	3660 30100						
66-09-19	1130		4090	*	1250 13800						
66-09-20	1450		4570	*	508 6270						
66-09-21	0935		2650	*	496 3550						
66-09-22	0950		1580	*	736 3140						
66-10-14	1615		1550	*	241 1010						
67-04-12	1710		4920	*	2540 33700						
67-04-13	1030		5310	*	1580 22700						
67-04-14	1235		5030	*	803 10900						
67-04-15	1330		1650	*	586 2610						
68-01-22	1625		1720	*	2610 12100						
68-06-01	1100		778	*	10400 21800						
68-06-01	1800		1190	*	4100 13200						
68-06-03	1125		2120	*	1340 7670						
68-06-04	1615		422	*	1720 1960						
69-03-17	1330		1120	*	1700 5140						
69-08-29	1325		308	*	3380 2810						
69-09-23	0915		2800	*	2990 22600						
69-09-24	1130		3050	*	1080 8890						
71-08-17	1715		736	*	5060 10100						
71-08-18	1530		298	*	1470 1180						
71-08-26	1035		2640	*	6840 48800						
72-06-23	1125		1480	*	7560 30200						
72-06-23	1450		1420	*	6220 23800						
72-11-01	1450		5860		1100 17400						
73-03-31	1120		1620		8830 38600						
73-04-03	1135		430		949 1100						
73-04-27	1155		319		942 811						
74-05-01	0835		2220		4170 25000						
74-09-18	1030		189		1300 663						
75-02-06	0955		627		2920 4940						
75-05-23	0950		5270		1540 21900						
75-05-24	0950		4840		1290 16900						
75-05-27	1415		839		765 1730						
75-06-11	1445		360		692 673						
75-07-28	1020		6250		589 9940						

\*\*\*\*\*  
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07312500 WICHITA RIVER AT WICHITA FALLS, TEX.



## RED RIVER BASIN

D7314500 LITTLE WICHITA RIVER NEAR ARCHER CITY, TEX.

LOCATION.--Lat 33°39'45", long 98°36'46", Archer County, Hydrologic Unit 11130209, on left bank at downstream side of bridge on State Highway 79, 1.5 mi (2.4 km) downstream from confluence of North and Middle Forks, and 4.8 mi (7.7 km) north of Archer City.

DRAINAGE AREA.--481 mi<sup>2</sup> (1,246 km<sup>2</sup>), of which 275 mi<sup>2</sup> (712 km<sup>2</sup>) is above Lake Kickapoo.

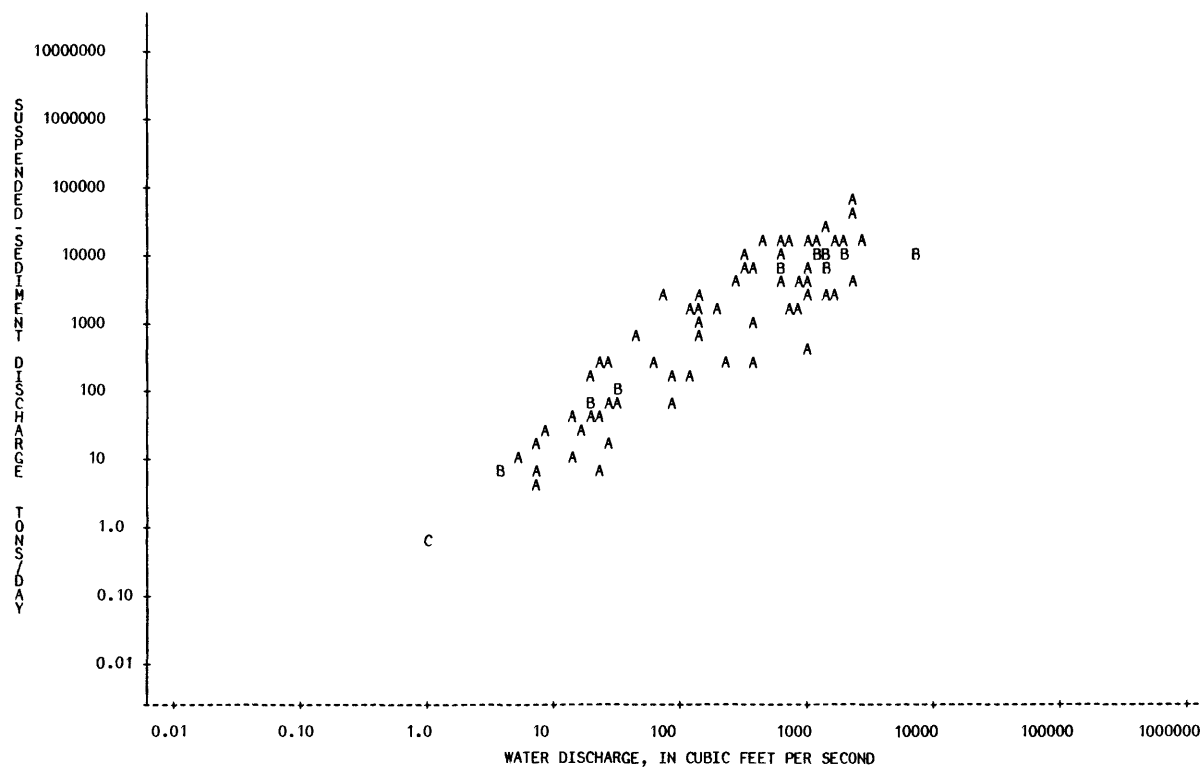
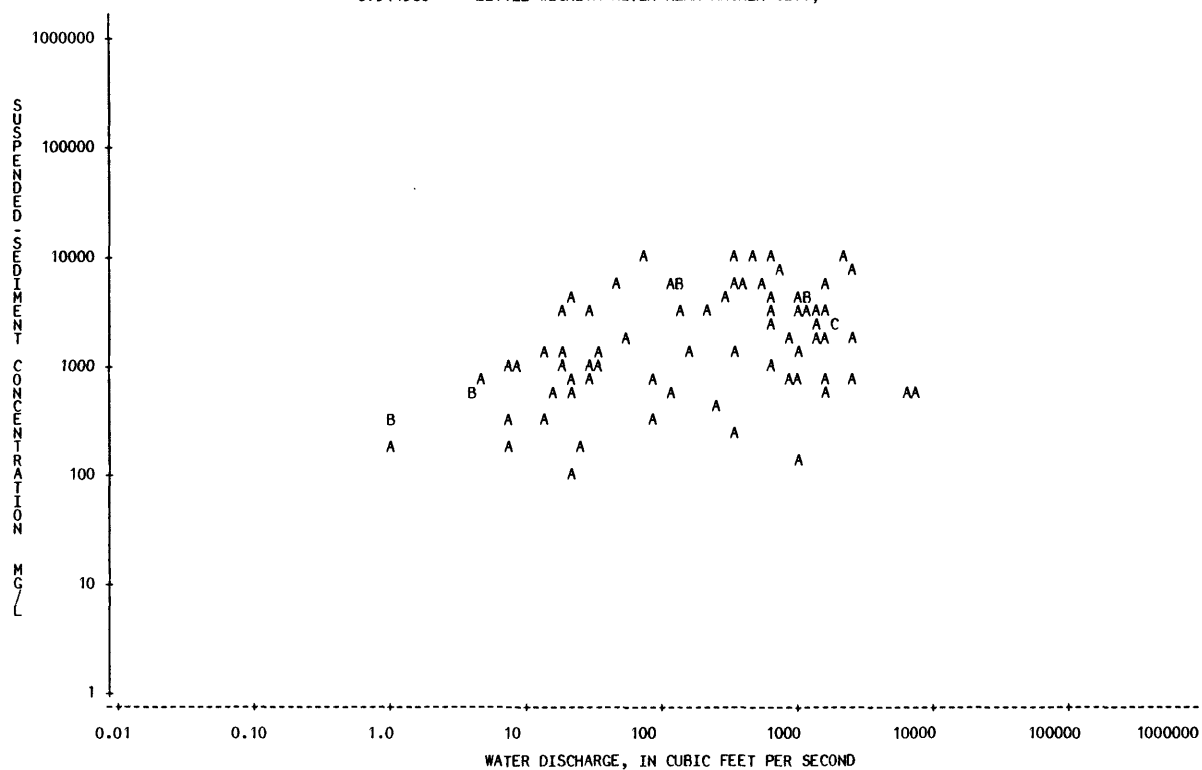
PERIOD OF RECORD.--Water years 1938-45, 1969, 1971-75.

REMARKS.--Some regulation by Lake Kickapoo since 1945. Upstream municipal diversion. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
38-06-14			2340	800	A	5050	42-08-25		32	1100	A	95
38-06-21			1.0	300	A	0.81	42-09-09		84	700	A	159
38-07-14			1.0	200	A	0.54	42-09-10		28	3400	A	257
38-07-28			21	600	A	34	42-10-22		19	1100	A	56
38-11-04	1100		453	11000	A	13500	43-06-09		14	1300	A	49
38-11-04	1500		333	10200	A	9170	43-10-06		8.0	1000	A	22
38-11-05			47	5900	A	749	44-05-02		132	5100	A	1820
39-01-12			19	3300	A	169	44-05-03		142	6100	A	2340
39-04-11			7.0	1000	A	19	44-06-12		31	900	A	75
39-05-16			383	6200	A	6410	44-08-09		71	11600	A	2220
39-05-17	1100		1500	5200	A	21100	44-10-06		1030	1200	A	3340
39-05-17	1700		1690	3500	A	16000	45-03-03		823	1600	A	3560
39-05-18	1100		950	2800	A	7180	45-03-16		582	5400	A	8490
39-05-18	1400		616	2300	A	3830	69-05-09	1215	7.5 *	342		6.9
39-05-31			4.0	500	A	5.4	71-08-17	1215	985 *	838		2230
39-07-28			20	1400	A	76	71-08-26	1350	361 *	229		223
39-08-05	1000		1110	4300	A	12900	72-05-14	1615	7600 *	502		10300
39-08-05	1600		325	6200	A	5440	72-09-05	1710	140 *	2820		1070
39-10-14			1.0	300	A	0.81	72-11-01	1300	1290	1860		6480
39-10-27	1100		1900	2700	A	13900	72-11-04	1130	84	336		76
39-10-27	1700		1880	2400	A	12200	73-01-17	0720	7.4	168		3.4
39-10-28			633	4300	A	7350	73-04-03	0910	33	1240		110
40-02-05			14	300	A	11	73-04-27	0930	241	432		281
40-05-02			4.0	500	A	5.4	74-09-18	1230	680	1040		1910
40-05-27			203	3200	A	1750	75-04-29	1410	23	3940		245
40-05-29			1310	2900	A	10300	75-05-29	1455	1680	529		2400
40-06-17			2580	2000	A	13900	75-06-11	1020	1070	152		439
40-06-25	1200		1240	3900	A	13100						
40-06-25	1800		1350	2500	A	9110						
40-07-01			27	200	A	15						
40-07-12			1040	4700	A	13200						
40-08-17			1180	3600	A	11500						
40-08-18			291	4200	A	3300						
40-12-02			23	100	A	6.2						
41-04-15			778	7900	A	16600						
41-05-15			22	700	A	42						
41-05-24			2250	9500	A	57700						
41-05-26	0900		345	1300	A	1210						
41-05-26	1700		109	5600	A	1650						
41-06-12			2420	7400	A	48400						
41-06-20			28	800	A	60						
41-07-09			5.0	700	A	9.5						
41-08-24			592	10300	A	16500						
41-08-25			640	3600	A	6220						
41-08-29			1510	1700	A	6930						
41-08-30			830	700	A	1570						
41-09-10			1870	2400	A	12100						
41-09-12			57	1700	A	262						
41-10-04			6770	500	A	9140						
41-10-17			1480	700	A	2800						
42-04-14			111	600	A	180						
42-06-10			148	1400	A	559						
42-06-23			16	500	A	22						

\*\*\*\*\*  
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07314500 LITTLE WICHITA RIVER NEAR ARCHER CITY, TEX.



## RED RIVER BASIN

07315500 RED RIVER NEAR TERRAL, OKLA.

LOCATION.--Lat 33°52'43", long 97°56'03", Jefferson County, Hydrologic Unit 11130201, near left bank on downstream side of pier of bridge on U.S. Highway 81, 0.5 mi (0.8 km) downstream from Chicago, Rock Island, and Pacific Railroad Co. bridge, 1.2 mi (1.9 km) south of Terral, 3.6 mi (5.8 km) downstream from Little Wichita River, and at mile 872 (1,403 km).

DRAINAGE AREA.--28,723 mi<sup>2</sup> (74,393 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) probably is noncontributing.

PERIOD OF RECORD.--Water years 1938-45, 1948.

REMARKS.--Many small diversions for irrigation, oilfield and municipal uses upstream from station.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-18			20400	19500	A 1070000	40-05-14			414	6700	A 7490
38-06-19			8200	11900	A 263000	40-05-21			107	500	A 144
38-06-22			2750	2500	A 18600	40-05-27			1300	2500	A 8780
38-06-25			1340	900	A 3260	40-05-30			11400	9700	A 299000
38-07-20			676	200	A 365	40-06-11			3110	2400	A 20200
38-07-27			1710	1500	A 6930	40-06-18			3020	4500	A 36700
38-09-16			381	300	A 309	40-06-26			4520	3300	A 40300
38-09-21			468	2300	A 2910	40-07-02			21800	9700	A 571000
38-10-01			151	200	A 82	40-07-03			14800	5300	A 212000
38-10-07			187	200	A 101	40-07-11			375	400	A 405
38-10-13			209	100	A 56	40-07-13			2270	2800	A 17200
38-10-22			167	300	A 135	40-07-22			675	1000	A 1820
38-10-26			116	200	A 63	40-08-02			181	400	A 195
38-11-15			170	300	A 138	40-08-13			391	300	A 317
38-11-30			96	100	A 26	40-08-17			12000	3500	A 113000
38-12-19			98	100	A 26	40-08-18			10700	4300	A 124000
39-01-02			107	100	A 29	40-08-19			17000	12800	A 588000
39-01-09			560	1100	A 1660	40-08-20			7220	8900	A 173000
39-01-11			12700	17000	A 583000	40-08-21			2510	7900	A 53500
39-01-12			5690	9600	A 147000	40-08-26			396	300	A 321
39-01-19			563	1000	A 1520	40-09-02			219	100	A 59
39-03-05			139	100	A 38	40-09-04			1430	2800	A 10800
39-03-23			95	200	A 51	40-09-05			15800	15400	A 657000
39-03-27			3340	7300	A 65800	40-09-06			4770	5800	A 74700
39-03-29			4180	600	A 6770	40-09-16			296	500	A 400
39-04-10			467	5600	A 7060	40-09-25			475	300	A 385
39-05-14			1730	3100	A 14500	40-10-01			402	3600	A 3910
39-05-19			2150	6100	A 35400	40-10-11			103	100	A 28
39-05-29			2260	10300	A 62900	40-11-02			7410	7600	A 152000
39-06-07			324	600	A 525	40-11-03			6100	5200	A 85600
39-06-22			16500	25400	A 1130000	40-11-11			429	400	A 463
39-06-23			41400	13900	A 1550000	40-12-03			1190	1600	A 5140
39-06-25			10300	11800	A 328000	40-12-12			385	700	A 728
39-06-30			2110	2400	A 13700	41-05-06			63800	5400	A 930000
39-07-05			4270	8300	A 95700	41-05-07			43500	6400	A 752000
39-07-11			597	600	A 967	41-05-08			31200	4700	A 396000
39-07-28			223	200	A 120	41-05-13			29000	6000	A 470000
39-08-07			2950	4100	A 32700	41-05-14			12000	4900	A 159000
39-08-26			1720	2600	A 12100	41-05-16			6240	2700	A 45500
39-09-08			116	100	A 31	41-05-22			57300	9300	A 1440000
39-09-15			185	100	A 50	41-05-23			65100	10000	A 1760000
39-09-20			183	100	A 49	41-05-24			42300	8000	A 914000
39-10-05			98	200	A 53	41-06-01			5830	1500	A 23600
39-10-11			161	300	A 130	41-06-08			176000	6600	A 3140000
39-10-19			142	400	A 153	41-06-09			74600	6000	A 1210000
39-11-07			87	300	A 70	41-06-10			58600	7100	A 1120000
39-12-02			185	300	A 150	41-06-11			105400	9100	A 2590000
39-12-07			110	300	A 89	41-06-13			35300	6000	A 572000
40-02-06			249	300	A 202	41-06-14			29500	5200	A 414000
40-02-14			89	200	A 48	41-06-19			21900	5300	A 313000
40-04-22			156	100	A 42	41-07-22			1360	100	A 367
40-05-02			2430	6000	A 39400	41-08-15			1250	800	A 2700
40-05-03			1760	6400	A 30400	41-08-25			9750	11900	A 313000

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

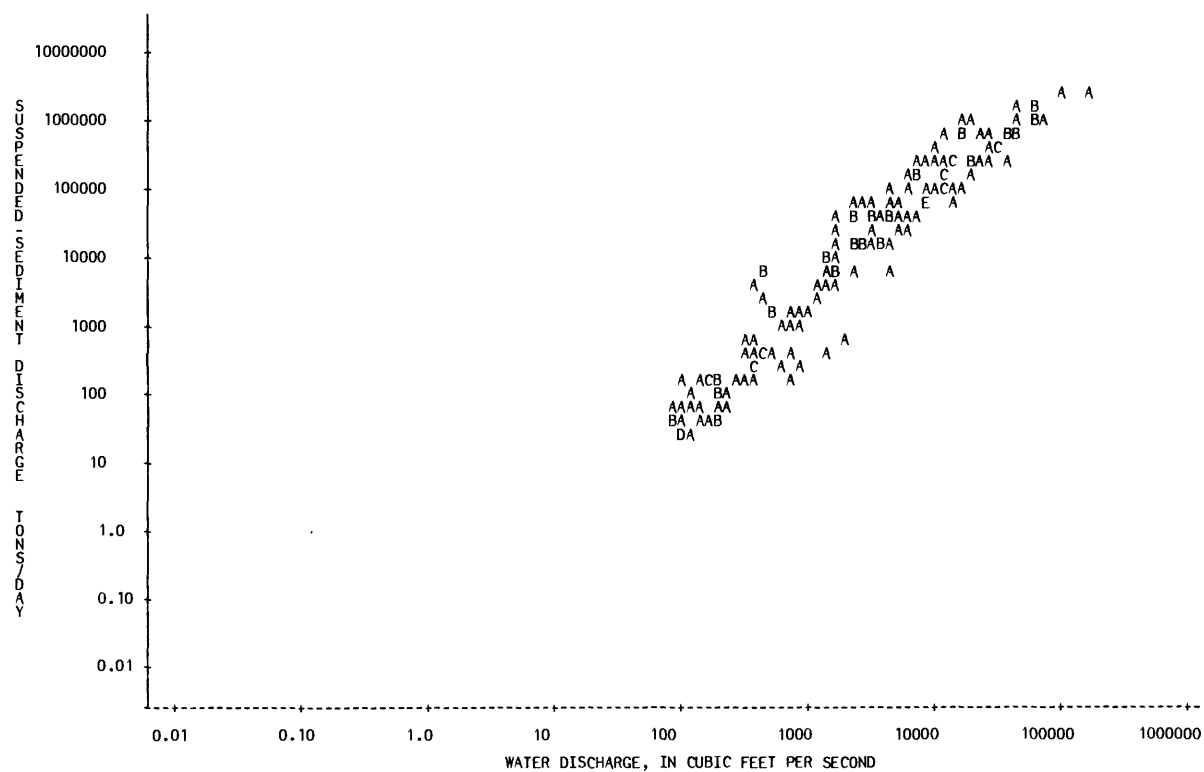
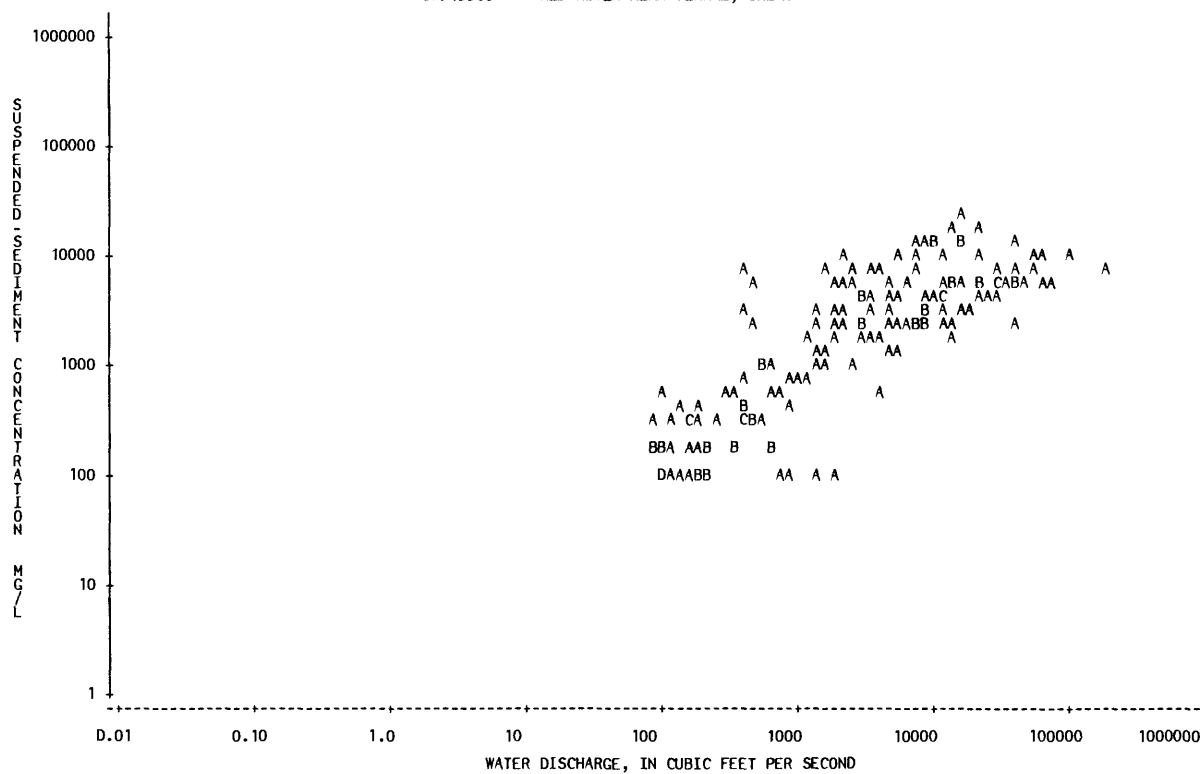
07315500 RED RIVER NEAR TERRAL, OKLA.--CONTINUED

589

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
41-09-11			8100	4400	A 96200						
41-09-29			740	100	A 200						
41-10-06			37300	5700	A 574000						
41-10-08			14600	5200	A 205000						
41-10-16			20500	5800	A 321000						
41-10-23			2000	100	A 540						
42-04-08			4660	3700	A 46600						
42-04-09			39300	2500	A 265000						
42-04-13			12600	4300	A 146000						
42-04-20			19800	3400	A 182000						
42-06-09			3640	2000	A 19700						
42-06-25			12000	6300	A 204000						
42-06-26			7250	2200	A 43100						
42-08-26			725	500	A 979						
42-09-08			3420	3300	A 30500						
42-09-09			5040	2600	A 35400						
42-09-23			8100	3100	A 67800						
42-10-17			41900	5400	A 611000						
42-10-21			11800	3700	A 118000						
42-10-22			8280	2700	A 60400						
43-04-20			8280	3100	A 69300						
43-05-12			31100	5900	A 495000						
43-05-14			13000	1900	A 66700						
43-05-15			3850	1700	A 17700						
43-06-08			11400	2700	A 83100						
43-06-10			2920	1900	A 15000						
44-03-23			1410	1500	A 5710						
44-04-15			1720	1700	A 7890						
44-05-02			2340	1100	A 6950						
44-06-12			5400	4000	A 58300						
44-06-15			13800	5500	A 205000						
44-06-16			27700	7000	A 524000						
44-07-18			1690	8000	A 36500						
44-10-04			15800	3000	A 128000						
45-03-15			13400	2300	A 83200						
45-03-24			4780	1400	A 18100						
45-04-16			26100	4400	A 310000						
45-04-18			20800	3800	A 213000						
45-05-12			7920	2500	A 53500						
45-06-14			8450	2500	A 57000						
47-10-01			86	200	A 46						
47-11-06			209	200	A 113						
47-11-25			828	100	A 224						
47-12-23			438	300	A 355						
48-02-16			587	200	A 317						
48-03-12			863	400	A 932						
48-03-24			6860	13000	A 241000						
48-03-25			4870	2300	A 30200						
48-03-31			913	800	A 1970						
48-04-20			320	200	A 173						
48-04-29			1630	1100	A 4840						
48-05-05			358	200	A 193						
48-05-18			506	300	A 410						
48-05-26			3450	4000	A 37300						
48-06-10			949	700	A 1790						

\*\*\*\*\*  
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07315500 RED RIVER NEAR TERRAL, OKLA.



## RED RIVER BASIN

07316000 RED RIVER NEAR GAINESVILLE, TEX.

LOCATION.--Lat 33°43'40", long 97°09'35", in SW 1/4 sec.36, T.9 S., R.1 E., Love County, Okla., Hydrologic Unit 11130201, near center of span on downstream side of bridge on U.S. Highway 77, 0.2 mi (0.3 km) downstream from Gulf, Colorado and Santa Fe Railway Co. bridge, 5.0 mi (8.0 km) downstream from Fish Creek, 4.5 mi (7.2 km) southwest of Thackerville, Okla., 7.0 mi (11.0 km) north of Gainesville, and at mile 791.5 (1,273.5 km).

DRAINAGE AREA.--30,782 mi<sup>2</sup> (79,725 km<sup>2</sup>) of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1936-80.

REMARKS.--Flow slightly regulated by Lake Kemp, since 1943 by Lake Altus, since 1946 by Lake Kickapoo, and since 1967 by Lake Arrowhead and Lake Moss. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
36-06-08			17800	13400	A 644000	39-06-19			386	400	A 417
36-06-19			1590	1200	A 5150	39-06-24			40230	10900	A 1180000
36-06-24			542	200	A 293	39-07-05			3545	3300	A 31600
36-07-13			1200	500	A 1620	39-07-10			1330	3000	A 10800
36-07-24			200	100	A 54	39-07-17			423	200	A 228
36-08-11			270	100	A 73	39-08-11	1200		3330	4200	A 37800
36-08-21			205	200	A 111	39-08-11	1700		4600	5800	A 72000
36-08-26			164	100	A 44	39-08-14			2700	4200	A 30600
36-09-18			12800	5900	A 204000	39-08-21			1460	6900	A 27200
36-09-24			34200	9300	A 859000	39-08-28			1350	1100	A 4010
36-10-06			5840	1200	A 18900	39-09-05			273	300	A 221
36-10-08			3570	1100	A 10600	39-09-19			290	300	A 235
36-10-12			3920	1000	A 10600	39-10-02			98	100	A 26
36-10-14			2340	1900	A 12000	39-10-09			229	300	A 185
36-10-16			1970	1200	A 6380	39-10-16			292	200	A 158
36-10-20			906	400	A 978	39-10-23			137	100	A 37
36-10-27			5360	2000	A 28900	39-11-07			140	200	A 76
36-10-29			1620	700	A 3060	39-11-13			116	100	A 31
36-11-02			853	200	A 461	40-02-19			261	300	A 211
36-11-04			651	100	A 176	40-02-27			307	300	A 249
36-11-06			560	100	A 151	40-04-17			852	2100	A 4830
36-11-10			511	200	A 276	40-04-26			183	400	A 198
36-11-13			482	100	A 130	40-05-29			7400	3800	A 75900
36-11-17			434	100	A 117	40-05-30			2960	10800	A 86300
36-11-19			444	100	A 120	40-06-12			8570	4200	A 97200
36-11-23			411	100	A 111	40-07-01			2060	1600	A 8900
36-11-25			365	100	A 99	40-07-25			1270	1100	A 3770
36-12-03			351	100	A 95	40-09-11			1560	3800	A 16000
36-12-10			337	100	A 91	40-09-17			424	500	A 572
37-01-29			1240	400	A 1340	40-11-12			826	800	A 1780
37-02-03			422	100	A 114	41-02-03			23700	6600	A 422000
37-02-11			359	100	A 97	41-02-04			16300	3600	A 158000
37-02-17			230	100	A 62	41-02-05			9770	3000	A 79100
37-02-25			206	100	A 56	41-02-10			1500	500	A 2030
37-03-03			246	100	A 66	41-02-28			6530	2000	A 35300
37-03-10			1030	200	A 556	41-05-04			30600	18200	A 1500000
38-06-19			22200	900	A 53900	41-05-05			57000	16000	A 2460000
38-07-13			670	300	A 543	41-05-06	1200		108700	11200	A 3290000
38-08-29			508	300	A 411	41-05-06	1800		116100	6600	A 2070000
38-09-19			934	600	A 1510	41-05-07			74000	5900	A 1180000
38-11-21			179	200	A 97	41-05-08			44000	6600	A 784000
39-01-09			363	300	A 294	41-05-09			26400	7100	A 506000
39-01-16			1620	5100	A 22300	41-05-10			17500	4400	A 208000
39-01-23			531	800	A 1150	41-05-16			9730	3600	A 94600
39-01-30			505	500	A 682	41-05-23			59800	9100	A 1470000
39-02-06			347	500	A 468	41-06-08			86500	8000	A 1870000
39-02-13			270	300	A 219	41-06-09			165300	4600	A 2050000
39-03-28			2850	5000	A 38500	41-06-11			91500	7300	A 1800000
39-04-10			600	900	A 1460	41-06-12			112100	6600	A 2000000
39-04-24			240	200	A 130	41-10-04			142800	3900	A 1500000
39-05-15			1925	3000	A 15600	41-10-05			137400	8200	A 3040000
39-05-22			2150	4300	A 25000	41-10-07			48900	6300	A 832000
39-05-29			360	700	A 680	42-04-11			50500	35300	A 4810000

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

RED RIVER BASIN  
D7316000 RED RIVER NEAR GAINESVILLE, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-04-13			18600	3400	A 171000	45-09-17			246	100	A 66
42-06-16			12200	3600	A 119000	45-09-24			194	100	A 52
42-08-19			3800	1300	A 13300	45-09-28			29100	7200	A 566000
42-08-26			1110	800	A 2400	45-09-29			31100	6800	A 571000
42-09-02			1340	800	A 2890	45-10-01			68100	5000	A 919000
42-09-07			1350	700	A 2550	45-10-02			83000	5000	A 1120000
42-09-15			1540	900	A 3740	45-10-03			50100	5400	A 730000
42-09-22			23800	10600	A 681000	45-10-05			28700	4500	A 349000
42-09-23			12400	6100	A 204000	45-10-08			15200	3100	A 127000
42-09-25			5920	3300	A 52700	46-01-05			12300	1300	A 43200
42-09-28			3630	1400	A 13700	46-01-21			1970	300	A 1600
42-10-18			30100	11200	A 910000	46-01-30			985	100	A 266
42-10-20			33000	9500	A 846000	46-02-11			643	100	A 174
42-10-22			11100	5500	A 165000	46-02-18			10300	2100	A 58400
42-11-05			4250	1600	A 18400	46-02-26			2070	800	A 4470
42-11-17			1700	700	A 3210	46-03-05			1040	200	A 562
43-04-13			14800	7000	A 280000	46-03-12			711	100	A 192
43-04-15			12000	4300	A 139000	46-03-27			1120	400	A 1210
43-04-19			20000	6000	A 324000	46-04-05			954	300	A 773
43-04-20			12000	4000	A 130000	46-04-08			713	200	A 385
43-04-21			8190	3400	A 75200	46-05-27			970	200	A 524
43-04-29			1330	3000	A 10800	46-05-29			3130	1500	A 12700
43-05-10			16700	8900	A 401000	46-05-31			25900	11600	A 811000
43-05-12			41160	4800	A 533000	46-06-03			13400	3800	A 137000
43-05-14			21100	11900	A 678000	46-06-10			1640	400	A 1770
43-05-17			5100	1400	A 19300	46-06-18			531	300	A 430
43-05-21			30500	9000	A 741000	46-06-24			487	300	A 394
43-05-28			10000	2300	A 62100	46-07-01			967	500	A 1310
43-05-30			36700	17700	A 1750000	46-07-08			1350	2800	A 10200
43-06-03			5940	2100	A 33700	46-07-15			494	300	A 400
43-06-07			28800	5400	A 420000	46-07-23			336	200	A 181
43-06-30			3870	2800	A 29300	46-08-02			221	200	A 119
43-08-09			292	200	A 158	46-08-07			215	200	A 116
44-01-06			16900	3900	A 178000	46-08-08			210	400	A 227
44-01-10			879	300	A 712	46-08-13			206	300	A 167
44-01-17			541	200	A 292	46-08-20			202	300	A 164
44-01-24			416	800	A 899	46-08-27			601	500	A 811
44-02-21			841	500	A 1140	46-09-04			1270	2500	A 8570
44-03-20			6590	6600	A 117000	46-09-09			423	500	A 571
44-03-28			1210	800	A 2610	46-09-16			7690	10000	A 208000
44-04-03			2270	1700	A 10400	46-09-17			7700	9400	A 195000
44-04-11			563	200	A 304	46-09-23			5160	4100	A 57100
44-04-17			1880	1900	A 9640	46-09-24			6490	6300	A 110000
44-05-11			701	300	A 568	46-10-07			758	800	A 1640
44-05-28			1850	1400	A 6990	46-10-11			15100	11600	A 473000
44-06-10			1850	1700	A 8490	46-10-14			4070	5900	A 64800
44-06-17			22400	7800	A 472000	46-10-21			936	900	A 2270
44-06-18			9170	5300	A 131000	46-10-28			1070	1100	A 3180
44-06-23			2050	1000	A 5540	46-11-05			4610	3200	A 39800
44-07-06			444	300	A 360	46-11-08			5720	4200	A 64900
44-07-18			1570	500	A 2120	46-11-13			1560	1900	A 8000
44-07-31			1450	900	A 3520	46-11-18			686	1100	A 2040
44-08-16			356	100	A 96	46-11-25			458	700	A 866
44-08-31			778	300	A 630	46-12-06			458	900	A 1110
44-09-02			2300	1600	A 9940	46-12-12			32100	6400	A 555000
44-09-07			16200	3400	A 149000	46-12-16			8130	4100	A 90000
44-09-28			194	300	A 157	47-01-07			510	100	A 138
44-10-06			16900	3900	A 178000	47-01-21			751	100	A 203
44-10-10			4830	2100	A 27400	47-02-06			450	100	A 121
44-11-08			1600	1300	A 5620	47-02-13			390	100	A 105
44-11-13			710	300	A 575	47-02-26			380	300	A 308
44-11-28			4020	1200	A 13000	47-03-10			396	300	A 321
44-12-06			999	500	A 1350	47-03-24			629	200	A 340
44-12-13			1530	2500	A 10300	47-04-08			5010	2900	A 39200
44-12-23			437	100	A 118	47-04-14			3470	2700	A 25300
45-01-22			3730	2400	A 24200	47-04-15			9620	5900	A 153000
45-02-01			1070	500	A 1440	47-04-17			28900	4400	A 343000
45-02-28			3300	1500	A 13400	47-04-25			2030	900	A 4930
45-03-03			6990	1700	A 32100	47-04-28			8570	3600	A 83300
45-03-07			8720	4300	A 101000	47-05-05			1340	700	A 2530
45-03-16			37100	23200	A 2320000	47-05-14			33500	11200	A 1010000
45-03-19			34500	8700	A 810000	47-05-15			38700	8800	A 920000
45-03-21			23600	8500	A 542000	47-05-16			35100	4700	A 445000
45-04-24			7040	3100	A 58900	47-05-18			37000	10400	A 1040000
45-05-11			7250	1700	A 33300	47-05-20			70100	3500	A 662000
45-05-16			3910	1200	A 12700	47-05-21			51400	4200	A 583000
45-06-08			779	200	A 421	47-05-26			50100	3400	A 460000
45-06-11			1230	300	A 996	47-05-29			12300	4100	A 136000
45-06-12			7220	1600	A 31200	47-06-04			14300	3900	A 151000
45-06-15			9560	2100	A 54200	47-06-16			6880	2400	A 44600
45-06-23			3440	1800	A 16700	47-06-25			17500	5400	A 255000
45-07-02			6430	4100	A 71200	47-07-07			1320	600	A 2140
45-07-12			18400	2800	A 139000	47-07-23			512	300	A 415
45-07-16			9280	2800	A 70200	47-08-12			295	400	A 319
45-07-21			2530	1000	A 6830	47-08-26			233	300	A 189
45-07-28			2340	900	A 5690	47-09-08			133	300	A 108
45-08-13			3710	1200	A 12000	47-09-22			258	200	A 139
45-08-28			526	500	A 710	47-10-13			151	200	A 82
45-09-11			303	100	A 82	47-10-27			489	200	A 264

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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## RED RIVER BASIN

07316000 RED RIVER NEAR GAINESVILLE, TEX.--CONTINUED

593

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-10-31			2560	2300	A 15900	50-07-26			21300	6100	A 351000
47-11-05			463	500	A 625	50-08-08			11900	2900	A 93200
47-11-25			1370	800	A 2960	50-08-23			20500	6200	A 343000
47-12-08			7060	3800	A 72400	50-08-28			23300	2300	A 145000
47-12-16			914	400	A 987	50-09-15			27700	7800	A 583000
47-12-30			461	200	A 249	50-09-20			5840	1000	A 15800
48-01-05			571	300	A 463	50-10-02			4700	2000	A 25400
48-01-20			398	100	A 107	50-10-16			2800	100	A 756
48-01-29			289	100	A 78	50-10-30			1540	100	A 416
48-02-03			440	100	A 119	50-11-27			614	200	A 332
48-02-17			822	100	A 222	50-12-11			641	100	A 173
48-02-27			4030	3400	A 37000	50-12-28			528	100	A 143
48-02-28			3380	2500	A 22800	51-01-08			516	200	A 279
48-03-01			8140	5000	A 110000	51-01-23			558	300	A 452
48-03-04			5840	3200	A 50500	51-02-05			508	300	A 411
48-03-16			1210	300	A 980	51-02-21			1060	500	A 1430
48-03-26			5620	4400	A 66800	51-02-26			1710	1000	A 4620
48-03-30			1650	800	A 3560	51-03-06			746	300	A 604
48-04-16			486	200	A 262	51-03-26			540	100	A 146
48-05-12			8830	3700	A 88200	51-04-19			382	200	A 206
48-05-14			5580	3000	A 45200	51-04-25			2770	2300	A 17200
48-06-02			4590	2300	A 28500	51-05-02			971	800	A 2100
48-06-07			2150	1500	A 8710	51-05-04			9920	3800	A 102000
48-06-23			404	200	A 218	51-05-16			1310	200	A 707
48-06-26			24300	7100	A 466000	51-05-19			39200	13500	A 1430000
48-07-07			4010	3200	A 34600	51-05-20			88000	8500	A 2020000
48-07-12			11300	3600	A 110000	51-05-21			139000	4800	A 1800000
48-08-05			1400	300	A 1130	51-05-23			64500	4500	A 784000
48-08-18			318	100	A 86	51-05-24			35000	4700	A 444000
48-08-30			364	100	A 98	51-05-28			11100	2300	A 68900
48-12-06			118	100	A 32	51-06-05			22100	1700	A 101000
48-12-21			190	200	A 103	51-06-09			46100	4600	A 573000
49-01-03			144	100	A 39	51-06-10			36900	3800	A 379000
49-01-17			228	200	A 123	51-06-13			20800	2600	A 146000
49-02-07			3430	2400	A 22200	51-06-27			3700	1000	A 9990
49-02-09			11600	8100	A 254000	51-07-09			4080	1500	A 16500
49-02-17			4280	1700	A 19600	51-08-08			647	100	A 175
49-03-10			659	200	A 356	51-08-22			514	200	A 278
49-03-23			1960	1400	A 7410	51-09-03			549	300	A 445
49-04-04			685	300	A 555	51-09-17			1040	1100	A 3090
49-04-13			715	200	A 386	51-10-02			484	500	A 653
49-04-25			334	100	A 90	51-10-15			698	100	A 188
49-05-05			2960	2300	A 18400	51-10-29			980	400	A 1060
49-05-12			3620	2100	A 20500	51-11-14			497	200	A 268
49-05-17			21300	8000	A 460000	51-11-27			389	200	A 210
49-05-20			11100	3200	A 95900	51-12-12			320	200	A 173
49-05-22			41800	5600	A 632000	51-12-26			307	200	A 166
49-05-23			9490	3300	A 84600	52-01-21			398	200	A 215
49-05-25			9200	2400	A 59600	52-02-04			367	200	A 198
49-05-26			10400	2700	A 75800	52-02-20			319	100	A 86
49-05-27			21900	4700	A 278000	52-03-06			456	100	A 123
49-06-03			6650	2100	A 37700	52-03-17			305	100	A 82
49-06-10			3110	1500	A 12600	52-03-31			380	100	A 103
49-06-13			23100	5300	A 331000	52-04-24			8500	3400	A 78000
49-06-23			1500	700	A 2840	52-04-25			8000	8000	A 173000
49-07-05			1170	600	A 1900	52-05-01			1340	1100	A 3980
49-08-03			347	200	A 187	52-05-02			8730	4500	A 106000
49-08-17			825	200	A 445	52-05-19			27500	11400	A 846000
49-08-31			246	200	A 133	52-05-20			30000	6400	A 518000
49-09-12			3400	3000	A 27500	52-05-21			25900	4000	A 280000
49-09-16			10200	4300	A 118000	52-05-23			10000	2500	A 67500
49-09-28			545	200	A 294	52-05-26			3360	800	A 7260
49-10-11			304	400	A 328	52-05-29			8490	2400	A 55000
49-10-24			6110	3600	A 59400	52-06-03			4030	1200	A 13100
49-10-27			8780	3500	A 83000	52-06-06			9370	2400	A 60700
49-11-08			734	400	A 793	52-06-07			5550	1900	A 28500
49-11-22			485	300	A 393	52-06-11			1680	400	A 1810
49-12-06			285	300	A 231	52-06-23			349	100	A 94
49-12-21			759	200	A 410	52-07-08			301	100	A 81
50-01-17			873	200	A 471	52-07-23			964	800	A 2080
50-02-03			1080	500	A 1460	52-08-04			238	200	A 129
50-02-16			7560	6800	A 139000	52-08-18			206	100	A 56
50-02-17			6000	3500	A 56700	52-09-02			158	100	A 43
50-02-28			687	700	A 1300	52-09-15			175	100	A 47
50-03-14			403	200	A 218	52-10-01			150	200	A 81
50-03-28			316	200	A 171	52-10-13			120	100	A 32
50-04-12			282	200	A 152	52-10-27			103	100	A 28
50-04-19			1860	700	A 3520	52-12-08			166	100	A 45
50-04-26			815	300	A 660	52-12-22			156	100	A 42
50-05-08			5650	4200	A 64100	53-01-05			138	100	A 37
50-05-13			50900	4000	A 550000	53-01-19			107	100	A 29
50-05-14			30700	5700	A 472000	53-02-03			110	10	A 3.0
50-05-15			24700	6300	A 420000	53-02-19			250	200	A 135
50-05-23			2120	700	A 4010	53-03-16			2000	100	A 540
50-05-29			13500	3000	A 109000	53-03-18			5900	200	A 3190
50-06-05			8480	2300	A 52700	53-03-19			4870	200	A 2630
50-06-06			9650	2500	A 65100	53-03-20			2090	200	A 1130
50-07-03			2640	1700	A 12100	53-03-31			379	300	A 307
50-07-10			11300	10400	A 317000	53-05-07			254	200	A 137

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
53-05-20			3070	2700	A 22400	55-07-19			465	160	A 201
53-06-01			176	200	A 95	55-08-01			661	300	A 535
53-06-10			9060	5300	A 130000	55-08-15			572	90	A 139
53-06-11			7970	3300	A 71000	55-09-14			309	150	A 125
53-06-30			201	100	A 54	55-09-27			22600	9270	A 566000
53-07-13			269	210	A 153	55-10-05			44900	12300	A 1490000
53-07-22			3230	2570	A 22400	55-10-07			74200	7750	A 1550000
53-07-28			2710	2500	A 18300	55-10-09			45600	6960	A 857000
53-08-10			427	200	A 231	55-10-13			7580	1920	A 39300
53-08-24			4420	6580	A 78500	55-10-19			3970	1210	A 13000
53-09-15			209	90	A 51	55-11-14			1030	250	A 695
53-09-28			96	110	A 29	55-12-05			821	140	A 310
53-10-09			2890	3310	A 25800	55-12-19			507	150	A 205
53-10-12			977	940	A 2480	56-01-04			477	70	A 90
53-10-19			7060	7920	A 151000	56-01-20			474	90	A 115
53-10-25			35100	8360	A 792000	56-01-30			466	90	A 113
53-10-26			46600	8870	A 1120000	56-02-13			597	120	A 193
53-10-27			48500	5620	A 736000	56-02-23			492	100	A 133
53-10-28			33200	8100	A 726000	56-03-01			391	140	A 148
53-10-29			23500	8120	A 515000	56-03-15			294	80	A 64
53-10-30			14300	5130	A 198000	56-04-02			244	270	A 178
53-10-31			10600	4280	A 122000	56-04-16			253	150	A 102
53-11-05			2500	780	A 5270	56-05-01			1040	250	A 702
53-11-16			894	360	A 869	56-05-07			5190	5290	A 74100
53-11-23			7080	3920	A 74900	56-05-23			315	140	A 119
53-12-03			845	550	A 1250	56-05-31			13700	7770	A 287000
53-12-08			3620	1870	A 18300	56-06-05			3850	6020	A 62600
53-12-21			503	220	A 299	56-06-18			916	360	A 890
54-01-05			358	140	A 135	56-07-02			308	140	A 116
54-01-25			398	290	A 312	56-07-16			393	110	A 117
54-02-04			307	90	A 75	56-08-01			352	150	A 143
54-02-17			237	130	A 83	56-08-13			158	140	A 60
54-03-02			214	570	A 329	56-08-27			161	90	A 39
54-03-16			191	170	A 88	56-09-04			133	210	A 75
54-03-31			240	130	A 84	56-09-11			99	130	A 35
54-04-14			2760	2350	A 17500	56-09-24			85	100	A 23
54-05-03			5410	3880	A 56700	56-10-01			97	110	A 29
54-05-05			14900	6070	A 244000	56-10-15			201	310	A 168
54-05-12			32400	10600	A 927000	56-10-19			3060	3330	A 27500
54-05-13			52900	7360	A 1050000	56-11-01			550	560	A 832
54-05-14			66000	6450	A 1150000	56-11-21			214	270	A 156
54-05-15			74400	4080	A 820000	56-11-26			165	100	A 45
54-05-16			28500	5280	A 406000	56-12-04			129	90	A 31
54-05-20			10500	4440	A 126000	56-12-11			191	260	A 134
54-05-26			29300	9340	A 739000	56-12-19			364	150	A 147
54-05-27			41800	7580	A 855000	56-12-21			5900	4900	A 78100
54-06-04			7480	3610	A 72900	57-01-02			263	700	A 497
54-06-14			9190	3810	A 94500	57-01-09			174	110	A 52
54-07-01			699	280	A 528	57-01-16			107	180	A 52
54-07-20			290	250	A 196	57-01-18			118	130	A 41
54-08-02			297	110	A 88	57-01-22			204	280	A 154
54-08-19			139	130	A 49	57-01-31			151	70	A 29
54-08-31			729	6300	A 12400	57-02-11			1040	940	A 2640
54-09-13			168	130	A 59	57-02-18			254	170	A 117
54-10-04			160	110	A 48	57-03-01			217	140	A 82
54-10-12			266	160	A 115	57-03-06			1320	1650	A 5880
54-10-27			141	120	A 46	57-03-14			480	230	A 298
54-11-08			136	110	A 40	57-03-25			3520	2600	A 24700
54-11-22			117	90	A 28	57-04-01			804	1470	A 3190
54-11-30			112	130	A 39	57-04-09			1980	5670	A 30300
54-12-06			99	130	A 35	57-04-19			466	730	A 918
54-12-20			224	170	A 103	57-04-24			32500	11700	A 1030000
54-12-31			179	640	A 309	57-04-27			59100	8070	A 1290000
55-01-07			152	130	A 53	57-05-01			66300	10800	A 1930000
55-01-21			223	70	A 42	57-05-03			38000	8840	A 907000
55-02-01			148	80	A 32	57-05-07			68100	5510	A 1010000
55-02-18			171	50	A 23	57-05-09			21800	5530	A 325000
55-02-28			188	170	A 86	57-05-15			46700	8280	A 1040000
55-03-14			93	110	A 28	57-05-19			90100	6660	A 1620000
55-03-28			597	1110	A 1790	57-05-20			99200	5060	A 1360000
55-04-04			222	290	A 174	57-05-24			37500	6340	A 642000
55-04-11			412	730	A 812	57-05-27			40400	6470	A 706000
55-04-22			148	160	A 64	57-05-29			33500	6230	A 564000
55-05-02			147	160	A 64	57-06-04			81200	10200	A 2240000
55-05-09			166	150	A 67	57-06-05			102000	5810	A 1600000
55-05-13			535	220	A 318	57-06-06			48600	5900	A 774000
55-05-15			8110	10300	A 226000	57-06-07			34800	4870	A 458000
55-05-16			5340	6930	A 99900	57-06-10			15400	2950	A 123000
55-05-19			3510	3750	A 35500	57-06-14			8460	2220	A 50700
55-05-20			55600	6080	A 913000	57-06-19			5250	1010	A 14300
55-05-21			75100	6900	A 1400000	57-06-27			3740	1250	A 12600
55-05-22			92900	6510	A 1630000	57-07-11			987	350	A 933
55-05-23			86700	4030	A 943000	57-07-22			641	350	A 606
55-05-24			25200	4680	A 318000	57-08-07			694	270	A 506
55-05-31			6340	1450	A 24800	57-08-27			437	290	A 342
55-06-06			13600	9590	A 352000	57-09-11			441	320	A 381
55-06-13			8200	6090	A 135000	57-09-26			2300	2100	A 13000
55-06-22			45200	8280	A 1010000	57-10-10			332	180	A 161
55-07-01			2060	3610	A 20100	57-10-15			2250	3570	A 21700

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07316000 RED RIVER NEAR GAINESVILLE, TEX.--CONTINUED

595

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-10-25			1100	2390	A 7100	60-03-04			1170	430	A 1360
57-10-31			903	710	A 1730	60-03-16			1570	660	A 2800
57-11-12			6600	5250	A 93600	60-03-28			3650	1260	A 12400
57-12-02			742	390	A 781	60-04-11			710	110	A 211
57-12-10			627	300	A 508	60-04-26			584	160	A 252
57-12-18			545	210	A 309	60-05-11			2060	870	A 4840
57-12-30			514	160	A 222	60-05-24			5810	3220	A 50500
58-01-16			764	170	A 351	60-06-01			1090	390	A 1150
58-01-23			2230	900	A 5420	60-06-08			1830	1510	A 7460
58-02-03			1440	760	A 2950	60-06-10			30200	18400	A 1500000
58-02-12			638	300	A 517	60-06-13			7920	10700	A 229000
58-02-24			957	390	A 1010	60-06-14			8580	9380	A 217000
58-03-04			751	200	A 406	60-06-27			786	550	A 1170
58-03-13			1040	330	A 927	60-07-11			6680	3820	A 68900
58-03-24			1150	450	A 1400	60-07-19			3550	2820	A 27000
58-04-02			3910	2330	A 24600	60-07-27			1620	790	A 3460
58-04-04			2400	1530	A 9910	60-08-22			577	200	A 312
58-04-09			1110	560	A 1680	60-08-31			464	270	A 338
58-04-21			2850	1660	A 12800	60-09-06			961	930	A 2410
58-04-25			4730	2310	A 29500	60-09-20			272	160	A 118
58-05-03			18600	5140	A 258000	60-10-03			831	920	A 2060
58-05-05			21100	4090	A 233000	60-10-11			519	240	A 336
58-05-06			18400	4170	A 207000	60-10-17			7190	9130	A 177000
58-05-12			5540	2180	A 32600	60-10-19			26300	13700	A 973000
58-05-15			3540	2820	A 27000	60-10-21			59500	8060	A 1290000
58-05-21			7720	8330	A 174000	60-10-22			64700	11000	A 1920000
58-05-27			2660	2740	A 19700	60-10-25			9260	3660	A 91500
58-06-06			885	390	A 932	60-10-28			10900	2790	A 82100
58-06-13			503	310	A 421	60-10-31			5840	2080	A 32800
58-06-19			516	310	A 432	60-11-14			1560	350	A 1470
58-06-23			4420	1810	A 21600	60-12-01			921	100	A 249
58-07-03			982	2040	A 5410	60-12-22			2260	530	A 3230
58-07-07			918	1000	A 2480	61-01-03			1800	340	A 1650
58-07-10			11500	9360	A 291000	61-01-16			1220	230	A 758
58-07-17			1140	1600	A 4920	61-01-31			733	180	A 356
58-07-23			806	550	A 1200	61-02-14			1530	390	A 1610
58-08-11			984	490	A 1300	61-03-01			1440	320	A 1240
58-08-21			483	280	A 365	61-03-13			654	130	A 230
58-09-08			224	190	A 115	61-03-21			9170	4170	A 103000
58-09-23			544	270	A 397	61-03-28			5780	1810	A 28200
58-10-06			329	380	A 338	61-04-04			6420	2650	A 45900
58-10-21			201	230	A 125	61-04-14			2750	700	A 5200
58-11-04			151	120	A 49	61-04-20			1410	330	A 1260
58-11-20			181	170	A 83	61-05-03			1890	360	A 1840
58-12-02			208	90	A 51	61-05-16			1120	740	A 2240
58-12-22			201	90	A 49	61-05-26			1760	390	A 1850
59-01-05			161	120	A 52	61-06-06			1520	1610	A 6610
59-01-08			230	50	A 31	61-06-09			13100	6390	A 226000
59-01-19			247	110	A 73	61-06-12			13500	4560	A 166000
59-02-02			232	160	A 100	61-06-14			5060	2910	A 39800
59-02-10			260	120	A 84	61-06-19			6400	1800	A 31100
59-03-04			180	140	A 68	61-06-26			1640	470	A 2080
59-03-23			147	70	A 28	61-06-29			7050	2790	A 53100
59-03-31			154	130	A 54	61-07-06			1270	710	A 2430
59-04-13			146	40	A 16	61-07-19			6380	8100	A 140000
59-04-22			4420	4390	A 52400	61-07-24			5340	7320	A 106000
59-04-27			898	760	A 1840	61-07-27			6760	5640	A 103000
59-05-07			288	110	A 86	61-08-02			927	530	A 1330
59-05-12			15400	10700	A 445000	61-08-15			500	50	A 67
59-05-14			8060	5090	A 111000	61-08-28			801	220	A 476
59-05-18			1930	2000	A 10400	61-09-06			477	250	A 322
59-05-25			19400	9770	A 512000	61-09-18			4820	3070	A 40000
59-05-28			4960	6090	A 81600	61-10-04			1020	740	A 2040
59-06-01			5860	5250	A 83100	61-10-20			594	720	A 1150
59-06-09			2630	1490	A 10600	61-11-06			7020	6220	A 118000
59-06-15			1290	1140	A 3970	61-11-27			3460	1600	A 14900
59-06-24			14500	9380	A 367000	61-12-15			1070	320	A 924
59-06-25			35000	10400	A 983000	62-01-08			522	110	A 155
59-06-29			9510	5080	A 130000	62-01-11			6610	3990	A 71200
59-07-09			3340	1760	A 15900	62-01-19			568	110	A 169
59-07-17			7940	5670	A 122000	62-01-31			574	150	A 232
59-07-22			3900	1790	A 18800	62-02-09			659	190	A 338
59-07-30			1500	2220	A 8990	62-02-14			579	100	A 156
59-09-08			4350	2810	A 33000	62-02-21			614	100	A 166
59-09-22			202	120	A 65	62-03-07			540	100	A 146
59-10-04			37500	9900	A 1000000	62-03-29			404	90	A 98
59-10-06			54700	7510	A 1110000	62-04-10			749	310	A 627
59-10-08			27000	6390	A 466000	62-04-27			3620	2490	A 24300
59-10-13			4130	1430	A 15900	62-05-01			8600	6410	A 149000
59-10-19			1370	230	A 851	62-05-09			1910	1200	A 6190
59-11-18			624	180	A 303	62-05-18			430	160	A 186
59-12-01			490	100	A 132	62-05-25			917	380	A 941
59-12-14			429	100	A 116	62-06-03			8040	3960	A 86000
59-12-21			19100	6920	A 357000	62-06-04			14400	5960	A 232000
59-12-29			3260	1120	A 9860	62-06-08			5970	1770	A 28500
60-01-15			7910	2220	A 47400	62-06-10			28600	7180	A 554000
60-01-22			2910	1030	A 8090	62-06-11			44800	8200	A 992000
60-02-01			1290	320	A 1110	62-06-13			38800	5860	A 614000
60-02-17			1890	670	A 3420	62-06-15			23000	4530	A 281000

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-06-19			14800	6120	A 245000	64-05-13			2740	2420	A 17900
62-06-22			18400	8400	A 417000	64-05-18			928	770	A 1930
62-07-02			10500	3270	A 92700	64-05-26			264	160	A 114
62-07-16			859	410	A 951	64-06-08			935	1050	A 2650
62-07-27			1230	280	A 930	64-06-22			1220	5650	A 18600
62-07-31			4250	3900	A 44800	64-07-02			355	150	A 144
62-08-10			1990	2620	A 14100	64-07-14			133	90	A 32
62-08-20			704	100	A 190	64-07-27			94	110	A 28
62-08-27			406	110	A 121	64-08-06			106	240	A 69
62-09-10			6850	3130	A 57900	64-08-18			227	200	A 123
62-09-21			4680	2260	A 28600	64-08-24			505	1320	A 1800
62-09-27			4420	3210	A 38300	64-09-02			376	340	A 345
62-10-01			3960	2060	A 22000	64-09-11			116	200	A 63
62-10-10			837	160	A 362	64-09-15			109	70	A 21
62-10-22			438	110	A 130	64-09-22			3480	3450	A 32400
62-11-01			6610	3990	A 71200	64-09-28			5910	3340	A 53300
62-11-06			1100	640	A 1900	64-10-06			1060	1150	A 3290
62-11-19			488	110	A 145	64-10-13			342	170	A 157
62-11-29			7850	2280	A 48300	64-10-20			421	450	A 512
62-12-05			7140	1650	A 31800	64-10-27			228	30	A 18
62-12-10			2180	620	A 3650	64-11-06			415	220	A 247
62-12-17			880	230	A 546	64-11-20			6480	3600	A 63000
62-12-28			871	260	A 611	64-11-21			20600	4980	A 277000
63-01-14			346	270	A 252	64-11-22			19600	4090	A 216000
63-01-25			268	390	A 282	64-11-24			5630	2500	A 38000
63-01-28			369	150	A 149	64-12-02			874	310	A 732
63-02-07			547	230	A 340	64-12-14			486	100	A 131
63-02-25			678	240	A 439	64-12-21			417	70	A 79
63-03-05			543	140	A 205	65-01-04			353	40	A 38
63-03-12			472	130	A 166	65-01-25			641	130	A 225
63-03-18			635	140	A 240	65-02-15			601	90	A 146
63-03-26			451	130	A 158	65-03-02			319	90	A 78
63-04-01			824	450	A 1000	65-03-16			265	20	A 14
63-04-03			9600	4630	A 120000	65-03-30			279	170	A 128
63-04-08			1110	670	A 2010	65-04-05			262	90	A 64
63-04-18			421	130	A 148	65-04-19			2960	1880	A 15000
63-04-22			437	330	A 389	65-04-28			530	340	A 487
63-04-29			640	950	A 1640	65-05-04			437	170	A 201
63-05-02			3820	1990	A 20500	65-05-12			2740	2200	A 16300
63-05-06			926	550	A 1380	65-05-28			3560	4170	A 40100
63-05-13			1130	830	A 2530	65-06-14			2380	1920	A 12300
63-05-20			412	280	A 311	65-06-21			3420	2010	A 18600
63-05-27			452	190	A 232	65-06-29			2990	1610	A 13000
63-06-04			11000	5700	A 169000	65-07-02			5420	7590	A 111000
63-06-07			6670	4000	A 72000	65-07-12			651	370	A 650
63-06-10			2810	2850	A 21600	65-07-20			328	140	A 124
63-06-19			1820	860	A 4230	65-08-06			207	280	A 156
63-06-28			751	4100	A 8310	65-08-17			740	420	A 839
63-07-02			498	430	A 578	65-08-19			2880	3090	A 24000
63-07-08			369	130	A 130	65-08-31			339	260	A 238
63-07-16			566	140	A 214	65-09-10			282	130	A 99
63-07-23			367	260	A 258	65-09-16			173	180	A 84
63-07-30			287	210	A 163	65-09-23			27300	6000	A 442000
63-08-13			165	200	A 89	65-09-24			34100	4440	A 409000
63-08-26			194	100	A 52	65-09-25			24700	2900	A 193000
63-09-03			235	70	A 44	65-09-26			13900	2570	A 96500
63-09-12			295	150	A 119	65-09-27			6940	1700	A 31900
63-09-18			309	50	A 42	65-09-28			5020	2610	A 35400
63-09-24			938	3200	A 8100	65-10-06			1390	1760	A 6610
63-10-01			283	150	A 115	65-10-21			35300	6430	A 613000
63-10-08			148	60	A 24	65-10-22			42900	5670	A 657000
63-10-15			91	120	A 29	65-10-26			5050	1660	A 22600
63-10-23			93	160	A 40	65-11-10			1170	160	A 505
63-11-05			184	80	A 40	65-11-24			687	110	A 204
63-11-12			106	70	A 20	65-12-07			552	50	A 75
63-11-19			256	280	A 194	65-12-21			467	50	A 63
63-11-26			716	1560	A 3020	66-01-06			711	260	A 499
63-12-02			295	380	A 303	66-01-19			463	110	A 138
63-12-17			218	200	A 118	66-01-31			490	60	A 79
63-12-31			173	100	A 47	66-02-16			1350	90	A 328
64-01-07			169	50	A 23	66-03-02			494	170	A 227
64-01-14			108	180	A 52	66-03-09			468	60	A 76
64-01-21			157	160	A 68	66-03-18			826	140	A 312
64-01-27			131	160	A 57	66-03-28			494	70	A 93
64-02-03			478	190	A 245	66-04-04			483	110	A 143
64-02-11			2080	2530	A 14200	66-04-12			337	100	A 91
64-02-18			544	530	A 778	66-04-21			339	140	A 128
64-02-26			328	230	A 204	66-04-26			7350	2740	A 54400
64-03-03			242	250	A 163	66-04-30			19500	2900	A 153000
64-03-17			302	130	A 106	66-05-03			11700	1680	A 53100
64-03-23			223	120	A 72	66-05-06			6600	1120	A 20000
64-03-30			198	130	A 69	66-05-16			637	220	A 378
64-04-07			192	120	A 62	66-05-25			535	250	A 361
64-04-13			245	110	A 73	66-06-07			320	120	A 104
64-04-20			152	80	A 33	66-06-16			957	360	A 930
64-04-28			796	2380	A 5120	66-06-30			410	210	A 232
64-04-30			2500	3180	A 21500	66-07-07			264	180	A 128
64-05-06			397	470	A 504	66-07-13			181	110	A 54
64-05-11			4280	3710	A 42900	66-07-27			268	130	A 94

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07316000 RED RIVER NEAR GAINESVILLE, TEX.--CONTINUED

597

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
66-08-05			209	170	A	68-08-27			800	400	A
66-08-16			642	280	A	68-09-05			3240	8670	A
66-08-26			4800	3530	A	68-09-16			553	150	A
66-08-29			8720	5860	A	68-09-30			1240	850	A
66-09-02			11100	3110	A	68-10-07			432	160	A
66-09-12			2740	1560	A	68-10-16			2450	4660	A
66-09-21			12500	3540	A	68-10-30			467	230	A
66-09-28			3250	980	A	68-11-18			394	100	A
66-10-06			3140	910	A	68-12-02			5800	1390	A
66-10-20			1260	300	A	68-12-17			453	270	A
66-10-27			518	150	A	69-01-02			524	130	A
66-11-16			298	110	A	69-01-14			384	60	A
66-11-23			245	130	A	69-01-20			384	90	A
66-12-05			273	250	A	69-02-07			591	110	A
66-12-21			247	110	A	69-02-19			3510	1170	A
67-01-03			211	110	A	69-02-26			4550	1340	A
67-01-23			179	100	A	69-03-11			3020	500	A
67-01-31			189	70	A	69-03-19			6700	1390	A
67-02-08			188	50	A	69-03-26			12300	2360	A
67-02-13			216	40	A	69-04-07			1060	260	A
67-02-28			177	50	A	69-04-22			2530	610	A
67-03-09			163	330	A	69-04-29			5340	1530	A
67-03-16			162	50	A	69-05-07			23800	4570	A
67-03-23			161	70	A	69-05-09			51300	4330	A
67-03-30			207	90	A	69-05-12			10500	2550	A
67-04-07			167	100	A	69-05-20			9790	2480	A
67-04-14			38900	4390	A	69-05-27			2410	790	A
67-04-15			22000	3370	A	69-06-04			1640	310	A
67-04-17			170	110	A	69-06-11			1060	190	A
67-04-19			3800	1690	A	69-07-01			871	460	A
67-04-26			2360	800	A	69-07-09			502	120	A
67-05-04			1080	1810	A	69-07-18			338	200	A
67-05-11			1960	1380	A	69-07-29			492	190	A
67-05-18			591	510	A	69-08-06			441	300	A
67-05-25			983	260	A	69-08-18			258	310	A
67-06-06			2320	2350	A	69-09-02			2920	3910	A
67-06-13			555	290	A	69-09-10			516	500	A
67-06-22			404	100	A	69-09-18			948	620	A
67-06-30			2150	910	A	69-10-07			1240	290	A
67-07-07			5990	2960	A	69-10-22			529	170	A
67-07-13			1430	1390	A	69-11-07			1140	710	A
67-07-21			835	280	A	69-12-10			501	150	A
67-07-31			1970	2130	A	69-12-24			343	50	A
67-08-10			864	330	A	70-01-13			498	110	A
67-08-18			490	140	A	70-01-27			351	50	A
67-08-24			533	240	A	70-02-10			310	50	A
67-09-01			293	210	A	70-02-25			1520	310	A
67-09-12			839	780	A	70-03-10			8570	2870	A
67-09-18			383	130	A	70-03-24			1570	240	A
67-09-26			268	120	A	70-04-10			1260	180	A
67-10-03			360	600	A	70-04-22			2810	830	A
67-10-16			490	120	A	70-05-01			7720	3320	A
67-10-27			177	110	A	70-05-12			733	360	A
67-11-06			756	910	A	70-05-26			433	190	A
67-11-20			203	100	A	70-06-10			724	450	A
67-12-04			169	90	A	70-06-23			355	80	A
67-12-19			215	90	A	70-07-01			282	10	A
68-01-02			206	70	A	70-07-13			241	140	A
68-01-09			148	60	A	70-07-30			171	40	A
68-01-23			4650	2630	A	70-08-10			159	190	A
68-01-29			2160	1790	A	70-08-17			179	10	A
68-02-09			595	220	A	70-08-31			172	150	A
68-02-16			462	180	A	70-09-10			176	50	A
68-02-26			580	160	A	70-09-18			1290	820	A
68-03-05			1090	270	A	70-09-25			17100	3210	A
68-03-15			4790	1890	A	70-09-28			3600	1780	A
68-03-23			7620	1910	A	70-10-06			434	60	A
68-03-29			2060	480	A	70-10-28			4370	2120	A
68-04-08			1850	390	A	70-11-09			215	80	A
68-04-30			800	370	A	70-11-18			176	50	A
68-05-09			488	70	A	70-12-04			167	30	A
68-05-13			18600	4260	A	70-12-14			153	60	A
68-05-15			15700	2510	A	71-01-07			300	60	A
68-05-17			19300	2990	A	71-01-12			226	160	A
68-05-18			17300	3810	A	71-01-26			160	50	A
68-05-20			12200	2260	A	71-02-03			144	100	A
68-05-28			3860	2520	A	71-02-11			163	80	A
68-06-04			43100	3630	A	71-02-23			256	60	A
68-06-05			44900	2810	A	71-03-04			231	50	A
68-06-06			15300	2630	A	71-03-10			176	80	A
68-06-11			3150	910	A	71-03-17			124	110	A
68-06-26			1570	250	A	71-03-22			122	120	A
68-07-03			1420	370	A	71-03-31			96	60	A
68-07-08			3300	2080	A	71-04-07			122	70	A
68-07-19			9800	5400	A	71-04-14			122	90	A
68-07-24			2140	760	A	71-04-20			207	90	A
68-07-31			868	50	A	71-04-28			250	40	A
68-08-08			505	80	A	71-05-06			224	180	A
68-08-12			381	60	A	71-05-11			674	550	A

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

D7316000 RED RIVER NEAR GAINESVILLE, TEX.--CONTINUED

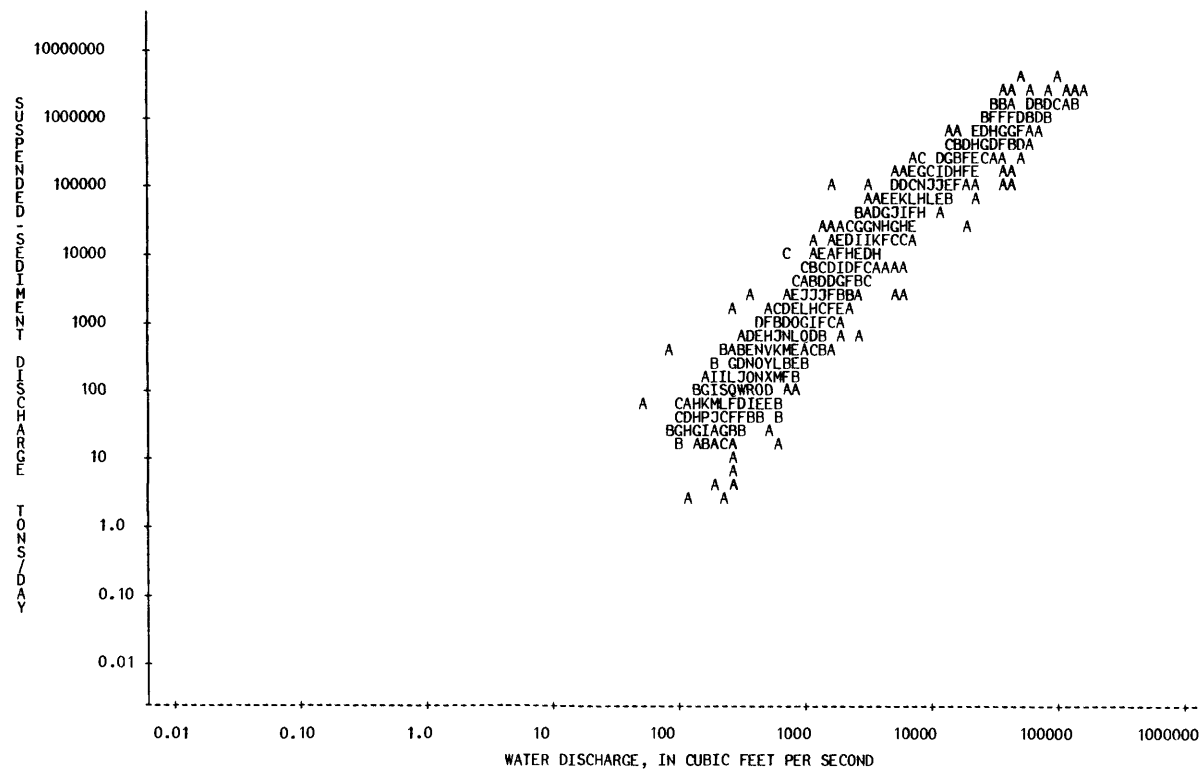
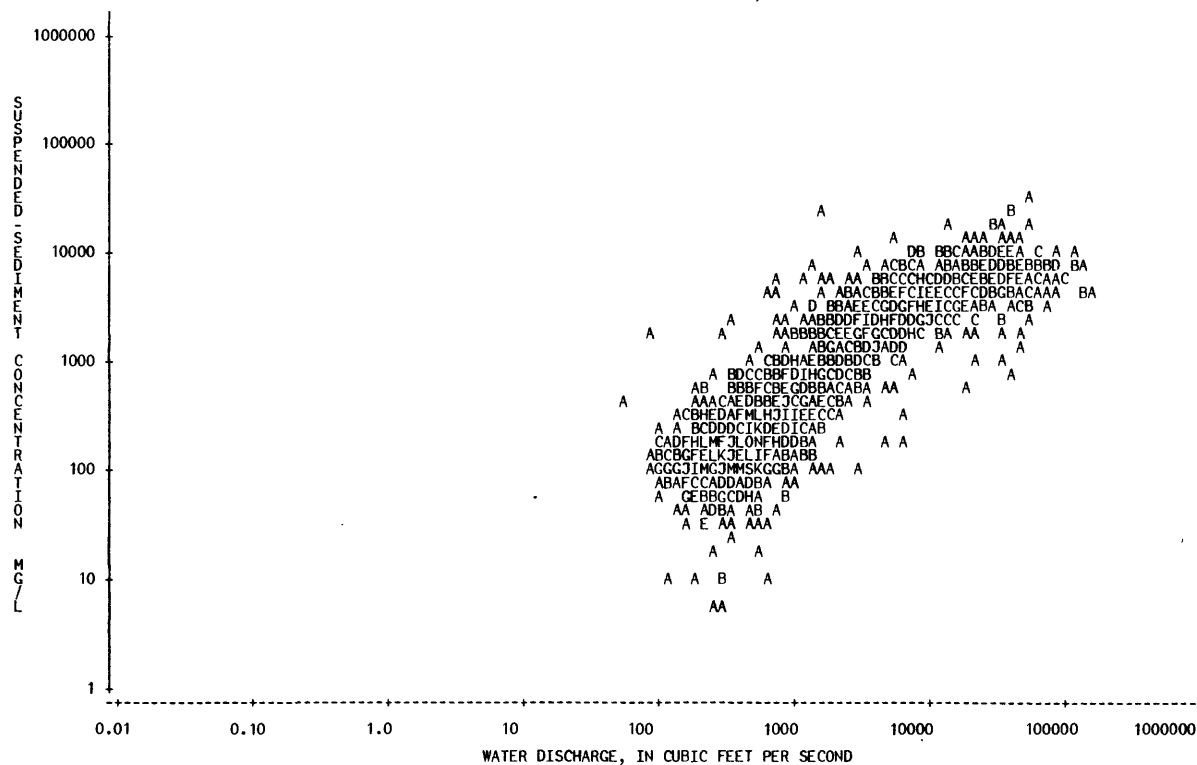
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-05-19			156	290	A 122	73-10-02			4310	2250	A 26200
71-05-26			130	190	A 67	73-10-15			12500	2010	A 67800
71-06-01			247	120	A 80	73-10-30			1150	130	A 404
71-06-15			300	110	A 89	73-11-05			816	60	A 132
71-06-18			2900	3310	A 25900	73-11-12			652	80	A 141
71-06-29			52	400	A 56	73-11-19			548	200	A 296
71-07-12			168	80	A 36	73-11-27			24100	2830	A 184000
71-07-19			115	90	A 28	73-11-29			7610	860	A 17700
71-08-04			296	120	A 96	73-12-10			1040	260	A 730
71-08-11			149	290	A 117	73-12-18			690	90	A 168
71-08-18			18900	3970	A 203000	74-01-03			576	30	A 47
71-08-19			10000	2290	A 61800	74-01-21			576	40	A 62
71-08-20			6730	2180	A 39600	74-01-29			516	120	A 167
71-08-23			2450	1970	A 13000	74-02-05			491	60	A 80
71-08-30			2790	1770	A 13300	74-02-13			401	160	A 173
71-09-10			678	4840	A 8860	74-02-20			327	190	A 168
71-09-17			799	480	A 1040	74-02-27			909	1160	A 2850
71-09-24			4420	2990	A 35700	74-03-13			8000	2210	A 47700
71-09-29			9290	3630	A 91100	74-03-14			7570	2040	A 41700
71-10-04			2020	2290	A 12500	74-03-19			1790	1130	A 5460
71-10-19			789	150	A 320	74-04-01			686	280	A 519
71-11-04			4490	4310	A 52300	74-04-10			402	160	A 174
71-11-17			591	350	A 558	74-04-17			593	150	A 240
71-12-01			556	780	A 1170	74-04-26			975	870	A 2290
71-12-13			6200	1530	A 25600	74-05-02			28300	3250	A 248000
72-01-03	0001		735	390	A 774	74-05-06			13200	19800	A 706000
72-01-03	0002		735	540	A 1070	74-05-20			930	300	A 753
72-01-11			563	240	A 365	74-05-29			12300	4760	A 158000
72-01-20			497	120	A 161	74-06-03			1970	1350	A 7180
72-02-07			378	120	A 122	74-06-12			2400	2390	A 15500
72-02-22			349	70	A 66	74-06-19			1010	330	A 900
72-03-01			368	70	A 70	74-06-25			548	390	A 577
72-03-10			257	150	A 104	74-07-03			317	130	A 111
72-03-17			226	150	A 92	74-07-10			265	150	A 107
72-03-28			238	160	A 103	74-07-23			240	120	A 78
72-04-04			225	150	A 91	74-07-29			186	130	A 65
72-04-19			173	180	A 84	74-08-13			438	120	A 142
72-05-02			275	2030	A 1510	74-09-04			1360	3420	A 12600
72-05-05			354	2170	A 2070	74-09-09			455	340	A 418
72-05-15			18200	510	A 25100	74-09-23			8280	5870	A 131000
72-05-17			6300	350	A 5950	74-09-25			13600	2120	A 77800
72-05-30			530	160	A 229	74-09-27			35000	1940	A 183000
72-06-09			613	700	A 1160	74-10-02			4190	1520	A 17200
72-07-03			473	380	A 485	74-10-08			1710	23200	A 107000
72-07-14			500	720	A 972	74-10-23			1460	280	A 1100
72-07-25			365	80	A 79	74-11-05			12000	3330	A 108000
72-08-01			173	150	A 70	74-11-22			1480	440	A 1760
72-08-10			180	300	A 146	74-12-03			887	250	A 599
72-08-22			174	230	A 108	74-12-19			900	980	A 2380
72-09-08			2620	5330	A 37700	74-12-30			742	240	A 481
72-11-03			39100	6610	A 698000	75-01-07			2830	980	A 7490
72-11-04			47200	5730	A 730000	75-01-15			1190	120	A 386
72-11-07			8100	1760	A 38500	75-02-05			5370	550	A 7970
72-11-15			2560	410	A 2830	75-02-11			3300	390	A 3470
72-12-01			1370	140	A 518	75-02-25			8740	2510	A 59200
72-12-20			583	40	A 63	75-03-05			1970	580	A 3090
73-01-02			468	30	A 38	75-03-19			6280	1860	A 31500
73-01-15			966	220	A 574	75-03-24			2260	330	A 2010
73-01-24			8020	1910	A 41400	75-04-16			2460	1170	A 7770
73-01-30			6650	1520	A 27300	75-05-01			2200	580	A 3450
73-02-06			1970	370	A 1970	75-05-19			2890	540	A 4210
73-02-26			983	130	A 345	75-05-25			53400	3140	A 453000
73-03-07			3220	570	A 4960	75-05-26			57100	2130	A 328000
73-03-14			12900	3070	A 107000	75-05-27			49500	1680	A 225000
73-03-27			14800	2810	A 112000	75-05-29			81	1700	A 372
73-04-04			17300	3540	A 165000	75-06-04			12700	2490	A 85400
73-04-17			8250	2300	A 51200	75-06-23			1580	740	A 3160
73-04-20			15500	2890	A 121000	75-06-25			36000	890	A 86500
73-04-23			16500	2250	A 100000	75-06-26			41200	21100	A 2350000
73-04-25			21400	2340	A 135000	75-07-01			5360	2630	A 38100
73-04-27			19700	2020	A 107000	75-07-08			1960	3640	A 19300
73-05-03			3370	2500	A 22700	75-07-20			1330	140	A 503
73-05-09			2140	460	A 2660	75-07-22			1330	810	A 2910
73-05-22			969	220	A 576	75-07-29			40700	850	A 93400
73-05-30			2610	1570	A 11100	75-07-30			44900	1220	A 148000
73-06-05			51600	2900	A 404000	75-08-18			4000	1730	A 18700
73-06-11			3680	720	A 7150	75-09-04			1150	410	A 1270
73-06-22			4680	630	A 7960	75-09-25			1210	660	A 2160
73-07-03			1030	210	A 584	75-10-07			670	250	A 452
73-07-10			694	170	A 319	75-11-03			555	440	A 659
73-07-16			953	80	A 206	75-12-02			587	420	A 666
73-08-01			8400	1710	A 38800	75-12-30			920	310	A 770
73-08-03			13400	1660	A 60100	76-01-13			624	350	A 590
73-08-13			973	220	A 578	76-01-26			544	140	A 206
73-08-21			795	250	A 537	76-02-04			472	150	A 191
73-08-28			466	220	A 277	76-02-10			502	140	A 190
73-09-04			401	230	A 249	76-02-25			447	350	A 422
73-09-10			14300	3170	A 122000	76-03-02			421	420	A 477
73-09-18			2160	1760	A 10300	76-03-30			434	210	A 246

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-04-22			12200	4810	A 158000	79-06-13			0940	34400	4250
76-05-04			2930	1770	A 14000	79-07-10			1700	1460	582
76-05-27			1840	970	A 4820	79-08-22			0955	697	238
76-06-03			5410	5320	A 77700	79-09-11			1500	684	45
76-07-09			550	550	A 817	79-10-17			1015	214	32
76-07-15			564	810	A 1230	79-10-23			1200	454	40
76-07-23			478	230	A 297	79-11-06			1045	208	32
76-07-29			377	420	A 428	79-11-08			1130	391	60
76-08-02			443	420	A 502	79-11-28			1225	906	1880
76-08-17			319	760	A 655	79-12-05			0930	390	203
76-08-24			244	260	A 171	79-12-13			1310	305	50
76-08-31			253	280	A 191	80-01-15			1130	284	50
76-09-14			410	120	A 133	80-01-15			1400	277	33
76-09-17			14200	6840	A 262000	80-02-06			1025	394	50
76-09-20			4400	2520	A 29900	80-02-20			1615	456	86
76-09-21			5950	2800	A 45000	80-02-21			1505	432	110
76-09-23			7380	3250	A 64800	80-03-12			1245	323	30
76-10-05			905	310	A 757	80-03-18			1400	292	11
76-10-28			578	360	A 562	80-03-25			1343	284	80
76-11-10			1030	290	A 806	80-04-22			1515	226	34
76-12-01			454	290	A 355	80-05-19			1410	32800	8720
76-12-09			574	210	A 325	80-05-20			1610	23900	4420
76-12-15			495	150	A 200	80-05-21			1135	9170	4090
76-12-20			443	170	A 203	80-06-10			1540	5570	1000
77-01-04			367	120	A 119	80-07-10			1125	393	670
77-01-21			853	80	A 184	80-07-22			1630	281	46
77-02-02			573	110	A 170	80-08-04			1315	227	540
77-02-10			491	50	A 66	80-08-19			1400	196	64
77-02-25			629	130	A 221	80-09-15			1308	250	190
77-03-02			492	150	A 199	80-09-16			1500	259	49
77-03-09			464	90	A 113						
77-03-23			350	190	A 180						
77-03-29			11300	3040	A 92800						
77-04-13			483	300	A 391						
77-05-10			12300	6180	A 205000						
77-05-20			7510	5200	A 105000						
77-05-23			34000	2630	A 241000						
77-05-25			36600	2570	A 254000						
77-06-03			15400	4630	A 193000						
77-06-08			5110	2470	A 34100						
77-07-07			1250	660	A 2230						
77-07-14			771	310	A 645						
77-07-20			572	230	A 355						
77-08-05			1150	400	A 1240						
77-10-03		1210	276	140	A 104						
77-10-14		1040	230	30	A 19						
77-10-27		1030	285	50	A 38						
77-11-18		1030	285	50	A 38						
77-11-18		1115	289	80	A 62						
77-11-30			240	50	A 32						
77-12-06		1345	222	110	A 66						
78-01-04		1240	245	40	A 26						
78-01-23		1620	280	6	A 4.5						
78-01-26		1050	353	60	A 57						
78-02-02		1220	314	40	A 34						
78-02-13		1200	517	68	A 95						
78-02-27		1145	535	90	A 130						
78-03-13		1155	1230	1780	A 5910						
78-03-14		0930	835	674	A 1520						
78-04-03		1120	353	200	A 191						
78-04-12		1220	2800	2020	A 15300						
78-04-20		1200	381	180	A 185						
78-04-26		1110	295	130	A 104						
78-05-10		1145	1200	959	A 3110						
78-05-17		1210	496	250	A 335						
78-05-25		1150	5120	12500	A 173000						
78-05-31		1220	42400	6310	A 722000						
78-06-07		1210	36000	5190	A 504000						
78-06-07		1425	33500	4750	A 430000						
78-06-09		1135	48500	2900	A 380000						
78-07-12			606	160	A 262						
78-07-12		0830	618	30	A 50						
78-07-19			450	490	A 595						
78-08-02		1130	397	720	A 772						
78-08-16		1210	440	63	A 75						
78-08-22		1430	940	300	A 761						
78-08-31		1425	396	100	A 107						
78-09-07		1105	438	160	A 189						
78-09-12		1610	339	103	A 94						
78-09-13		1410	307	110	A 91						
78-09-22		1010	206	210	A 117						
78-10-18		1215	289	76	A 59						
78-11-07		1515	235	43	A 27						
78-12-06		1130	320	27	A 23						
79-01-09		1615	238	5	A 3.2						
79-02-13		1340	639	10	A 17						
79-03-06		1550	510	20	A 28						
79-04-11		0940	1120	248	A 750						
79-05-08		1730	5330	2250	A 32400						

\*\*\*\*\*  
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07316000 RED RIVER NEAR GAINESVILLE, TEX.



## RED RIVER BASIN

07316500 WASHITA RIVER NEAR CHEYENNE, OKLA.

LOCATION.--Lat 35°37'35", long 99°40'05", in SE 1/4 sec.5, T.13 N., R.23 W., Roger Mills County, Hydrologic Unit 11130301, near left bank on downstream side of pier of bridge on U.S. Highway 283, 0.5 mi (0.8 km) downstream from Sergeant Major Creek, 1.0 mi (1.6 km) north of Cheyenne, 5.2 mi (8.4 km) upstream from Dead Indian Creek, and at mile 543.9 (875.1 km).

DRAINAGE AREA.--794 mi<sup>2</sup> (2,056 km<sup>2</sup>).

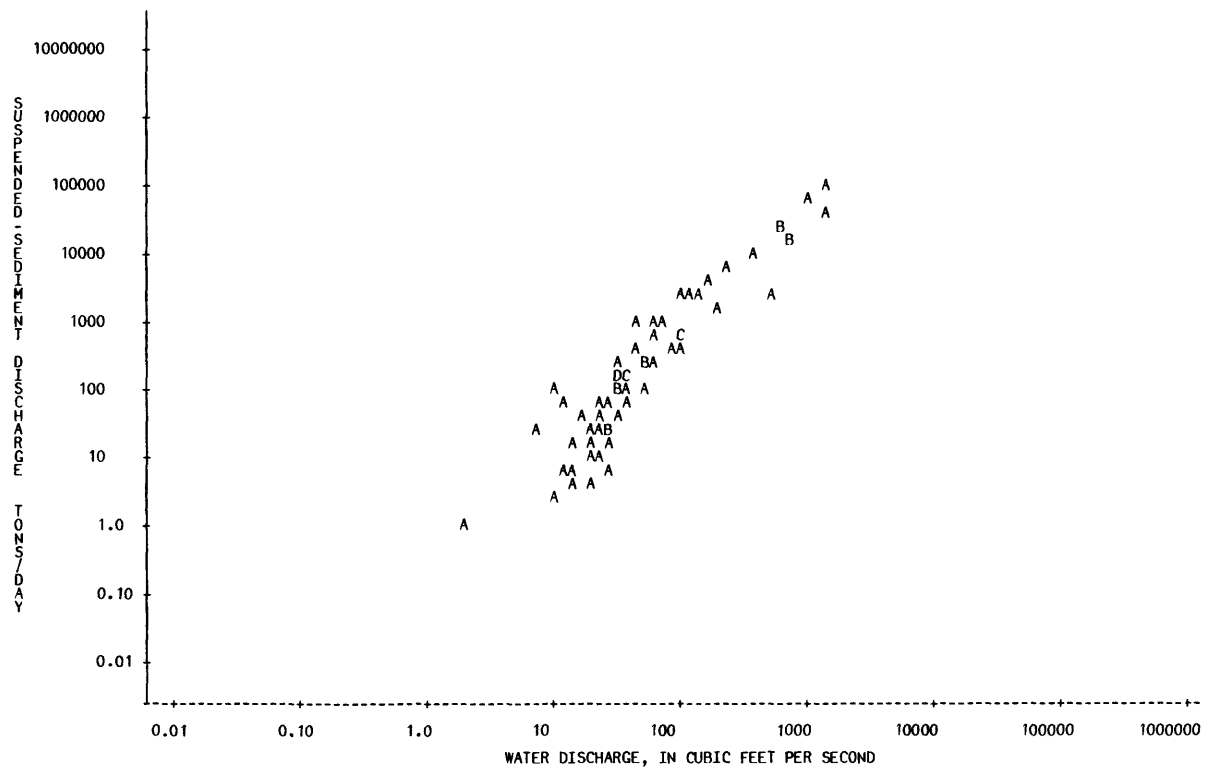
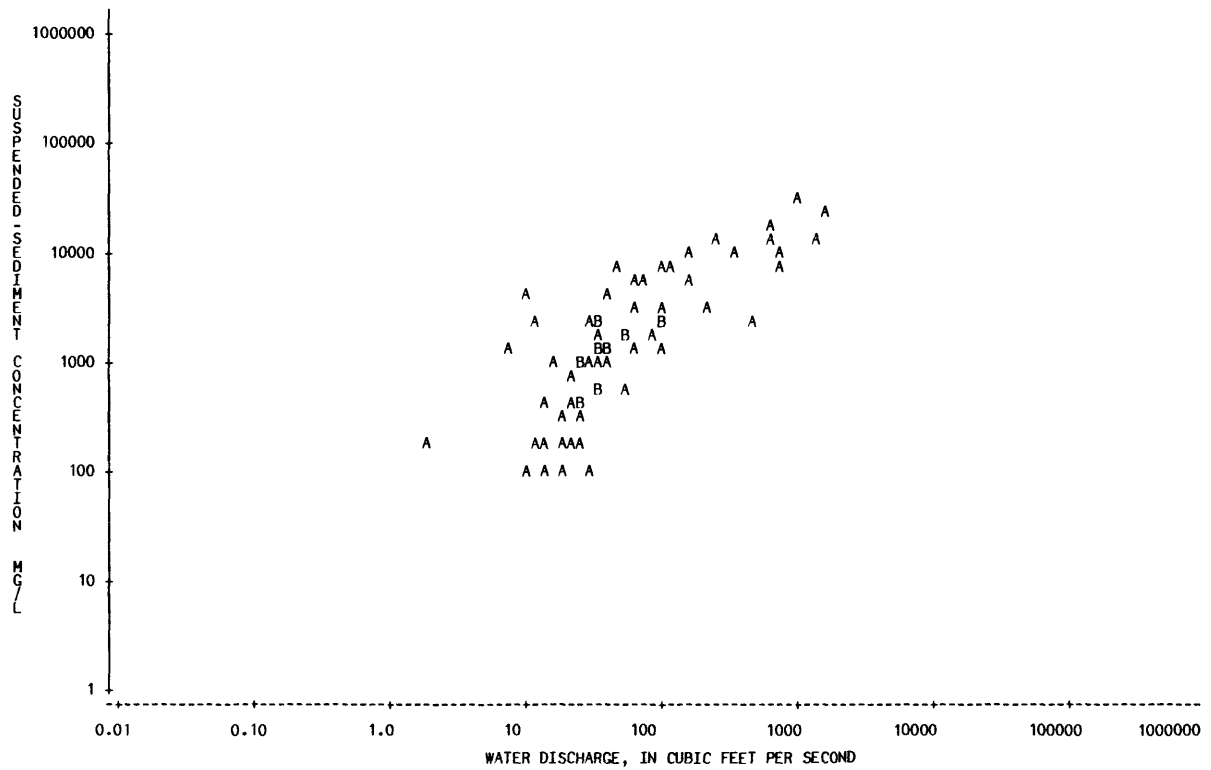
PERIOD OF RECORD.--Water years 1938-40, 1943-47.

REMARKS.--Initial upstream floodwater-retarding structure was completed in October 1948. The remaining construction was essentially completed by 1960 with 508 mi<sup>2</sup> (1,316 km<sup>2</sup>) of the drainage area above the station controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
38-05-22			660	12200	A	21700			35	1400	A	132
38-05-24			1460	12400	A	48900	45-04-23		40	1400	A	151
38-06-15			51	1600	A	220	45-05-09		21	400	A	23
38-08-02			2.0	200	A	1.1	45-05-14		18	300	A	15
39-01-08			1490	22700	A	91300	45-06-04		12	2400	A	78
39-01-10			7.0	1500	A	28	45-06-12		43	4100	A	476
39-01-30			16	1000	A	43	45-08-15		169	10700	A	4880
39-04-05			595	17900	A	28800	46-04-23		23	800	A	50
39-04-17			59	6500	A	1040	46-05-13		34	1800	A	165
39-05-08			149	6400	A	2570	46-05-28		954	31000	A	79800
39-05-22			14	400	A	15	46-10-10		242	12300	A	8040
40-06-24			10.0	4700	A	127	47-04-04		20	200	A	11
42-10-04			74	5100	A	1020						
42-10-18			700	10600	A	20000						
42-10-19			770	6800	A	14100						
42-10-20			480	2300	A	2980						
42-10-21			210	3000	A	1700						
42-10-30			99	2200	A	588						
43-01-22			97	2100	A	550						
43-04-08			103	2900	A	806						
43-04-14			93	1300	A	326						
43-05-20			80	1700	A	367						
43-05-24			62	1300	A	218						
43-06-16	0001		44	6900	A	820						
43-06-16	0002		99	8600	A	2300						
43-06-17			24	900	A	58						
43-06-21			32	1500	A	130						
43-07-14			61	3600	A	593						
44-01-03			34	500	A	46						
44-03-20			55	600	A	89						
44-04-25			32	2500	A	216						
44-05-12			362	10700	A	10500						
44-05-16			55	2000	A	297						
44-05-30			117	7000	A	2210						
44-06-05			26	1100	A	77						
44-07-16			34	900	A	83						
44-07-31			37	1500	A	150						
44-11-06			10.0	100	A	2.7						
44-11-13			13	100	A	3.5						
44-11-20			13	200	A	7.0						
44-11-27			11	200	A	5.9						
44-12-08			31	2100	A	176						
44-12-13			31	1000	A	84						
44-12-14			32	2200	A	190						
45-01-08			23	200	A	12						
45-01-15			19	100	A	5.1						
45-01-22			26	300	A	21						
45-02-05			26	400	A	28						
45-02-12			25	200	A	13						
45-02-19			28	100	A	7.6						
45-02-28			38	1000	A	103						
45-03-20			36	600	A	58						
45-03-26			24	400	A	26						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07316500 WASHITA RIVER NEAR CHEYENNE, OKLA.



## RED RIVER BASIN

07324500 BARNITZ CREEK NEAR ARAPAH0, OKLA.

LOCATION.--Lat 35°35', long 99°02', in SE 1/4 SE 1/4 sec.19, T.13 N., R.17 W., Custer County, Hydrologic Unit 11130302, on right bank on downstream side of pier of county road bridge, 0.5 mi (0.8 km) downstream from the confluence of East and West Barnitz Creeks, 4.5 mi (7.2 km) west of Arapaho, and at mile 6.0 (9.6 km).

DRAINAGE AREA.--243 mi<sup>2</sup> (629 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1947, 1949.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-05-13	1155		63	2190	373	47-07-18	0900		212	4030	2310
47-05-14	1110		24	101	6.5	47-07-19	0715		250	3990	2690
47-05-16	0325		1700	4600	21100	47-07-19	1020		90	3960	962
47-05-16	0648		1490	4680	18800	47-07-20	0730		9.1	159	3.9
47-05-16	1022		1070	5150	14900	47-07-21	0715		3.1	94	0.79
47-05-16	1540		550	4350	6460	47-07-22	0730		1.4	64	0.24
47-05-17	0950		74	2270	454	47-07-23	0645		1.0	69	0.19
47-05-20	1250		40	670	72	47-07-24	0800		28	60	4.5
47-05-20	1441		165	9440	4210	47-07-25	1440		87	4660	1090
47-05-20	1830		340	11600	10600	47-07-26	0745		18	238	12
47-05-21	1102		118	5020	1600	47-07-27	0715		3.3	57	0.51
47-05-21	1345		82	4480	992	47-07-28	0700		1.4	72	0.27
47-05-22	1345		23	216	13	47-07-29	0645		0.30	91	0.07
47-05-28	0830		6.3	106	1.8	47-07-30	0620		0.10	66	0.02
47-05-29	1345		4.6	201	2.5	48-11-01	1230		2090	8140	45900
47-05-30	1235		3.6	209	2.0	48-11-01	1530		2020	5180	28300
47-05-31	1345		2.9	204	1.6	48-11-01	1600		2020	5260	28700
47-06-01	1315		1.3	204	0.72	48-11-02	1000		43	3410	396
47-06-02	1045		0.80	200	0.43	48-11-10	1645		0.90	27	0.07
47-06-02	1745		1.4	271	1.0	48-11-12	0800		0.50	29	0.04
47-06-03	1110		0.80	183	0.40	48-11-13	1115		0.20	24	0.01
47-06-04	1125		2.9	214	1.7	48-11-14	0930		0.10	30	0.01
47-06-05	1130		80	3170	685	48-11-15	0730		0.10	56	0.02
47-06-05	1235		67	2480	449	49-02-08	0900		556	4140	6210
47-06-05	1335		60	1480	240	49-02-08	1645		812	4040	8860
47-06-05	1430		53	1260	180	49-02-09	0930		549	1460	2160
47-06-06	1335		14	118	4.5	49-02-09	1300		574	2860	4430
47-06-07	1335		7.1	120	2.3	49-02-09	1645		548	2760	4080
47-06-08	1530		7.1	150	2.9	49-02-21	1630		24	126	8.2
47-06-09	1340		2.6	153	1.1	49-02-22	1645		23	96	6.0
47-06-10	1335		1.1	172	0.51	49-02-23	0900		23	121	7.5
47-06-11	1332		1.4	199	0.75	49-02-24	0630		19	146	7.5
47-06-12	1415		1.4	181	0.68	49-02-25	1645		23	171	11
47-06-13	1340		1.4	218	0.82	49-02-27	1700		22	250	15
47-06-14	1400		1.4	216	0.82	49-02-28	1715		22	262	16
47-06-15	1437		1.4	170	0.64	49-03-01	0830		22	72	4.3
47-06-19	1520		1.9	134	0.69	49-03-02	1400		17	80	3.7
47-06-20	0940		6.7	76	1.4	49-03-05	1645		17	119	5.5
47-06-21	0845		2.1	28	0.16	49-03-06	1700		16	94	4.1
47-06-22	0930		2.4	38	0.25	49-03-07	1615		16	94	4.1
47-06-23	0630		2.4	104	0.67	49-03-08	1645		14	57	2.2
47-06-24	0645		1.3	132	0.46	49-03-09	1700		11	86	2.6
47-06-25	0715		200	8050	4350	49-03-10	1615		8.6	91	2.1
47-06-25	1015		100	5740	1550	49-03-18	1700		15	108	4.4
47-06-25	1530		31	2540	213	49-03-19	1730		15	130	5.3
47-06-26	0700		22	560	33	49-03-21	1705		165	15400	6860
47-06-26	1015		20	243	13	49-03-22	0715		31	12700	1060
47-06-27	0645		5.8	97	1.5	49-03-22	1735		30	3760	305
47-06-28	0615		2.2	74	0.44	49-03-23	1650		30	386	31
47-06-29	0650		0.80	75	0.16	49-03-24	1640		30	342	28
47-06-30	0620		0.50	84	0.11	49-03-25	1755		30	137	11
47-07-01	0615		0.20	71	0.04	49-03-26	1830		29	130	10
47-07-18	0720		34	383	35	49-03-29	1700		30	138	11

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07324500 BARNITZ CREEK NEAR ARAPAHO, OKLA.---CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-03-30	1700		274	44500	32900	49-06-09	1050		12	552	18
49-03-30	1915		561	20400	30900	49-06-10	0900		12	200	6.5
49-03-31	0730		188	11800	5990	49-06-11	0830		12	194	6.3
49-03-31	1645		49	7540	998	49-06-12	1315		12	241	7.8
49-03-31	1905		40	6660	719	49-06-14	1900		12	226	7.3
49-04-01	0745		28	2720	206	49-07-01	1800		2.6	90	0.63
49-04-01	1245		27	1750	128	49-07-02	1715		2.6	94	0.66
49-04-01	1700		27	1170	85	49-09-03	1315		204	9500	5230
49-04-02	1030		27	448	33	49-09-04	0830		116	5110	1600
49-04-03	1100		27	166	12	49-09-04	1300		60	2690	436
49-04-04	0730		36	163	16	49-09-04	1615		44	1900	226
49-04-05	1645		11	177	5.3	49-09-05	0730		14	547	21
49-04-06	1655		8.4	160	3.6	49-09-05	1700		14	294	11
49-04-07	1630		7.8	132	2.8	49-09-06	0730		4.3	102	1.2
49-04-08	1630		6.4	124	2.1	49-09-06	1700		4.2	124	1.4
49-04-09	1400		4.4	132	1.6	49-09-07	0700		3.1	136	1.1
49-04-10	0900		3.6	224	2.2						
49-04-10	1615		3.0	113	0.92						
49-04-11	1640		3.0	124	1.0						
49-04-12	1630		2.5	114	0.77						
49-04-13	0740		2.5	111	0.75						
49-04-14	1715		2.2	122	0.72						
49-04-15	1630		1.9	104	0.53						
49-04-16	1530		1.7	92	0.42						
49-04-17	0900		1.5	102	0.41						
49-04-18	0730		1.4	101	0.38						
49-04-19	0730		1.4	118	0.45						
49-04-20	0730		1.2	96	0.31						
49-04-21	1700		1.4	90	0.34						
49-04-22	0715		1.5	88	0.36						
49-04-23	0720		1.7	68	0.31						
49-04-24	0945		1.4	84	0.32						
49-04-25	0720		1.3	70	0.25						
49-04-26	0735		1.2	84	0.27						
49-04-27	0745		3.6	92	0.89						
49-04-28	1805		21	153	8.7						
49-04-29	0730		12	104	3.4						
49-04-29	1255		10.0	68	1.8						
49-04-30	1300		21	91	5.2						
49-05-01	0900		20	94	5.1						
49-05-07	0830		147	8880	3520						
49-05-08	0810		116	6550	2050						
49-05-08	1000		65	4390	770						
49-05-08	1320		43	4330	503						
49-05-08	1545		32	3120	270						
49-05-09	0800		31	858	72						
49-05-11	1645		30	236	19						
49-05-12	1630		30	163	13						
49-05-13	0700		29	157	12						
49-05-14	1300		31	3420	286						
49-05-15	0930		30	3010	244						
49-05-15	1800		31	1400	117						
49-05-17	0705		31	196	16						
49-05-18	1600		473	21600	27600						
49-05-18	1715		449	15200	18400						
49-05-18	1815		425	11000	12600						
49-05-18	1930		358	11100	10700						
49-05-19	0645		151	17600	7180						
49-05-19	0745		254	15800	10800						
49-05-19	1140		846	14700	33600						
49-05-19	1345		1220	16000	52700						
49-05-19	1515		1420	11800	45200						
49-05-19	1645		1460	8320	32800						
49-05-19	1800		1490	8640	34800						
49-05-19	1935		1780	7590	36500						
49-05-20	0715		665	9940	17800						
49-05-20	0900		473	7320	9350						
49-05-20	1115		328	5920	5240						
49-05-20	1255		256	3940	2720						
49-05-20	1920		173	3700	1730						
49-05-21	1225		1680	17500	79400						
49-05-21	1620		2120	6850	39200						
49-05-22	0950		1490	3960	15900						
49-05-22	1300		260	3010	2110						
49-05-22	1610		228	2260	1390						
49-05-22	1945		221	1620	967						
49-05-23	1625		628	14000	23700						
49-05-23	1750		548	10800	16000						
49-05-23	2000		425	9040	10400						
49-05-24	1610		113	2420	738						
49-05-24	1815		103	2240	623						
49-05-29	1700		1660	896	4020						
49-05-30	1815		640	967	1670						
49-06-02	1630		220	459	273						
49-06-03	0900		196	502	266						
49-06-04	1130		7.0	490	9.3						
49-06-05	1600		168	14200	6440						
49-06-06	1820		17	494	23						
49-06-08	0800		12	676	22						

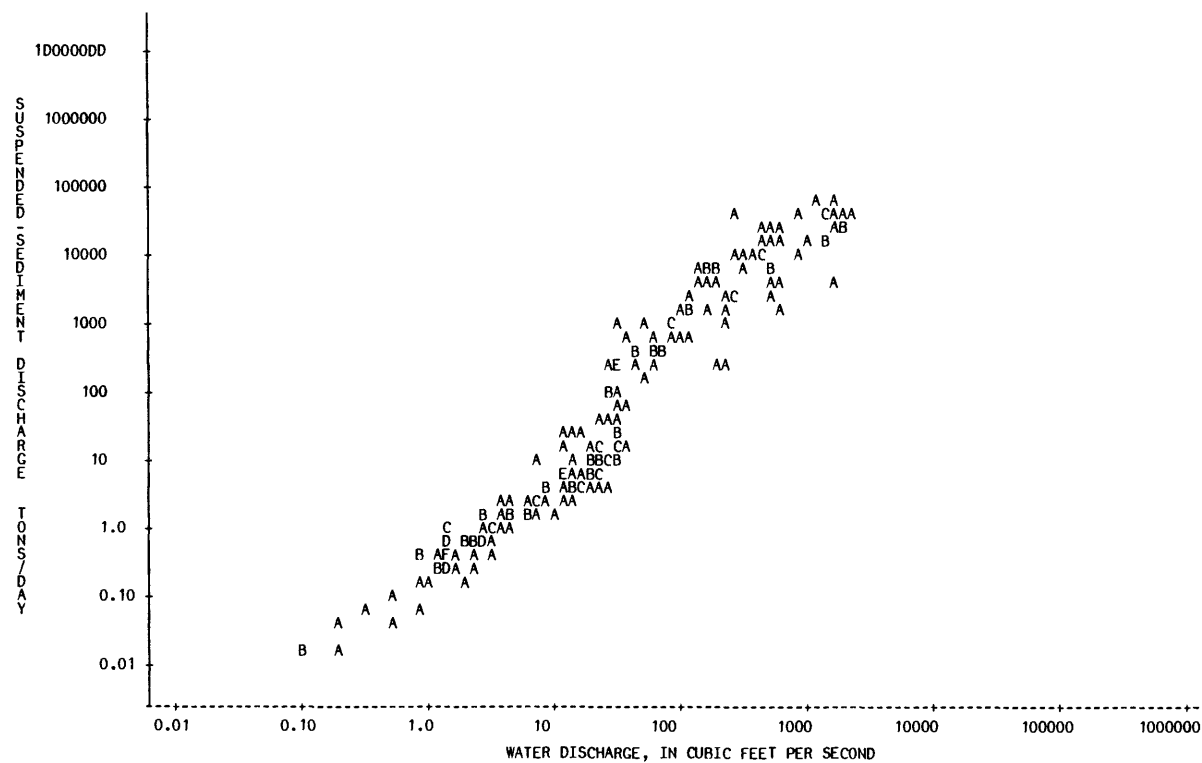
\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE





## RED RIVER BASIN

07325000 WASHITA RIVER NEAR CLINTON, OKLA.

LOCATION.--Lat 34°31'52", long 98°57'57", in SW 1/4 NE 1/4 sec.11, T.12 N., R.17 W., Custer County, Hydrologic Unit 11130302, on downstream side of pier of bridge on U.S. Highway 183, 0.5 mi (0.8 km) north of Clinton, 0.8 mi (1.3 km) upstream from Beaver Creek, 4.8 mi (7.7 km) downstream from Barnitz Creek, and at mile 447.4 (719.9 km).

DRAINAGE AREA.--1,977 mi<sup>2</sup> (5,120 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-47, 1950.

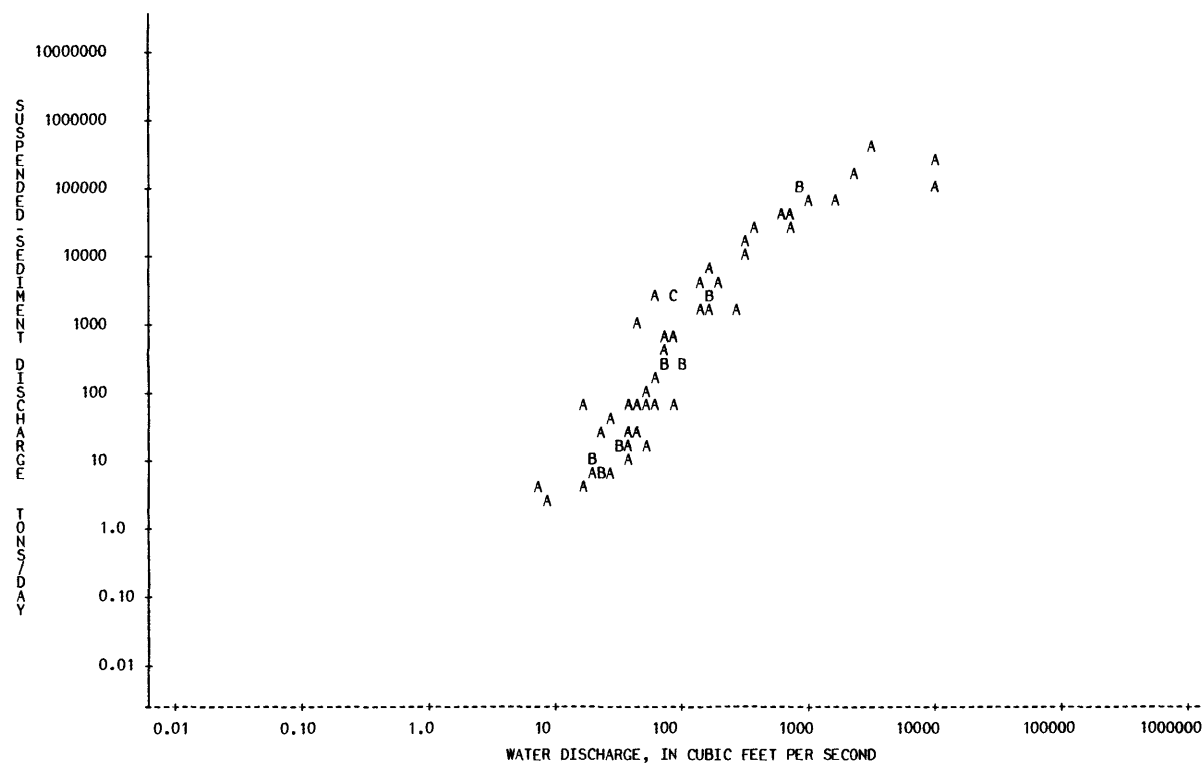
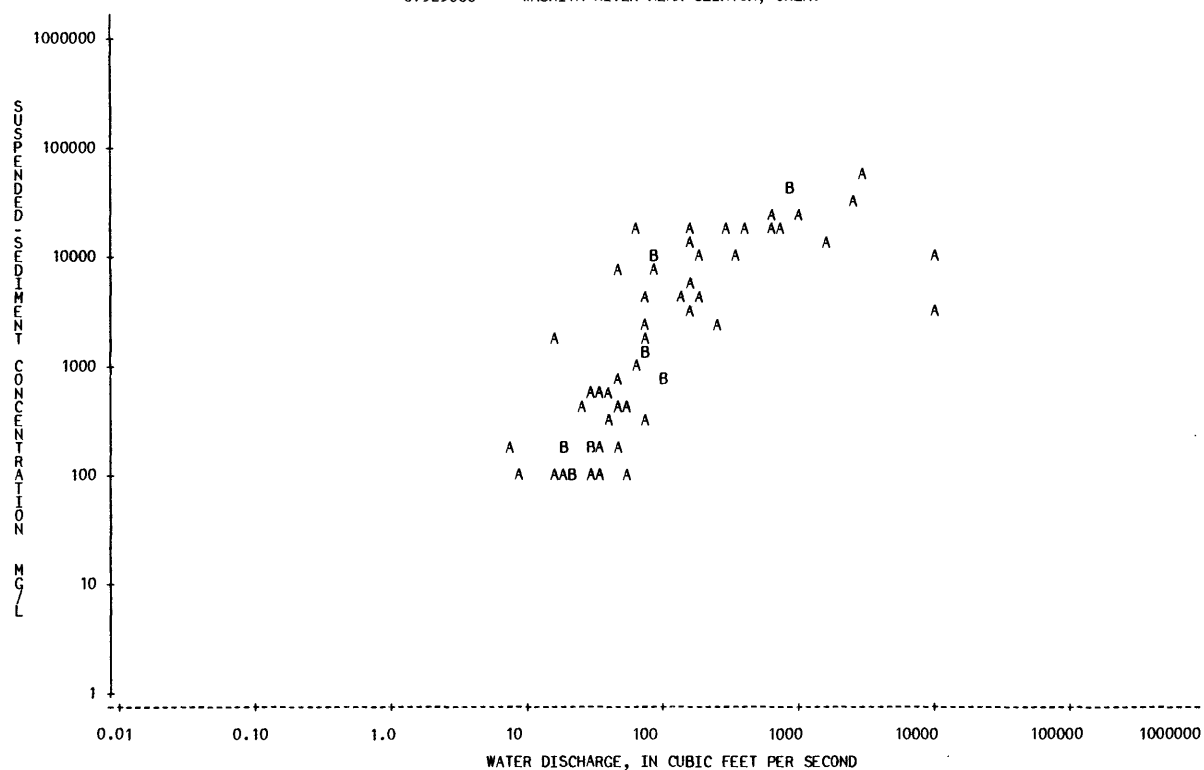
REMARKS.--Flow regulated since February 1961 by Foss Reservoir. Initial upstream floodwater-retarding structure was completed in October 1948. The remaining construction above Foss Reservoir was essentially completed by 1960 with 860 mi<sup>2</sup> (2,227 km<sup>2</sup>) controlled. Construction is continuing between Foss Reservoir and the Clinton station with 220 mi<sup>2</sup> (570 km<sup>2</sup>) of the area currently controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-19			9570	3400	A 87900	45-06-18			50	700	A 94
38-05-22			1550	14100	A 59000	45-07-09			47	7300	A 926
38-06-15			248	2700	A 1810	45-10-01			162	5900	A 2580
38-07-26			42	500	A 57	47-04-05			1080	22200	A 64700
38-10-03			7.0	200	A 3.8	47-04-09			680	18700	A 34300
38-10-12			9.0	100	A 2.4	50-07-07			383	20200	A 20900
39-01-20			18	200	A 9.7	50-09-19			92	8500	A 2110
39-01-30			20	100	A 5.4						
39-02-07			16	100	A 4.3						
39-04-24			30	200	A 16						
39-06-16			151	11800	A 4810						
39-07-24			36	600	A 58						
39-08-21			131	4500	A 1590						
39-10-10			17	1700	A 78						
40-04-11			10400	10700	A 300000						
41-08-11			75	1900	A 385						
41-08-26			84	9500	A 2150						
42-09-12			84	9100	A 2060						
42-09-22			159	3300	A 1420						
42-10-18			2960	50400	A 403000						
43-04-14			328	9800	A 8680						
43-06-17			2360	29200	A 186000						
43-06-18			307	17400	A 14400						
43-06-21			107	800	A 231						
43-06-30			909	38200	A 93800						
43-07-15			72	3800	A 739						
43-09-03			24	400	A 26						
43-09-06			61	16100	A 2650						
44-02-02			61	1000	A 165						
44-04-21			74	1200	A 240						
44-05-16			156	16200	A 6820						
44-05-30			606	24800	A 40600						
44-06-05			79	2600	A 555						
44-06-16			172	4600	A 2140						
44-07-17			28	500	A 38						
44-07-24			710	16800	A 32200						
44-07-31			890	49000	A 118000						
44-08-07			35	200	A 19						
44-09-04			22	100	A 5.9						
44-09-11			19	200	A 10						
44-11-13			30	200	A 16						
44-11-20			22	100	A 5.9						
44-11-27			28	100	A 7.6						
44-12-19			39	300	A 32						
45-01-01			48	400	A 52						
45-01-15			36	100	A 9.7						
45-01-22			58	400	A 63						
45-02-05			53	100	A 14						
45-03-19			71	1200	A 230						
45-03-26			47	200	A 25						
45-04-23			79	300	A 64						
45-04-30			96	800	A 207						
45-06-04			192	8800	A 4560						

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07325000 WASHITA RIVER NEAR CLINTON, OKLA.



## RED RIVER BASIN

07325500 WASHITA RIVER AT CARNEGIE, OKLA.

LOCATION.--Lat 35°07'02", long 98°33'49", in NW 1/4 NW 1/4 sec.3, T.7 N., R.13 W., Caddo County, Hydrologic Unit 11130302, on downstream side of right pier of bridge on State Highway 9, 1,300 ft (396.2 m) upstream from Running Creek, 2.7 mi (4.3 km) east of Carnegie, and at mile 353.9 (569.4 km). Records include flow of Running Creek.

DRAINAGE AREA.--3,129 mi<sup>2</sup> (8,104 km<sup>2</sup>), includes that of Running Creek.

PERIOD OF RECORD.--Water years 1942-47, 1969, 1973.

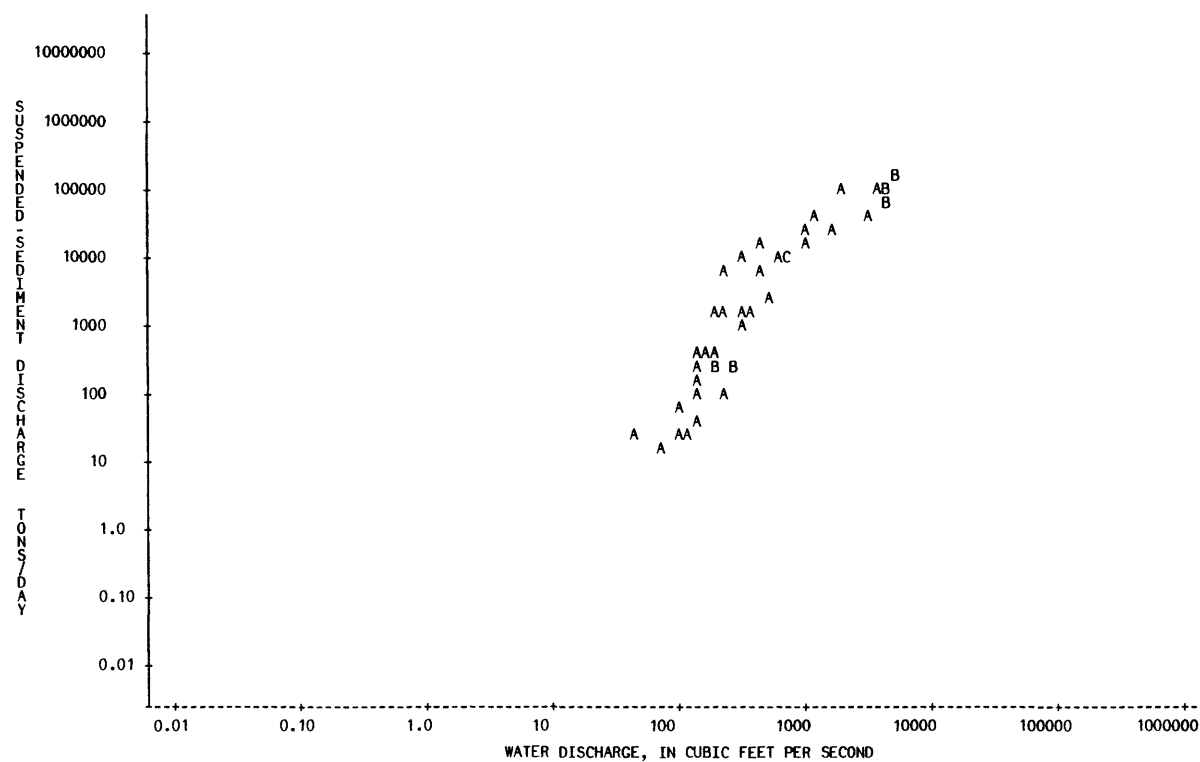
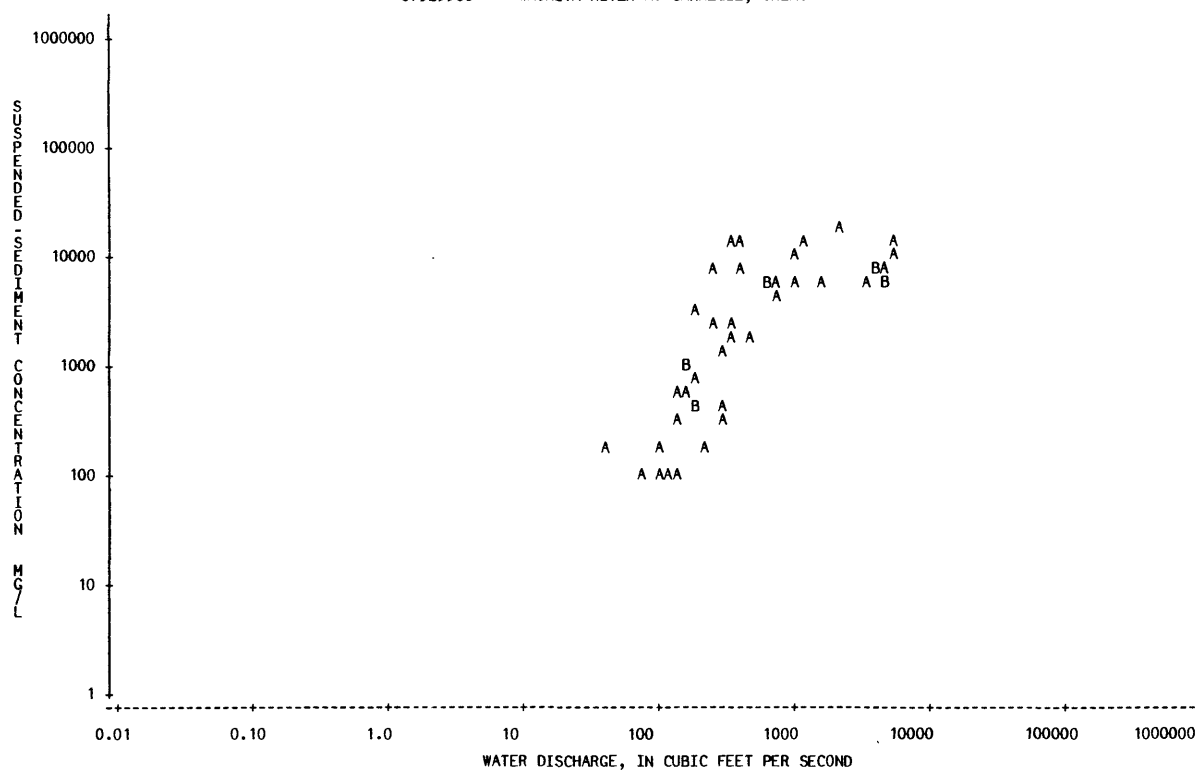
REMARKS.--Some diversion above station for irrigation. October 1942 to May 1949, occasional fluctuation caused by power plant at Carnegie, 7.5 mi (12.1 km) above station. Some regulation by Foss Reservoir since February 1961. Initial upstream floodwater-retarding structure was completed in July 1948 on Cavalry Creek. Construction is continuing with 713 mi<sup>2</sup> (1,847 km<sup>2</sup>) of the area below Foss Reservoir controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-08-12			150	1100	A 445						
42-09-12			234	8500	A 5370						
42-09-23			417	6700	A 7540						
42-10-02			147	600	A 238						
42-10-22			1090	15500	A 45600						
42-10-31			660	6200	A 11000						
42-11-06			276	300	A 224						
42-12-04			199	400	A 215						
43-02-03			216	200	A 117						
43-04-23			197	800	A 426						
43-05-13			674	5800	A 10600						
43-05-18			5220	9600	A 135000						
43-05-19			4520	7100	A 86600						
43-05-21			4360	6000	A 70600						
43-05-27			5500	12800	A 190000						
44-03-23			320	14200	A 12300						
44-05-17			352	2100	A 2000						
44-05-23			130	300	A 105						
44-06-20			307	1200	A 995						
44-06-27			704	4700	A 8930						
44-07-11			287	400	A 310						
44-07-25			131	100	A 35						
44-08-01			980	9600	A 25400						
44-08-18			105	200	A 57						
44-08-30			151	500	A 204						
44-09-14			74	100	A 20						
44-09-27			43	200	A 23						
44-10-06			235	2600	A 1650						
45-01-25			114	100	A 31						
45-02-08			98	100	A 26						
45-03-22			166	1100	A 493						
45-04-19			773	5300	A 11100						
45-04-21			485	1700	A 2230						
45-07-17			197	400	A 213						
46-05-23			422	13900	A 15800						
46-06-27			2050	19600	A 108000						
46-10-15			196	2800	A 1480						
47-04-11			3220	5500	A 47800						
47-04-22			319	1900	A 1640						
47-05-19			4250	7200	A 82600						
47-05-20			1600	6200	A 26800						
47-06-10			1000	5100	A 13800						
69-05-05			4060	7670	A 84100						
73-04-02			4450	5630	A 67600						

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07325500 WASHITA RIVER AT CARNEGIE, OKLA.



## RED RIVER BASIN

07326000 COBB CREEK NEAR FORT COBB, OKLA.

LOCATION.--Lat 35°08'37", long 98°26'33", in NE 1/4 NE 1/4 sec.27, T.8 N., R.12 W., Caddo County, Hydrologic Unit 11130302, on left bank 10 ft (3.0 m) upstream from county road bridge, 0.3 mi (0.5 km) upstream from Punjo Creek, 1.2 mi (1.9 km) downstream from Fort Cobb Dam, 3.0 mi (4.8 km) north of Fort Cobb, and at mile 5.8 (9.3 km).

DRAINAGE AREA.--313 mi<sup>2</sup> (811 km<sup>2</sup>). Area at site used prior to Oct. 1, 1969, 319 mi<sup>2</sup> (826 km<sup>2</sup>).

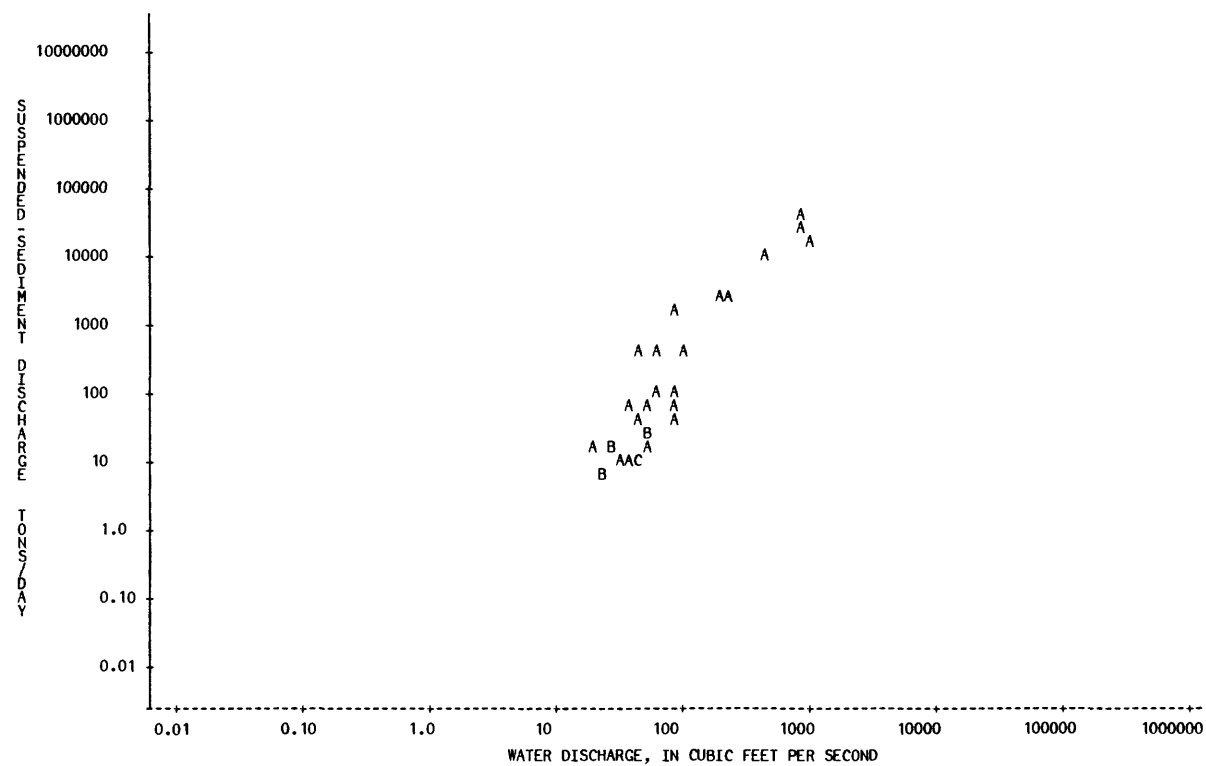
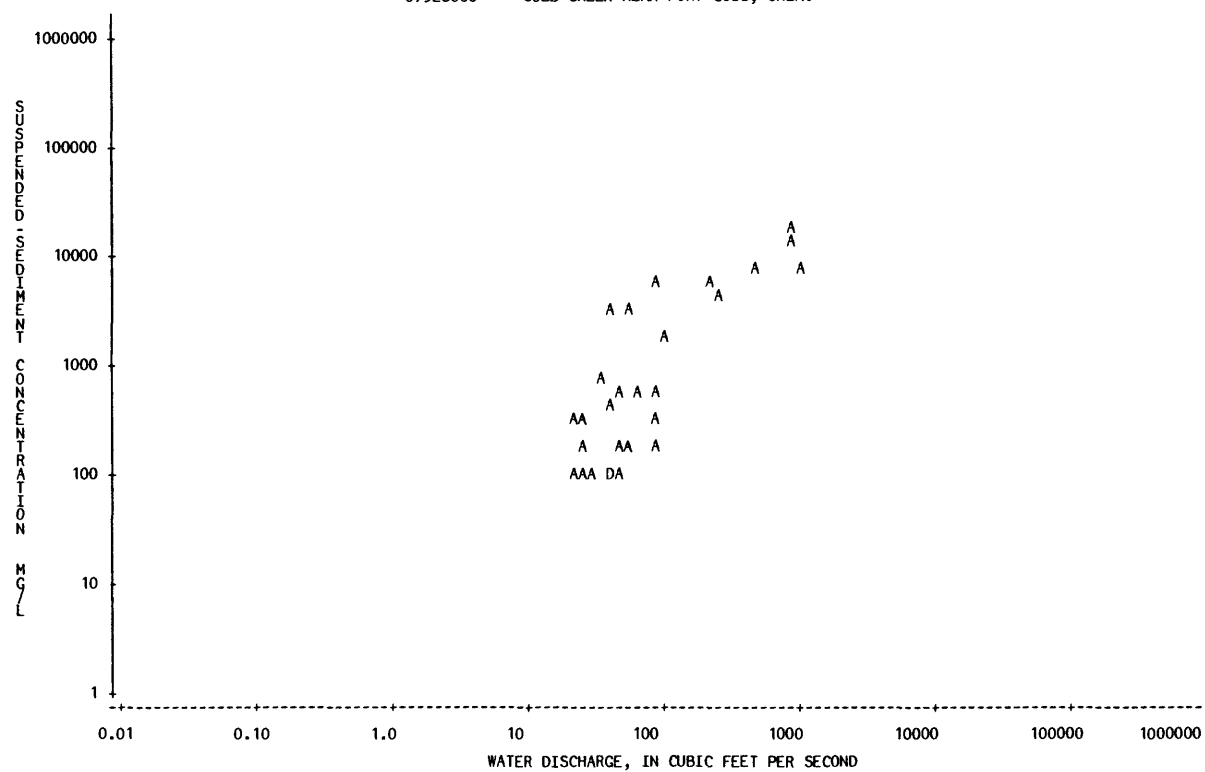
PERIOD OF RECORD.--Water years 1943-47, 1949.

REMARKS.--Flow regulated since March 1959 by Fort Cobb Reservoir. Prior to October 1960, published as Pond Creek near Fort Cobb. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-05-18			860	17600	A 40900
43-05-21			97	1700	A 445
44-05-23			35	700	A 66
44-07-25			92	6100	A 1520
44-08-30			25	300	A 20
44-11-09			31	100	A 8.4
45-01-18			239	4000	A 2580
45-03-29			49	600	A 79
45-04-19			81	300	A 66
45-04-21			82	200	A 44
45-06-23			90	500	A 121
45-07-17			61	500	A 82
45-08-02			27	200	A 15
45-08-09			22	100	A 5.9
45-10-03			51	200	A 28
45-10-10			40	100	A 11
45-12-20			41	100	A 11
46-01-10			49	100	A 13
46-01-31			42	100	A 11
46-02-06			42	100	A 11
46-02-28			43	400	A 46
46-05-23			42	2900	A 329
46-06-27			58	2900	A 454
46-10-15			21	300	A 17
47-04-09			206	5400	A 3000
47-04-22			48	200	A 26
47-05-13			476	7500	A 9640
47-05-20			966	7800	A 20300
47-05-21			802	12700	A 27500
48-12-01			24	100	A 6.5

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07326000 COBB CREEK NEAR FORT COBB, OKLA.



## RED RIVER BASIN

07326500 WASHITA RIVER AT ANADARKO, OKLA.

LOCATION.--Lat 35°05'06", long 98°14'35", in NW 1/4 sec.15, T.7 N., R.10 W., Caddo County, Hydrologic Unit 11130302, at left bank 35 ft (10.7 m) upstream from bridge on U.S. Highway 281 at north edge of Anadarko, 8.1 mi (13.0 km) upstream from Sugar Creek, and at mile 305.2 (491.1 km).

DRAINAGE AREA.--3,656 mi<sup>2</sup> (9,460 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1962-74.

REMARKS.--Some regulation by low-flow dam upstream, since 1959 by Fort Cobb Reservoir, and since February 1961 by Foss Reservoir. Initial upstream floodwater-retarding structure was completed in July 1948. Construction is continuing with 755 mi<sup>2</sup> (1,955 km<sup>2</sup>) currently controlled below Foss and Fort Cobb Reservoirs. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
62-01-02	1505	202		360	B	196	63-05-02	1430	212	210	B	120
62-01-15	0910	217		296	B	173	63-05-14	1015	80	135	B	29
62-02-09	1510	185		162	B	81	63-06-07	0910	164	175	B	77
62-02-20	1105	180		172	B	84	63-06-10	1105	359	760	B	737
62-03-12	1445	156		104	B	44	63-06-13	0940	264	531	B	378
62-04-03	0945	138		158	B	59	63-06-25	1430	2720	10100	B	74200
62-04-10	1555	172		225	B	104	63-07-11	1315	59	204	B	32
62-04-29	0900	1130		4630	B	14100	63-07-25	1210	30	52	B	4.2
62-05-18	1135	106		403	B	115	63-08-08	1145	26	113	B	7.9
62-05-21	1140	101		255	B	70	63-08-21	1210	35	80	B	7.6
62-05-27	1545	1950		9330	B	49100	63-09-05	1320	169	100	B	46
62-05-28	1535	2740		8910	B	65900	63-09-17	1205	890	5190	B	12500
62-05-29	1200	2730		6130	B	45200	63-10-04	1125	41	113	B	13
62-05-30	1115	1770		4230	B	20200	63-10-17	1100	29	75	B	5.9
62-05-31	1055	1200		2780	B	9010	63-10-29	1415	51	98	B	13
62-06-02	1045	677		2380	B	4350	63-11-13	1150	46	93	B	12
62-06-04	1030	1760		4870	B	23100	63-11-29	1150	61	80	B	13
62-06-07	0925	2450		8520	B	56400	63-12-23	1435	10.0	80	B	2.2
62-06-08	1300	3100		6380	B	53400	63-12-30	1110	8.8	46	B	1.1
62-06-09	1745	2020		5000	B	27300	64-01-14	1120	7.0	58	B	1.1
62-06-11	1050	4360		6220	B	73200	64-01-29	1210	60	26	B	4.2
62-06-12	1640	5170		4930	B	68800	64-02-05	1200	152	56	B	23
62-06-15	1150	2000		3200	B	17300	64-02-11	1120	133	158	B	57
62-06-18	1050	1350		3160	B	11500	64-02-26	1000	70	81	B	15
62-06-26	1245	561		3000	B	4540	64-03-10	1440	90	73	B	18
62-07-23	1350	40		125	B	13	64-03-24	1050	66	106	B	19
62-07-27	1135	1710		5970	B	27600	64-04-06	0955	83	116	B	26
62-08-09	1535	98		140	B	37	64-04-17	1700	83	116	B	26
62-09-06	0910	117		235	B	74	64-04-20	1645	276	207	B	154
62-09-10	1540	902		3740	B	9110	64-04-23	1015	102	164	B	45
62-09-18	1615	2860		12700	B	98100	64-05-01	1500	102	188	B	52
62-09-19	1300	3770		6640	B	67600	64-05-05	1020	70	128	B	24
62-09-20	1035	4050		4840	B	52900	64-05-08	1045	295	516	B	411
62-09-21	1505	2730		3480	B	25700	64-05-08	1250	565	863	B	1320
62-09-24	1340	594		1150	B	1840	64-05-08	1705	733	3110	B	6150
62-10-15	1305	203		211	B	116	64-05-09	1015	344	2980	B	2770
62-10-22	1120	2360		13200	B	84100	64-05-10	1250	225	627	B	381
62-10-23	1135	945		5660	B	14400	64-05-11	1335	428	1120	B	1290
62-10-30	1200	1140		4270	B	13100	64-05-11	1805	591	2870	B	4580
62-10-30	1640	1160		7010	B	22000	64-05-12	1350	2560	7320	B	50600
62-11-01	1625	293		751	B	594	64-05-13	1630	1400	5210	B	19700
62-11-06	1140	212		272	B	156	64-05-14	1505	672	3960	B	7190
62-11-28	1350	198		106	B	57	64-05-21	1030	124	132	B	44
62-12-13	1110	172		97	B	45	64-05-25	1600	64	51	B	8.8
62-12-27	1115	135		50	B	18	64-06-01	1410	792	1920	B	4110
63-01-08	1115	156		96	B	40	64-06-02	1555	395	3060	B	3260
63-02-06	1105	164		107	B	47	64-06-03	1540	218	732	B	431
63-02-20	1105	237		92	B	59	64-06-15	1240	105	158	B	45
63-03-06	1220	312		78	B	66	64-06-16	1310	702	1930	B	3660
63-03-20	1035	168		105	B	48	64-06-16	1600	659	2210	B	3930
63-04-01	1115	141		112	B	43	64-06-17	0830	343	2840	B	2630
63-04-02	1145	1040		3010	B	8450	64-06-18	1450	946	7140	B	18200
63-04-18	1045	176		65	B	31	64-06-19	1110	374	2940	B	2970

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07326500 WASHITA RIVER AT ANADARKO, OKLA.--CONTINUED

613

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
64-06-24	1005		76	103	B	21	65-06-04	0805	928	4490	B	11300	65-06-04	0805	928	4490	B	11300	65-06-04	0805	928	4490	B	11300
64-06-30	1140		50	65	B	8.8	65-06-05	1045	408	3300	B	3640	65-06-05	1045	408	3300	B	3640	65-06-05	1045	408	3300	B	3640
64-07-10	1430		18	15	B	0.73	65-06-07	1020	680	1980	B	3640	65-06-07	1020	680	1980	B	3640	65-06-07	1020	680	1980	B	3640
64-07-24	1000	0.50		70	B	0.09	65-06-07	1220	670	2090	B	3780	65-06-07	1220	670	2090	B	3780	65-06-07	1220	670	2090	B	3780
64-08-03	1210		110	1160	B	345	65-06-08	0940	375	2570	B	2600	65-06-08	0940	375	2570	B	2600	65-06-08	0940	375	2570	B	2600
64-08-05	1205		44	227	B	27	65-06-09	1005	281	1100	B	835	65-06-09	1005	281	1100	B	835	65-06-09	1005	281	1100	B	835
64-08-06	1050		119	1760	B	565	65-06-11	1530	156	200	B	84	65-06-11	1530	156	200	B	84	65-06-11	1530	156	200	B	84
64-08-13	1445		28	169	B	13	65-06-14	0930	987	6170	B	16400	65-06-14	0930	987	6170	B	16400	65-06-14	0930	987	6170	B	16400
64-08-17	1535	10.0		82	B	2.2	65-06-14	1400	1370	8750	B	32400	65-06-14	1400	1370	8750	B	32400	65-06-14	1400	1370	8750	B	32400
64-08-18	0950		231	880	B	549	65-06-15	1130	961	4360	B	11300	65-06-15	1130	961	4360	B	11300	65-06-15	1130	961	4360	B	11300
64-08-18	1200		219	545	B	322	65-06-16	1255	940	3080	B	7820	65-06-16	1255	940	3080	B	7820	65-06-16	1255	940	3080	B	7820
64-08-19	1400		1960	4550	B	24100	65-06-17	1150	711	1920	B	3690	65-06-17	1150	711	1920	B	3690	65-06-17	1150	711	1920	B	3690
64-08-20	1455		2620	5420	B	38300	65-06-18	1140	679	2660	B	4880	65-06-18	1140	679	2660	B	4880	65-06-18	1140	679	2660	B	4880
64-08-20	1750		2560	4850	B	33500	65-06-21	1105	299	342	B	276	65-06-21	1105	299	342	B	276	65-06-21	1105	299	342	B	276
64-08-21	0950		1290	3580	B	12500	65-06-22	1045	277	287	B	215	65-06-22	1045	277	287	B	215	65-06-22	1045	277	287	B	215
64-08-22	1130		358	2640	B	2550	65-06-24	1000	2570	8630	B	59900	65-06-24	1000	2570	8630	B	59900	65-06-24	1000	2570	8630	B	59900
64-08-24	0955		152	257	B	105	65-06-24	1340	2630	6610	B	46900	65-06-24	1340	2630	6610	B	46900	65-06-24	1340	2630	6610	B	46900
64-08-26	1100		97	157	B	41	65-06-24	2200	2360	4810	B	30600	65-06-24	2200	2360	4810	B	30600	65-06-24	2200	2360	4810	B	30600
64-08-28	1135		118	214	B	68	65-06-25	1125	1460	4500	B	17700	65-06-25	1125	1460	4500	B	17700	65-06-25	1125	1460	4500	B	17700
64-09-02	1350		45	43	B	5.2	65-06-26	1400	779	4970	B	10500	65-06-26	1400	779	4970	B	10500	65-06-26	1400	779	4970	B	10500
64-09-16	1410		50	111	B	15	65-06-28	1020	757	2880	B	5890	65-06-28	1020	757	2880	B	5890	65-06-28	1020	757	2880	B	5890
64-09-21	1150		299	2560	B	2070	65-06-29	0950	463	1780	B	2230	65-06-29	0950	463	1780	B	2230	65-06-29	0950	463	1780	B	2230
64-09-22	1145		355	2030	B	1950	65-07-01	0930	248	615	B	412	65-07-01	0930	248	615	B	412	65-07-01	0930	248	615	B	412
64-09-23	1350		266	2120	B	1520	65-07-06	0930	143	161	B	62	65-07-06	0930	143	161	B	62	65-07-06	0930	143	161	B	62
64-09-24	1435		151	640	B	261	65-07-13	0945	85	100	B	23	65-07-13	0945	85	100	B	23	65-07-13	0945	85	100	B	23
64-09-27	1700		82	127	B	28	65-07-26	1135	34	56	B	5.1	65-07-26	1135	34	56	B	5.1	65-07-26	1135	34	56	B	5.1
64-09-28	1000		480	502	B	651	65-08-07	1300	110	90	B	27	65-08-07	1300	110	90	B	27	65-08-07	1300	110	90	B	27
64-09-28	1500		934	2530	B	6380	65-08-11	1235	250	200	B	135	65-08-11	1235	250	200	B	135	65-08-11	1235	250	200	B	135
64-09-29	0955		531	4180	B	5990	65-08-17	1100	58	106	B	17	65-08-17	1100	58	106	B	17	65-08-17	1100	58	106	B	17
64-09-29	1500		424	3660	B	4190	65-08-30	1155	42	85	B	9.6	65-08-30	1155	42	85	B	9.6	65-08-30	1155	42	85	B	9.6
64-09-30	1230		189	1320	B	674	65-09-13	1020	42	105	B	12	65-09-13	1020	42	105	B	12	65-09-13	1020	42	105	B	12
64-10-02	1200		72	130	B	25	65-09-20	1100	255	272	B	187	65-09-20	1100	255	272	B	187	65-09-20	1100	255	272	B	187
64-10-08	1200		41	104	B	12	65-09-20	1555	579	1150	B	1800	65-09-20	1555	579	1150	B	1800	65-09-20	1555	579	1150	B	1800
64-10-20	1135		41	132	B	15	65-09-21	0200	2160	7570	B	44100	65-09-21	0200	2160	7570	B	44100	65-09-21	0200	2160	7570	B	44100
64-10-23	0120	2320		3930	B	24600	65-09-21	0420	2600	8960	B	62900	65-09-21	0420	2600	8960	B	62900	65-09-21	0420	2600	8960	B	62900
64-10-29	1105		100	214	B	58	65-09-21	0640	3370	8980	B	81700	65-09-21	0640	3370	8980	B	81700	65-09-21	0640	3370	8980	B	81700
64-11-05	1155		2000	5860	B	31600	65-09-21	0935	3670	9570	B	94800	65-09-21	0935	3670	9570	B	94800	65-09-21	0935	3670	9570	B	94800
64-11-05	1445		2490	6500	B	43700	65-09-21	1455	3630	8100	B	79400	65-09-21	1455	3630	8100	B	79400	65-09-21	1455	3630	8100	B	79400
64-11-05	1720		2790	8250	B	62100	65-09-21	1750	4070	7020	B	77100	65-09-21	1750	4070	7020	B	77100	65-09-21	1750	4070	7020	B	77100
64-11-06	0740		3580	5700	B	55100	65-09-21	2200	4740	5420	B	69400	65-09-21	2200	4740	5420	B	69400	65-09-21	2200	4740	5420	B	69400
64-11-06	1055		3680	5780	B	57400	65-09-22	0305	4890	4450	B	58800	65-09-22	0305	4890	4450	B	58800	65-09-22	0305	4890	4450	B	58800
64-11-06	1800		3740	4820	B	48700	65-09-22	0715	5170	4010	B	56000	65-09-22	0715	5170	4010	B	56000	65-09-22	0715	5170	4010	B	56000
64-11-07	0725		4360	4460	B	52500	65-09-22	1225	5560	4290	B	64400	65-09-22	1225	5560	4290	B	64400	65-09-22	1225	5560	4290	B	64400
64-11-07	1815		4840	4100	B	53600	65-09-22	1805	5790	4530	B	70800	65-09-22	1805	5790	4530	B	70800	65-09-22	1805	5790	4530	B	70800
64-11-08	0840		5000	4100	B	55400	65-09-23	0650	10300	3570	B	99300	65-09-23	0650	10300	3570	B	99300	65-09-23	0650	10300	3570	B	99300
64-11-08	1645		4030	3450	B	37500	65-09-23	1450	11000	2900	B	86100	65-09-23	1450	11000	2900	B	86100	65-09-23	1450	11000	2900	B	86100
64-11-09	1030		1390	3510	B	13200	65-09-24	0240	9830	2200	B	58400	65-09-24	0240	9830	2200	B	58400	65-09-24	0240	9830	2200	B	58400
64-11-10	1105		721	2570	B	5000	65-09-24	0625	9420	2430	B	61800	65-09-24	0625	9420	2430	B	61800	65-09-24	0625	9420	2430	B	61800
64-11-12	1405		328	780	B	691	65-09-24	1640	8570	2470	B	57200	65-09-24	1640	8570	2470	B	57200	65-09-24	1640	8570	2470	B	57200
64-11-18	1305		1330	4190	B	15000	65-09-25	0945	5880	3350	B	53200	65-09-25	0945	5880	3350	B	53200	65-09-25	0945	5880	3350	B	53200
64-11-19	1125		2710	6070	B	44400	65-09-26	1145	4080	2620	B	28900	65-09-26	1145	4080	2620	B	28900	65-09-26	1145	4080	2620	B	28900
64-11-19	1630		2970	5310	B	42600	65-09-27	1040	1520	1750	B	7180	65-09-27	1040	1520	1750	B	7180	65-09-27	1040	1520	1750	B	7180
64-11-20	0915		2950	4900	B	39000	65-09-28	1115	1830	1610	B	7960	65-09-28	1115	1830	1610	B	7960	65-09-28	1115	1830	1610	B	7960
64-11-20	1720		2950	4610	B	36700	65-09-29	1200	1950	1480	B	7790	65-09-29	1200	1950	1480	B	7790	65-09-29	1200	1950	1480	B	7790
64-11-21	0850		2460	3440	B	22800	65-09-30	1040	1890	1440	B	7350	65-09-30	1040	1890	1440	B	7350	65-09-30	1040	1890	1440		

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
66-01-17	1450	211		92	B	52	67-04-12	2020	1920	6690	B	34700
66-02-02	1520	160		95	B	41	67-04-12	2330	1990	5490	B	29500
66-02-11	1140	767		1030	B	2130	67-04-13	0845	1620	5970	B	26100
66-02-11	1435	708		1090	B	2080	67-04-13	1415	1890	3650	B	18600
66-02-12	1135	430		3380	B	3920	67-04-13	1555	1990	4540	B	24400
66-02-14	1500	336		410	B	372	67-04-13	1705	2080	5680	B	31900
66-02-23	1120	187		136	B	69	67-04-13	1855	2250	7180	B	43600
66-03-07	1415	271		62	B	45	67-04-13	2315	2450	5390	B	35700
66-03-13	1030	807		1980	B	4310	67-04-14	0110	2460	5110	B	33900
66-03-13	1450	858		4830	B	11200	67-04-14	1150	1810	4050	B	19800
66-03-13	1755	888		3090	B	7410	67-04-14	1255	1680	3950	B	17900
66-03-14	0725	1220		4500	B	14800	67-04-14	1400	1580	3780	B	16100
66-03-14	1105	1210		4110	B	13400	67-04-14	1550	1320	3940	B	14000
66-03-14	1605	1140		4710	B	14500	67-04-14	2200	830	3220	B	7220
66-03-14	1745	1120		4490	B	13600	67-04-15	0600	543	2710	B	3970
66-03-15	0025	997		5010	B	13500	67-04-15	1105	503	2410	B	3270
66-03-15	0655	862		4160	B	9680	67-04-15	2300	455	2250	B	2760
66-03-15	1810	789		3070	B	6540	67-04-16	1200	410	1350	B	1490
66-03-16	0005	745		2670	B	5370	67-04-16	2300	400	1040	B	1120
66-03-16	1215	670		1610	B	2910	67-04-17	1610	350	521	B	492
66-03-17	1005	468		1580	B	2000	67-04-18	1105	305	294	B	242
66-03-18	1405	415		658	B	737	67-04-21	1035	309	270	B	225
66-03-21	1040	263		147	B	104	67-04-22	1530	360	362	B	352
66-03-31	1010	200		127	B	69	67-04-24	1145	389	360	B	378
66-04-04	1040	160		44	B	19	67-05-01	1230	56	105	B	16
66-04-23	1655	170		122	B	56	67-05-08	2045	101	150	B	41
66-05-09	1100	159		94	B	40	67-05-16	1115	26	68	B	4.8
66-05-23	1135	49		152	B	20	67-05-22	1000	40	105	B	11
66-06-06	1040	99		163	B	44	67-06-05	0945	45	67	B	8.1
66-06-10	0925	594		5530	B	8870	67-06-12	1335	41	20	B	2.2
66-06-10	1130	521		5290	B	7440	67-06-15	0840	242	565	B	369
66-06-10	1425	451		4100	B	4990	67-06-15	1055	266	210	B	151
66-06-11	0845	130		185	B	65	67-06-16	1250	119	58	B	19
66-06-13	1055	120		105	B	34	67-06-19	1035	72	67	B	13
66-06-27	1055	92		80	B	20	67-06-20	0950	178	155	B	74
66-07-18	0925	35		38	B	3.6	67-06-26	1005	20	88	B	4.8
66-08-01	0925	24		65	B	4.2	67-06-28	1000	558	705	B	1060
66-08-12	1035	461		1250	B	1560	67-06-28	1300	555	915	B	1370
66-08-12	1320	390		1520	B	1600	67-06-28	1430	543	1150	B	1690
66-08-12	1625	295		1630	B	1300	67-06-29	0855	354	775	B	741
66-08-12	1940	223		1190	B	716	67-06-29	1650	270	406	B	296
66-08-13	0725	139		258	B	97	67-06-30	0055	198	222	B	119
66-08-15	1510	61		100	B	16	67-07-03	1050	76	145	B	30
66-08-25	1210	118		116	B	37	67-07-05	0820	438	1540	B	1820
66-08-26	1420	204		243	B	134	67-07-05	1035	458	1670	B	2070
66-08-29	1530	742		1550	B	3110	67-07-05	1355	455	1210	B	1490
66-08-29	1635	758		2240	B	4580	67-07-05	1800	426	775	B	891
66-08-29	2130	638		4760	B	8200	67-07-06	1045	287	520	B	403
66-08-30	0720	327		1330	B	1170	67-07-06	1400	268	384	B	278
66-08-30	1520	237		530	B	339	67-07-07	0835	178	148	B	71
66-08-31	0810	600		1730	B	2800	67-07-11	0950	53	100	B	14
66-08-31	1045	681		1510	B	2780	67-07-24	1015	45	85	B	10
66-08-31	1425	731		1650	B	3260	67-08-19	1425	47	140	B	18
66-08-31	1645	776		2770	B	5800	67-08-23	1420	140	153	B	58
66-08-31	1915	764		2630	B	5430	67-08-25	1110	57	46	B	7.1
66-08-31	2125	746		2250	B	4530	67-09-05	0945	139	195	B	73
66-09-01	0705	536		2340	B	3390	67-09-06	0915	58	122	B	19
66-09-01	1205	424		1960	B	2240	67-09-11	1035	45	130	B	16
66-09-02	0935	162		317	B	139	67-09-17	1400	395	2980	B	3180
66-09-02	1615	162		210	B	92	67-09-17	1610	353	2680	B	2550
66-09-06	1035	92		86	B	21	67-09-18	0905	118	340	B	108
66-09-19	1400	63		134	B	23	67-09-18	1430	92	235	B	58
66-09-29	1030	82		82	B	18	67-09-19	1340	49	138	B	18
66-09-30	0650	356		520	B	500	67-09-22	1655	221	1010	B	603
66-09-30	0935	390		512	B	539	67-09-23	0950	141	325	B	124
66-09-30	1710	357		440	B	424	67-09-23	1525	236	524	B	334
66-10-03	1000	82		110	B	24	67-09-24	0830	234	406	B	257
66-10-17	1000	45		110	B	13	67-09-25	1210	164	231	B	102
66-10-31	1045	47		90	B	11	67-09-27	1000	106	157	B	45
66-11-08	1040	58		98	B	15	67-09-28	0820	278	790	B	593
66-11-21	1145	56		166	B	25	67-09-29	0940	387	2790	B	2920
66-11-28	1045	53		90	B	13	67-09-29	1400	327	2680	B	2370
66-12-05	1205	50		20	B	2.7	67-09-29	2400	267	989	B	713
66-12-20	1315	63		40	B	6.8	67-09-30	1000	246	1200	B	797
67-01-04	1200	72		20	B	3.9	67-09-30	2000	176	550	B	261
67-01-16	1200	68		104	B	19	67-10-01	0100	145	400	B	157
67-01-30	1225	86		27	B	6.3	67-10-01	0720	123	270	B	90
67-02-13	1055	68		55	B	10	67-10-02	0900	70	152	B	29
67-02-27	1125	60		54	B	8.7	67-10-16	0920	37	122	B	12
67-03-13	1110	50		25	B	3.4	67-10-30	1005	30	30	B	2.4
67-03-27	1045	86		122	B	28	67-11-13	1005	41	20	B	2.2
67-04-10	1425	63		188	B	32	67-11-20	1035	40	130	B	14
67-04-12	1230	1260		4150	B	14100	67-12-04	1325	41	151	B	17
67-04-12	1420	1490		6100	B	24500	68-01-02	1100	51	145	B	20
67-04-12	1520	1570		7110	B	30100	68-01-22	1340	82	98	B	22
67-04-12	1610	1620		7870	B	34400	68-02-03	1505	456	500	B	616
67-04-12	1620	1630		7090	B	31200	68-02-04	1015	182	667	B	328
67-04-12	1720	1700		5800	B	26600	68-02-05	1030	103	171	B	48
67-04-12	1820	1770		8600	B	41100	68-02-19	1410	68	10	B	1.8

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07326500 WASHITA RIVER AT ANADARKO, OKLA.--CONTINUED

615

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-02-26	1200		72	35	B 6.8	68-06-03	1010		3430	3410	B 31600
68-03-04	1335		82	237	B 52	68-06-03	1700		3420	3010	B 27800
68-03-18	1045		94	330	B 84	68-06-04	0040		3380	3640	B 33200
68-04-01	1245		70	115	B 22	68-06-04	0440		3350	3420	B 30900
68-04-06	1345	218		214	B 126	68-06-04	1020		3260	3140	B 27600
68-04-07	1030	211		266	B 152	68-06-04	1535		3040	2970	B 24400
68-04-08	1030	125		160	B 54	68-06-05	0040		2270	2430	B 14900
68-04-15	1045	74		175	B 35	68-06-05	0540		1860	2370	B 11900
68-04-18	2225	305		446	B 367	68-06-05	1200		1570	2410	B 10200
68-04-19	1015	100		1710	B 462	68-06-05	2045		1350	2520	B 9190
68-04-19	1320	121		8480	B 2770	68-06-06	1150		1660	2400	B 10800
68-04-19	1415	131		6800	B 2410	68-06-07	1350		1960	1630	B 8630
68-04-19	1825	187		7180	B 3630	68-06-08	0935		968	1250	B 3270
68-04-20	0005	366		2340	B 2310	68-06-08	1940		850	1400	B 3210
68-04-20	1200	385		1860	B 1930	68-06-09	0535		794	149	B 319
68-04-20	1520	388		2040	B 2140	68-06-11	1735		646	59	B 103
68-04-21	1105	353		1980	B 1890	68-06-12	0835		917	1900	B 4700
68-04-21	1925	366		1730	B 1710	68-06-12	1355		932	2600	B 6540
68-04-22	1100	267		1020	B 735	68-06-13	0430		938	3170	B 8030
68-04-23	0125	215		549	B 319	68-06-13	1930		895	1420	B 3430
68-04-23	1040	200		422	B 228	68-06-14	1030		730	108	B 213
68-04-24	0125	194		230	B 120	68-06-15	1630		356	62	B 60
68-04-24	2125	153		170	B 70	68-06-16	1005		1210	4670	B 15300
68-04-29	1020	84		177	B 40	68-06-17	1240		376	2270	B 2300
68-05-09	0810	203		477	B 261	68-06-19	0810		255	454	B 313
68-05-09	1010	327		620	B 547	68-06-20	0205		210	258	B 146
68-05-09	1220	459		800	B 991	68-06-24	1045		259	190	B 133
68-05-09	1920	530		1610	B 2300	68-07-01	1250		94	100	B 25
68-05-09	2315	540		2250	B 3280	68-07-02	0755		1150	2170	B 6740
68-05-10	0315	481		3220	B 4180	68-07-02	1045		1830	6660	B 32900
68-05-10	0515	454		3000	B 3680	68-07-02	1400		2060	7970	B 44300
68-05-10	0810	416		2530	B 2840	68-07-02	2105		1940	5890	B 30900
68-05-10	1810	303		1430	B 1170	68-07-03	0105		1850	5240	B 26200
68-05-11	0950	216		365	B 213	68-07-03	0700		1850	5910	B 29500
68-05-11	1910	198		227	B 121	68-07-03	1145		2000	5460	B 29500
68-05-12	2010	247		253	B 169	68-07-03	1335		2050	4530	B 25100
68-05-13	1105	278		203	B 152	68-07-03	2305		2260	6200	B 37800
68-05-13	1925	477		638	B 822	68-07-04	0745		3000	4770	B 38600
68-05-14	0210	693		1260	B 2360	68-07-04	1700		3120	3780	B 31800
68-05-14	0705	854		2310	B 5330	68-07-05	0825		2060	2270	B 12600
68-05-14	0930	923		2860	B 7130	68-07-05	2305		1660	2060	B 9230
68-05-14	1200	993		3550	B 9520	68-07-06	0850		1100	1580	B 4690
68-05-14	1435	1030		3200	B 8900	68-07-06	2400		506	1110	B 1520
68-05-15	0410	1130		3370	B 10300	68-07-07	1825		368	816	B 811
68-05-15	0710	1460		4680	B 18400	68-07-08	1100		296	516	B 412
68-05-15	0915	1700		4170	B 19100	68-07-09	0650		236	272	B 173
68-05-15	1110	2030		5230	B 28700	68-07-15	1045		195	220	B 116
68-05-15	1210	2040		6720	B 37000	68-07-15	1650		376	473	B 480
68-05-15	1425	2110		5950	B 33900	68-07-15	1940		1420	3870	B 14600
68-05-16	0005	2270		4120	B 25300	68-07-16	0050		2520	8380	B 57000
68-05-16	0505	2000		3170	B 17100	68-07-16	0530		3160	6330	B 54000
68-05-16	1140	1540		2670	B 11100	68-07-16	0805		3500	4870	B 46000
68-05-16	1610	1560		2920	B 12300	68-07-16	1005		3690	5940	B 59200
68-05-16	2110	1360		3110	B 11400	68-07-16	1955		3650	3970	B 39100
68-05-17	0205	1310		3510	B 12400	68-07-17	0940		2430	2760	B 18100
68-05-17	0705	1300		3560	B 12500	68-07-18	0840		1650	2190	B 9760
68-05-17	0945	1300		3050	B 10700	68-07-19	0810		1080	1290	B 3760
68-05-17	1910	890		3530	B 8480	68-07-20	1545		858	1050	B 2430
68-05-18	0505	938		2720	B 6890	68-07-21	0645		797	894	B 1920
68-05-18	1030	892		2310	B 5560	68-07-22	1210		709	520	B 995
68-05-19	0100	605		1570	B 2560	68-07-23	1645		581	484	B 759
68-05-20	1045	809		901	B 1970	68-07-24	2250		526	330	B 469
68-05-21	0205	775		754	B 1580	68-07-25	1345		404	290	B 316
68-05-21	1905	757		544	B 1110	68-07-26	1945		284	148	B 113
68-05-22	1500	393		405	B 430	68-07-29	1415		168	95	B 43
68-05-23	1100	482		375	B 488	68-08-12	1250		68	87	B 16
68-05-23	2105	764		798	B 1650	68-08-17	1000		493	610	B 812
68-05-24	0700	920		1740	B 4320	68-08-17	1330		986	1060	B 2820
68-05-24	1700	789		2850	B 6070	68-08-17	1550		1170	2390	B 7550
68-05-25	0300	470		2080	B 2640	68-08-17	1930		1330	4880	B 17500
68-05-25	1300	327		1430	B 1260	68-08-17	2130		1340	7170	B 25900
68-05-25	2300	324		989	B 865	68-08-17	2330		1320	6940	B 24700
68-05-26	0900	308		843	B 701	68-08-18	0330		1200	5080	B 16500
68-05-26	1900	272		551	B 405	68-08-18	0725		1060	4460	B 12800
68-05-27	1225	221		307	B 183	68-08-18	1330		840	4250	B 9640
68-05-29	1150	218		178	B 105	68-08-18	1930		629	3870	B 6570
68-05-31	1450	210		134	B 76	68-08-19	0130		455	2920	B 3590
68-06-01	0350	267		376	B 271	68-08-19	0725		424	1720	B 1970
68-06-01	1135	403		620	B 675	68-08-19	0920		498	1910	B 2570
68-06-01	1650	534		814	B 1170	68-08-19	1250		695	3120	B 5850
68-06-01	2155	787		1310	B 2780	68-08-19	2225		1420	5110	B 19600
68-06-02	0250	1280		3590	B 12400	68-08-20	0325		1620	6110	B 26700
68-06-02	0855	2320		5900	B 37000	68-08-20	1000		1540	7180	B 29900
68-06-02	1050	2590		6490	B 45400	68-08-20	1330		1450	7310	B 28600
68-06-02	1250	2800		6640	B 50200	68-08-20	1830		1260	6230	B 21200
68-06-02	1520	2990		5610	B 45300	68-08-20	2330		1080	5280	B 15400
68-06-02	1850	3240		4920	B 43000	68-08-21	0845		875	3870	B 9140
68-06-03	0050	3400		4440	B 40800	68-08-21	1830		671	3820	B 6920
68-06-03	0850	3430		3420	B 31700	68-08-21	2330		566	3340	B 5100

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SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	
68-08-22	0845		455	2120	B	69-05-05	1205		1510	9130	B	37200
68-08-22	1830		358	879	B	69-05-05	1315		2000	8580	B	46300
68-08-23	0430		255	481	B	69-05-05	1515		2640	12800	B	91200
68-08-23	1010		255	390	B	69-05-05	1715		3090	16300	B	136000
68-08-26	1210		153	200	B	69-05-05	1915		3330	12800	B	115000
68-09-03	1245		123	95	B	69-05-05	2115		3530	10700	B	102000
68-09-04	0315		234	330	B	69-05-05	2235		3640	8330	B	81900
68-09-04	1815		856	3110	B	69-05-06	1210		4250	5590	B	64100
68-09-05	1210		272	1570	B	69-05-06	1450		4430	5310	B	63500
68-09-09	1225		115	130	B	69-05-07	0040		4880	4390	B	57800
68-09-16	1220		88	46	B	69-05-07	0800		5010	4040	B	54600
68-10-07	1300		64	40	B	69-05-07	1535		5130	4090	B	56700
68-10-10	0805		484	1260	B	69-05-07	2115		5220	3610	B	50900
68-10-10	1450		722	5970	B	69-05-08	1240		5420	3280	B	48000
68-10-10	1950		910	6400	B	69-05-08	2120		5420	3320	B	48600
68-10-11	0150		1020	7540	B	69-05-09	1000		5530	3440	B	51400
68-10-11	0550		1160	6860	B	69-05-09	1455		5530	3510	B	52400
68-10-11	1150		1330	6430	B	69-05-10	0135		5580	3340	B	50300
68-10-11	1310		1360	6980	B	69-05-10	1210		5520	3100	B	46200
68-10-11	1750		1390	7540	B	69-05-11	0235		3420	2440	B	22500
68-10-11	2250		1310	6800	B	69-05-11	1345		2420	3930	B	25700
68-10-12	0350		1150	5530	B	69-05-12	1240		2110	3180	B	18100
68-10-12	1350		797	3530	B	69-05-13	0035		2760	4310	B	32100
68-10-12	2350		510	2780	B	69-05-13	1035		3600	5800	B	56400
68-10-13	1245		297	2190	B	69-05-13	1240		3730	7310	B	73600
68-10-13	2250		260	960	B	69-05-13	1730		3880	5850	B	61300
68-10-14	1220		242	380	B	69-05-14	0330		4100	5300	B	58700
68-10-21	1240		198	136	B	69-05-14	1315		4290	4740	B	54900
68-11-04	1325		185	231	B	69-05-15	0430		3820	3330	B	34300
68-11-15	1550		140	195	B	69-05-15	1315		3610	4700	B	45800
68-11-18	1305		377	2340	B	69-05-15	2330		3530	4500	B	42900
68-11-19	1435		277	987	B	69-05-16	0920		3470	4500	B	42200
68-11-25	1320		168	143	B	69-05-16	1930		3000	3610	B	29200
68-11-27	1145		190	113	B	69-05-17	1305		2970	4170	B	33400
68-11-27	2305		334	347	B	69-05-18	1330		2720	3400	B	25000
68-11-28	0700		287	423	B	69-05-19	1225		2350	3010	B	19100
68-11-28	1100		340	1090	B	69-05-20	0955		2340	2560	B	16200
68-11-28	1700		377	1160	B	69-05-21	1540		2240	2150	B	13000
68-11-29	0300		469	518	B	69-05-22	1130		1600	1940	B	8380
68-11-29	1100		564	890	B	69-05-23	1255		1060	1120	B	3210
68-11-29	2105		589	1280	B	69-05-24	1515		861	809	B	1880
68-11-30	1605		646	1370	B	69-05-25	1525		745	196	B	394
68-12-01	1200		482	920	B	69-05-26	1125		677	165	B	302
68-12-02	1310		397	440	B	69-05-26	1545		687	887	B	1650
68-12-04	0455		342	216	B	69-05-27	0130		729	1380	B	2720
68-12-05	1100		246	123	B	69-05-27	1130		989	1520	B	4060
68-12-16	1115		108	94	B	69-05-27	2120		884	1840	B	4390
69-01-06	1255		104	31	B	69-05-28	0720		760	1640	B	3370
69-01-15	2350		260	357	B	69-05-28	1725		704	1710	B	3250
69-01-16	0450		457	302	B	69-05-29	1320		538	1470	B	2140
69-01-16	0955		833	1020	B	69-05-30	1920		463	932	B	1170
69-01-16	1450		1030	2260	B	69-05-31	1525		420	670	B	760
69-01-16	1625		1060	2390	B	69-06-01	2120		379	456	B	467
69-01-16	2055		1140	2100	B	69-06-02	1440		355	441	B	423
69-01-17	1030		1170	1440	B	69-06-06	0815		282	259	B	197
69-01-17	2000		1170	1410	B	69-06-09	1255		252	255	B	174
69-01-18	1345		1200	1090	B	69-06-14	1115		415	338	B	379
69-01-19	1350		704	511	B	69-06-14	2215		778	2380	B	5000
69-01-20	1310		401	192	B	69-06-15	0910		1140	5620	B	17300
69-01-27	1320		112	31	B	69-06-15	1410		1510	6060	B	24700
69-02-24	1425		167	50	B	69-06-15	2010		1730	6700	B	31300
69-03-17	1355		142	93	B	69-06-16	0410		1860	4640	B	23300
69-03-24	1330		213	91	B	69-06-16	1420		1850	3600	B	18000
69-03-25	1205		296	104	B	69-06-17	0215		1330	2760	B	9910
69-03-26	0305		599	450	B	69-06-17	1325		963	1770	B	4600
69-03-27	0850		352	609	B	69-06-18	1345		670	1120	B	2030
69-03-28	0005		286	122	B	69-06-19	1615		544	621	B	912
69-03-29	0600		224	91	B	69-06-20	1300		442	340	B	406
69-04-07	1415		181	65	B	69-06-23	1225		244	141	B	93
69-04-19	1100		164	117	B	69-07-07	1210		110	134	B	40
69-04-19	2100		313	184	B	69-07-22	1200		62	26	B	4.4
69-04-21	1125		164	202	B	69-08-04	1155		107	66	B	19
69-04-26	2030		227	141	B	69-08-18	1215		89	83	B	20
69-04-27	0625		256	435	B	69-08-29	1035		362	3330	B	3250
69-04-28	0625		269	347	B	69-08-29	1410		593	3980	B	6370
69-04-28	1340		269	326	B	69-08-29	1810		1620	4790	B	21000
69-04-29	0925		217	268	B	69-08-30	0005		1580	4140	B	17700
69-05-03	2100		355	311	B	69-08-30	0850		1410	2910	B	11100
69-05-04	0100		323	449	B	69-08-30	1810		1180	2290	B	7300
69-05-04	0300		265	947	B	69-08-31	0800		886	1690	B	4040
69-05-04	0700		207	581	B	69-09-01	0900		669	1280	B	2310
69-05-04	0925		193	365	B	69-09-02	1200		469	910	B	1150
69-05-04	2315		206	269	B	69-09-03	2110		442	744	B	888
69-05-05	0115		291	507	B	69-09-04	1215		513	1040	B	1440
69-05-05	0315		553	935	B	69-09-04	1705		425	1200	B	1380
69-05-05	0515		706	2730	B	69-09-04	2210		359	721	B	699
69-05-05	0715		855	3220	B	69-09-05	0805		312	463	B	390
69-05-05	0915		1240	6360	B	69-09-08	1200		184	80	B	40
69-05-05	1115		1370	11000	B	69-09-15	1200		148	22	B	8.8

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SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	
69-09-19	1300		399	295	B	318	70-08-24	2225	541	1120	B	1640
69-09-19	1700		437	788	B	930	70-08-25	1515	532	3090	B	4440
69-09-19	2100		458	1320	B	1630	70-08-26	0020	502	1880	B	2550
69-09-20	0055		455	1650	B	2030	70-08-26	1020	345	1420	B	1320
69-09-20	0500		433	1320	B	1540	70-08-31	1200	51	160	B	22
69-09-20	0855		406	1180	B	1290	70-09-08	1315	27	155	B	11
69-09-20	1300		365	816	B	804	70-09-21	1240	29	73	B	5.7
69-09-20	1655		329	588	B	522	70-10-19	1305	36	53	B	5.2
69-09-20	2055		295	414	B	330	70-11-02	1345	32	61	B	5.3
69-09-22	1230		220	143	B	85	70-11-16	1100	39	57	B	6.0
69-09-29	1225		142	50	B	19	70-12-07	1400	43	70	B	8.1
69-10-13	1230		142	44	B	17	70-12-22	1340	46	70	B	8.7
69-10-28	1300		107	90	B	26	71-01-06	1535	44	30	B	3.6
69-11-10	1315		99	41	B	11	71-01-18	1335	57	30	B	4.6
69-11-24	1300		99	16	B	4.3	71-02-01	1350	55	68	B	10
69-12-08	1230		107	10	B	2.9	71-02-16	1355	55	70	B	10
69-12-31	1530		102	10	B	2.8	71-03-01	1405	72	44	B	8.6
70-01-20	1315		99	53	B	14	71-03-15	1400	53	95	B	14
70-02-05	1515		96	40	B	10	71-03-29	1415	41	108	B	12
70-02-18	1320		96	52	B	13	71-04-19	1440	11	100	B	3.0
70-03-02	1315		96	66	B	17	71-05-03	1305	11	175	B	5.2
70-03-16	1245		107	103	B	30	71-05-17	1310	9.8	147	B	3.9
70-03-30	1235		107	53	B	15	71-05-28	1245	6.7	210	B	3.8
70-04-13	1125		104	103	B	29	71-06-01	0020	793	2940	B	6290
70-04-21	1345		249	174	B	117	71-06-01	0135	770	5310	B	11000
70-04-22	1345		386	280	B	292	71-06-01	0300	641	5880	B	10200
70-04-27	1025		162	231	B	101	71-06-01	0635	311	2290	B	1920
70-05-01	0145		332	395	B	354	71-06-01	0955	153	624	B	258
70-05-01	0930		395	385	B	411	71-06-01	2335	430	483	B	561
70-05-01	1345		347	267	B	250	71-06-02	1350	185	448	B	224
70-05-01	1545		352	686	B	652	71-06-07	1250	39	160	B	17
70-05-01	2045		657	2180	B	3870	71-06-11	1250	197	138	B	73
70-05-01	2145		748	3190	B	6440	71-06-11	1915	393	411	B	436
70-05-01	2245		840	4180	B	9480	71-06-12	0115	444	641	B	768
70-05-01	2345		934	4270	B	10800	71-06-12	0715	416	1390	B	1560
70-05-02	0045		1000	3640	B	9830	71-06-12	1115	373	2360	B	2380
70-05-02	0245		1120	2760	B	8350	71-06-12	1315	347	2160	B	2020
70-05-02	0445		1140	500	B	1540	71-06-12	1715	299	1400	B	1130
70-05-02	0745		1140	343	B	1060	71-06-13	0815	308	933	B	776
70-05-04	1245		160	284	B	123	71-06-13	1215	364	1430	B	1410
70-05-18	1340		169	85	B	39	71-06-13	1615	407	1910	B	2100
70-05-25	1030		72	35	B	6.8	71-06-13	2015	420	1570	B	1780
70-05-29	2215		269	3860	B	2800	71-06-14	0215	411	1300	B	1440
70-05-29	2315		357	4270	B	4120	71-06-14	0815	390	1840	B	1940
70-05-30	0115		530	5320	B	7610	71-06-14	1210	382	2110	B	2180
70-05-30	0315		618	4990	B	8330	71-06-14	2320	391	1670	B	1760
70-05-30	0615		673	5110	B	9290	71-06-15	0915	307	1200	B	995
70-05-30	0815		701	4400	B	8330	71-06-21	1215	27	140	B	10
70-05-30	1215		881	5030	B	12000	71-06-28	1255	12	120	B	3.9
70-05-30	1715		1110	4910	B	14700	71-07-02	1855	381	420	B	432
70-05-30	2115		1170	5190	B	16400	71-07-02	2055	667	639	B	1150
70-05-30	2315		1170	4730	B	14900	71-07-02	2155	800	1480	B	3200
70-06-01	1330		698	2600	B	4900	71-07-02	2350	1050	4130	B	11700
70-06-01	1815		552	2260	B	3370	71-07-03	0155	1280	5740	B	19800
70-06-01	2315		451	1570	B	1910	71-07-03	0255	1360	6190	B	22700
70-06-02	0415		386	1010	B	1050	71-07-03	0750	1500	6260	B	25400
70-06-02	1340		355	625	B	599	71-07-03	1300	1320	5200	B	18500
70-06-02	1815		446	984	B	1180	71-07-03	1635	1080	4170	B	12200
70-06-02	2315		548	1990	B	2940	71-07-03	2100	802	3370	B	7300
70-06-03	0410		591	1660	B	2650	71-07-04	0500	474	2460	B	3150
70-06-03	0910		610	2160	B	3560	71-07-04	1255	432	1900	B	2220
70-06-03	1235		614	3020	B	5010	71-07-04	1855	790	2780	B	5930
70-06-03	2210		512	2850	B	3940	71-07-04	2250	933	3190	B	8040
70-06-04	0810		332	1350	B	1210	71-07-05	0255	978	3950	B	10400
70-06-05	1230		172	240	B	111	71-07-05	0655	896	4520	B	10900
70-06-08	1010		91	134	B	33	71-07-05	1450	596	4450	B	7160
70-06-11	1805		373	689	B	694	71-07-05	1850	491	4020	B	5330
70-06-11	2005		403	461	B	502	71-07-05	2255	380	2960	B	3040
70-06-12	1235		147	90	B	36	71-07-06	0255	302	1530	B	1250
70-06-15	1315		110	252	B	75	71-07-06	1240	184	494	B	245
70-06-29	1230		32	67	B	5.8	71-07-12	1230	26	60	B	4.2
70-07-09	0825		9.2	78	B	1.9	71-07-26	1255	86	129	B	30
70-07-27	1445		46	120	B	15	71-08-09	1320	22	151	B	9.0
70-08-03	1305		57	150	B	23	71-08-16	1325	91	174	B	43
70-08-19	0930		36	392	B	38	71-09-01	1245	94	112	B	28
70-08-22	0805		574	3860	B	5980	71-09-07	1155	282	264	B	201
70-08-22	0930		586	3320	B	5250	71-09-07	1415	382	440	B	454
70-08-22	1030		611	3400	B	5610	71-09-07	1930	490	1200	B	1590
70-08-22	1130		655	4300	B	7600	71-09-07	2330	484	3430	B	4480
70-08-22	1225		678	4980	B	9120	71-09-08	0130	461	4490	B	5590
70-08-22	1440		678	4660	B	8530	71-09-08	0330	431	5570	B	6480
70-08-22	1725		673	3710	B	6740	71-09-08	0530	395	5570	B	5940
70-08-22	2030		624	1680	B	2830	71-09-08	0850	336	4470	B	4060
70-08-22	2330		539	1440	B	2100	71-09-08	1240	280	3110	B	2350
70-08-23	0125		485	1740	B	2280	71-09-09	1030	152	670	B	275
70-08-23	0740		334	1070	B	965	71-09-10	0900	115	313	B	97
70-08-23	1355		276	704	B	525	71-09-19	1415	289	453	B	353
70-08-24	0830		338	620	B	566	71-09-19	1905	561	1190	B	1800
70-08-24	1300		454	1370	B	1680	71-09-19	2005	641	2960	B	5120

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
71-09-19	2105	715		4340	B	8380	72-03-20	1440	49	117	B	15							72-03-20	1440	49	117	B	15
71-09-20	0005	830		2800	B	6270	72-04-03	1410	39	122	B	13							72-04-03	1410	39	122	B	13
71-09-20	0105	871		2540	B	5970	72-04-17	1355	28	100	B	7.6							72-04-17	1355	28	100	B	7.6
71-09-20	0205	908		3140	B	7700	72-04-27	1110	49	122	R	16							72-04-27	1110	49	122	R	16
71-09-20	0310	947		4550	B	11600	72-04-28	2245	295	506	R	403							72-04-28	2245	295	506	R	403
71-09-20	0410	982		5550	B	14700	72-04-29	1225	794	2490	B	5340							72-04-29	1225	794	2490	B	5340
71-09-20	0510	1000		5580	B	15100	72-04-29	1605	891	4080	R	9820							72-04-29	1605	891	4080	R	9820
71-09-20	1025	1070		4240	B	12200	72-04-29	1805	906	4700	B	11500							72-04-29	1805	906	4700	B	11500
71-09-20	1815	1120		3820	B	11600	72-04-29	2005	905	4490	B	11000							72-04-29	2005	905	4490	B	11000
71-09-21	0015	1130		3280	B	10000	72-04-30	0005	904	4070	B	9930							72-04-30	0005	904	4070	B	9930
71-09-21	0215	1110		3820	B	11400	72-04-30	0405	836	3350	R	7560							72-04-30	0405	836	3350	R	7560
71-09-21	0415	1070		4970	B	14400	72-04-30	1025	586	2850	B	4510							72-04-30	1025	586	2850	B	4510
71-09-21	1455	752		2870	B	5830	72-04-30	1445	485	2470	R	3230							72-04-30	1445	485	2470	R	3230
71-09-22	0915	316		1680	B	1430	72-05-01	0920	533	1440	B	2070							72-05-01	0920	533	1440	B	2070
71-09-25	1115	280		409	B	309	72-05-01	1120	531	3840	B	5510							72-05-01	1120	531	3840	B	5510
71-09-25	1510	556		1340	B	2010	72-05-01	1345	551	3820	B	5680							72-05-01	1345	551	3820	B	5680
71-09-25	1815	728		2070	B	4070	72-05-01	2100	683	1860	B	3430							72-05-01	2100	683	1860	B	3430
71-09-25	2010	812		688	B	1510	72-05-02	0200	836	2600	B	5870							72-05-02	0200	836	2600	B	5870
71-09-25	2315	989		530	B	1420	72-05-02	0500	939	3700	B	9380							72-05-02	0500	939	3700	B	9380
71-09-26	0010	1050		885	B	2510	72-05-02	1015	1040	2960	B	8310							72-05-02	1015	1040	2960	B	8310
71-09-27	1055	1410		2810	B	10700	72-05-03	0830	524	1730	B	2450							72-05-03	0830	524	1730	B	2450
71-09-27	1915	1120		2430	B	7350	72-05-03	2200	309	635	B	530							72-05-03	2200	309	635	B	530
71-09-28	0215	838		2160	B	4890	72-05-04	0845	255	1810	B	1250							72-05-04	0845	255	1810	B	1250
71-09-28	0925	646		1620	B	2830	72-05-04	1800	215	1600	B	929							72-05-04	1800	215	1600	B	929
71-09-28	1915	476		1340	B	1720	72-05-05	0830	163	280	B	123							72-05-05	0830	163	280	B	123
71-09-30	0900	241		725	B	472	72-05-08	1310	76	139	B	29							72-05-08	1310	76	139	B	29
71-10-01	0900	165		310	B	138	72-05-14	0345	334	425	B	383							72-05-14	0345	334	425	B	383
71-10-04	0315	306		264	B	218	72-05-14	0745	596	1050	B	1690							72-05-14	0745	596	1050	B	1690
71-10-04	0605	750		775	B	1570	72-05-14	1040	766	1890	B	3910							72-05-14	1040	766	1890	B	3910
71-10-04	0905	1040		1740	B	4890	72-05-14	1445	943	1570	B	4000							72-05-14	1445	943	1570	B	4000
71-10-04	1110	1170		2360	B	7460	72-05-14	1940	1060	1690	B	4840							72-05-14	1940	1060	1690	B	4840
71-10-04	1210	1210		3770	B	12300	72-05-15	0040	1120	1890	B	5720							72-05-15	0040	1120	1890	B	5720
71-10-04	1310	1260		6220	B	21200	72-05-15	0940	1090	3090	B	9090							72-05-15	0940	1090	3090	B	9090
71-10-04	1400	1290		7870	B	27400	72-05-15	1455	1000	3460	B	9340							72-05-15	1455	1000	3460	B	9340
71-10-04	1610	1310		8220	B	29100	72-05-15	2255	785	2980	R	6320							72-05-15	2255	785	2980	R	6320
71-10-04	1810	1300		8650	B	30400	72-05-16	0455	641	2580	B	4470							72-05-16	0455	641	2580	B	4470
71-10-04	2215	1180		8140	B	25900	72-05-17	0055	339	1960	B	1790							72-05-17	0055	339	1960	B	1790
71-10-05	0410	939		6060	B	15400	72-05-17	1320	262	1000	B	707							72-05-17	1320	262	1000	B	707
71-10-05	1205	498		4710	B	6330	72-05-22	1320	112	175	R	53							72-05-22	1320	112	175	R	53
71-10-05	2210	314		3160	B	2680	72-05-30	1340	306	335	B	277							72-05-30	1340	306	335	B	277
71-10-06	1250	236		1530	B	975	72-06-05	1255	76	180	B	37							72-06-05	1255	76	180	B	37
71-10-08	1035	127		267	B	92	72-06-15	1430	386	376	B	392							72-06-15	1430	386	376	B	392
71-10-12	1300	74		117	B	23	72-06-15	1830	540	779	B	1140							72-06-15	1830	540	779	B	1140
71-10-19	1300	52		93	B	13	72-06-15	1930	580	1840	B	2880							72-06-15	1930	580	1840	B	2880
71-10-30	2355	387		348	B	364	72-06-15	2030	622	3830	B	6430							72-06-15	2030	622	3830	B	6430
71-10-31	0140	600		706	B	1140	72-06-15	2130	664	5130	B	9200							72-06-15	2130	664	5130	B	9200
71-10-31	0355	920		2470	B	6140	72-06-15	2230	711	3860	B	7410							72-06-15	2230	711	3860	B	7410
71-10-31	0455	1040		3640	B	10200	72-06-15	2330	759	2540	B	5210							72-06-15	2330	759	2540	B	5210
71-10-31	0555	1180		3730	B	11900	72-06-16	0025	805	1990	B	4330							72-06-16	0025	805	1990	B	4330
71-10-31	0655	1320		3170	B	11300	72-06-16	0230	895	3140	B	7590							72-06-16	0230	895	3140	B	7590
71-10-31	0750	1440		3890	B	15100	72-06-16	0325	936	3740	B	9450							72-06-16	0325	936	3740	B	9450
71-10-31	0850	1530		5570	B	23000	72-06-16	0525	996	4610	B	12400							72-06-16	0525	996	4610	B	12400
71-10-31	1050	1690		7490	B	34200	72-06-16	0625	1020	4490	B	12400							72-06-16	0625	1020	4490	B	12400
71-10-31	1250	1840		7200	B	35800	72-06-16	0825	1070	3500	B	10100							72-06-16	0825	1070	3500	B	10100
71-10-31	1350	1900		7960	B	40800	72-06-16	1010	1090	3730	B	11000							72-06-16	1010	1090	3730	B	11000
71-10-31	1550	1990		8480	B	45600	72-06-16	1330	1120	3740	B	11300							72-06-16	1330	1120	3740	B	11300
71-10-31	1750	2030		7650	B	41900	72-06-16	2330	875	3620	B	8550							72-06-16	2330	875	3620	B	8550
71-10-31	1950	2060		6840	B	38000	72-06-17	0425	665	3350	R	6010							72-06-17	0425	665	3350	R	6010
71-10-31	2355	2070		5270	B	29500	72-06-18	0525	388	2180	R	2280							72-06-18	0525	388	2180	R	2280
71-11-01	0350	1980		4370	B	23400	72-06-18	1525	323	1340	B	1170							72-06-18	1525	323	1340	B	1170
71-11-01	0950	1740		3490	B	16400	72-06-19	1220	218	520	B	306							72-06-19	1220	218	520	B	306
71-11-01	1515	1460		3630	B	14300	72-06-26	1010	74	91	B	18							72-06-26	1010	74	91	B	18
71-11-02	1300	628		2620	B	4440	72-07-10	1250	21	97	B	5.5							72-07-10	1250	21	97	B	5.5
71-11-04	0945	280		1580	B	1190	72-07-14	09109																

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07326500 WASHITA RIVER AT ANADARKO, OKLA.--CONTINUED

619

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
72-11-02	1805	818		3910	B	73-04-01	0925	4380		3260	B	38600
72-11-02	2200	827		3420	B	73-04-02	0015	4550		2860	B	35100
72-11-03	0200	833		2920	B	73-04-02	1330	4650		2620	B	32900
72-11-03	0600	838		2620	B	73-04-03	0115	4680		2680	B	33900
72-11-03	1000	827		2770	B	73-04-03	1435	3870		2130	B	22300
72-11-03	1400	785		2770	B	73-04-04	0015	2750		2540	B	18900
72-11-03	2100	629		2350	B	73-04-04	1405	2360		2510	B	16000
72-11-04	0700	365		1690	B	73-04-05	0415	2130		2440	B	14000
72-11-06	1320	112		60	B	73-04-05	1310	1880		2240	B	11400
72-11-13	1355	46		45	B	73-04-06	1005	1500		1990	B	8060
72-11-27	1340	65		60	B	73-04-07	1015	1170		1680	B	5310
72-12-18	1320	51		28	B	73-04-08	1115	955		1340	B	3460
73-01-02	1340	53		30	B	73-04-09	1130	826		1100	B	2450
73-01-17	1405	73		50	B	73-04-10	1315	757		874	B	1790
73-01-22	0825	583		455	B	73-04-11	1915	678		595	B	1090
73-01-22	1125	817		2330	B	73-04-12	1510	621		524	B	879
73-01-22	1345	949		3810	B	73-04-13	1110	573		517	B	800
73-01-22	1600	1070		5190	B	73-04-14	0710	540		424	B	618
73-01-22	1835	1210		5380	B	73-04-15	0305	762		875	B	1800
73-01-22	2035	1350		6410	B	73-04-15	1305	868		1020	B	2390
73-01-22	2235	1510		5080	B	73-04-16	0905	1360		4000	B	14700
73-01-22	2335	1570		4220	B	73-04-16	1115	1520		4030	B	16500
73-01-23	0135	1660		5660	B	73-04-16	1315	1660		3930	B	17600
73-01-23	0435	1790		6200	B	73-04-16	1530	1830		6670	B	33000
73-01-23	0635	1820		6290	B	73-04-16	2015	2190		4430	B	26200
73-01-23	0835	1870		5800	B	73-04-17	0115	2570		5050	B	35000
73-01-23	1240	1960		4800	B	73-04-17	1110	3270		4710	B	41600
73-01-23	1740	2100		4490	B	73-04-17	1610	3490		3640	B	34300
73-01-23	2140	2210		4700	B	73-04-18	0210	3800		3200	B	32800
73-01-24	0035	2240		4690	B	73-04-18	1040	3620		2340	B	22900
73-01-24	0435	2200		4330	B	73-04-18	2010	2670		2160	B	15600
73-01-24	0930	2060		3570	B	73-04-19	1125	1650		2660	B	11900
73-01-24	1435	1820		2940	B	73-04-20	0215	1330		2350	B	8440
73-01-24	1835	1620		2630	B	73-04-20	1915	1140		1690	B	5200
73-01-25	0235	1110		2710	B	73-04-21	1510	1010		1220	B	3330
73-01-25	1110	795		2430	B	73-04-22	1110	833		962	B	2160
73-01-25	2040	667		2160	B	73-04-23	1315	704		665	B	1260
73-01-26	1205	564		1740	B	73-04-24	0910	615		610	B	1010
73-01-27	1335	529		1220	B	73-04-25	1500	574		557	B	863
73-01-28	1435	600		1270	B	73-04-26	0105	804		513	B	1110
73-01-29	1345	351		1180	B	73-04-26	1100	1130		741	B	2260
73-02-05	1350	124		170	B	73-04-26	1645	1170		1650	B	5210
73-02-20	1435	94		50	B	73-04-26	2105	1120		2410	B	7290
73-03-05	1335	87		120	B	73-04-27	0715	895		1470	B	3550
73-03-08	1110	544		412	B	73-04-27	1700	715		900	B	1740
73-03-10	1205	1020		4620	B	73-04-28	1200	579		523	B	818
73-03-10	1525	105		6350	B	73-04-29	0755	504		381	B	518
73-03-10	1625	1050		8330	B	73-04-30	1225	450		300	B	364
73-03-10	1825	1150		6310	B	73-05-02	1235	384		197	B	204
73-03-10	2120	1360		7590	B	73-05-07	1305	301		133	B	108
73-03-10	2320	1590		7490	B	73-05-23	0255	424		262	B	300
73-03-11	0120	1790		6730	B	73-05-23	1005	360		457	B	444
73-03-11	0620	1970		6040	B	73-05-23	1555	327		230	B	203
73-03-11	1020	1940		5140	B	73-05-23	2055	395		1110	B	1180
73-03-11	1220	1960		6710	B	73-05-24	1150	372		1110	B	1110
73-03-11	1320	1990		10800	B	73-05-25	0350	524		1320	B	1870
73-03-12	1350	3090		5930	B	73-05-25	0650	605		1060	B	1730
73-03-12	2120	3170		4280	B	73-05-25	1150	645		948	B	1650
73-03-13	0935	2390		2760	B	73-05-25	2250	547		954	B	1410
73-03-13	1510	1810		2470	B	73-05-26	0250	582		1550	B	2440
73-03-14	0120	1070		3530	B	73-05-26	0550	660		2020	B	3600
73-03-14	1620	764		2620	B	73-05-26	1150	671		1890	B	3420
73-03-15	0220	662		2190	B	73-05-26	1650	661		1830	B	3270
73-03-15	1255	597		1500	B	73-05-29	1315	247		440	B	293
73-03-17	1420	384		943	B	73-05-31	1445	276		345	B	257
73-03-19	0935	284		527	B	73-05-31	1845	275		469	B	348
73-03-25	1235	460		1030	B	73-06-01	0045	527		800	B	1140
73-03-25	1610	451		1140	B	73-06-01	0445	701		1470	B	2780
73-03-25	2210	361		1770	B	73-06-01	0845	742		1930	B	3870
73-03-26	0210	307		2100	B	73-06-01	1045	739		3210	B	6400
73-03-26	0610	257		1670	B	73-06-01	1210	736		3950	B	7850
73-03-26	1315	218		818	B	73-06-01	1545	737		3590	B	7140
73-03-27	1400	194		324	B	73-06-01	2045	808		2490	B	5430
73-03-28	1145	191		236	B	73-06-02	0050	976		2520	B	6640
73-03-29	0320	424		454	B	73-06-02	0545	1350		3830	B	14000
73-03-29	0720	419		508	B	73-06-02	0945	1270		3740	B	12800
73-03-29	1115	360		474	B	73-06-02	1945	1140		3850	B	11900
73-03-29	1515	322		496	B	73-06-03	0545	1150		3750	B	11600
73-03-29	2120	305		1550	B	73-06-03	1045	1440		3210	B	12500
73-03-29	2315	326		2640	B	73-06-03	1545	2040		4090	B	22500
73-03-30	0115	367		3430	B	73-06-03	2045	2500		5310	B	35800
73-03-30	0515	466		2070	B	73-06-04	0145	2840		5480	B	42000
73-03-30	1005	545		1110	B	73-06-04	0640	3060		4730	B	39100
73-03-30	1320	556		1090	B	73-06-04	0945	3110		4200	B	35300
73-03-30	1720	605		1400	B	73-06-04	1350	3110		3570	B	30000
73-03-30	2220	1420		4880	B	73-06-04	1950	2900		3020	B	23600
73-03-31	0315	2840		7610	B	73-06-05	0345	2440		2680	B	17700
73-03-31	1335	3750		5090	B	73-06-05	1240	1800		2310	B	11200
73-03-31	2320	4150		3920	B	73-06-05	1750	1490		2590	B	10400

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

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07326500 WASHITA RIVER AT ANADARKO, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-06-05	2255	1290	2780	B	9680	73-10-04	1905	337	427	B	389
73-06-06	0350	1160	2670	B	8360	73-10-05	0505	379	384	B	393
73-06-06	1900	902	1990	B	4850	73-10-05	1505	542	578	R	846
73-06-07	0950	753	1360	B	2770	73-10-06	0105	871	1350	B	3170
73-06-08	0930	579	800	B	1250	73-10-06	1105	1220	2740	B	9030
73-06-11	0345	355	417	B	400	73-10-06	2105	1270	2650	B	9090
73-06-18	1255	447	433	B	523	73-10-07	1705	804	2350	B	5100
73-06-25	1245	184	153	B	76	73-10-08	0305	580	1580	B	2470
73-07-09	1235	113	131	B	40	73-10-08	1300	474	1190	B	1520
73-07-21	1645	316	198	B	169	73-10-09	1220	337	676	B	615
73-07-21	2025	655	680	B	1200	73-10-11	0505	315	305	B	259
73-07-21	2325	769	1340	B	2780	73-10-12	0750	593	765	B	1220
73-07-22	0025	773	1710	B	3570	73-10-12	2255	1260	1880	R	6400
73-07-22	0225	740	2580	B	5150	73-10-13	0920	1650	3850	B	17200
73-07-22	0420	694	3070	B	5750	73-10-13	1610	1520	4740	B	19500
73-07-22	0520	671	3980	B	7210	73-10-13	2110	1300	4070	B	14300
73-07-22	0620	645	4370	B	7610	73-10-14	0710	991	3050	B	8160
73-07-22	0820	596	4080	B	6570	73-10-14	2210	765	1790	B	3700
73-07-22	1020	559	3600	B	5430	73-10-15	1305	663	1070	B	1920
73-07-23	1225	395	1970	B	2100	73-10-16	0900	532	915	B	1310
73-07-23	1530	364	1360	B	1340	73-10-17	0500	409	723	B	798
73-07-23	2130	307	690	B	572	73-10-23	1230	209	55	B	31
73-07-25	1250	350	475	B	449	73-11-06	1320	151	142	B	58
73-07-30	1240	124	53	B	18	73-11-19	1400	151	144	B	59
73-08-02	0325	333	202	B	182	73-12-03	1335	145	156	B	61
73-08-02	1125	573	326	B	504	73-12-17	1325	136	72	B	26
73-08-02	1625	544	400	B	588	74-01-14	1215	146	53	R	21
73-08-02	1825	502	649	B	880	74-01-28	1235	120	44	B	14
73-08-02	2025	459	2250	B	2790	74-02-11	1210	112	15	B	4.5
73-08-02	2225	414	2640	B	2950	74-02-21	0900	270	981	B	715
73-08-03	0025	376	2400	B	2440	74-02-25	1150	120	130	B	42
73-08-03	0420	316	1640	B	1400	74-03-08	1155	123	10	B	3.3
73-08-13	1220	71	43	B	8.2	74-03-10	1155	270	463	B	338
73-08-27	1230	42	66	B	7.5	74-03-11	1205	502	562	B	762
73-09-06	1015	2150	9900	B	57500	74-03-12	0355	233	439	B	276
73-09-06	1325	2290	7450	B	46100	74-03-12	0955	697	1150	B	2160
73-09-06	1715	2440	6490	B	42800	74-03-12	1555	1180	3090	B	9840
73-09-06	2115	2440	5340	B	35200	74-03-12	2055	1280	6080	B	21000
73-09-07	0115	2380	4570	B	29400	74-03-13	0100	1250	6070	B	20500
73-09-07	0515	2180	4650	B	27400	74-03-13	0455	1200	5440	B	17600
73-09-07	0915	1900	4320	B	22200	74-03-13	1000	1110	4510	B	13500
73-09-07	1315	1630	3830	B	16900	74-03-13	1900	943	3350	B	8530
73-09-07	2315	1490	4110	B	16500	74-03-14	0500	768	2770	B	5740
73-09-08	0915	1640	3600	B	15900	74-03-14	2000	572	2060	B	3180
73-09-08	1915	1800	3010	B	14600	74-03-15	1100	465	1610	R	2020
73-09-09	0510	1990	2980	B	16000	74-03-16	1200	337	791	B	720
73-09-09	1415	1960	2410	B	12800	74-03-17	0800	263	413	B	293
73-09-10	1220	1230	1860	B	6180	74-03-18	1030	217	181	B	106
73-09-11	1815	807	1360	B	2960	74-04-01	1205	140	80	B	30
73-09-12	1410	678	1160	B	2120	74-04-14	1250	349	170	B	160
73-09-13	0940	763	1460	B	3010	74-04-14	2050	477	254	B	327
73-09-13	1315	840	1760	B	3990	74-04-15	1205	342	335	B	309
73-09-13	1815	1110	3070	B	9200	74-04-29	1150	137	162	B	60
73-09-13	2315	1150	3340	B	10400	74-05-01	0555	269	260	B	189
73-09-14	0415	1090	4030	B	11900	74-05-01	1015	514	605	B	840
73-09-14	0905	1060	2570	B	7360	74-05-01	1355	838	1800	B	4070
73-09-14	1915	1340	2450	B	8860	74-05-01	1755	1160	3170	B	9930
73-09-15	0510	1680	3470	B	15700	74-05-01	2355	1350	4980	B	18200
73-09-15	1515	1540	3560	B	14800	74-05-02	0155	1440	5750	B	22400
73-09-16	0110	1080	2470	B	7200	74-05-02	0355	1530	6020	B	24900
73-09-16	1110	863	1710	B	3980	74-05-02	0555	1630	6070	B	26700
73-09-16	2110	698	1340	B	2530	74-05-02	0955	1700	6890	B	31600
73-09-17	0710	602	1040	B	1690	74-05-02	1110	1680	6200	B	28100
73-09-18	1315	460	692	B	859	74-05-02	1555	1550	4780	B	20000
73-09-19	1915	445	573	B	688	74-05-02	2100	1670	4660	B	21000
73-09-22	1710	292	417	B	329	74-05-03	0655	2350	5110	B	32400
73-09-25	1305	191	186	B	96	74-05-03	1250	2640	5400	B	38500
73-09-27	0210	275	254	B	189	74-05-03	2055	3020	4510	B	36800
73-09-27	0705	537	630	B	913	74-05-04	0155	2980	3860	B	31100
73-09-27	1035	729	1180	B	2320	74-05-04	0655	2890	3310	R	25800
73-09-27	1505	895	2340	B	5650	74-05-04	1150	2780	2960	B	22200
73-09-27	1710	973	3370	B	8850	74-05-04	2155	2310	3030	B	18900
73-09-27	1910	1060	3110	B	8900	74-05-05	0255	2000	3350	R	18100
73-09-27	2105	1170	3300	B	10400	74-05-05	2255	1060	2670	B	7640
73-09-28	0115	1490	2540	B	10200	74-05-06	1200	843	2210	R	5030
73-09-28	0305	1620	3230	B	14100	74-05-07	0755	633	1560	B	2670
73-09-28	0505	1740	4060	B	19100	74-05-08	0400	510	1340	B	1850
73-09-28	0705	1850	4220	B	21100	74-05-09	0955	404	826	B	901
73-09-28	0945	1980	3560	B	19000	74-05-10	1555	337	517	R	470
73-09-28	1505	2230	3500	B	21100	74-05-11	2150	328	355	B	314
73-09-28	1705	2290	4260	B	26300	74-05-13	1115	276	267	R	199
73-09-28	2105	2340	3640	B	23000	74-05-24	0240	387	519	B	542
73-09-29	0105	2310	3240	B	20200	74-05-24	0635	424	591	B	677
73-09-29	0745	2120	2540	B	14500	74-05-26	0250	361	325	B	317
73-09-29	1305	1800	2420	B	11800	74-05-26	0730	631	1040	B	1770
73-09-29	1905	1420	2010	B	7710	74-05-26	1230	947	3530	B	9030
73-09-30	1105	866	1770	B	4140	74-05-26	1710	1170	4840	B	15300
73-10-01	1200	595	1010	B	1620	74-05-26	2240	1330	5920	B	21300
73-10-02	1715	466	658	B	828	74-05-27	0330	1320	5380	B	19200

\*\*\*\*\*  
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## RED RIVER BASIN

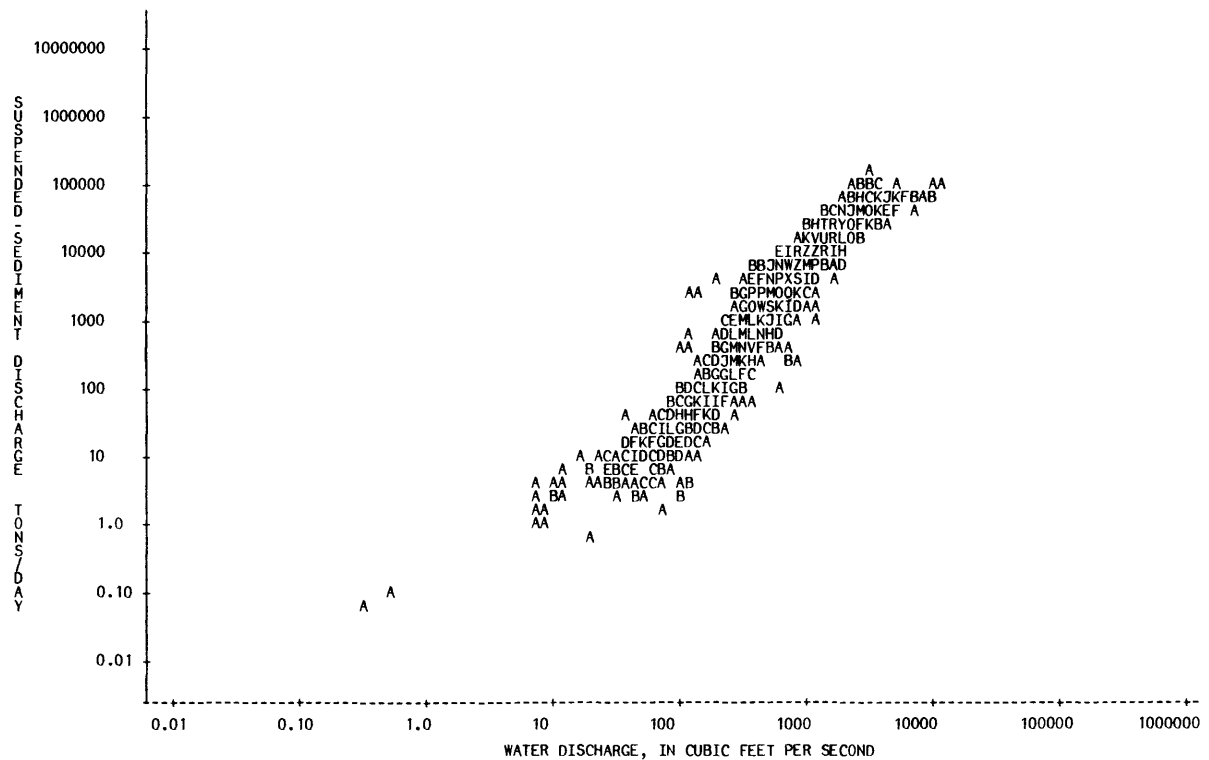
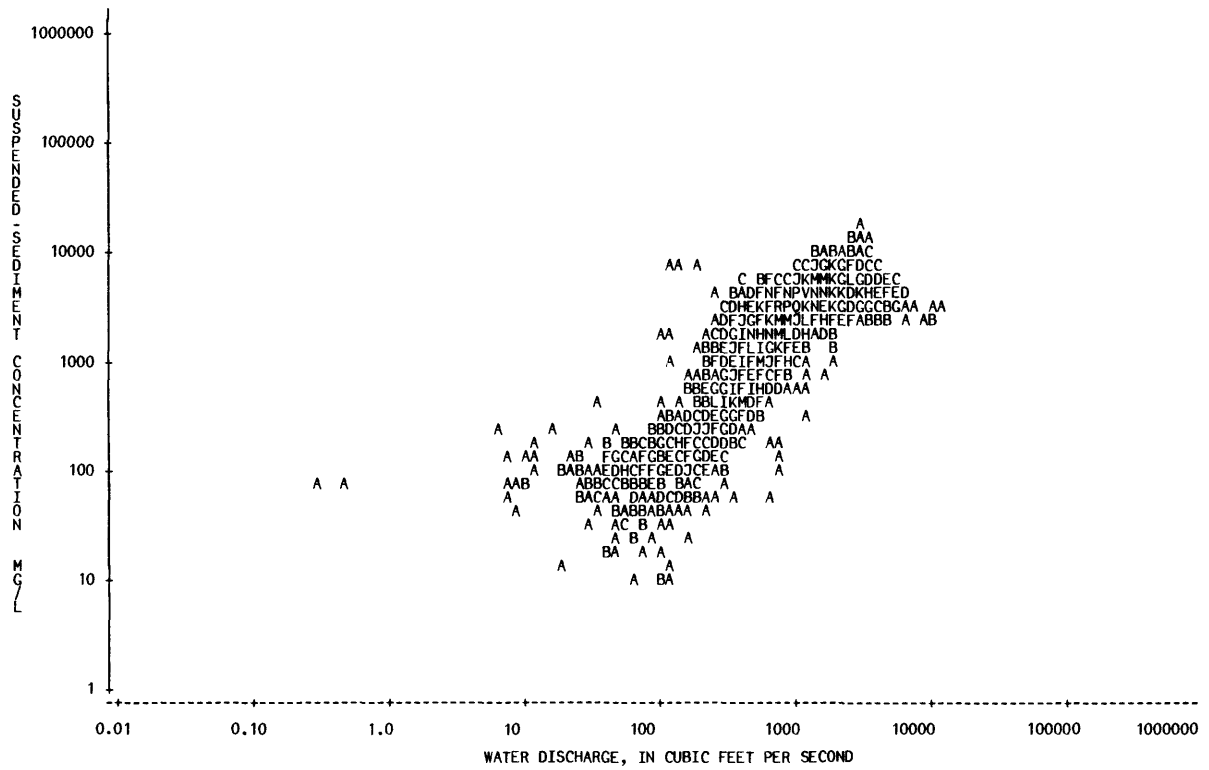
07326500 WASHITA RIVER AT ANADARKO, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-05-27		0830	1200	4580	B	14800					
74-05-27		1330	1000	4130	B	11200					
74-05-27		2340	645	3040	B	5290					
74-05-28		1125	483	2540	B	3310					
74-06-11		1140	735	4430	B	8790					
74-06-11		1740	642	4060	B	7040					
74-06-11		2245	562	3650	B	5540					
74-06-12		0335	483	3080	B	4020					
74-06-12		0835	421	2370	B	2690					
74-06-12		1335	366	1790	B	1770					
74-06-12		1835	320	1210	B	1050					
74-06-12		2340	290	815	B	638					
74-06-13		0930	250	621	B	419					
74-06-14		0535	189	221	B	113					

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07326500 WASHITA RIVER AT ANADARKO, OKLA.



## RED RIVER BASIN

07327000 SUGAR CREEK NEAR GRACEMONT, OKLA.

LOCATION.--Lat 35°10'30", long 98°15'20", in NW 1/4 NE 1/4 sec.16, T.8 N., R.10 W., Caddo County, on downstream side of county road bridge, 1.0 mi (1.6 km) south of Gracemont, 2.1 mi (3.4 km) downstream from Yellow Creek, 1.1 mi (1.8 km) upstream from bridge on U.S. Highway 281, and at mile 9.9 (15.9 km).

DRAINAGE AREA.--208 mi<sup>2</sup> (539 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1962-74.

REMARKS.--Initial upstream floodwater-retarding structure was completed in September 1962. The remaining construction was completed in 1974 with 120 mi<sup>2</sup> (311 km<sup>2</sup>) of the drainage area above the station controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
62-03-14		1415	13	756	B	27	63-07-05	1050	3.4	45	B	0.41
62-03-20		0945	14	2870	B	108	63-07-27	2130	40	35600	B	3840
62-04-10		1635	63	9100	B	1550	63-07-27	2230	212	12700	B	7270
62-06-01		0910	11	1140	B	34	63-07-28	1000	23	1980	B	123
62-06-01		1440	19	7000	B	359	63-09-16	0750	680	39100	B	71800
62-06-01		1600	35	7010	B	662	63-09-16	0830	761	40600	B	83400
62-06-02		0710	266	9680	B	6950	63-09-16	1000	840	33000	B	74800
62-06-02		1200	174	6480	B	3040	63-09-16	1110	768	24100	B	50000
62-06-06		0310	245	8390	B	5550	63-09-16	1305	647	17100	B	29900
62-06-06		0935	188	7280	B	3700	63-09-16	1430	539	14400	B	21000
62-06-08		1035	100	6020	B	1630	63-09-16	1620	371	11800	B	11800
62-06-08		1505	64	3380	B	584	63-10-10	1220	0.50	45	B	0.06
62-06-09		0510	89	14800	B	3560	63-11-05	1135	0.80	42	B	0.09
62-06-09		1030	1220	50300	B	166000	63-11-19	1330	16	1960	B	85
62-06-11		0710	540	25700	B	37500	63-12-04	1245	4.4	80	B	0.95
62-06-11		1300	445	18800	B	22600	63-12-17	1155	6.2	90	B	1.5
62-06-25		0800	22	2310	B	137	64-01-06	1050	5.8	85	B	1.3
62-07-11		1030	1.5	75	B	0.30	64-02-04	1615	40	8870	B	958
62-07-23		1130	2.5	280	B	1.9	64-02-05	1115	50	4920	B	664
62-07-24		1230	168	22500	B	10200	64-02-06	1000	35	1370	B	129
62-07-25		1115	8.4	2820	B	64	64-02-25	1145	9.0	156	B	3.8
62-08-08		1300	0.20	138	B	0.07	64-03-11	1155	11	240	B	7.1
62-09-04		1115	34	5500	B	505	64-03-23	1210	11	258	B	7.7
62-09-08		1020	8.4	2110	B	48	64-04-10	1205	5.4	182	B	2.7
62-09-15		1230	278	33900	B	25400	64-04-22	1545	8.0	619	B	13
62-10-05		1810	7.9	291	B	6.2	64-05-06	0915	6.0	255	B	4.1
62-10-05		1930	11	1880	B	56	64-05-07	1455	3.0	110	B	0.89
62-10-05		2200	12	4620	B	150	64-05-10	1220	2.3	55	B	0.34
62-10-24		1335	5.8	165	B	2.6	64-05-10	2140	784	11400	B	24100
62-11-18		1515	13	410	B	14	64-05-10	2350	595	58700	B	94300
62-12-03		1200	39	388	B	41	64-05-11	1120	207	21000	B	11700
62-12-17		1005	9.4	328	B	8.3	64-05-11	1210	202	16900	B	9220
63-01-03		0945	9.0	380	B	9.2	64-05-11	1750	167	14100	B	6360
63-01-16		1035	4.4	100	B	1.2	64-05-12	1000	128	16500	B	5700
63-02-01		1035	9.0	230	B	5.6	64-05-15	1115	43	2960	B	344
63-02-27		0945	9.0	310	B	7.5	64-05-25	1120	2.2	175	B	1.0
63-03-14		1120	7.8	375	B	7.9	64-05-30	0505	28	6870	B	519
63-03-27		0935	5.4	155	B	2.3	64-06-01	1040	10.0	1640	B	44
63-04-11		1005	5.2	85	B	1.2	64-06-11	1210	0.10	352	B	0.10
63-04-24		1340	8.7	900	B	21	64-08-18	0845	18	4270	B	208
63-04-26		2220	63	8450	B	1440	64-08-18	1030	8.0	3170	B	68
63-05-09		0950	2.1	56	B	0.32	64-11-05	1545	4.7	372	B	4.7
63-05-23		1000	0.70	34	B	0.06	64-11-06	1010	4.0	148	B	1.6
63-06-09		0215	99	12200	B	3260	64-11-09	1205	1.1	176	B	0.52
63-06-17		1035	1.6	38	B	0.16	64-11-17	1030	3.3	280	B	2.5
63-06-23		1030	562	35100	B	53300	64-11-17	1230	3.5	125	B	1.2
63-06-23		1300	630	48400	B	82300	64-11-19	0910	6.4	382	B	6.6
63-06-23		1450	840	85500	B	194000	64-11-23	1250	2.0	73	B	0.39
63-06-23		1510	847	81900	B	187000	64-12-07	1220	2.9	182	B	1.4
63-06-23		1630	910	58700	B	144000	64-12-21	1020	5.9	257	B	4.1
63-06-23		1745	694	35900	B	67300	65-01-04	1000	3.5	100	B	0.95
63-06-24		1030	145	10400	B	4070	65-01-18	1100	4.8	136	B	1.8
63-06-29		0900	14	1070	B	40	65-01-22	1015	9.3	230	B	5.8

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327000 SUGAR CREEK NEAR GRACEMONT, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-02-04	1300		4.7	146	B 1.9	65-10-25	1045		10.0	175	B 4.7
65-02-09	1330		10.0	198	B 5.3	65-10-28	1105		8.1	112	B 2.4
65-02-17	1040		5.2	143	B 2.0	65-11-01	D955		7.6	62	B 1.3
65-03-09	1125		3.9	105	B 1.1	65-11-08	1020		10.0	56	B 1.5
65-03-12	1220		7.0	850	B 16	65-11-15	0910		8.6	125	B 2.9
65-03-30	1200		5.6	200	B 3.0	65-11-19	1230		7.0	84	B 1.6
65-04-05	1325		24	3070	B 199	65-11-29	1005		6.0	53	B 0.86
65-04-05	1405		58	8100	B 1270	65-12-06	1005		6.5	110	B 1.9
65-04-05	1415		120	20600	B 6670	65-12-12	1000		11	103	B 3.1
65-04-05	1505		176	17100	B 8130	65-12-20	1025		8.6	115	B 2.7
65-04-05	1550		167	14500	B 6540	65-12-28	0920		25	387	B 26
65-04-06	1045		8.0	703	B 15	65-12-30	0910		19	415	B 21
65-04-08	0210		209	15000	B 8460	66-01-03	1005		14	317	B 12
65-04-08	0225		184	10900	B 5420	66-01-11	1120		14	355	B 13
65-04-08	0300		137	8220	B 3040	66-01-17	1430		10.0	210	B 5.7
65-04-08	1530		14	974	B 37	66-01-26	1310		12	300	B 9.7
65-04-14	0815		35	2120	B 200	66-02-10	1125		26	1450	B 102
65-04-14	0930		28	2020	B 153	66-02-15	1500		12	295	B 9.6
65-04-14	2155		241	12400	B 8070	66-02-23	1010		4.3	257	B 3.0
65-04-14	2325		226	12600	B 7690	66-02-28	1120		43	3220	B 374
65-04-15	1035		35	1130	B 107	66-03-07	1450		9.2	254	B 6.3
65-04-15	1235		27	845	B 62	66-03-12	0010		41	10800	B 1200
65-04-16	1030		17	230	B 11	66-03-12	0100		480	73700	B 95500
65-04-20	1100		8.6	150	B 3.5	66-03-12	0120		451	68500	B 83400
65-04-26	1020		4.0	70	B 0.76	66-03-12	0340		304	31000	B 25400
65-04-29	1500		3.1	45	B 0.38	66-03-12	1000		143	12600	B 4860
65-05-09	0505		326	19500	B 17200	66-03-12	1155		119	9530	B 3060
65-05-09	0630		429	21500	B 24900	66-03-13	1050		40	3080	B 333
65-05-09	1155		278	8870	B 6660	66-03-14	0835		34	7010	B 644
65-05-09	1305		232	7120	B 4460	66-03-14	1515		34	1310	B 120
65-05-09	1745		96	3020	B 783	66-03-15	0735		31	652	B 55
65-05-10	1210		35	1540	B 146	66-03-16	1335		25	1160	B 78
65-05-11	1155		21	1090	B 62	66-03-17	1250		22	1990	B 118
65-05-13	2320		654	48600	B 85800	66-03-18	1435		18	507	B 25
65-05-14	0115		859	43500	B 101000	66-03-21	1020		14	228	B 8.6
65-05-14	0150		946	39900	B 102000	66-04-04	0950		6.0	110	B 1.8
65-05-14	0420		1110	13600	B 40800	66-04-07	1215		6.0	56	B 0.91
65-05-14	1115		594	11100	B 17800	66-04-11	0900		7.0	57	B 1.1
65-05-14	1310		446	8330	B 10000	66-04-22	1535		17	816	B 37
65-05-14	1330		424	7690	B 8800	66-04-23	1050		43	3220	B 374
65-05-15	1030		135	4640	B 1690	66-04-23	1620		44	2810	B 334
65-05-17	1435		45	1230	B 149	66-04-25	1020		47	4680	B 594
65-05-25	1200		9.1	175	B 4.3	66-04-25	1430		46	2520	B 313
65-05-28	1150		26	1960	B 138	66-04-26	1025		43	3030	B 352
65-05-29	1130		18	210	B 10	66-04-27	0800		31	5320	B 445
65-06-01	1015		10.0	75	B 2.0	66-04-28	1010		26	415	B 29
65-06-02	0050		15	394	B 16	66-05-02	1020		15	588	B 24
65-06-02	0300		63	7630	B 1300	66-05-09	1020		5.7	170	B 2.6
65-06-02	0430		78	8890	B 1870	66-05-16	0955		5.3	127	B 1.8
65-06-02	1005		68	4740	B 870	66-05-21	1220		11	366	B 11
65-06-02	1450		45	2250	B 273	66-05-23	1110		3.2	70	B 0.60
65-06-03	1410		28	930	B 70	66-06-01	1000		2.1	38	B 0.22
65-06-07	0950		11	682	B 20	66-06-06	0930		1.3	36	B 0.13
65-06-17	1050		4.5	100	B 1.2	66-06-08	2310		16	427	B 18
65-06-21	2205		279	18100	B 13600	66-06-09	1035		10.0	936	B 25
65-06-21	2225		288	20400	B 15900	66-06-10	1055		0.10	40	B 0.01
65-06-21	2345		345	14200	B 13200	66-06-13	0935		0.10	20	B 0.01
65-06-22	0250		386	16000	B 16700	66-06-16	0945		27	4510	B 329
65-06-22	0830		273	11700	B 8620	66-06-16	1535		14	1370	B 52
65-06-22	0950		257	10100	B 7010	66-06-21	1015		1.3	25	B 0.09
65-06-23	1310		145	7360	B 2880	66-06-27	0945		1.3	45	B 0.16
65-06-24	1035		95	7110	B 1820	66-07-26	0940		1.0	100	B 0.27
65-06-30	1145		4.4	953	B 11	66-08-11	1045		106	7080	B 2030
65-07-06	1055		0.10	62	B 0.02	66-08-11	1250		73	8560	B 1690
65-08-06	1730		0.10	208	B 0.06	66-08-11	1635		57	12600	B 1940
65-08-07	1205		0.80	400	B 0.86	66-08-11	1905		70	8670	B 1640
65-09-20	1135		2.7	445	B 3.2	66-08-12	1135		47	2440	B 310
65-09-20	2305		756	30300	B 61800	66-08-13	1245		43	1950	B 226
65-09-20	2315		773	32300	B 67400	66-08-15	1600		30	1180	B 96
65-09-21	0150		1250	30100	B 102000	66-08-16	1425		25	1000	B 67
65-09-21	0200		1310	28400	B 100000	66-08-18	2330		29	5630	B 441
65-09-21	0505		2780	8820	B 66200	66-08-19	1015		31	2420	B 203
65-09-21	0525		3080	7120	B 59200	66-08-22	1005		6.5	110	B 1.9
65-09-21	1520		3560	2000	B 19200	66-08-23	1135		9.1	400	B 9.8
65-09-21	1755		2460	2960	B 19700	66-08-23	1340		10.0	1670	B 45
65-09-21	2105		1560	5590	B 23500	66-08-24	1110		15	590	B 24
65-09-22	0215		1200	18700	B 60600	66-08-25	1350		10.0	286	B 7.7
65-09-22	0855		912	15200	B 37400	66-08-31	0735		11	605	B 18
65-09-22	1835		787	14300	B 30400	66-08-31	1400		2.0	382	B 2.1
65-09-23	0755		669	14600	B 26400	66-09-06	1105		4.0	28	B 0.30
65-09-24	1145		537	14400	B 20900	66-09-13	1030		1.5	110	B 0.45
65-09-27	1255		206	8290	B 4610	66-09-14	0610		56	6580	B 995
65-09-30	1120		105	6790	B 1920	66-09-14	1055		50	5830	B 787
65-10-01	1145		89	4020	B 966	66-09-14	1415		34	4150	B 381
65-10-08	0945		33	1020	B 91	66-09-16	1155		15	392	B 16
65-10-14	1010		10.0	180	B 4.9	66-09-19	1320		10.0	153	B 4.1
65-10-18	1235		40	3900	B 421	66-09-26	0950		1.6	25	B 0.11
65-10-18	1400		44	4540	B 539	66-09-27	1220		119	15700	B 5040
65-10-19	1405		32	1130	B 98	66-09-27	1300		184	15800	B 7850

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

D7327000 SUGAR CREEK NEAR GRACEMONT, OKLA.--CONTINUED

625

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
66-09-28	1620		26	1600	B 112	68-04-03	1015		163	29200	B 12900
66-10-03	0945		4.5	30	B 0.36	68-04-03	1350		98	18800	B 4970
66-10-10	1040		2.4	10	B 0.06	68-04-03	1530		89	14800	B 3560
66-10-17	0940		2.9	20	B 0.16	68-04-06	1545		25	1660	B 112
66-10-31	0950		2.2	17	B 0.10	68-04-08	1005		13	1530	B 54
66-11-08	0940		3.1	35	B 0.29	68-04-15	1000	8.3		796	B 18
66-11-16	1155		3.1	20	B 0.17	68-04-19	0030		71	15900	B 3050
66-11-28	1000		4.5	43	B 0.52	68-04-19	0125		163	19500	B 8580
66-12-05	0955		15	282	B 11	68-04-19	0230		287	67500	B 52300
66-12-20	1130		9.2	122	B 3.0	68-04-19	0340		242	36100	B 23600
67-01-04	1050		4.6	50	B 0.62	68-04-19	0550		138	28500	B 10600
67-01-16	1035		5.5	63	B 0.94	68-04-19	0750		87	25200	B 5920
67-01-23	0915		5.6	35	B 0.53	68-04-19	1350		44	6050	B 719
67-01-30	1055		7.9	52	B 1.1	68-04-20	1035		26	2100	B 147
67-02-01	1100		7.0	100	B 1.9	68-04-22	1010		36	2810	B 273
67-02-13	1015		4.6	15	B 0.19	68-04-23	0950		31	3870	B 324
67-02-23	1125		8.4	200	B 4.5	68-04-29	0935	10.0		715	B 19
67-03-13	1005		5.1	258	B 3.6	68-05-07	1315		28	3810	B 288
67-03-27	1000		16	961	B 42	68-05-09	0850		21	2570	B 146
67-04-03	1025		6.7	585	B 11	68-05-11	0920		23	2570	B 160
67-04-11	1020		10.0	792	B 21	68-05-13	1025		26	1820	B 128
67-04-12	0515	2260		37600	B 229000	68-05-13	1615		54	8380	B 1220
67-04-12	0815	1970		22100	B 118000	68-05-13	1705		100	12200	B 3290
67-04-12	0930	1560		22200	B 93500	68-05-13	1730		127	19800	B 6790
67-04-12	1110	1000		29800	B 80500	68-05-13	1750		155	17600	B 7370
67-04-12	1715	332		13000	B 11700	68-05-13	1830		167	20000	B 9020
67-04-13	0710	176		8280	B 3930	68-05-13	1905		168	24600	B 11200
67-04-14	1110	73		4790	B 944	68-05-14	1250		89	6270	B 1510
67-04-15	1045	45		2920	B 355	68-05-15	1155		62	2450	B 410
67-04-16	1140	30		1380	B 112	68-05-16	1140		47	2990	B 379
67-04-17	1445	21		797	B 45	68-05-20	0925		15	1150	B 47
67-04-18	1010	17		596	B 27	68-05-25	0845	31		4570	B 383
67-04-21	1010	24		2580	B 167	68-05-25	1030	83		12800	B 2870
67-04-24	1105	14		718	B 27	68-05-25	1400	106		9540	B 2730
67-05-01	1240	12		248	B 8.0	68-05-26	1305	45		2130	B 259
67-05-08	1040	12		738	B 24	68-05-27	1110	25		1140	B 77
67-05-16	0940	4.7		75	B 0.95	68-05-31	1920	147		12400	B 4920
67-05-22	0850	4.0		78	B 0.84	68-05-31	1940	263		23800	B 16900
67-05-29	0850	3.5		515	B 4.9	68-05-31	2005	449		36100	B 43800
67-05-31	0855	14		1500	B 57	68-05-31	2150	353		42500	B 40500
67-06-05	0850	3.2		330	B 2.9	68-05-31	2310	223		41500	B 25000
67-06-12	1105	2.5		375	B 2.5	68-05-31	2350	206		32100	B 17900
67-06-19	0940	2.1		96	B 0.54	68-06-01	0245	187		33000	B 16700
67-06-26	0840	8.6		702	B 16	68-06-01	0450	191		17600	B 9080
67-07-03	1015	1.1		433	B 1.3	68-06-01	1120	169		12500	B 5700
67-07-11	1200	0.70		145	B 0.27	68-06-02	0935	103		9340	B 2600
67-07-24	1205	0.10		115	B 0.03	68-06-04	1050	43		1440	B 167
67-08-07	1105	0.20		82	B 0.04	68-06-11	0550	41		6610	B 732
67-09-05	1015	3.1		290	B 2.4	68-06-11	1045	46		2570	B 319
67-09-06	1045	0.90		110	B 0.27	68-06-15	1845	250		27800	B 18800
67-09-14	0905	6.7		322	B 5.8	68-06-15	1935	944		65300	B 166000
67-09-18	1030	0.40		85	B 0.09	68-06-15	2000	1720		11700	B 54300
67-09-26	0950	0.90		105	B 0.26	68-06-15	2045	2340		68300	B 432000
67-10-07	0900	4.1		823	B 9.1	68-06-15	2210	1510		86400	B 352000
67-10-09	1105	1.7		158	B 0.73	68-06-16	0015	710		57900	B 111000
67-10-30	1110	1.3		110	B 0.39	68-06-16	0130	511		51000	B 70400
67-11-02	1145	2.2		270	B 1.6	68-06-16	0250	450		42900	B 52100
67-11-13	1110	2.1		120	B 0.68	68-06-16	1100	289		16200	B 12600
67-11-20	1140	2.1		245	B 1.4	68-06-16	1200	263		15100	B 10700
67-12-04	1125	2.5		182	B 1.2	68-06-18	1235	36		2490	B 242
67-12-18	1105	6.9		620	B 12	68-06-24	1340	10.0		240	B 6.5
68-01-02	1000	6.8		485	B 8.9	68-07-02	0320	101		14600	B 3980
68-01-19	0930	17		1610	B 74	68-07-02	0825	73		7700	B 1520
68-01-22	1025	15		2640	B 107	68-07-08	1350	14		586	B 22
68-01-29	1035	10.0		960	B 26	68-07-15	1225	31		4520	B 378
68-02-01	1255	68		14400	B 2640	68-07-22	1310	11		978	B 29
68-02-01	1635	73		9380	B 1850	68-08-15	0610	212		38200	B 21900
68-02-01	1900	74		8450	B 1690	68-08-15	0950	523		26400	B 37300
68-02-02	0855	76		8200	B 1680	68-08-15	1055	614		34000	B 56400
68-02-02	1630	73		6090	B 1200	68-08-15	1225	564		30400	B 46300
68-02-03	1430	52		4500	B 632	68-08-15	1325	467		28000	B 35300
68-02-04	0955	39		4810	B 506	68-08-15	1355	415		26800	B 30000
68-02-05	1155	28		4700	B 355	68-08-16	1110	35		1550	B 146
68-02-19	1015	10.0		788	B 21	68-08-19	1120	7.8		215	B 4.5
68-02-24	1415	14		1190	B 45	68-09-03	1435	1.2		106	B 0.34
68-02-26	1055	14		2340	B 88	68-09-04	0735	405		22600	B 24700
68-03-04	1205	7.3		830	B 16	68-09-04	0900	466		23900	B 30100
68-03-18	0955	12		860	B 28	68-09-04	1220	381		27000	B 27800
68-03-25	1000	10.0		1970	B 53	68-09-04	1340	292		26300	B 20700
68-04-01	1055	10.0		660	B 18	68-09-05	1245	68		4210	B 773
68-04-03	0335	8.1		1130	B 25	68-09-06	1050	56		3740	B 565
68-04-03	0530	32		5240	B 453	68-09-09	1320	23		1430	B 89
68-04-03	0545	40		16000	B 1730	68-09-16	1010	13		565	B 20
68-04-03	0600	39		16100	B 1700	68-09-24	1335	18		1040	B 51
68-04-03	0635	37		19400	B 1940	68-09-26	0910	8.6		443	B 10
68-04-03	0815	94		24700	B 6270	68-10-07	1210	4.2		115	B 1.3
68-04-03	0830	118		23300	B 7420	68-10-09	1005	68		10900	B 2000
68-04-03	0900	138		24700	B 9200	68-10-10	0905	13		1910	B 67
68-04-03	0920	159		26600	B 11400	68-10-14	1320	10.0		205	B 5.5

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USOA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-10-21	1155		5.6	68	B 1.0	69-08-02	1015		60	7910	B 1280
68-11-02	1530		41	6370	B 705	69-08-02	1125		66	7950	B 1420
68-11-04	1420		24	1220	B 79	69-08-02	1205		48	11200	B 1450
68-11-15	1025		109	11600	B 3410	69-08-02	1320		89	7850	B 1890
68-11-15	1530		85	6140	B 1410	69-08-04	1300		4.7	140	B 1.8
68-11-16	1000		54	4360	B 636	69-08-18	1310		1.2	60	B 0.19
68-11-18	1340		25	2500	B 169	69-09-02	1335		16	560	B 24
68-11-25	1355		15	242	B 9.8	69-09-04	0910		3.3	200	B 1.8
68-11-26	1555		35	2250	B 213	69-09-15	1005		1.2	165	B 0.53
68-11-27	1100		44	5170	B 614	69-09-16	0310		154	17200	B 7150
68-11-29	1310		56	3270	B 494	69-09-16	0355		165	16400	B 7310
68-12-16	1335		13	535	B 19	69-09-16	0520		143	9850	B 3800
68-12-18	1350		63	10500	B 1790	69-09-16	0655		410	27500	B 30400
68-12-18	1645		62	9700	B 1620	69-09-16	0805		556	26200	B 39300
68-12-19	1040		32	1450	B 125	69-09-16	1410		182	9270	B 4560
69-01-10	1110		17	1450	B 67	69-09-16	1720		98	3790	B 1000
69-01-20	1225		19	1160	B 60	69-09-17	0920		22	1470	B 87
69-02-03	1445		15	381	B 15	69-09-22	1040		8.9	223	B 5.4
69-02-14	1110		41	4130	B 457	69-09-23	1245		26	2950	B 207
69-02-14	1540		40	4220	B 456	69-09-24	1000		10.0	325	B 8.8
69-02-17	1415		24	1580	B 102	69-09-29	1045		7.3	166	B 3.3
69-02-20	1125		41	4250	B 470	69-10-13	0945		8.4	235	B 5.3
69-02-20	1525		42	3730	B 423	69-10-28	1120		5.4	175	B 2.6
69-02-24	1335		37	2270	B 227	69-11-10	1125		5.3	185	B 2.6
69-03-03	1345		49	2610	B 345	69-11-24	1100		5.3	90	B 1.3
69-03-17	1305		26	2180	B 153	69-12-01	1300		5.8	60	B 0.94
69-03-23	1115		132	24000	B 8550	69-12-08	1345		7.4	322	B 6.4
69-03-23	1140		142	24700	B 9470	70-01-02	1425		15	1850	B 75
69-03-23	1240		154	27900	B 11600	70-01-26	1345		13	606	B 21
69-03-23	1400		176	32900	B 15600	70-02-05	1410		9.4	400	B 10
69-03-23	1520		200	33500	B 18100	70-02-18	1010		13	987	B 35
69-03-23	1615		199	25000	B 13400	70-03-02	1125		8.4	412	B 9.3
69-03-24	1400		64	9340	B 1610	70-03-06	1345		26	1890	B 133
69-03-25	1125		45	6730	B 818	70-03-09	1405		20	1550	B 84
69-04-07	1330		19	2670	B 137	70-03-16	1345		16	562	B 24
69-04-17	1000		92	16600	B 4120	70-03-30	1320		26	3610	B 253
69-04-17	1100		102	18000	B 4960	70-04-01	1105		48	8340	B 1080
69-04-17	1510		52	6760	B 949	70-04-06	1355		31	2180	B 182
69-04-18	1215		36	9420	B 916	70-04-13	1320		14	650	B 25
69-04-21	1355		23	1200	B 75	70-04-17	1125		68	9840	B 1810
69-04-26	1900		168	38700	B 17600	70-04-20	1600		23	1260	B 78
69-04-26	2115		176	21100	B 10000	70-04-21	1415		17	792	B 36
69-04-27	0725		95	10300	B 2640	70-04-27	1155		9.4	635	B 16
69-04-28	1425		38	1490	B 153	70-04-30	0350		47	5910	B 750
69-05-04	0905		86	10700	B 2480	70-04-30	0505		289	16500	B 12900
69-05-04	1500		4500	53000	B 644000	70-04-30	0625		308	15800	B 13100
69-05-04	1550		4360	65200	B 768000	70-04-30	0950		249	15500	B 10400
69-05-04	1700		3290	72400	B 643000	70-04-30	1205		190	8670	B 4450
69-05-04	1750		1240	64700	B 217000	70-04-30	1925		112	2010	B 608
69-05-04	1855		2060	71700	B 399000	70-05-01	0900		58	4530	B 709
69-05-04	2030		2030	90600	B 497000	70-05-04	1350		19	790	B 41
69-05-04	2205		1640	96000	B 425000	70-05-11	1240		6.7	100	B 1.8
69-05-05	0105		3970	10400	B 111000	70-05-18	1135		2.7	120	B 0.87
69-05-05	0155		4220	99300	B 1130000	70-05-25	1230		3.8	70	B 0.72
69-05-05	0300		3240	14000	B 122000	70-05-29	0450		2510	70100	B 475000
69-05-05	0405		3230	89300	B 779000	70-05-29	0620		1910	50700	B 261000
69-05-05	0535		3020	67300	B 549000	70-05-29	0735		1480	36300	B 145000
69-05-05	0955		986	50000	B 133000	70-05-29	1215		394	7180	B 7640
69-05-05	1205		748	35600	B 71900	70-06-01	0045		238	32500	B 20900
69-05-05	1440		546	25400	B 37400	70-06-01	0155		483	31700	B 41300
69-05-06	0650		214	17800	B 10300	70-06-01	0335		669	30100	B 54400
69-05-06	1430		902	56600	B 138000	70-06-01	0630		459	17300	B 21400
69-05-06	1500		1200	92200	B 299000	70-06-01	1215		190	7530	B 3860
69-05-06	1805		1160	50100	B 157000	70-06-02	1220		52	2130	B 299
69-05-06	2135		1290	53400	B 186000	70-06-03	1035		31	2800	B 234
69-05-07	0140		937	17900	B 45300	70-06-05	1035		15	1020	B 41
69-05-07	0730		417	14000	B 15800	70-06-08	1210		10.0	272	B 7.3
69-05-07	1120		325	17200	B 15100	70-06-11	1550		187	11400	B 5760
69-05-07	1430		286	14200	B 11000	70-06-11	1720		201	10900	B 5920
69-05-08	1115		213	10700	B 6150	70-06-12	1200		25	1110	B 75
69-05-09	1300		150	6130	B 2480	70-06-15	1150		7.2	130	B 2.5
69-05-11	1430		111	2840	B 851	70-06-22	1230		3.2	80	B 0.69
69-05-14	1020		127	12000	B 4110	70-06-29	1135		1.8	45	B 0.22
69-05-15	1215		76	3520	B 722	70-09-22	0905		15	1900	B 77
69-05-19	1415		33	866	B 77	70-09-22	1030		53	6240	B 893
69-05-26	1350		23	564	B 35	70-09-22	1050		41	3070	B 340
69-06-09	1200		10.0	240	B 6.5	70-09-22	1440		16	464	B 20
69-06-14	0255		1290	90200	B 314000	70-09-22	1840		87	13700	B 3220
69-06-14	0410		1280	60000	B 207000	70-09-22	1905		193	11500	B 5990
69-06-14	0720		971	48200	B 126000	70-09-22	1935		171	12800	B 5910
69-06-14	0850		738	43300	B 86300	70-09-22	2235		82	9140	B 2020
69-06-14	0935		661	51400	B 91700	70-09-23	0840		27	2460	B 179
69-06-14	1735		280	11100	B 8390	70-09-28	1150		0.10	190	B 0.05
69-06-15	0930		131	7800	B 2760	70-10-05	1045		5.3	650	B 9.3
69-06-16	1210		74	2880	B 575	70-10-19	1230		7.0	122	B 2.3
69-06-23	1340		12	340	B 11	70-11-02	1130		0.40	360	B 0.39
69-07-07	1025		3.7	123	B 1.2	70-11-16	1315		1.1	70	B 0.21
69-07-22	1315		3.1	180	B 1.5	70-11-23	1320		1.1	76	B 0.23
69-08-02	0920		55	10200	B 1510	70-12-07	1325		4.0	30	B 0.32

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327000 SUGAR CREEK NEAR GRACEMONT, OKLA.--CONTINUED

627

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-12-22	1125		1.9	40	0.21	73-03-12	1200		56	2020	305
71-01-06	1500		2.7	175	1.3	73-03-13	1200		32	2660	230
71-02-01	1240		3.0	130	1.1	73-03-14	1435		20	1860	100
71-02-16	1320		3.5	80	0.76	73-03-19	1420		9.4	184	4.7
71-03-01	1305		4.8	73	0.95	73-03-24	2015		593	15300	24500
71-03-15	1300		1.2	90	0.29	73-03-24	2050		586	14200	22500
71-03-29	1330		0.30	155	0.13	73-03-25	1220		88	8250	1960
71-04-19	1330		1.9	20	0.10	73-03-26	1230		56	2480	375
71-05-27	0920		0.70	608	1.1	73-03-27	1340		42	3600	408
71-05-31	2220		226	9730	5940	73-03-28	1105		100	4760	1290
71-06-01	0030		102	6830	1880	73-03-30	1145		486	24000	31500
71-06-01	0850		109	9720	2860	73-03-30	1235		603	19400	31600
71-06-01	1155		48	3240	420	73-03-30	1430		822	21000	46600
71-06-02	1210		14	418	16	73-03-30	1800		904	23100	56400
71-06-03	1030		67	4580	829	73-03-31	1035		311	10100	8480
71-06-04	1025		46	2460	306	73-04-02	1420		111	3630	1090
71-06-07	1200		10.0	216	5.8	73-04-03	1305		106	4370	1250
71-06-08	1645		235	7650	4850	73-04-05	1225		50	1880	254
71-06-08	1735		290	7350	5760	73-04-09	1320		35	1380	130
71-06-09	0830		248	14400	9640	73-04-15	1440		228	23700	14600
71-06-09	0930		354	11400	10900	73-04-15	1600		454	24400	29900
71-06-09	1300		224	10500	6350	73-04-15	1705		546	24600	36300
71-06-09	1425		147	10000	3970	73-04-15	1810		681	21500	39500
71-06-10	1020		75	3320	672	73-04-16	1340		153	4260	1760
71-06-11	1030		107	8510	2460	73-04-18	1120		69	3730	695
71-06-14	1020		17	703	32	73-04-19	1255		75	4290	869
71-06-21	1010		1.8	75	0.36	73-04-23	1040		23	700	43
71-07-02	1310		15	1020	41	73-04-30	1000		13	485	17
71-08-14	2255		210	13900	7880	73-05-07	1120		10.0	537	14
71-08-14	2345		282	16600	12600	73-05-14	1120		5.9	172	2.7
71-08-16	1210		5.1	153	2.1	73-05-21	1105		19	804	41
71-08-30	1150		5.5	1070	16	73-05-23	0145		171	13500	6230
71-09-20	1125		2.1	106	0.60	73-05-23	0205		166	13100	5870
71-09-27	1230		8.0	145	3.1	73-05-23	0320		122	7600	2500
71-10-04	1205		2.9	87	0.68	73-05-23	1150		38	1900	195
71-10-19	1205		2.7	75	0.55	73-05-29	1205		5.1	80	1.1
71-11-01	1340		5.1	104	1.4	73-05-31	0605		228	7110	4380
71-11-08	1145		1.8	75	0.36	73-05-31	0650		328	10900	9650
71-11-22	1355		4.9	100	1.3	73-05-31	0730		353	12300	11700
71-12-06	1320		8.5	160	3.7	73-05-31	0755		359	11800	11400
71-12-15	1245		55	4710	699	73-05-31	0930		312	9770	8230
71-12-16	1120		28	2110	160	73-05-31	1220		198	4110	2200
71-12-17	1245		29	1200	94	73-06-01	1230		70	1670	316
71-12-20	1100		12	310	10	73-06-02	0630		210	9620	5450
71-12-27	1150		8.0	192	4.1	73-06-02	0730		258	10200	7110
72-01-10	1255		7.0	348	6.6	73-06-02	0835		249	9550	6420
72-01-24	1045		6.8	320	5.9	73-06-02	0940		219	7230	4280
72-02-07	1435		7.9	1060	23	73-06-02	1210		186	4920	2470
72-02-22	1130		6.1	117	1.9	73-06-02	2120		164	3890	1720
72-03-06	1100		2.5	80	0.54	73-06-03	0700		126	3030	1030
72-03-20	1125		0.30	75	0.06	73-06-04	1210		72	1480	288
72-04-03	1110		0.40	95	0.10	73-06-05	1120		50	2160	292
72-04-17	1000		0.20	92	0.05	73-06-11	1140		8.7	370	8.7
72-04-27	1020		15	318	13	73-06-18	2145		124	11600	3880
72-04-28	1135		12	125	4.0	73-06-18	2315		196	10300	5450
72-04-30	0405		30	475	38	73-06-19	0050		203	8070	4420
72-04-30	0935		44	6370	757	73-06-19	1130		50	2590	350
72-04-30	1405		27	2470	180	73-06-25	1155		4.5	186	2.3
72-05-01	1010		13	774	27	73-07-16	1200		40	461	50
72-05-02	1030		7.8	308	6.5	73-07-23	0945		2.8	85	0.64
72-05-08	1005		3.3	125	1.1	73-07-30	1200		2.6	88	0.62
72-05-12	0305		16	1090	47	73-08-13	1150		0.30	504	0.41
72-05-12	0930		24	2180	141	73-08-27	1145		0.10	417	0.11
72-05-12	1130		28	1870	141	73-09-04	0155		253	14400	9840
72-05-15	1250		8.3	235	5.3	73-09-04	0225		423	11000	12600
72-05-22	1010		0.40	64	0.07	73-09-04	0300		461	9560	11900
72-05-30	1055		6.8	67	1.2	73-09-04	0440		681	7500	13800
72-06-05	0945		0.20	107	0.06	73-09-04	0705		740	5400	10800
72-10-31	1120		3.6	280	2.7	73-09-04	0845		469	4490	5690
72-11-13	1105		2.6	85	0.60	73-09-04	1245		184	2810	1400
72-11-27	1100		1.8	26	0.13	73-09-05	1210		60	822	133
73-01-02	1055		1.0	47	0.13	73-09-10	1010		21	210	12
73-01-17	1335		9.3	140	3.5	73-09-17	1200		40	1460	158
73-01-21	1645		91	4930	1210	73-09-26	1415		69	3890	725
73-01-21	1755		95	4210	1080	73-09-26	2020		166	7660	3430
73-01-21	1830		88	4090	972	73-09-26	2215		174	6390	3000
73-01-22	1210		23	612	38	73-09-26	2345		174	5290	2490
73-01-23	1405		12	108	3.5	73-09-27	1010		83	1180	264
73-02-05	1020		7.4	57	1.1	73-09-28	1010		53	561	80
73-02-20	1200		3.3	28	0.25	73-10-01	1010		15	155	6.3
73-03-05	1300		8.2	43	0.95	73-10-09	1040		12	205	6.6
73-03-06	0840		444	8240	9880	73-10-11	0815		136	14000	5140
73-03-06	0935		418	9880	11200	73-10-11	0845		157	13400	5680
73-03-06	1535		77	2800	582	73-10-11	1010		184	11800	5860
73-03-07	1030		36	586	57	73-10-11	1105		180	8040	3910
73-03-08	1030		30	670	54	73-10-11	1300		137	5660	2090
73-03-10	1010		687	14400	26700	73-10-15	1150		27	543	40
73-03-10	1020		676	11900	21700	73-10-23	1145		7.8	140	2.9
73-03-10	1420		413	11100	12400	73-11-06	1235		6.2	200	3.3

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## RED RIVER BASIN

07327000 SUGAR CREEK NEAR GRACEMONT, OKLA.--CONTINUED

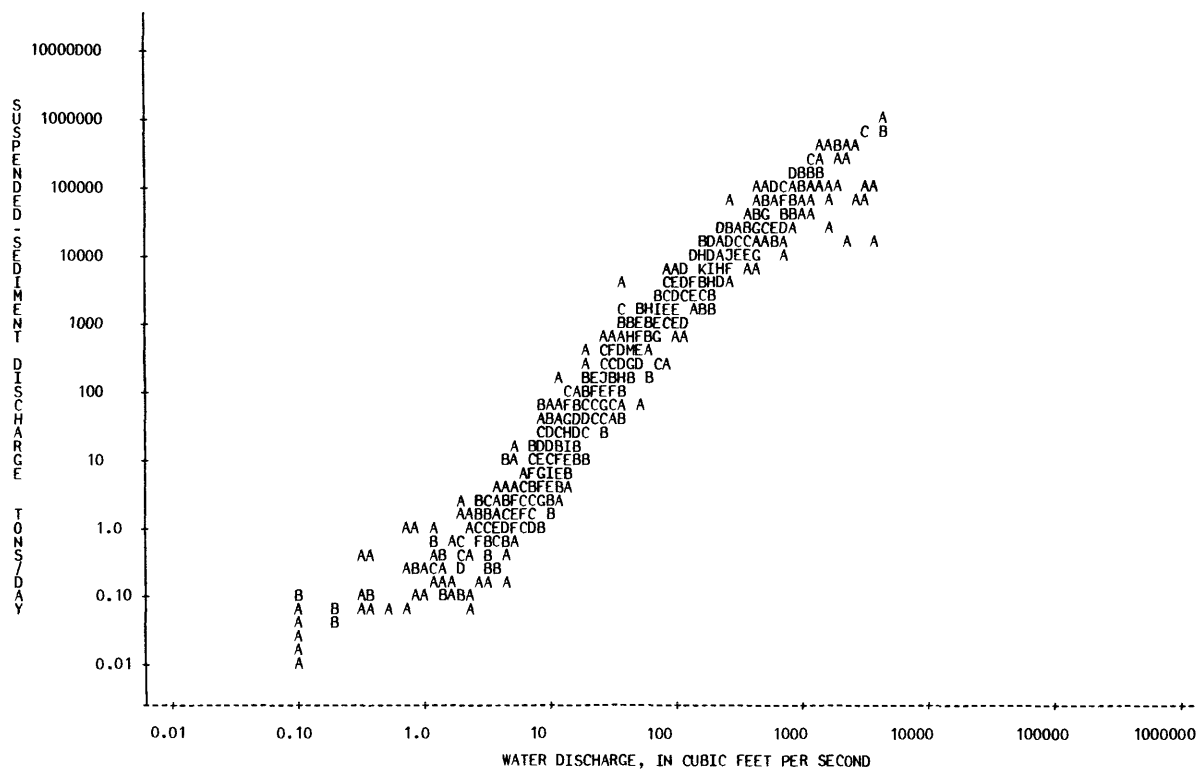
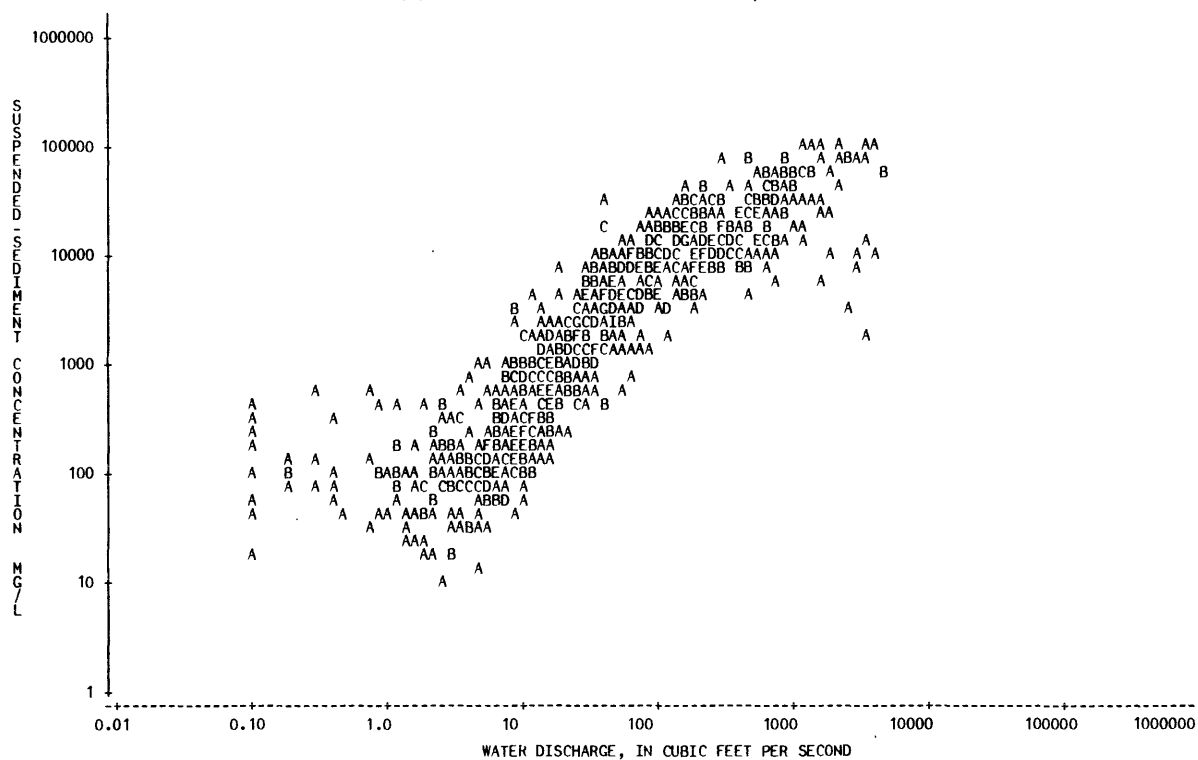
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-11-19	1315		8.9	100	B	2.4					
73-11-26	1220		27	490	B	36					
73-12-03	1245		24	1260	B	82					
73-12-17	1235		10.0	100	B	2.7					
74-01-14	1135		13	135	B	4.7					
74-01-28	1210		13	192	B	6.7					
74-02-11	1125		8.5	135	B	3.1					
74-02-25	1010		28	952	B	72					
74-03-08	0910		16	200	B	8.6					
74-03-10	1725		185	7190	B	3590					
74-03-10	1825		232	9230	B	5780					
74-03-11	0955		108	4040	B	1180					
74-03-18	0920		19	474	B	24					
74-04-01	0945		11	282	B	8.4					
74-04-11	1020		68	1480	B	272					
74-04-15	0930		12	206	B	6.7					
74-04-29	0945		45	4050	B	492					
74-05-01	1510		293	13800	B	10900					
74-05-01	1610		389	14400	B	15100					
74-05-01	1650		518	14400	B	20100					
74-05-01	1735		579	13800	B	21600					
74-05-01	2005		586	11500	B	18200					
74-05-02	0205		273	6700	B	4940					
74-05-02	1255		203	3690	B	2020					
74-05-03	0915		121	3330	B	1090					
74-05-06	0925		35	1030	B	97					
74-05-13	0925		10.0	92	B	2.5					
74-05-25	1025		352	11600	B	11000					
74-05-28	0920		27	596	B	43					
74-06-03	0955		19	1220	B	63					
74-06-10	0940		57	1300	B	200					

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07327000 SUGAR CREEK NEAR GRACEMONT, OKLA.



## RED RIVER BASIN

07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.

LOCATION.--Lat 35°03'25", long 98°10'41", in NW 1/4 sec.29, T.7 N., R.9 W., Caddo County, Hydrologic Unit 11130302, above county road bridge, 3 mi (4.8 km) east and 1.0 mi (1.6 km) south of Anadarko.

DRAINAGE AREA.--40.1 mi<sup>2</sup> (102.7 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1962-78.

REMARKS.--Initial upstream floodwater-retarding structure was completed in April 1979. Construction is continuing with 7.6 mi<sup>2</sup> (19.7 km<sup>2</sup>) currently controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
62-08-24		1200	0.10	368	B	0.10	64-05-29	1445	23	1900	B	118
62-09-10		1335	0.90	144	B	0.35	64-05-29	1555	16	1890	B	82
62-09-15		1055	101	4360	B	1190	64-05-29	2345	9.5	225	B	5.8
62-09-15		1230	89	6630	B	1590	64-05-30	0235	15	250	B	10
62-10-15		1015	1.2	141	B	0.46	64-05-30	0600	46	1880	B	233
62-10-28		0850	18	1790	B	87	64-06-15	1430	0.40	65	B	0.07
62-11-01		1100	2.9	150	B	1.2	64-08-18	0700	60	8310	B	1350
62-11-15		1550	2.9	240	B	1.9	64-08-18	0920	12	2350	B	76
62-12-17		1405	4.6	209	B	2.6	64-11-03	1850	4.2	786	B	8.9
63-01-03		1240	4.4	120	B	1.4	64-11-03	1950	102	10500	B	2890
63-01-16		1440	4.9	210	B	2.8	64-11-03	2035	83	7570	B	1700
63-02-01		1400	5.8	204	B	3.2	64-11-04	1135	1.4	138	B	0.52
63-02-13		1540	5.3	120	B	1.7	64-11-05	0930	1.3	185	B	0.65
63-02-27		1310	4.3	83	B	0.96	64-11-13	1105	0.30	294	B	0.24
63-03-14		1340	4.6	122	B	1.5	64-11-17	0145	94	5150	B	1310
63-03-27		1250	3.6	103	B	1.0	64-11-17	0920	21	907	B	51
63-04-11		1500	4.0	116	B	1.3	64-11-18	1355	43	3960	B	460
63-04-25		1400	3.6	88	B	0.86	64-11-18	2020	24	720	B	47
63-04-26		1820	27	4420	B	322	64-11-19	1150	21	366	B	21
63-04-26		2150	169	9200	B	4200	64-11-20	1100	5.1	280	B	3.9
63-04-26		2350	112	3050	B	922	64-11-23	1120	3.2	150	B	1.3
63-05-09		1410	2.3	110	B	0.68	64-12-01	1250	2.4	252	B	1.6
63-05-23		1320	1.2	168	B	0.54	64-12-09	1045	2.3	173	B	1.1
63-05-31		1650	12	2130	B	69	64-12-10	1230	6.1	242	B	4.0
63-06-06		0950	0.80	153	B	0.33	64-12-15	1045	2.6	135	B	0.95
63-06-17		1535	0.30	172	B	0.14	64-12-21	1300	3.0	253	B	2.0
63-11-22		1415	1.8	240	B	1.2	65-01-04	1300	2.5	120	B	0.81
63-12-17		1000	0.30	205	B	0.17	65-01-18	1315	2.7	160	B	1.2
64-01-03		1105	0.40	144	B	0.16	65-01-22	1230	6.3	108	B	1.8
64-01-21		1005	0.50	102	B	0.14	65-02-09	1445	8.7	186	B	4.4
64-02-04		1400	13	470	B	16	65-02-17	1300	2.7	176	B	1.3
64-02-05		1040	14	216	B	8.2	65-03-11	1010	2.6	143	B	1.0
64-02-18		1335	2.4	116	B	0.75	65-03-12	1000	7.8	241	B	5.1
64-03-03		1025	1.9	86	B	0.44	65-03-30	0930	2.6	150	B	1.1
64-03-18		1035	2.3	168	B	1.0	65-04-04	1030	3.2	110	B	0.95
64-04-01		1235	2.4	85	B	0.55	65-04-05	1435	29	4890	B	383
64-04-15		1230	1.5	176	B	0.71	65-04-06	0915	4.7	130	B	1.6
64-04-28		1340	0.80	175	B	0.38	65-04-13	1200	2.1	148	B	0.84
64-05-05		1305	0.60	170	B	0.28	65-04-15	1345	7.3	154	B	3.0
64-05-06		0905	10.0	310	B	8.4	65-04-26	1230	2.5	75	B	0.51
64-05-09		2150	2.9	1170	B	9.2	65-05-09	1505	6.8	300	B	5.5
64-05-09		2220	2.9	507	B	4.0	65-05-09	1530	121	14700	B	4800
64-05-09		2350	48	4590	B	595	65-05-09	1555	217	16400	B	9610
64-05-09		2400	67	6150	B	1110	65-05-09	1705	398	21000	B	22600
64-05-10		0020	88	12600	B	2990	65-05-09	1750	408	15800	B	17400
64-05-10		0155	89	11400	B	2740	65-05-09	1905	418	14100	B	15900
64-05-10		0330	48	3940	B	511	65-05-09	2015	284	9350	B	7170
64-05-10		1000	20	441	B	24	65-05-10	1020	16	390	B	17
64-05-10		1430	10.0	210	B	5.7	65-05-11	1500	6.3	216	B	3.7
64-05-10		2050	382	21100	B	21800	65-05-13	1230	3.5	257	B	2.4
64-05-11		0950	25	516	B	35	65-05-24	1100	1.2	681	B	2.2
64-05-12		1505	6.0	350	B	5.7	65-05-26	0955	7.6	435	B	8.9
64-05-26		1205	0.30	67	B	0.05	65-05-28	1005	6.9	220	B	4.1

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 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## RED RIVER BASIN

07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.--CONTINUED

631

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TDNS/DAY)	
65-06-01	1130		1.3	285	B	1.0	67-05-31	1050	1.5	430	B	1.7
65-06-02	1130		15	630	B	26	67-06-26	0840	0.80	194	B	0.42
65-06-03	1600		2.7	90	B	0.66	67-07-03	1305	0.20	277	B	0.15
65-06-17	1415		0.70	150	B	0.28	67-07-05	0735	0.10	416	B	0.11
65-06-30	1300		0.10	63	B	0.02	67-09-05	0900	0.20	116	B	0.06
65-08-06	1540		1.6	765	B	3.3	67-09-27	0805	1.4	515	B	1.9
65-08-06	1815		0.60	286	B	0.46	67-10-07	1635	2.3	154	B	0.96
65-08-28	0535		64	4690	B	810	67-10-31	1250	0.90	50	B	0.12
65-08-28	0555		73	5900	B	1160	67-12-04	0920	0.20	534	B	0.29
65-08-28	0610		66	4690	B	836	67-12-17	1015	1.0	255	B	0.69
65-08-28	0715		46	2750	B	342	68-01-19	0930	5.8	156	B	2.4
65-08-28	0840		24	2150	B	139	68-01-22	0940	2.5	172	B	1.2
65-08-28	1050		11	1200	B	36	68-01-29	0950	2.4	162	B	1.0
65-08-28	1100		10.0	788	B	21	68-02-26	1000	3.2	17	B	0.15
65-08-28	1355		18	2330	B	113	68-03-18	0845	1.8	125	B	0.61
65-09-21	1255		3.2	360	B	3.1	68-03-25	0905	2.6	173	B	1.2
65-10-18	1445		6.8	810	B	15	68-04-22	1140	3.7	118	B	1.2
65-10-18	1540		5.4	515	B	7.5	68-05-09	0510	206	28300	B	15700
65-12-06	1145		0.10	162	B	0.04	68-05-09	0635	635	11400	B	19500
65-12-13	1100		0.40	160	B	0.17	68-05-09	0745	729	8660	B	17000
65-12-20	1235		0.40	184	B	0.20	68-05-09	0840	629	8560	B	14500
66-01-05	1230		0.70	267	B	0.50	68-05-09	0930	399	8530	B	9190
66-01-17	1520		0.70	175	B	0.33	68-05-09	1505	63	1780	B	303
66-02-15	1550		1.6	150	B	0.65	68-05-10	1000	22	425	B	25
66-02-28	1330		4.0	30	B	0.32	68-05-12	0845	13	366	B	13
66-03-07	1345		1.3	40	B	0.14	68-05-13	0905	8.8	323	B	7.7
66-03-14	1840		1.8	157	B	0.76	68-05-14	0900	12	305	B	9.9
66-04-22	2025		12	125	B	4.0	68-05-15	0225	28	1560	B	118
66-04-24	1045		6.3	40	B	0.68	68-05-15	0320	39	9520	B	1000
66-04-25	1735		6.9	33	B	0.61	68-05-15	0410	78	7170	B	1510
66-04-25	2250		29	878	B	69	68-05-15	0450	76	6480	B	1330
66-04-26	0740		25	437	B	29	68-05-15	0825	38	1890	B	194
66-04-27	0925		6.5	161	B	2.8	68-05-17	0845	4.8	400	B	5.2
66-05-02	1340		3.2	232	B	2.0	68-05-31	1945	4.9	218	B	2.9
66-05-16	1235		0.90	264	B	0.64	68-05-31	2145	10.0	370	B	10
66-05-21	0405		55	8500	B	1260	68-05-31	2340	29	1540	B	121
66-05-21	0505		30	3510	B	284	68-06-04	1245	3.3	95	B	0.85
66-05-21	0625		24	1830	B	119	68-06-15	1900	0.50	205	B	0.28
66-05-21	1015		15	750	B	30	68-06-15	2050	99	7520	B	2010
66-05-21	1405		10.0	315	B	8.5	68-06-15	2135	93	9400	B	2360
66-05-23	0945		1.1	80	B	0.24	68-06-16	0100	37	3620	B	362
66-06-09	1205		0.20	54	B	0.03	68-06-16	0835	11	362	B	11
66-08-19	1430		1.0	348	B	0.94	68-07-01	1830	1.3	15	B	0.05
66-09-14	0045		0.30	1440	B	1.2	68-07-01	2210	20	1770	B	96
66-09-14	0210		4.0	558	B	6.0	68-07-02	0640	4.8	404	B	5.2
66-09-14	0400		11	970	B	29	68-07-08	1010	0.40	409	B	0.44
66-09-14	0540		21	2720	B	154	68-07-14	1945	6.8	818	B	15
66-09-14	0700		21	2000	B	113	68-07-14	2320	17	1070	B	49
66-09-14	0920		11	1120	B	33	68-07-15	0920	6.4	285	B	4.9
66-09-14	1205		3.9	400	B	4.2	68-09-04	0605	14	2100	B	79
66-09-14	1510		1.9	85	B	0.44	68-09-04	0755	6.9	2450	B	46
66-12-05	1320		0.20	88	B	0.05	68-09-04	1055	30	4670	B	378
67-01-30	1425		0.50	110	B	0.15	68-09-04	1430	5.5	1760	B	26
67-03-13	1440		0.60	10	B	0.02	68-09-05	1450	0.20	46	B	0.02
67-03-20	1120		1.8	100	B	0.49	68-10-09	0715	68	7620	B	1400
67-03-27	1145		0.90	165	B	0.40	68-10-09	1140	6.1	1820	B	30
67-04-09	1955		9.4	235	B	6.0	68-10-10	1015	0.70	46	B	0.09
67-04-09	2025		110	13700	B	4070	68-10-21	1045	0.20	45	B	0.02
67-04-09	2155		90	8500	B	2070	68-11-15	0930	8.1	565	B	12
67-04-09	2300		54	4570	B	666	68-11-15	1450	2.9	468	B	3.7
67-04-10	0810		13	1230	B	43	68-11-16	1135	1.7	96	B	0.44
67-04-10	1000		18	962	B	47	68-11-18	1120	0.90	196	B	0.48
67-04-10	1200		19	880	B	45	68-11-26	1500	3.8	256	B	2.6
67-04-10	1605		12	435	B	14	68-11-29	1455	3.8	82	B	0.84
67-04-11	1135		3.3	120	B	1.1	68-12-16	0945	1.6	215	B	0.93
67-04-12	0355		185	9090	B	4540	69-02-14	1025	7.2	140	B	2.7
67-04-12	0635		337	14800	B	13500	69-02-17	1115	3.2	172	B	1.5
67-04-12	0815		168	6380	B	2890	69-02-20	1025	7.5	173	B	3.5
67-04-12	0910		122	3420	B	1130	69-03-03	1110	7.1	61	B	1.2
67-04-12	1150		58	2760	B	432	69-03-23	1630	25	696	B	47
67-04-12	1255		49	2380	B	315	69-03-24	1050	9.1	165	B	4.1
67-04-13	0705		40	2350	B	254	69-03-25	1250	5.0	115	B	1.6
67-04-13	1530		16	321	B	14	69-04-16	2225	286	12400	B	9580
67-04-14	1230		5.3	191	B	2.7	69-04-16	2325	157	9180	B	3890
67-04-18	1155		2.2	150	B	0.89	69-04-17	0145	88	11400	B	2710
67-04-20	1605		73	7220	B	1420	69-04-17	0535	32	2290	B	198
67-04-20	1610		121	13100	B	4280	69-04-17	1430	12	433	B	14
67-04-20	1620		135	16600	B	6050	69-04-18	1425	4.7	100	B	1.3
67-04-20	1625		154	20400	B	8480	69-04-21	1020	2.7	60	B	0.44
67-04-20	1745		227	13000	B	7970	69-04-26	1840	297	16500	B	13200
67-04-20	1835		145	7440	B	2910	69-04-26	2000	212	10800	B	6180
67-04-20	2220		28	1460	B	110	69-04-26	2230	68	4280	B	786
67-04-21	1200		6.5	128	B	2.2	69-04-27	1150	11	272	B	8.1
67-04-24	1305		1.6	200	B	0.86	69-04-28	1040	4.5	135	B	1.6
67-05-05	1950		1.8	632	B	3.1	69-05-03	1930	25	4190	B	283
67-05-05	2230		2.9	374	B	2.9	69-05-03	2200	16	1590	B	69
67-05-08	1245		1.7	263	B	1.2	69-05-04	0745	14	303	B	11
67-05-20	1445		1.3	300	B	1.1	69-05-05	0055	317	13900	B	11900
67-05-29	1015		0.30	564	B	0.46	69-05-05	0510	168	5670	B	2570

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
69-05-05	0815	88		1920	B	456	72-02-22	0935	1.7	254	B	1.2
69-05-05	1335	34		663	B	61	72-03-06	0915	1.3	233	B	0.82
69-05-06	1040	9.1		173	B	4.3	72-03-20	0905	1.2	112	B	0.36
69-05-06	1425	385		22400	B	23300	72-04-03	0920	1.1	178	B	0.53
69-05-06	1450	436		16700	B	19700	72-04-17	0910	1.3	46	B	0.16
69-05-06	1505	446		13100	B	15800	72-04-24	0955	0.90	144	B	0.35
69-05-06	1545	467		14500	B	18300	72-04-27	0050	92	14900	B	3700
69-05-06	1605	473		15100	B	19300	72-04-27	0110	66	6530	B	1160
69-05-06	1705	479		14800	B	19100	72-04-27	0135	41	3700	B	410
69-05-06	1830	453		10300	B	12600	72-04-27	0210	31	2620	B	219
69-05-06	2005	334		7620	B	6870	72-04-27	0250	26	3910	B	274
69-05-06	2255	195		3870	B	2040	72-04-27	0315	81	11100	B	2430
69-05-07	0100	133		2460	B	883	72-04-27	0355	116	13900	B	4350
69-05-07	0300	93		1790	B	449	72-04-27	0510	116	18400	B	5760
69-05-07	0650	53		773	B	111	72-04-27	0535	115	17100	B	5310
69-05-08	1040	14		155	B	5.9	72-04-27	0605	116	10100	B	3160
69-05-12	0825	26		728	B	51	72-04-27	0700	99	7180	B	1920
69-06-14	0245	84		4350	B	987	72-04-27	0910	58	3250	B	509
69-06-14	0410	89		5330	B	1280	72-04-27	1130	36	1980	B	192
69-06-14	0620	38		4700	B	482	72-04-27	1550	16	1210	B	52
69-06-14	1525	20		320	B	17	72-04-27	2150	9.0	436	B	11
69-06-16	0910	2.4		183	B	1.2	72-04-28	1305	4.5	143	B	1.7
69-09-16	1255	2.4		714	B	4.6	72-04-30	0010	45	3810	B	463
69-09-22	0850	1.0		115	B	0.31	72-04-30	0030	74	5940	B	1190
69-09-23	0100	0.40		166	B	0.18	72-04-30	0050	79	7920	B	1690
69-09-23	0630	5.5		745	B	11	72-04-30	0110	65	8010	B	1410
69-09-23	0940	2.1		290	B	1.6	72-04-30	0130	49	4990	B	660
70-01-02	1055	1.1		15	B	0.04	72-04-30	0150	44	3600	B	428
70-01-26	1015	1.4		41	B	0.15	72-04-30	0210	73	3670	B	723
70-03-02	0955	1.6		142	B	0.61	72-04-30	0235	84	7060	B	1600
70-03-06	1100	7.5		162	B	3.3	72-04-30	0350	79	5610	B	1200
70-03-06	1440	13		597	B	21	72-04-30	0500	108	8200	B	2390
70-03-09	1105	2.9		130	B	1.0	72-04-30	0530	105	7530	B	2130
70-03-30	1005	3.8		96	B	0.98	72-04-30	0615	88	5320	B	1260
70-04-17	1035	4.5		100	B	1.2	72-04-30	0815	55	3110	B	462
70-04-30	0640	41		1330	B	147	72-04-30	0950	41	2100	B	232
70-04-30	0805	49		1970	B	261	72-04-30	1305	24	1000	B	65
70-04-30	1000	40		1580	B	171	72-04-30	1750	14	400	B	15
70-04-30	1355	22		583	B	35	72-05-01	0820	5.8	177	B	2.8
70-04-30	2020	10.0		220	B	5.9	72-05-08	0810	1.5	300	B	1.2
70-05-01	1010	5.0		110	B	1.5	72-05-12	0450	7.9	363	B	7.7
70-05-04	1055	2.2		156	B	0.93	72-05-12	0810	29	1790	B	140
70-05-15	0115	62		2340	B	392	72-05-12	1315	29	1060	B	83
70-05-15	0630	29		974	B	76	72-05-12	1835	16	400	B	17
70-05-15	1000	18		454	B	22	72-05-12	2250	10.0	188	B	5.1
70-05-18	1005	1.3		88	B	0.31	72-05-15	0835	2.1	208	B	1.2
70-06-11	1505	0.70		96	B	0.18	72-05-22	0830	0.60	224	B	0.36
70-06-20	2315	84		1880	B	426	72-05-29	0845	21	1110	B	63
70-06-20	2330	137		5520	B	2040	72-05-29	0945	19	3510	B	180
70-06-20	2345	166		6750	B	3030	72-05-29	1045	51	4010	B	552
70-06-21	0005	162		5280	B	2310	72-05-29	1145	36	3010	B	293
70-06-21	0100	83		3770	B	845	72-05-29	1345	36	2000	B	194
70-06-22	0900	1.3		40	B	0.14	72-05-29	1500	32	1600	B	138
70-09-22	2335	22		4800	B	285	72-05-29	1700	22	1100	B	65
70-09-23	0930	2.6		334	B	2.3	72-05-29	2145	15	500	B	20
71-05-10	0900	0.90		255	B	0.62	72-05-30	0835	4.9	85	B	1.1
71-05-31	2225	418		14300	B	16100	72-06-05	0830	0.40	218	B	0.24
71-05-31	2315	475		14000	B	18000	72-06-19	0815	0.10	150	B	0.04
71-06-01	0005	593		14300	B	22900	72-10-31	1030	3.6	1770	B	17
71-06-01	0110	566		10900	B	16700	72-10-31	1305	200	4000	B	2160
71-06-01	0240	192		7970	B	4130	72-10-31	1745	35	2590	B	245
71-06-01	0840	30		1330	B	108	72-11-01	1050	5.0	95	B	1.3
71-06-01	1520	15		281	B	11	72-11-06	0930	0.70	526	B	0.99
71-06-03	0955	3.2		53	B	0.46	72-11-13	0920	2.2	360	B	2.1
71-08-09	0915	0.30		120	B	0.10	72-11-27	0920	1.3	300	B	1.1
71-08-14	1005	31		2880	B	241	72-12-18	0935	1.3	180	B	0.63
71-08-16	0850	0.20		65	B	0.04	73-01-02	0930	1.4	186	B	0.70
71-09-24	0845	0.10		208	B	0.06	73-01-22	1020	5.3	148	B	2.1
71-09-24	1425	5.6		1810	B	27	73-01-26	1025	12	465	B	15
71-09-24	1805	25		4270	B	288	73-01-29	0935	2.5	228	B	1.5
71-10-02	2200	113		8870	B	2710	73-02-05	0920	2.5	189	B	1.3
71-10-02	2250	196		13100	B	6930	73-02-23	0955	2.7	250	B	1.8
71-10-02	2340	326		13400	B	11800	73-03-05	0920	3.1	275	B	2.3
71-10-03	0115	437		9710	B	11500	73-03-06	0720	11	900	B	27
71-10-03	0720	59		1160	B	185	73-03-06	0850	18	1800	B	87
71-10-04	0905	8.1		98	B	2.1	73-03-06	1630	15	395	B	16
71-10-05	0955	4.5		100	B	1.2	73-03-07	0945	6.0	108	B	1.7
71-10-12	0945	1.4		215	B	0.81	73-03-08	0950	5.3	160	B	2.3
71-10-26	0905	1.1		325	B	0.97	73-03-10	0910	144	13100	B	5090
71-11-08	0930	1.0		405	B	1.1	73-03-10	1350	78	3540	B	746
71-11-22	1500	1.7		181	B	0.83	73-03-12	0945	7.3	174	B	3.4
71-12-06	0935	4.8		278	B	3.6	73-03-19	1030	3.2	85	B	0.73
71-12-15	1025	16		166	B	7.2	73-03-23	1440	4.6	220	B	2.7
71-12-16	1050	6.4		70	B	1.2	73-03-23	1815	8.4	2800	B	64
71-12-20	0935	3.7		212	B	2.1	73-03-23	2030	24	2200	B	143
71-12-27	0935	3.2		165	B	1.4	73-03-23	2230	81	6220	B	1360
72-01-10	0930	2.7		212	B	1.5	73-03-24	0130	157	8540	B	3620
72-01-24	0910	2.1		202	B	1.1	73-03-24	1200	29	3010	B	236
72-02-07	1010	2.0		82	B	0.44	73-03-24	1415	22	1500	B	89

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-03-24		1615	24	1200	B	78					
73-03-24		1815	92	3810	B	946					
73-03-24		2030	100	4110	B	1110					
73-03-24		2230	82	3010	B	666					
73-03-25		0130	60	1500	B	243					
73-03-25		1100	23	425	B	26					
73-03-26		0940	10.0	115	B	3.1					
73-03-30		1750	19	423	B	22					
73-03-30		1830	26	900	B	63					
73-03-30		1930	29	1600	B	125					
73-03-30		2100	23	1100	B	68					
73-03-30		2200	21	1900	B	108					
73-03-30		2330	19	1900	B	97					
73-03-31		0130	17	1100	B	50					
73-03-31		0500	15	400	B	16					
73-04-02		1630	6.8	90	B	1.7					
73-04-09		0930	7.9	184	B	3.9					
73-04-15		1745	19	1000	B	51					
73-04-15		1930	29	2500	B	196					
73-04-15		2145	36	2000	B	194					
73-04-15		2245	32	1100	B	95					
73-04-16		0245	26	600	B	42					
73-04-16		0935	16	177	B	7.6					
73-04-23		0925	11	154	B	4.6					
73-04-30		0840	3.0	233	B	1.9					
73-05-07		0835	3.8	225	B	2.3					
73-05-23		0005	53	2120	B	303					
73-05-23		0100	75	6520	B	1320					
73-05-23		0205	130	10800	B	3790					
73-05-23		0300	145	10300	B	4030					
73-05-23		0350	156	10700	B	4510					
73-05-23		0445	123	7840	B	2600					
73-05-23		0630	64	4210	B	727					
73-05-23		0920	43	2000	B	232					
73-05-24		0840	5.1	140	B	1.9					
73-05-29		0815	1.2	198	B	0.64					
73-05-31		0645	48	2800	B	363					
73-05-31		0725	115	6530	B	2030					
73-05-31		0855	130	9660	B	3390					
73-05-31		1000	103	6630	B	1840					
73-05-31		1050	88	3860	B	917					
73-05-31		1530	48	1200	B	156					
73-05-31		2230	18	300	B	15					
73-06-01		0940	19	3560	B	183					
73-06-01		1055	86	5680	B	1320					
73-06-01		1150	63	3210	B	546					
73-06-01		1250	95	5220	B	1340					
73-06-01		1345	142	7640	B	2930					
73-06-02		0535	754	9220	B	18800					
73-06-02		0620	821	8030	B	17800					
73-06-02		0820	1080	3650	B	10600					
73-06-02		1045	368	4450	B	4420					
73-06-02		1130	259	3910	B	2730					
73-06-02		1340	194	3350	B	1750					
73-06-02		1745	105	1500	B	425					
73-06-03		0810	30	325	B	26					
73-06-11		0835	3.8	491	B	5.0					
73-06-18		1955	67	2630	B	476					
73-06-18		2010	62	4160	B	696					
73-06-18		2100	43	2600	B	302					
73-06-18		2130	39	1100	B	116					
73-06-18		2320	29	800	B	63					
73-06-19		0030	33	2200	B	196					
73-06-19		0245	18	800	B	39					
73-06-19		0910	8.8	230	B	5.5					
73-06-25		0845	1.7	230	B	1.1					
73-07-09		0830	0.40	275	B	0.30					
73-07-16		0850	1.7	73	B	0.34					
73-07-23		0730	173	2230	B	1040					
73-07-23		0905	116	3010	B	943					
73-07-23		1005	85	2000	B	459					
73-07-23		1215	50	1000	B	135					
73-07-23		1845	19	400	B	21					
73-07-24		1025	7.0	154	B	2.9					
73-07-30		0845	3.6	130	B	1.3					
73-08-13		0830	0.90	165	B	0.40					
73-08-27		0830	0.10	160	B	0.04					
73-09-06		1245	16	500	B	22					
73-09-06		1500	32	1100	B	95					
73-09-06		1545	35	1200	B	113					
73-09-07		0700	13	600	B	21					
73-09-10		0840	2.8	100	B	0.76					
73-09-13		1050	6.3	923	B	16					
73-09-17		0835	2.2	160	B	0.95					
73-09-26		1610	15	700	B	28					
73-09-26		1715	61	2800	B	461					
73-09-26		1815	74	2600	B	519					
73-09-26		2030	58	2100	B	329					
73-09-26		2220	54	1200	B	175					
73-09-27		0120	45	800	B	97					
73-09-27		0925	19	110	B	5.6					
73-10-01		0845	3.1	200	B	1.7					
73-10-09		0825	3.1	271	B	2.3					
73-10-11		0605	20	500	B	27					
73-10-11		0650	30	1300	B	105					
73-10-11		0930	28	1160	B	88					
73-10-11		1230	27	700	B	51					
73-10-11		1700	23	300	B	19					
73-10-15		0825	6.2	235	B	3.9					
73-10-23		0840	2.8	130	B	0.98					
73-11-06		0920	2.6	93	B	0.65					
73-11-19		0930	2.9	286	B	2.2					
73-11-26		0920	7.6	138	B	2.8					
73-12-03		0910	5.0	35	B	0.47					
73-12-17		0930	3.6	192	B	1.9					
74-01-14		0825	3.7	157	B	1.6					
74-01-28		0835	3.4	189	B	1.7					
74-02-11		0810	2.6	152	B	1.1					
74-02-21		0810	104	1570	B	441					
74-02-25		0845	4.8	229	B	3.0					
74-03-08		0820	4.1	41	B	0.45					
74-03-08		1805	21	5880	B	333					
74-03-08		1830	21	14100	B	799					
74-03-08		1930	144	20700	B	8050					
74-03-08		1950	138	15800	B	5890					
74-03-08		2005	135	12100	B	4410					
74-03-08		2030	150	10200	B	4130					
74-03-08		2050	167	8890	B	4010					
74-03-08		2110	178	9360	B	4500					
74-03-08		2135	179	12500	B	6040					
74-03-08		2205	171	11000	B	5080					
74-03-08		2240	158	9000	B	3840					
74-03-08		2335	143	9490	B	3660					
74-03-09		0100	128	6930	B	2400					
74-03-09		0400	68	4210	B	773					
74-03-09		0715	39	3110	B	327					
74-03-09		1330	20	1350	B	73					
74-03-10		1445	22	1200	B	71					
74-03-10		1545	81	3410	B	746					
74-03-10		1645	133	4910	B	1760					
74-03-10		1725	186	7330	B	3680					
74-03-10		1830	257	10100	B	7010					
74-03-10		1945	269	15500	B	11300					
74-03-10		2010	261	11300	B	7960					
74-03-10		2050	239	9150	B	5900					
74-03-10		2215	184	7230	B	3590					
74-03-11		0805	34	360	B	33					
74-04-01		0825	3.7	96	B	0.96					
74-04-11		0635	26	1100	B	77					
74-04-11		0655	32	5320	B	460					
74-04-11		0735	41	5120	B	567					
74-04-11		0815	41	2700	B	299					
74-04-11		0910	38	868	B	89					
74-04-15		0830	3.0	112	B	0.91					
74-04-29		0855	5.0	138	B	1.9					
74-04-30		0215	37	280	B	28					
74-04-30		0315	55	2000	B	297					
74-04-30		0350	68	5420	B	995					
74-04-30		0415	93	6530	B	1640					
74-04-30		0500	123	5520	B	1830					
74-04-30	</										

## RED RIVER BASIN

07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.--CONTINUED

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)
74-05-31	1715	37		1100	B 110	75-06-24	1915	192		4310	B 2230
74-06-03	0855	3.3		182	B 1.6	75-06-24	1930	212		3910	B 2240
74-06-10	0840	2.0		250	B 1.4	75-06-24	2000	330		9050	B 8060
74-08-27	0800	7.7		310	B 6.4	75-06-24	2030	444		11000	B 13200
74-08-27	0905	24		4810	B 312	75-06-24	2105	567		9350	B 14300
74-08-27	0950	39		2900	B 305	75-06-24	2155	627		7640	B 12900
74-08-27	1030	40		2200	B 238	75-06-24	2220	634		6630	B 11300
74-09-04	1310	0.10		272	B 0.07	75-06-24	2310	622		6020	B 10100
74-09-18	0830	0.30		281	B 0.23	75-06-24	2355	526		5520	B 7840
74-09-30	0840	0.30		90	B 0.07	75-06-25	0130	261		4810	B 3390
74-10-16	0835	0.60		165	B 0.27	75-06-25	0330	138		3610	B 1350
74-10-30	1015	1.1		80	B 0.24	75-06-25	1005	49		808	B 107
74-11-02	0850	117		1950	B 616	75-06-25	1800	27		500	B 36
74-11-02	0950	180		5420	B 2630	75-06-26	1000	15		218	B 8.8
74-11-02	1105	207		7330	B 4100	75-07-08	1000	2.7		193	B 1.4
74-11-02	1235	138		6320	B 2350	75-07-22	0825	1.6		474	B 2.0
74-11-02	1635	30		1900	B 154	75-07-24	0820	150		6080	B 2460
74-11-02	2030	16		1000	B 43	75-07-24	0830	159		5340	B 2290
74-11-03	0300	8.9		300	B 7.2	75-07-24	0900	181		4310	B 2110
74-11-04	1320	7.8		179	B 3.8	75-07-24	0925	188		3970	B 2020
74-11-12	1000	3.2		100	B 0.86	75-07-24	1030	169		4610	B 2100
74-11-26	1425	2.4		80	B 0.52	75-07-24	1235	129		2000	B 697
74-12-10	1050	3.4		70	B 0.64	75-07-24	1445	101		2000	B 545
75-01-02	1115	39		785	B 83	75-07-24	1845	101		2000	B 545
75-01-21	1010	3.3		83	B 0.74	75-07-25	0040	60		1200	B 194
75-01-31	0925	19		136	B 7.0	75-07-25	0955	25		300	B 20
75-02-18	1105	6.6		96	B 1.7	75-07-26	1240	23		400	B 25
75-03-04	0845	4.2		265	B 3.0	75-07-26	1845	46		1500	B 186
75-03-18	0945	14		284	B 11	75-07-26	2045	79		1500	B 320
75-03-27	0855	25		2000	B 135	75-07-27	0045	40		700	B 76
75-03-27	1040	26		1400	B 98	75-07-27	1030	23		300	B 19
75-03-27	1200	24		1100	B 71	75-07-29	1615	25		850	B 57
75-03-27	2245	11		600	B 18	75-07-29	1700	48		1600	B 207
75-04-01	0845	4.8		45	B 0.58	75-07-29	1715	88		3810	B 905
75-04-07	2120	22		1570	B 93	75-07-29	1730	133		7030	B 2520
75-04-07	2320	40		2800	B 302	75-07-29	1800	208		6830	B 3840
75-04-08	0030	44		3610	B 429	75-07-29	1830	284		6430	B 4930
75-04-08	0200	37		3210	B 321	75-07-29	1910	434		6530	B 7650
75-04-08	0955	21		600	B 34	75-07-29	1935	453		6020	B 7360
75-04-15	0845	5.3		155	B 2.2	75-07-29	2010	425		4810	B 5520
75-04-29	0855	2.6		150	B 1.1	75-07-29	2045	380		3710	B 3810
75-05-03	0750	43		565	B 66	75-07-29	2245	249		3110	B 2090
75-05-13	2120	23		1520	B 94	75-07-30	0045	150		2770	B 1120
75-05-13	2225	28		3090	B 234	75-07-30	0245	100		2000	B 540
75-05-14	0030	23		2070	B 129	75-07-30	0445	71		1300	B 249
75-05-14	0640	25		900	B 61	75-07-30	0835	42		385	B 44
75-05-14	0750	40		1300	B 140	75-08-02	1630	15		500	B 20
75-05-14	0920	76		2800	B 575	75-08-02	1800	25		1000	B 67
75-05-14	1020	86		3710	B 861	75-08-02	1830	26		1400	B 98
75-05-14	1220	80		3110	B 672	75-08-02	1900	27		1000	B 73
75-05-14	1510	67		2200	B 398	75-08-02	2000	28		500	B 38
75-05-14	1810	47		900	B 114	75-08-03	0700	14		200	B 7.6
75-05-14	2235	28		600	B 45	75-08-04	0850	7.1		125	B 2.4
75-05-15	0400	18		400	B 19	75-08-19	0920	2.5		288	B 1.9
75-05-16	0820	5.6		115	B 1.7	75-09-03	0840	0.80		143	B 0.31
75-05-22	2020	27		918	B 67	75-09-15	1205	2.3		125	B 0.78
75-05-22	2125	78		3460	B 729	75-09-29	0945	1.2		230	B 0.75
75-05-22	2315	156		4610	B 1940	75-10-15	0845	11		275	B 8.2
75-05-23	0140	222		4010	B 2400	75-10-29	0955	1.4		215	B 0.81
75-05-23	0340	211		3510	B 2000	75-11-10	0945	2.0		308	B 1.7
75-05-23	0850	97		1310	B 343	75-11-24	1015	2.6		231	B 1.6
75-05-23	1230	59		1000	B 159	75-12-08	1000	2.6		170	B 1.2
75-05-23	1630	38		500	B 51	75-12-22	0950	2.9		100	B 0.78
75-05-23	2245	21		400	B 23	76-01-05	1035	3.2		144	B 1.2
75-05-24	0830	13		128	B 4.5	76-01-19	0950	3.2		175	B 1.5
75-05-27	0820	5.5		103	B 1.5	76-02-02	1000	2.9		190	B 1.5
75-05-28	0840	36		753	B 73	76-02-18	1010	2.9		120	B 0.94
75-05-28	1415	49		1500	B 198	76-03-01	1000	2.8		175	B 1.3
75-05-28	1800	43		500	B 58	76-03-08	1040	27		395	B 29
75-05-29	0515	30		500	B 40	76-03-15	1020	4.7		122	B 1.5
75-05-29	0715	56		900	B 136	76-03-29	1050	3.3		140	B 1.2
75-05-29	0910	82		1830	B 405	76-04-12	1000	2.9		110	B 0.86
75-05-29	1200	94		2070	B 525	76-04-15	0830	15		390	B 16
75-05-29	1530	81		1100	B 241	76-04-15	0930	22		1130	B 67
75-05-29	1945	56		700	B 106	76-04-15	1030	23		716	B 44
75-05-29	2355	37		500	B 50	76-04-15	1415	19		680	B 35
75-05-30	0810	24		257	B 17	76-04-15	2000	15		365	B 15
75-06-10	1000	13		222	B 7.8	76-04-16	1020	23		350	B 22
75-06-22	0500	18		500	B 24	76-04-17	1020	16		428	B 18
75-06-22	0800	42		3760	B 426	76-04-17	1120	27		1070	B 78
75-06-22	1100	23		2000	B 124	76-04-17	1200	34		1590	B 146
75-06-22	1330	20		1000	B 54	76-04-17	1300	42		1570	B 178
75-06-22	1530	20		500	B 27	76-04-17	1500	38		1790	B 184
75-06-24	1545	25		682	B 46	76-04-17	1625	35		1700	B 161
75-06-24	1620	38		2000	B 205	76-04-17	1820	30		800	B 65
75-06-24	1700	96		6020	B 1560	76-04-17	2310	21		400	B 23
75-06-24	1730	144		4610	B 1790	76-04-19	0700	30		1200	B 97
75-06-24	1800	181		5820	B 2840	76-04-19	0745	46		2360	B 293
75-06-24	1820	187		6630	B 3350	76-04-19	0835	66		4030	B 718

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## RED RIVER BASIN

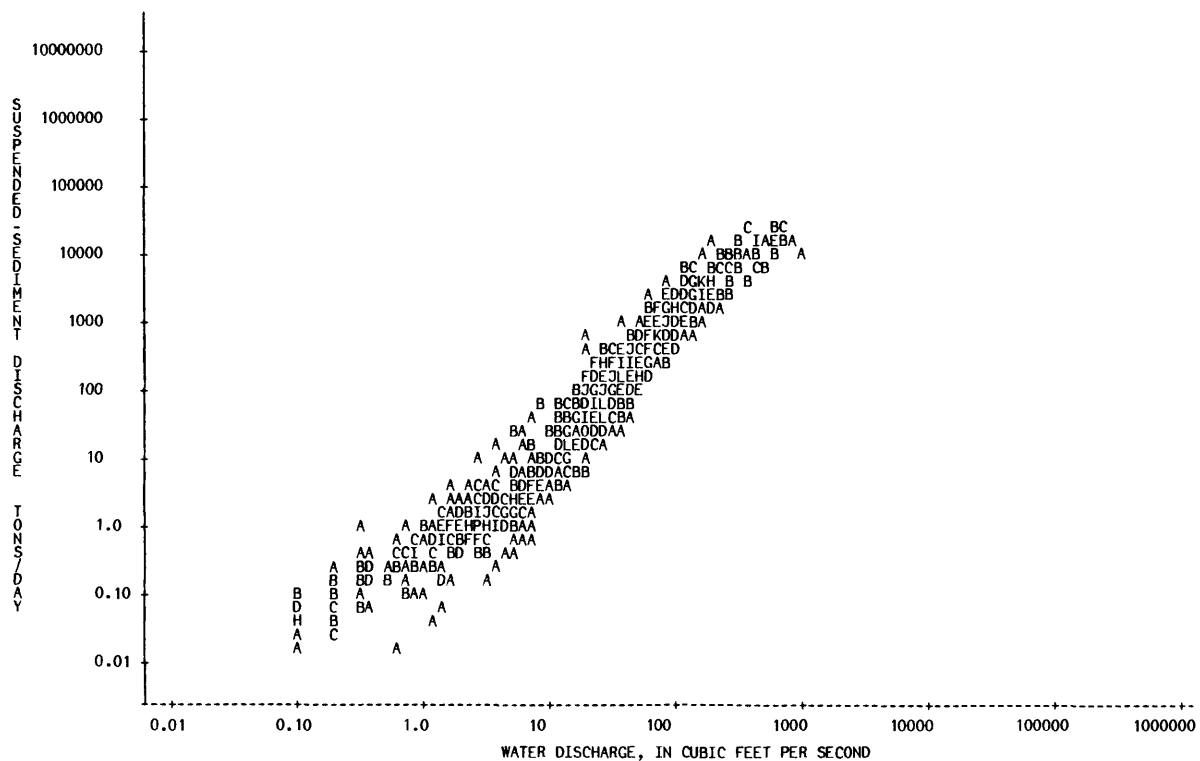
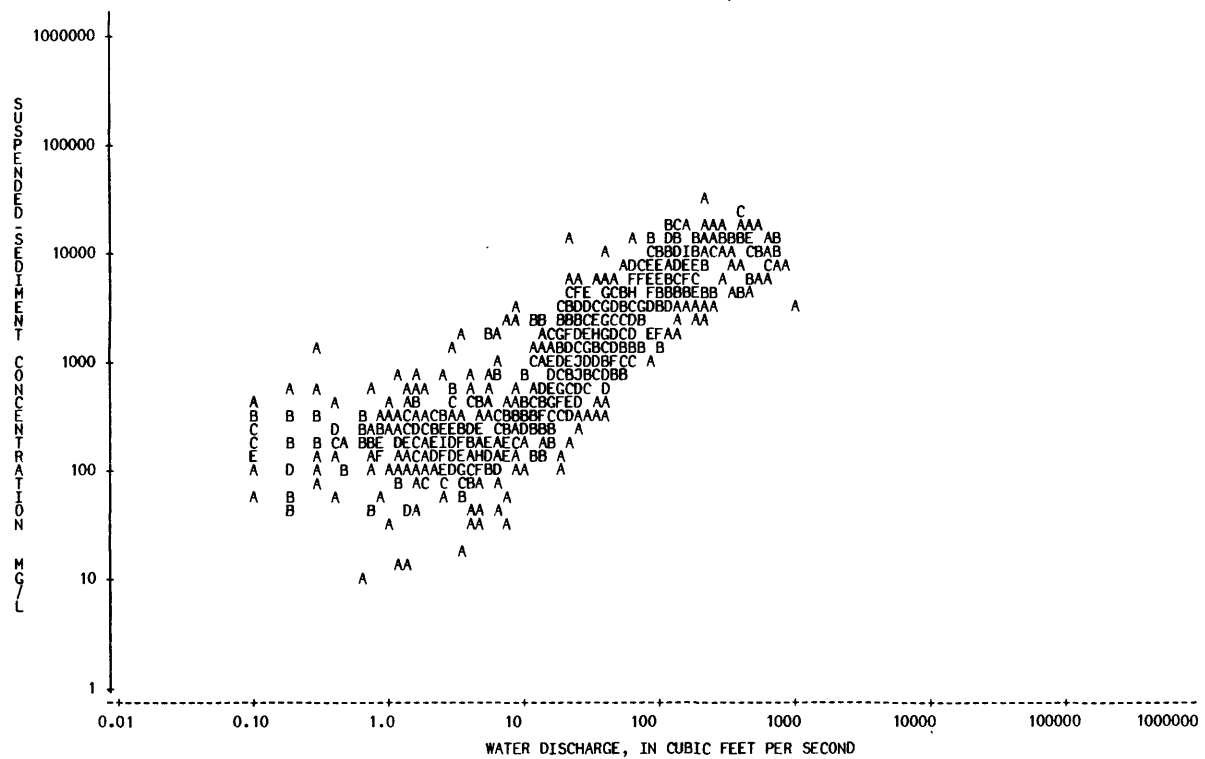
07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.--CONTINUED

635

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-04-19	0925	73	3540	B	698	77-05-02	0350	56	1170	B	177
76-04-19	1315	59	2010	B	320	77-05-02	0450	51	910	B	125
76-04-19	1755	33	900	B	80	77-05-02	0605	50	892	B	120
76-04-19	2205	26	750	B	53	77-05-02	0720	55	1150	B	171
76-04-20	1000	18	600	B	29	77-05-02	1030	34	1000	B	92
76-04-26	0900	3.9	178	B	1.9	77-05-02	1430	26	600	B	42
76-04-28	1230	14	359	B	14	77-05-03	0850	9.4	375	B	9.5
76-04-28	1345	19	871	B	45	77-05-04	0105	20	500	B	27
76-04-28	1600	22	560	B	33	77-05-04	0145	32	1600	B	138
76-04-29	0330	14	362	B	14	77-05-04	0305	31	1950	B	163
76-05-10	0845	3.6	108	B	1.0	77-05-04	0635	29	1200	B	94
76-05-24	0840	3.3	105	B	0.94	77-05-04	0850	26	675	B	47
76-05-31	0330	15	543	B	22	77-05-04	1215	20	500	B	27
76-05-31	0420	34	1670	B	153	77-05-06	0130	14	600	B	23
76-05-31	0500	42	2610	B	296	77-05-06	0615	16	800	B	35
76-05-31	0600	44	1990	B	236	77-05-06	1200	14	500	B	19
76-05-31	0715	38	1410	B	145	77-05-10	0855	3.0	420	B	3.4
76-05-31	0905	34	841	B	77	77-05-19	1645	16	1060	B	46
76-05-31	1005	32	424	B	37	77-05-19	1705	25	2800	B	189
76-05-31	1330	20	294	B	16	77-05-19	1725	31	3870	B	324
76-06-01	0905	5.0	160	B	2.2	77-05-19	1745	60	5970	B	967
76-06-07	0900	2.1	328	B	1.9	77-05-19	1905	194	6750	B	3540
76-06-21	0820	0.80	309	B	0.67	77-05-20	1000	45	1050	B	128
76-06-24	0205	14	897	B	34	77-05-20	1400	27	700	B	51
76-06-24	0320	25	1700	B	115	77-05-20	1800	19	600	B	31
76-06-24	0345	24	2900	B	188	77-05-20	2000	31	1500	B	126
76-06-24	0425	20	1950	B	105	77-05-20	2145	109	4810	B	1420
76-06-24	0505	23	1300	B	81	77-05-21	0150	77	3410	B	709
76-06-24	0605	38	1900	B	195	77-05-21	0400	60	1700	B	275
76-06-24	0755	39	4490	B	473	77-05-21	0600	50	1000	B	135
76-06-24	0850	30	4090	B	331	77-05-21	0800	41	800	B	89
76-06-24	1100	19	1660	B	85	77-05-21	1320	26	460	B	32
76-06-24	1300	24	750	B	49	77-05-23	1205	5.4	378	B	5.5
76-06-24	1500	24	1030	B	67	77-05-27	0030	16	869	B	38
76-06-24	1700	18	470	B	23	77-05-27	0130	20	1700	B	92
76-06-24	1900	14	360	B	14	77-05-27	0215	30	2400	B	194
76-07-06	0825	0.60	247	B	0.40	77-05-27	0315	41	2500	B	277
76-07-19	0905	0.40	270	B	0.29	77-05-27	0430	41	2950	B	327
76-08-02	0825	0.10	164	B	0.04	77-05-27	0605	37	2950	B	295
76-08-04	1005	19	1360	B	70	77-05-27	0800	78	3610	B	760
76-08-04	1025	24	3650	B	237	77-05-27	0845	99	5520	B	1480
76-08-04	1045	25	5080	B	343	77-05-27	1015	174	6200	B	2910
76-08-04	1125	22	3830	B	228	77-05-31	0845	206	2550	B	1420
76-08-04	1145	23	2610	B	162	77-05-31	1345	480	4520	B	5860
76-08-04	1205	45	3420	B	416	77-06-01	1015	26	400	B	28
76-08-04	1225	62	4840	B	810	77-06-14	0910	2.8	555	B	4.2
76-08-04	1245	71	5090	B	976	77-06-28	0900	1.7	550	B	2.5
76-08-04	1330	64	4940	B	854	77-07-12	0835	0.60	345	B	0.56
76-08-04	1430	43	4840	B	562	77-07-26	0835	0.20	300	B	0.16
76-08-04	1525	25	3720	B	251	77-08-09	0845	0.10	300	B	0.08
76-08-04	1645	13	2140	B	75	77-08-23	0845	0.10	245	B	0.07
76-08-06	0825	1.6	45	B	0.19	77-08-29	0425	17	900	B	41
76-08-16	0810	0.10	135	B	0.04	77-08-29	0440	26	2000	B	140
76-08-30	0840	0.10	108	B	0.03	77-08-29	0505	26	3410	B	239
76-09-13	0540	13	1750	B	61	77-08-29	0535	20	2600	B	140
76-09-13	0745	10.0	820	B	22	77-08-29	0600	17	2000	B	92
76-09-27	0920	0.20	165	B	0.09	77-08-29	0710	32	1500	B	130
76-10-12	0945	0.20	102	B	0.06	77-08-29	0730	36	2100	B	204
76-10-26	0855	0.40	264	B	0.29	77-08-29	0800	35	3510	B	332
76-11-08	0905	0.70	197	B	0.37	77-08-29	0830	30	3910	B	317
76-11-22	1005	0.90	143	B	0.35	77-08-29	0905	23	3610	B	224
76-12-06	1035	1.7	140	B	0.64	77-08-29	0935	18	3110	B	151
76-12-20	1020	1.1	165	B	0.49	77-09-07	0840	0.20	157	B	0.08
77-01-03	1005	1.4	162	B	0.61	77-09-19	0900	0.10	150	B	0.04
77-01-18	1110	0.80	136	B	0.29	77-10-04	0850	0.10	140	B	0.04
77-01-31	1030	1.3	167	B	0.59	77-10-18	0835	0.10	144	B	0.04
77-02-15	1030	3.0	197	B	1.6	77-11-01	1000	0.20	100	B	0.05
77-02-28	0955	2.5	113	B	0.76	77-11-29	1000	0.70	47	B	0.09
77-03-16	1005	1.8	234	B	1.1	77-12-13	1005	1.0	32	B	0.09
77-03-29	0940	2.3	223	B	1.4						
77-04-12	1000	1.3	372	B	1.3						
77-04-20	2035	9.2	2670	B	66						
77-04-20	2055	22	4310	B	256						
77-04-20	2115	60	13200	B	2140						
77-04-20	2135	234	16800	B	10600						
77-04-20	2215	584	16000	B	25200						
77-04-20	2235	698	15300	B	28800						
77-04-20	2300	768	13500	B	28000						
77-04-20	2340	736	11300	B	22500						
77-04-21	1025	46	1150	B	143						
77-04-21	1750	21	750	B	43						
77-04-21	2200	16	453	B	20						
77-04-26	0840	4.0	456	B	4.9						
77-05-01	2350	58	1750	B	274						
77-05-02	0015	84	5060	B	1150						
77-05-02	0115	96	3660	B	949						
77-05-02	0135	92	2980	B	740						
77-05-02	0215	80	2050	B	443						
77-05-02	0300	65	1570	B	276						

\*\*\*\*\*  
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07327040 DELAWARE CREEK NEAR ANADARKO, OKLA.





## RED RIVER BASIN

07327150 SALT CREEK NEAR CHICKASHA, OKLA.

LOCATION.--Lat 35°08'44", long 97°57'03", in NW 1/4 sec.28, T.8 N., R.7 W., Grady County, Hydrologic Unit 11130302, 0.5 mi (0.8 km) east of U.S. Highway 81.

DRAINAGE AREA.--23.8 mi<sup>2</sup> (60.9 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1967-78.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-04-09	1830	14	3920	B	148	68-05-11	0735	0.60	153	B	0.25
67-04-09	1920	14	2230	B	84	68-05-15	0920	1.9	815	B	4.2
67-04-10	0850	10.0	2470	B	67	68-05-21	1255	0.30	870	B	0.70
67-04-10	0950	15	1600	B	65	68-05-25	1245	12	1600	B	52
67-04-10	1035	24	2790	B	181	68-05-26	0520	13	1130	B	40
67-04-10	1115	23	2470	B	153	68-05-27	0805	1.2	561	B	1.8
67-04-10	1505	12	1730	B	56	68-06-01	1620	51	5030	B	693
67-04-12	0530	1970	7060	B	37600	68-06-01	1650	54	4350	B	634
67-04-12	0550	2400	5440	B	35300	68-06-01	1735	50	3340	B	451
67-04-12	0850	3880	2380	B	24900	68-06-02	0805	4.6	794	B	9.9
67-04-12	1030	2200	2750	B	16300	68-06-15	1915	33	2860	B	255
67-04-12	1310	223	4190	B	2520	68-06-16	1220	8.5	734	B	17
67-04-12	1425	75	4460	B	903	68-06-17	0825	0.70	325	B	0.61
67-04-12	1555	45	4000	B	486	68-07-01	1645	15	2350	B	95
67-04-13	0910	154	7610	B	3160	68-07-01	1730	20	1700	B	92
67-04-13	1325	55	2340	B	347	68-07-01	1900	11	1350	B	40
67-04-14	1440	8.0	448	B	9.7	68-07-02	0635	0.40	510	B	0.55
67-05-05	1110	19	1280	B	66	68-07-08	0755	0.10	380	B	0.10
67-05-05	2125	91	9120	B	2240	68-07-15	0815	0.10	240	B	0.06
67-05-05	2230	80	5560	B	1200	68-10-09	0815	2.7	2320	B	17
67-05-05	2335	57	2820	B	434	68-11-15	0850	2.9	742	B	5.8
67-05-08	1535	1.3	215	B	0.75	68-11-15	1335	59	2120	B	338
67-05-20	1410	0.60	297	B	0.48	68-11-15	1525	49	1450	B	192
67-05-31	1235	0.40	133	B	0.14	68-11-16	1230	2.9	928	B	7.3
67-06-26	1315	2.3	790	B	4.9	68-11-18	0950	0.40	437	B	0.47
67-07-03	1645	0.10	135	B	0.04	68-11-25	0935	0.10	46	B	0.01
67-07-10	1540	0.10	210	B	0.06	68-11-26	1415	2.1	2660	B	15
67-09-05	1340	6.1	1460	B	24	68-11-26	1600	3.4	3270	B	30
67-09-21	0825	1.1	793	B	2.4	68-11-27	0915	18	887	B	43
67-09-27	1300	5.2	3820	B	54	68-11-29	1010	5.6	628	B	9.5
67-10-07	0725	410	15200	B	16800	68-12-16	0915	0.20	93	B	0.05
67-10-07	0805	593	9260	B	14800	69-02-14	1350	0.90	33	B	0.08
67-10-07	0900	702	7910	B	15000	69-02-20	0920	0.70	264	B	0.50
67-10-07	0915	706	7660	B	14600	69-02-24	0910	0.80	53	B	0.11
67-10-07	1045	631	6870	B	11700	69-03-24	0910	8.0	1630	B	35
67-10-07	1315	298	4610	B	3710	69-03-24	1445	4.5	1130	B	14
67-10-07	1415	193	4230	B	2200	69-03-25	1340	2.1	570	B	3.2
67-10-07	1615	97	3600	B	943	69-04-16	2320	282	8610	B	6560
67-10-08	1120	4.4	1700	B	20	69-04-16	2340	298	7700	B	6200
67-10-09	0840	0.80	885	B	1.9	69-04-17	0030	379	9680	B	9910
67-10-16	1350	0.10	66	B	0.02	69-04-17	0135	438	7430	B	8790
67-10-30	1325	0.20	42	B	0.02	69-04-17	0220	430	5940	B	6900
68-03-19	1105	0.50	146	B	0.20	69-04-17	0625	188	4850	B	2460
68-04-19	0150	236	17300	B	11000	69-04-17	0755	129	3990	B	1390
68-04-19	0220	274	11300	B	8360	69-04-17	1225	45	2130	B	259
68-04-19	0330	322	6390	B	5560	69-04-17	1615	25	1510	B	102
68-04-19	0430	334	6700	B	6040	69-04-18	1325	4.0	220	B	2.4
68-04-19	0510	343	6640	B	6150	69-04-21	0900	1.0	91	B	0.25
68-04-19	0640	305	4740	B	3900	69-04-26	1730	65	5190	B	911
68-04-19	0830	162	3210	B	1400	69-04-26	2140	135	4410	B	1610
68-04-19	1505	24	1940	B	126	69-04-26	2230	182	4610	B	2270
68-04-20	0915	2.4	768	B	5.0	69-04-26	2335	221	4250	B	2540
68-04-22	1400	1.0	180	B	0.49	69-04-27	0035	227	3690	B	2260

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-04-27	0845	42	1470	B	167	70-06-08	0805	0.80	135	B	0.29
69-04-27	1630	16	787	B	34	70-06-11	1840	249	15400	B	10400
69-04-28	0845	4.6	235	B	2.9	70-06-11	1935	697	5120	B	9640
69-05-04	1155	44	1310	B	156	70-06-11	2045	917	4850	B	12000
69-05-05	0100	209	6240	B	3520	70-06-11	2245	748	2600	B	5250
69-05-05	0250	563	5290	B	8040	70-06-12	0215	192	1660	B	861
69-05-05	0335	765	6160	B	12700	70-06-12	0800	54	1240	B	181
69-05-05	0605	1130	3930	B	12000	70-06-12	1440	22	781	B	46
69-05-05	0740	976	2830	B	7460	70-06-15	1450	1.6	100	B	0.43
69-05-05	0835	801	2500	B	5410	70-06-22	0800	0.70	55	B	0.10
69-05-05	1010	423	1850	B	2110	70-08-19	0205	12	1390	B	45
69-05-05	1550	99	1030	B	275	70-08-19	0440	8.8	1290	B	31
69-05-06	0820	16	313	B	14	70-08-19	0755	4.8	700	B	9.1
69-05-06	1605	133	6710	B	2410	70-08-20	1345	2.7	150	B	1.1
69-05-06	1720	273	3780	B	2790	70-09-22	2010	17	1540	B	71
69-05-06	1830	597	5140	B	8290	70-10-05	1440	2.9	2640	B	21
69-05-06	2145	1130	3100	B	9460	70-10-06	0435	36	857	B	83
69-05-07	0230	914	2090	B	5160	70-10-06	0755	26	490	B	34
69-05-07	0710	231	1230	B	767	70-10-06	1425	12	225	B	7.3
69-05-07	1700	53	846	B	121	70-10-07	0905	3.7	157	B	1.6
69-05-08	1035	14	359	B	14	70-10-08	0800	7.5	4020	B	81
69-05-09	1255	7.8	171	B	3.6	70-10-08	1340	5.5	1490	B	22
69-05-13	0855	5.6	154	B	2.3	71-02-18	1520	2.6	5690	B	40
69-05-19	0805	3.8	114	B	1.2	71-04-27	0930	0.80	380	B	0.82
69-06-14	0335	43	5970	B	693	71-05-26	2120	65	2180	B	383
69-06-14	0620	144	4010	B	1560	71-05-26	2155	124	5360	B	1790
69-06-14	0755	233	4460	B	2810	71-05-26	2250	150	6770	B	2740
69-06-14	1440	77	1410	B	293	71-05-27	0130	137	3180	B	1180
69-06-26	0315	89	2600	B	625	71-05-27	0800	80	2730	B	590
69-06-26	0340	94	4320	B	1100	71-05-27	1035	44	2230	B	265
69-06-26	0415	88	13300	B	3160	71-05-27	1510	19	1550	B	80
69-06-26	0445	86	4170	B	968	71-05-28	1330	3.0	845	B	6.8
69-06-26	0615	68	3680	B	676	71-06-01	1025	56	1660	B	251
69-06-26	0835	46	2720	B	338	71-06-02	0910	5.0	527	B	7.1
69-06-26	0945	37	2070	B	207	71-06-03	0015	206	4390	B	2440
69-06-26	1220	25	1430	B	97	71-06-03	0125	157	2450	B	1040
69-06-26	1500	18	920	B	45	71-06-03	0210	257	3290	B	2280
69-06-26	1920	11	628	B	19	71-06-03	0325	499	4250	B	5730
69-06-27	1455	3.1	193	B	1.6	71-06-03	0440	719	4670	B	9070
69-09-16	0745	9.5	1420	B	36	71-06-03	0630	766	3240	B	6700
69-09-16	1350	2.2	755	B	4.5	71-06-03	0740	817	2980	B	6570
69-09-17	0755	3.4	370	B	3.4	71-06-03	0840	853	3840	B	8840
69-09-23	0010	4.1	2420	B	27	71-06-03	1010	814	3740	B	8220
69-09-23	0820	0.70	225	B	0.43	71-06-03	1245	364	2070	B	2030
70-04-29	2330	261	13400	B	9440	71-06-03	1650	90	1460	B	355
70-04-30	0005	245	5470	B	3620	71-06-03	2145	37	1150	B	115
70-04-30	0035	200	3860	B	2080	71-06-04	0510	16	810	B	35
70-04-30	0140	117	2300	B	727	71-06-04	1420	7.8	628	B	13
70-04-30	0210	171	3540	B	1630	71-06-07	2245	226	3010	B	1840
70-04-30	0240	311	6190	B	5200	71-06-08	0020	429	3750	B	4340
70-04-30	0340	548	5160	B	7630	71-06-08	0055	502	3370	B	4570
70-04-30	0400	599	4950	B	8010	71-06-08	0135	559	4190	B	6320
70-04-30	0605	845	3910	B	8920	71-06-08	0210	570	3070	B	4720
70-04-30	0740	904	3630	B	8860	71-06-08	0450	414	2710	B	3030
70-04-30	0900	884	2930	B	6990	71-06-08	0715	195	2100	B	1110
70-04-30	1040	699	2390	B	4510	71-06-08	1035	78	1400	B	295
70-04-30	1220	411	1860	B	2060	71-06-08	1535	31	1060	B	89
70-04-30	1525	167	1610	B	726	71-06-09	0800	10.0	762	B	21
70-04-30	1810	91	1310	B	322	71-06-10	1435	6.7	740	B	13
70-05-01	1035	12	887	B	29	71-06-11	0800	148	1800	B	719
70-05-04	0840	1.3	235	B	0.82	71-06-11	1410	42	1950	B	221
70-05-11	0810	0.30	145	B	0.12	71-06-11	1745	25	600	B	40
70-05-14	2115	93	4680	B	1180	71-06-14	1455	1.8	140	B	0.68
70-05-14	2145	182	4710	B	2310	71-06-21	0600	258	3150	B	2190
70-05-14	2215	187	5550	B	2800	71-06-21	0630	382	2810	B	2900
70-05-14	2245	155	3550	B	1490	71-06-21	0705	473	3150	B	4020
70-05-14	2315	135	2930	B	1070	71-06-21	0755	556	4160	B	6240
70-05-14	2400	142	2490	B	955	71-06-21	0815	572	4240	B	6550
70-05-15	0100	184	2990	B	1490	71-06-21	1120	309	2240	B	1870
70-05-15	0200	190	2320	B	1190	71-06-21	1300	164	1940	B	859
70-05-15	0305	177	1510	B	722	71-06-21	1800	46	1240	B	154
70-05-15	0815	86	1050	B	244	71-06-21	2155	26	1020	B	72
70-05-16	0805	5.6	775	B	12	71-06-22	1355	6.7	512	B	9.3
70-05-18	0825	0.80	190	B	0.41	71-07-28	0730	0.90	100	B	0.24
70-05-25	0805	0.20	55	B	0.03	71-08-08	1155	7.9	424	B	9.0
70-05-29	0135	15	5050	B	205	71-08-08	1235	9.5	1650	B	42
70-05-29	0205	141	4660	B	1770	71-08-09	1455	4.3	405	B	4.7
70-05-29	0240	390	7940	B	8360	71-08-16	1515	1.8	80	B	0.39
70-05-29	0305	607	4850	B	7950	71-09-08	1440	0.70	70	B	0.13
70-05-29	0400	931	3320	B	8350	71-09-18	0835	1.3	143	B	0.50
70-05-29	0610	1260	2910	B	9900	71-09-20	1500	0.10	72	B	0.02
70-05-29	0710	1330	3290	B	11800	71-09-24	1410	65	2150	B	377
70-05-29	0855	1330	2620	B	9410	71-09-24	1440	87	11700	B	2750
70-05-29	1005	1070	2050	B	5920	71-09-24	1510	83	8140	B	1820
70-05-29	1345	193	1540	B	802	71-09-24	1540	77	4550	B	946
70-05-29	2250	43	747	B	87	71-09-24	1610	70	8760	B	1660
70-05-30	0910	17	475	B	22	71-09-24	1640	63	8300	B	1410
70-06-02	0810	1.8	220	B	1.1	71-09-24	1710	56	6430	B	972
70-06-03	0805	1.5	155	B	0.63	71-09-24	1740	48	3220	B	417

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327150 SALT CREEK NEAR CHICKASHA, OKLA.--CONTINUED

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SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	
71-09-24	1755		43	1830	B	212	73-01-03	0920	116	5320	B	1670
71-09-24	1845		39	1550	B	163	73-01-03	1555	36	3740	B	364
71-09-24	2010		48	1290	B	167	73-01-04	1345	4.4	1880	B	22
71-09-24	2340		69	1300	B	242	73-01-22	1230	5.2	2260	B	32
71-09-25	0105		67	2920	B	528	73-01-23	0925	1.5	700	B	2.8
71-09-25	0305		49	2040	B	270	73-01-23	1550	1.2	368	B	1.2
71-09-25	0810		18	2260	B	110	73-01-26	0910	30	1800	B	146
71-09-28	1330	0.20		238	B	0.13	73-01-26	1545	30	1800	B	146
71-10-02	1745		45	9810	B	1190	73-01-29	1550	0.60	87	B	0.14
71-10-02	1845		84	5610	B	1270	73-02-05	1550	0.40	38	B	0.04
71-10-02	1920		125	8940	B	3020	73-02-20	1550	0.30	114	B	0.09
71-10-02	1950		153	10400	B	4300	73-03-05	1545	0.30	125	B	0.10
71-10-02	2040		182	7870	B	3870	73-03-06	0645	2.6	265	B	1.9
71-10-02	2120		169	4330	B	1980	73-03-10	0740	66	8990	B	1600
71-10-02	2150		152	2960	B	1210	73-03-10	0820	165	10400	B	4630
71-10-02	2220		141	2290	B	872	73-03-10	1025	498	9010	B	12100
71-10-02	2250		151	2290	B	934	73-03-10	1115	505	8690	B	11600
71-10-02	2320		153	3740	B	1540	73-03-12	1400	2.7	136	B	0.99
71-10-03	0040		163	3260	B	1430	73-03-23	2200	69	5750	B	1070
71-10-03	0110		161	2520	B	1100	73-03-25	0940	68	918	B	169
71-10-03	0145		158	2090	B	892	73-03-26	0930	10.0	208	B	5.6
71-10-03	0345		146	1940	B	765	73-03-27	1525	4.3	125	B	1.5
71-10-03	0445		129	2540	B	885	73-03-31	1155	12	730	B	24
71-10-03	0545		100	2840	B	767	73-04-09	1520	3.7	110	B	1.1
71-10-03	0700		69	4430	B	825	73-04-15	1640	15	457	B	19
71-10-03	0945		31	3690	B	309	73-04-15	1840	26	2460	B	173
71-10-03	1245		18	2440	B	119	73-04-15	2140	82	2060	B	456
71-10-03	1545		12	2120	B	69	73-04-15	2310	100	1370	B	370
71-10-03	1845	9.3		1780	B	45	73-04-16	0310	79	1930	B	412
71-10-04	1505	2.0		452	B	2.4	73-04-16	0510	55	1540	B	229
71-10-12	1425	0.20		82	B	0.04	73-04-16	0710	40	1120	B	121
71-10-26	1400	0.20		104	B	0.06	73-04-16	1140	22	868	B	52
71-11-08	1540	0.10		138	B	0.04	73-04-17	1150	5.2	138	B	1.9
71-11-22	1550	0.20		125	B	0.07	73-04-19	0900	6.7	130	B	2.4
71-12-06	1535	0.40		75	B	0.08	73-04-19	1040	31	536	B	45
71-12-15	0900	38		1340	B	137	73-04-19	1240	51	1190	B	164
71-12-15	1455	18		1720	B	84	73-04-19	1440	43	1580	B	183
71-12-16	0855	4.1		1170	B	13	73-04-19	1640	34	1290	B	118
71-12-17	1050	1.4		290	B	1.1	73-04-19	1940	23	896	B	56
71-12-20	1550	0.50		45	B	0.06	73-04-19	2315	15	890	B	36
71-12-27	1540	0.40		85	B	0.09	73-04-23	1545	1.5	77	B	0.31
72-01-10	1600	0.40		92	B	0.10	73-05-08	0820	2.9	60	B	0.47
72-02-22	0900	0.30		142	B	0.12	73-05-14	1450	0.50	20	B	0.03
72-03-06	1545	0.20		130	B	0.07	73-05-23	0755	6.9	130	B	2.4
72-03-20	1515	0.20		136	B	0.07	73-05-30	0745	0.20	88	B	0.05
72-04-03	1550	0.20		115	B	0.06	73-05-31	0230	14	737	B	28
72-04-17	1550	0.50		95	B	0.13	73-05-31	0330	22	1340	B	80
72-04-27	0055	8.1		183	B	4.0	73-05-31	0430	44	2220	B	264
72-04-27	0110	12		635	B	21	73-05-31	0535	45	2910	B	354
72-04-27	0140	17		1260	B	58	73-05-31	0705	101	3010	B	821
72-04-27	0210	16		1810	B	78	73-05-31	0735	157	4970	B	2110
72-04-27	0240	14		4430	B	167	73-05-31	0805	212	6390	B	3660
72-04-27	0310	12		3140	B	102	73-05-31	0925	268	3910	B	2830
72-04-27	0340	9.4		1960	B	50	73-05-31	1205	168	3530	B	1600
72-04-27	0850	3.0		820	B	6.6	73-05-31	1430	92	1920	B	477
72-04-28	1515	0.60		64	B	0.10	73-05-31	1735	51	1170	B	161
72-05-01	1315	0.60		105	B	0.17	73-05-31	2335	23	600	B	37
72-05-08	1450	0.20		150	B	0.08	73-06-01	1435	16	455	B	20
72-05-12	0355	9.1		315	B	7.7	73-06-01	2330	26	450	B	32
72-05-12	0425	11		834	B	25	73-06-02	0230	182	5730	B	2820
72-05-12	0455	11		1500	B	45	73-06-02	0300	288	8190	B	6370
72-05-12	0525	10.0		898	B	24	73-06-02	0500	760	3820	B	7840
72-05-12	0555	9.5		519	B	13	73-06-02	0555	905	2960	B	7230
72-05-12	0625	8.7		660	B	16	73-06-02	0630	922	3150	B	7840
72-05-12	0805	5.9		840	B	13	73-06-02	0730	854	3140	B	7240
72-05-12	1105	11		388	B	12	73-06-02	0900	636	1770	B	3040
72-05-12	1155	20		731	B	39	73-06-02	1220	249	1350	B	908
72-05-12	1255	30		1280	B	104	73-06-02	1535	281	1360	B	1030
72-05-12	1355	35		980	B	93	73-06-02	1805	426	2300	B	2650
72-05-12	1455	33		826	B	74	73-06-02	2105	273	1400	B	1030
72-05-12	1755	22		765	B	45	73-06-02	2335	149	964	B	388
72-05-12	1925	17		1110	B	51	73-06-04	1435	11	245	B	7.3
72-05-15	1435	0.30		118	B	0.10	73-06-19	1315	22	130	B	7.7
72-05-22	1510	0.10		118	B	0.03	73-06-19	1345	95	3910	B	1000
72-05-30	1445	0.10		82	B	0.02	73-06-19	1415	123	5570	B	1850
72-06-05	1510	0.10		110	B	0.03	73-06-19	1445	126	5160	B	1760
72-06-19	1430	0.10		106	B	0.03	73-06-19	1515	118	4130	B	1320
72-10-30	1620	1.7		330	B	1.5	73-06-19	1615	95	2910	B	746
72-10-31	0930	30		1560	B	126	73-06-19	1745	66	1930	B	344
72-10-31	1610	247		2710	B	1810	73-06-19	1945	44	1380	B	164
72-10-31	1705	271		3370	B	2470	73-06-19	2220	31	730	B	61
72-11-01	0905	16		940	B	41	73-06-20	0310	21	357	B	20
72-11-02	1440	1.1		585	B	1.7	73-06-25	1450	0.60	135	B	0.22
72-11-06	0910	0.10		64	B	0.02	73-07-09	1425	0.20	226	B	0.12
72-11-14	1325	0.90		302	B	0.73	73-07-23	1210	0.80	185	B	0.40
72-11-20	1525	0.70		417	B	0.79	73-08-13	1435	0.10	105	B	0.03
72-11-27	1520	0.10		82	B	0.02	73-08-27	1430	0.10	53	B	0.01
72-12-18	1535	0.10		163	B	0.04	73-09-10	1350	0.10	87	B	0.02
73-01-02	1515	0.10		56	B	0.02	73-09-13	0800	118	5500	B	1750

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SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
73-09-13	1255		27	4670	B	340	74-05-31	0920	1150	3650	B	11300
73-09-13	1700		14	3400	B	129	74-05-31	1055	998	2230	B	6010
73-09-14	1300	3.5		570	B	5.4	74-05-31	1140	807	1710	B	3730
73-09-17	1230		20	262	B	14	74-05-31	1235	563	1510	B	2300
73-09-17	1330		103	3080	B	857	74-05-31	1405	284	1520	B	1170
73-09-17	1400		119	4260	B	1370	74-05-31	1535	168	1570	B	712
73-09-17	1515		116	4490	B	1410	74-05-31	1705	116	1310	B	410
73-09-17	1635		92	4050	B	1010	74-05-31	1840	80	1220	B	264
73-09-17	1805		64	3690	B	638	74-05-31	2140	49	1090	B	144
73-09-17	2105		34	2740	B	252	74-06-01	0035	37	984	B	98
73-09-17	2400		21	2030	B	115	74-06-01	0635	28	661	B	50
73-09-18	0300		15	1750	B	71	74-06-01	1535	20	436	B	24
73-09-26	1200		20	7130	B	385	74-06-06	1940	34	1250	B	115
73-09-26	1325		30	3260	B	264	74-06-06	2010	58	2990	B	468
73-09-26	1630		25	3620	B	244	74-06-06	2040	71	3550	B	681
73-09-26	1930		229	5970	B	3690	74-06-06	2110	72	2830	B	550
73-09-26	2100		244	5650	B	3720	74-06-06	2130	71	1850	B	355
73-09-26	2230		222	4720	B	2830	74-06-06	2215	64	1320	B	228
73-09-26	2400		180	3520	B	1710	74-06-06	2315	55	946	B	140
73-09-27	0130		130	2700	B	948	74-06-07	0105	42	804	B	91
73-09-27	0430		63	2140	B	364	74-06-07	0510	22	560	B	33
73-09-27	0900		33	1680	B	150	74-06-07	0810	16	332	B	14
73-09-27	1200		38	1290	B	132	74-06-10	1355	4.4	165	B	2.0
73-09-27	1630		39	1250	B	132	74-06-24	1355	0.30	107	B	0.09
73-09-27	2230		20	1060	B	57	74-07-08	1420	0.10	180	B	0.05
73-09-28	0530		12	762	B	25	74-08-10	0535	17	316	B	15
73-09-28	1400	7.9		353	B	7.5	74-08-10	0600	38	9140	B	938
73-10-02	0815	0.70		41	B	0.08	74-08-10	0635	51	4230	B	582
73-10-09	1425	0.90		100	B	0.24	74-08-10	0735	55	2640	B	392
73-10-11	0115		14	261	B	9.9	74-08-10	0835	51	1930	B	266
73-10-11	0140		14	6250	B	236	74-08-10	0930	51	2080	B	286
73-10-11	0210		14	3010	B	114	74-08-10	1030	88	3380	B	803
73-10-11	0240		15	2060	B	83	74-08-10	1055	112	4810	B	1450
73-10-11	0310		17	1110	B	51	74-08-10	1125	143	6510	B	2510
73-10-11	0410		17	1860	B	85	74-08-10	1200	170	6470	B	2970
73-10-11	0510		104	7090	B	1990	74-08-10	1250	174	7270	B	3420
73-10-11	0710		209	9830	B	5550	74-08-10	1325	172	7410	B	3440
73-10-11	0745		235	7200	B	4570	74-08-10	1355	172	6470	B	3000
73-10-11	0940		220	4250	B	2520	74-08-10	1425	166	5650	B	2530
73-10-11	1430		71	3160	B	606	74-08-10	1525	159	6240	B	2680
73-10-11	2145		25	1410	B	95	74-08-10	1625	140	5200	B	1970
73-10-12	0640		14	966	B	37	74-08-10	1700	118	4590	B	1460
73-10-12	0940		18	1590	B	77	74-08-10	1800	105	4060	B	1150
73-10-12	1410		33	1270	B	113	74-08-10	2030	84	2890	B	655
73-10-12	1710		138	3630	B	1350	74-08-10	2330	49	1880	B	249
73-10-12	2315		122	3650	B	1200	74-08-11	0300	32	1130	B	98
73-10-13	0210		63	3070	B	522	74-08-14	0850	24	200	B	13
73-10-13	0510		39	2400	B	253	74-09-04	1450	3.4	90	B	0.83
73-10-13	0940		26	1700	B	119	74-09-30	1325	0.60	70	B	0.11
73-10-15	1455	3.4		123	B	1.1	74-10-16	1420	0.10	70	B	0.02
73-10-23	1510	0.50		90	B	0.12	74-10-30	1525	0.10	224	B	0.06
73-11-06	1430	0.40		117	B	0.13	74-10-31	0840	1.7	1380	B	6.3
73-11-19	1550	0.50		187	B	0.25	74-10-31	1420	39	1000	B	105
73-11-26	1505	2.2		122	B	0.72	74-11-01	1520	20	322	B	17
73-12-03	1555	1.3		72	B	0.25	74-11-02	0955	6.1	1570	B	26
73-12-17	1530	0.60		155	B	0.25	74-11-02	1025	23	2410	B	150
74-01-14	1500	0.50		243	B	0.33	74-11-02	1050	30	4830	B	391
74-01-28	1515	0.60		147	B	0.24	74-11-02	1120	61	10300	B	1700
74-02-11	1410	0.40		100	B	0.11	74-11-02	1150	171	9920	B	4580
74-02-21	1100	96		3580	B	928	74-11-02	1220	292	9430	B	7430
74-02-21	1440	44		2650	B	315	74-11-02	1320	388	8570	B	8980
74-02-22	1330	6.1		313	B	5.2	74-11-02	1350	499	8030	B	10800
74-02-25	1355	1.4		90	B	0.34	74-11-02	1450	470	5420	B	6880
74-03-08	1410	0.70		115	B	0.22	74-11-02	1520	589	4570	B	7270
74-03-09	1325	35		772	B	73	74-11-02	1620	599	3750	B	6060
74-03-10	1820	595		3820	B	6140	74-11-02	1925	587	2230	B	3530
74-03-10	1905	578		3280	B	5120	74-11-02	2230	382	1950	B	2010
74-03-10	2030	498		3210	B	4320	74-11-03	0425	154	1350	B	561
74-03-11	1445	33		545	B	49	74-11-04	1610	51	590	B	81
74-03-12	1430	13		220	B	7.7	74-11-05	1500	19	163	B	8.4
74-03-18	1420	2.5		42	B	0.28	74-11-12	1520	8.9	65	B	1.6
74-04-01	1410	1.4		239	B	0.90	74-11-26	1600	2.8	85	B	0.64
74-04-11	0745	6.1		180	B	3.0	74-12-24	1305	1.1	100	B	0.30
74-04-29	1430	2.5		130	B	0.88	75-01-02	1500	1.2	1900	B	6.2
74-04-30	0950	44		1260	B	150	75-01-07	1350	98	100	B	26
74-04-30	2330	13		500	B	18	75-01-21	1320	3.2	45	B	0.39
74-05-01	1230	10.0		318	B	8.6	75-01-31	0845	1.4	2190	B	8.3
74-05-01	1425	20		1030	B	56	75-02-03	1250	60	165	B	27
74-05-01	1555	59		1510	B	241	75-02-18	1410	5.2	44	B	0.62
74-05-01	1730	462		5160	B	6440	75-03-04	1225	3.6	87	B	0.85
74-05-01	1900	677		3000	B	5480	75-03-18	0830	2.1	266	B	1.5
74-05-01	2030	577		2400	B	3740	75-04-01	1255	3.7	120	B	1.2
74-05-01	2330	272		1520	B	1120	75-04-07	1915	10.0	345	B	9.3
74-05-02	0055	189		1070	B	546	75-04-07	1930	12	1250	B	40
74-05-02	1550	32		380	B	33	75-04-07	2030	15	1470	B	60
74-05-03	1320	15		238	B	9.6	75-04-07	2205	10.0	935	B	25
74-05-06	1425	5.4		127	B	1.9	75-04-07	2335	10.0	711	B	19
74-05-13	1425	1.1		50	B	0.15	75-04-08	0040	76	4400	B	903
74-05-28	1355	0.80		144	B	0.31	75-04-08	0245	151	3310	B	1350

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327150 SALT CREEK NEAR CHICKASHA, OKLA.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-04-08	0635	76	2570	B	527	75-07-22	1330	0.50	10	B	0.01
75-04-08	1130	38	850	B	87	75-07-24	0515	10.0	637	B	17
75-04-08	1730	25	400	B	27	75-07-24	0545	21	2200	B	125
75-04-15	1240	4.3	190	B	2.2	75-07-24	0645	124	8550	B	2860
75-04-29	1250	2.7	190	B	1.4	75-07-24	0745	188	9670	B	4910
75-05-05	1255	6.4	200	B	3.5	75-07-24	0815	206	7880	B	4380
75-05-13	1405	1.9	165	B	0.85	75-07-24	0945	269	4140	B	3010
75-05-13	1800	31	11600	B	971	75-07-24	1150	251	2950	B	2000
75-05-13	1815	43	9520	B	1110	75-07-24	1450	164	2790	B	1240
75-05-13	1915	73	4250	B	838	75-07-24	1745	143	2660	B	1030
75-05-13	2115	75	2310	B	468	75-07-24	2045	215	2210	B	1280
75-05-13	2315	85	2200	B	505	75-07-24	2350	187	1530	B	772
75-05-14	0245	54	1670	B	243	75-07-25	0545	100	1280	B	346
75-05-14	0845	35	1140	B	108	75-07-25	1505	40	576	B	62
75-05-14	1345	46	807	B	100	75-07-25	1745	36	740	B	72
75-05-14	1915	33	450	B	40	75-07-25	2040	316	8520	B	7270
75-05-22	1920	13	2230	B	78	75-07-25	2335	421	2650	B	3010
75-05-22	2120	18	3110	B	151	75-07-26	0245	197	1610	B	856
75-05-22	2325	89	4010	B	964	75-07-26	0545	92	1290	B	320
75-05-23	0030	146	6630	B	2610	75-07-26	1135	78	2130	B	449
75-05-23	0230	284	5420	B	4160	75-07-26	1430	130	2330	B	818
75-05-23	0400	379	4310	B	4410	75-07-26	1745	215	2700	B	1570
75-05-23	0500	388	3810	B	3990	75-07-26	1915	220	2010	B	1190
75-05-23	0600	362	3010	B	2940	75-07-26	2045	205	1620	B	897
75-05-23	0700	313	2500	B	2110	75-07-26	2340	146	1070	B	422
75-05-23	0915	182	1600	B	786	75-07-27	0545	67	600	B	109
75-05-24	0315	25	600	B	40	75-07-27	1310	38	409	B	42
75-05-27	1135	6.1	220	B	3.6	75-07-27	2215	26	336	B	24
75-05-28	0300	13	481	B	17	75-07-28	1430	217	5860	B	3430
75-05-28	0450	31	1850	B	155	75-07-28	1515	261	5840	B	4120
75-05-28	0615	52	2300	B	323	75-07-28	1615	281	4390	B	3330
75-05-28	0745	56	1890	B	286	75-07-28	1745	264	2800	B	2000
75-05-28	0845	54	1300	B	190	75-07-28	1915	210	1730	B	981
75-05-28	1145	58	1200	B	188	75-07-28	2215	110	1020	B	303
75-05-28	1445	51	913	B	126	75-07-28	2315	90	831	B	202
75-05-28	2315	29	623	B	49	75-07-29	1445	22	240	B	14
75-05-29	0815	26	864	B	61	75-08-01	1615	44	2260	B	268
75-05-29	1245	62	1390	B	233	75-08-01	1645	49	4180	B	553
75-05-29	1900	68	1330	B	244	75-08-01	1715	52	3880	B	545
75-05-29	2030	86	1820	B	423	75-08-01	1745	54	2990	B	436
75-05-29	2200	126	3740	B	1270	75-08-01	1845	65	1870	B	328
75-05-29	2330	164	4110	B	1820	75-08-01	1945	100	2440	B	659
75-05-30	0020	184	3760	B	1870	75-08-01	2045	119	3110	B	999
75-05-30	0150	176	2220	B	1050	75-08-01	2145	111	3000	B	899
75-05-30	0320	165	1820	B	811	75-08-02	0045	60	1690	B	274
75-05-30	0625	116	1460	B	457	75-08-02	0545	31	1310	B	110
75-05-30	1215	46	791	B	98	75-08-02	1015	27	520	B	38
75-05-30	1815	27	464	B	34	75-08-04	1300	15	200	B	8.1
75-05-31	1225	12	281	B	9.1	75-08-07	1545	34	600	B	55
75-06-10	1455	4.4	210	B	2.5	75-08-19	1240	2.4	230	B	1.5
75-06-22	0315	11	311	B	9.2	75-09-03	1350	0.60	205	B	0.33
75-06-22	0345	17	600	B	28	75-09-15	1315	3.1	90	B	0.75
75-06-22	0445	25	3550	B	240	75-09-29	1340	0.70	90	B	0.17
75-06-22	0515	23	1720	B	107	75-10-15	1245	2.6	220	B	1.5
75-06-22	0615	16	951	B	41	75-10-29	1515	0.70	205	B	0.39
75-06-22	0715	11	630	B	19	75-11-10	1500	1.1	268	B	0.80
75-06-23	2145	56	2020	B	305	75-11-24	1500	1.2	285	B	0.92
75-06-23	2315	59	1870	B	298	75-12-08	1450	1.0	170	B	0.46
75-06-24	0045	47	1420	B	180	75-12-22	1455	1.2	160	B	0.52
75-06-24	0515	27	876	B	64	76-01-19	1425	1.2	102	B	0.33
75-06-24	1245	16	451	B	19	76-02-02	1400	0.90	135	B	0.33
75-06-24	2210	17	333	B	15	76-02-18	1430	1.2	367	B	1.2
75-06-24	2300	35	897	B	85	76-03-01	1500	0.90	162	B	0.39
75-06-24	2330	50	1620	B	219	76-03-08	1235	8.5	284	B	6.5
75-06-25	0030	62	1580	B	264	76-03-15	1425	2.1	90	B	0.51
75-06-25	0130	62	2020	B	338	76-03-29	1455	1.1	97	B	0.29
75-06-25	0230	56	2190	B	331	76-04-12	1445	0.80	145	B	0.31
75-06-25	0330	49	1740	B	230	76-04-19	0535	12	281	B	9.1
75-06-25	0600	37	979	B	98	76-04-19	0605	14	877	B	33
75-06-25	1130	25	575	B	39	76-04-19	0705	15	1300	B	53
75-07-07	1805	387	6320	B	6600	76-04-19	0735	14	978	B	37
75-07-07	2110	229	2740	B	1690	76-04-19	0805	12	503	B	16
75-07-08	0015	85	2150	B	493	76-04-19	1300	7.2	233	B	4.5
75-07-08	0315	42	1130	B	128	76-04-19	1535	18	665	B	32
75-07-08	0615	27	744	B	54	76-04-19	1605	31	7530	B	630
75-07-08	0915	21	481	B	27	76-04-19	1705	36	3810	B	370
75-07-08	1310	16	310	B	13	76-04-19	1805	26	2490	B	175
75-07-10	0800	7.0	206	B	3.9	76-04-19	1905	31	1450	B	121
75-07-10	0845	17	2640	B	121	76-04-19	2005	74	3230	B	645
75-07-10	0915	22	3800	B	226	76-04-19	2035	99	3890	B	1040
75-07-10	0945	28	2020	B	153	76-04-19	2135	118	3890	B	1240
75-07-10	1015	40	2920	B	315	76-04-19	2205	113	3360	B	1030
75-07-10	1115	65	3930	B	690	76-04-19	2305	96	3010	B	780
75-07-10	1145	63	3660	B	623	76-04-20	0140	55	2370	B	352
75-07-10	1215	58	2540	B	398	76-04-20	0310	40	1610	B	174
75-07-10	1245	52	1960	B	275	76-04-20	0735	23	874	B	54
75-07-10	1315	47	1480	B	188	76-04-20	1340	15	390	B	16
75-07-10	1615	29	672	B	53	76-04-26	1305	1.7	104	B	0.48
75-07-10	1915	20	475	B	26	76-05-10	1250	1.0	164	B	0.44

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

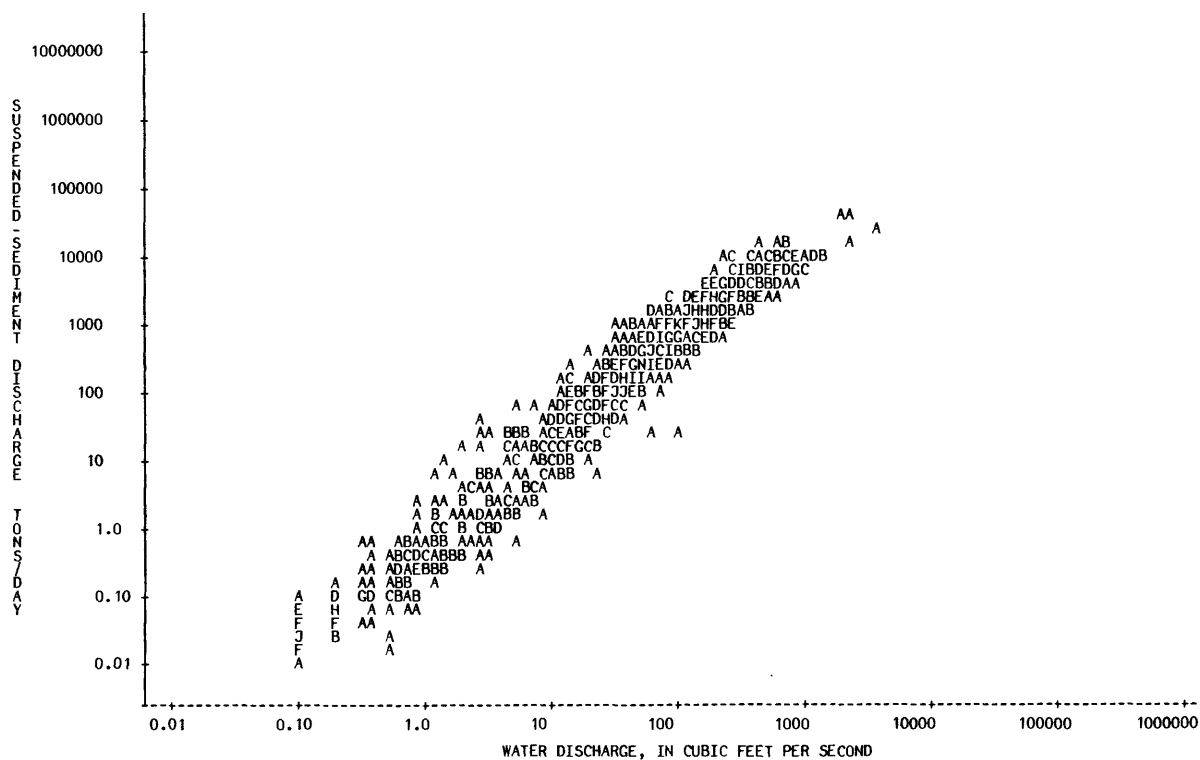
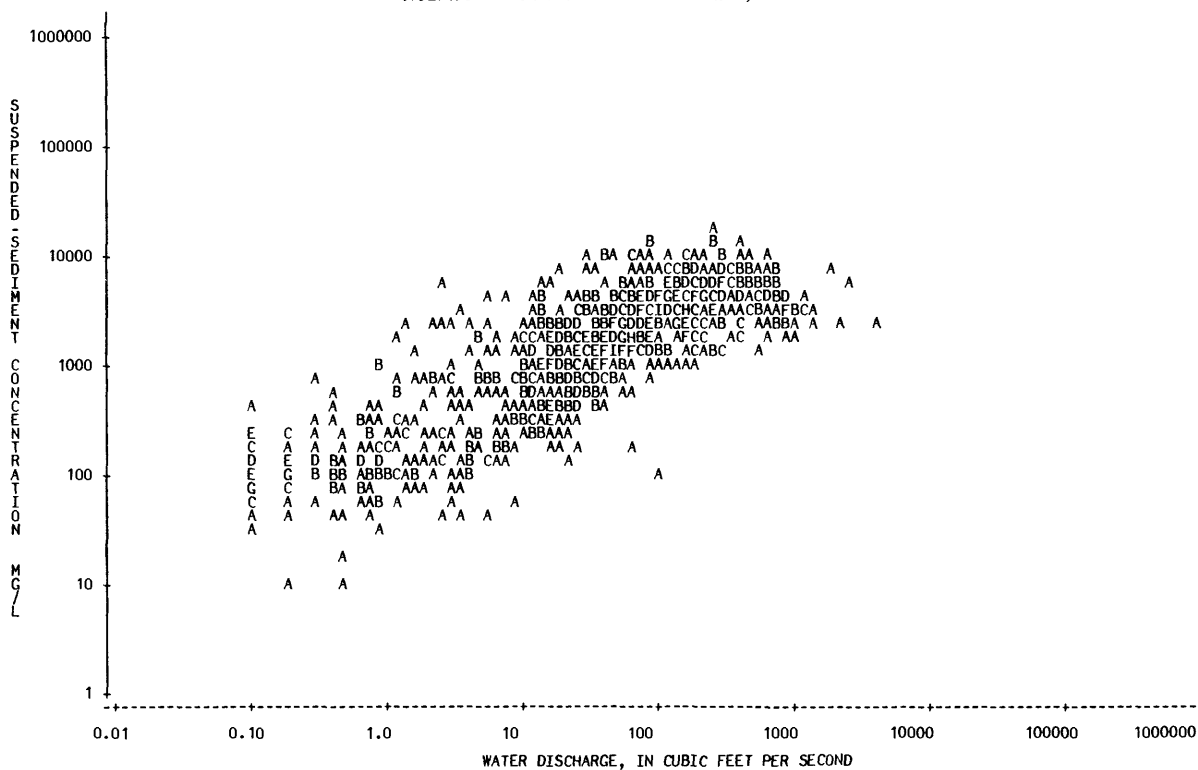
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-05-24		1310	1.0	115	B	77-06-12		1555	23	2250	B
76-05-26		0750	18	1590	B	77-06-12		1755	25	2260	B
76-05-26		0815	35	7300	B	77-06-13		0855	2.9	590	B
76-05-26		1020	45	2930	B	77-06-27		0830	0.60	332	B
76-05-26		1115	84	3850	B	77-07-01		0930	63	11000	B
76-05-26		1145	93	3700	B	77-07-01		0955	79	7440	B
76-05-26		1215	93	2810	B	77-07-01		1135	349	7670	B
76-05-26		1245	87	2050	B	77-07-01		1335	366	4570	B
76-05-26		1345	67	1690	B	77-07-01		1930	60	1700	B
76-05-26		1515	43	1500	B	77-07-11		0805	0.20	245	B
76-05-26		1715	27	878	B	77-07-25		0840	0.10	276	B
76-06-07		1240	0.50	80	B	77-08-08		0820	0.10	258	B
76-06-21		1350	0.20	100	B	77-10-31		0940	0.10	36	B
76-06-24		0955	3.1	372	B	77-11-14		0955	0.10	130	B
76-07-06		1200	0.10	93	B	77-11-28		0945	0.10	170	B
76-07-19		1255	0.90	50	B	77-12-12		0945	0.20	82	B
76-09-13		0840	0.80	1040	B						
76-09-14		1615	12	4250	B						
76-09-14		1630	116	6820	B						
76-09-14		1700	135	7760	B						
76-09-14		1735	121	6930	B						
76-09-14		1835	103	3050	B						
76-09-14		1905	84	2400	B						
76-09-14		2005	56	1650	B						
76-09-14		2105	37	2710	B						
76-09-15		0010	12	1940	B						
76-09-15		0835	3.2	298	B						
76-09-27		1220	0.10	100	B						
76-11-22		1315	0.10	80	B						
76-12-06		1305	0.20	106	B						
76-12-20		1320	0.20	92	B						
77-01-03		1335	0.30	58	B						
77-01-18		1400	0.20	10	B						
77-01-31		1405	0.20	83	B						
77-02-15		1355	0.30	158	B						
77-02-28		1330	0.20	200	B						
77-03-28		0920	0.30	236	B						
77-04-11		0900	0.20	155	B						
77-04-20		1900	15	1140	B						
77-04-20		2020	27	1930	B						
77-04-20		2100	27	2250	B						
77-04-20		2130	31	2860	B						
77-04-20		2230	36	2170	B						
77-04-20		2355	35	1470	B						
77-04-21		0130	35	1490	B						
77-04-21		0250	26	1250	B						
77-04-21		1125	5.6	874	B						
77-04-25		0855	0.30	360	B						
77-05-02		0820	13	1160	B						
77-05-04		0940	21	1150	B						
77-05-04		1730	13	477	B						
77-05-06		1020	8.6	670	B						
77-05-09		0855	1.0	243	B						
77-05-16		0815	0.40	287	B						
77-05-19		1530	13	1960	B						
77-05-19		1550	40	2960	B						
77-05-19		1620	74	3430	B						
77-05-19		1650	79	2800	B						
77-05-19		1720	74	2760	B						
77-05-19		1750	96	2660	B						
77-05-19		1820	139	4410	B						
77-05-19		1850	184	6610	B						
77-05-19		1920	236	6390	B						
77-05-19		1950	279	5870	B						
77-05-19		2020	307	5580	B						
77-05-19		2050	323	6420	B						
77-05-19		2150	318	6210	B						
77-05-19		2220	303	5690	B						
77-05-19		2320	245	4090	B						
77-05-20		0020	190	3390	B						
77-05-20		0120	140	2600	B						
77-05-20		0220	104	2050	B						
77-05-20		0315	84	1690	B						
77-05-20		0445	61	1320	B						
77-05-20		0615	48	1200	B						
77-05-20		0945	33	1140	B						
77-05-20		1235	27	1180	B						
77-05-20		1905	90	3010	B						
77-05-20		2120	428	4570	B						
77-05-21		1320	66	1330	B						
77-05-22		1200	19	630	B						
77-05-23		1320	10.0	373	B						
77-05-27		0145	36	1810	B						
77-05-27		0350	301	6420	B						
77-05-27		0550	312	3470	B						
77-05-27		0905	157	2470	B						
77-05-27		0955	148	1670	B						
77-05-31		0810	21	428	B						
77-06-06		0805	2.8	265	B						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07327150 SALT CREEK NEAR CHICKASHA, OKLA.



## RED RIVER BASIN

07327440 EAST BITTER CREEK NEAR TABLER, OKLA.

LOCATIDN.--Lat 35°02'38", long 97°49'28", in SW 1/4 sec.27, T.7 N., R.6 W., Grady County, Hydrologic Unit 11130302, above U.S. Highway 62 bridge.

DRAINAGE AREA.--35.2 mi<sup>2</sup> (90.1 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1964-78.

REMARKS.--Initial upstream floodwater-retarding structure was completed in February 1972. Construction is continuing with 4.7 mi<sup>2</sup> (12.2 km<sup>2</sup>) currently controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
64-01-09	1125		2.8	55	B	0.42	64-09-20	0755	135	7230	B	2640
64-01-23	1250		2.6	61	B	0.43	64-09-20	0950	78	6280	B	1320
64-02-05	1250		13	231	B	8.1	64-09-20	1010	70	5900	B	1120
64-02-19	1130		2.8	27	B	0.20	64-09-20	1530	17	3390	B	156
64-03-17	1120		2.6	28	B	0.20	64-09-21	1035	3.0	1940	B	16
64-04-06	1135		3.1	72	B	0.60	64-09-22	0905	7.7	875	B	18
64-04-30	1140		1.6	44	B	0.19	64-09-26	2350	29	5650	B	442
64-05-06	0910		58	2930	B	459	64-09-27	0710	32	1850	B	160
64-05-06	1030		43	2110	B	245	64-09-27	1050	14	2170	B	82
64-05-06	1535		15	700	B	28	64-09-28	0945	3.0	967	B	7.8
64-05-07	1000		3.5	408	B	3.9	64-10-09	1030	0.70	35	R	0.07
64-05-08	1000		3.4	187	B	1.7	64-10-12	1950	15	2590	B	105
64-05-10	0115	434		18200	B	21300	64-10-12	2025	14	2340	B	88
64-05-10	0310		227	22600	B	13900	64-10-13	0915	21	3990	B	226
64-05-10	0320		203	21200	B	11600	64-10-13	1345	13	3450	B	121
64-05-10	0910		28	7120	B	538	64-10-15	1030	2.4	309	B	2.0
64-05-10	2035	1580		32100	B	137000	64-10-21	1545	1.1	148	B	0.44
64-05-10	2040	1450		30300	B	119000	64-10-28	1430	1.4	109	B	0.41
64-05-10	2345	564		30200	B	46000	64-11-03	1745	6.0	2290	B	37
64-05-10	2355	493		28500	B	37900	64-11-03	1900	62	4350	B	728
64-05-11	0215	140		13700	B	5180	64-11-03	2115	89	2630	B	632
64-05-11	1710	15		2150	B	87	64-11-03	2235	101	3680	B	1000
64-05-20	1140	2.0		82	B	0.44	64-11-04	0100	76	4060	B	833
64-05-29	1500	17		661	B	30	64-11-04	0410	36	3020	B	294
64-05-30	0800	32		1010	B	87	64-11-04	0940	17	3430	B	157
64-06-01	1300	2.9		127	B	0.99	64-11-04	1405	11	1590	B	47
64-06-04	1450	17		9570	B	439	64-11-05	1510	27	2370	B	173
64-06-04	1510	75		13200	B	2670	64-11-06	0905	8.1	914	B	20
64-06-04	1555	210		12800	B	7260	64-11-09	1050	2.4	231	B	1.5
64-06-04	1615	196		13700	B	7250	64-11-17	0020	1190	18200	B	58500
64-06-04	1645	159		12100	B	5190	64-11-17	0025	1260	19500	B	66300
64-06-06	0800	3.5		238	B	2.2	64-11-17	0200	1360	29400	B	108000
64-06-17	1035	1.8		71	B	0.35	64-11-17	0405	426	13600	B	15600
64-06-23	1425	5.4		314	B	4.6	64-11-17	1015	127	3650	B	1250
64-06-23	1510	11		328	B	9.7	64-11-18	0945	42	1860	B	211
64-06-24	1020	2.7		335	B	2.4	64-11-19	0620	179	7000	B	3380
64-06-30	0935	0.30		34	B	0.03	64-11-19	0800	118	4000	B	1270
64-08-07	0735	558		25200	B	38000	64-11-19	1520	38	1260	B	129
64-08-07	0830	333		18900	B	17000	64-11-20	1010	15	300	B	12
64-08-07	1015	118		12400	B	3950	64-11-23	1100	6.6	113	B	2.0
64-08-07	1120	69		10600	B	1970	64-12-07	1030	3.9	107	B	1.1
64-08-07	1900	11		5450	B	162	64-12-14	1015	4.2	163	B	1.8
64-08-15	0710	203		9170	B	5030	65-01-05	1130	4.4	178	B	2.1
64-08-15	0915	103		9390	B	2610	65-01-22	0940	17	201	B	9.2
64-08-15	1135	76		7370	B	1510	65-01-22	1500	20	567	B	31
64-08-15	1850	16		3670	B	159	65-02-09	1100	9.3	157	B	3.9
64-08-17	1100	1.0		441	B	1.2	65-03-12	0955	29	872	R	68
64-09-16	0945	8.5		1710	B	39	65-04-06	0920	7.6	120	B	2.5
64-09-17	0855	1.3		111	B	0.39	65-04-14	1920	64	13600	B	2350
64-09-20	0530	472		10500	B	13400	65-04-14	2100	49	4990	B	660
64-09-20	0610	354		8870	B	8480	65-04-15	1015	22	4200	B	249
64-09-20	0700	221		8090	B	4830	65-04-16	1010	8.2	460	B	10
64-09-20	0725	175		7340	B	3470	65-04-18	1010	6.5	256	B	4.5

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
65-05-11	1225		4.6	197	B	2.4	66-05-23	1010	1.5	85	B	0.34	66-05-23	1010	1.5	85	B	0.34	66-05-23	1010	1.5	85	B	0.34
65-05-13	1015		3.3	197	B	1.8	66-06-15	2400	29	3230	B	253	66-06-15	2400	29	3230	B	253	66-06-15	2400	29	3230	B	253
65-05-14	0020		23	6850	B	425	66-06-16	0155	173	15200	B	7100	66-06-16	0155	173	15200	B	7100	66-06-16	0155	173	15200	B	7100
65-05-14	0240		34	2920	B	268	66-06-16	0315	108	8630	B	2520	66-06-16	0315	108	8630	B	2520	66-06-16	0315	108	8630	B	2520
65-05-14	0925		21	1800	B	102	66-06-16	0505	83	5020	B	1120	66-06-16	0505	83	5020	B	1120	66-06-16	0505	83	5020	B	1120
65-05-26	0650		17	2780	B	128	66-06-16	0930	28	5100	B	386	66-06-16	0930	28	5100	B	386	66-06-16	0930	28	5100	B	386
65-05-26	1630		12	335	B	11	66-06-16	1435	9.3	2880	B	72	66-06-16	1435	9.3	2880	B	72	66-06-16	1435	9.3	2880	B	72
65-05-27	0930		4.1	167	B	1.8	66-06-17	0850	3.2	710	B	6.1	66-06-17	0850	3.2	710	B	6.1	66-06-17	0850	3.2	710	B	6.1
65-05-28	0410		10.0	434	B	12	66-06-20	1035	0.70	70	B	0.13	66-06-20	1035	0.70	70	B	0.13	66-06-20	1035	0.70	70	B	0.13
65-05-28	0555		26	977	B	69	66-07-23	1055	17	2820	B	129	66-07-23	1055	17	2820	B	129	66-07-23	1055	17	2820	B	129
65-05-28	0745		39	3220	B	339	66-07-23	1230	11	3200	B	95	66-07-23	1230	11	3200	B	95	66-07-23	1230	11	3200	B	95
65-05-28	1010		34	2550	B	234	66-07-24	1215	16	742	B	32	66-07-24	1215	16	742	B	32	66-07-24	1215	16	742	B	32
65-05-28	1640		14	1340	B	51	66-07-24	1400	104	17100	B	4800	66-07-24	1400	104	17100	B	4800	66-07-24	1400	104	17100	B	4800
65-06-02	0835		6.0	173	B	2.8	66-07-24	1425	588	18600	B	29500	66-07-24	1425	588	18600	B	29500	66-07-24	1425	588	18600	B	29500
65-06-02	1420		9.2	180	B	4.5	66-07-24	1520	541	10400	B	15200	66-07-24	1520	541	10400	B	15200	66-07-24	1520	541	10400	B	15200
65-06-03	1510		3.5	222	B	2.1	66-07-24	1705	200	7760	B	4190	66-07-24	1705	200	7760	B	4190	66-07-24	1705	200	7760	B	4190
65-06-21	2245		14	1250	B	47	66-07-24	1755	121	6280	B	2050	66-07-24	1755	121	6280	B	2050	66-07-24	1755	121	6280	B	2050
65-06-22	1335		5.4	273	B	4.0	66-07-25	1425	3.0	1030	B	8.3	66-07-25	1425	3.0	1030	B	8.3	66-07-25	1425	3.0	1030	B	8.3
65-07-26	1000		0.70	454	B	0.86	66-08-11	0415	47	2020	B	256	66-08-11	0415	47	2020	B	256	66-08-11	0415	47	2020	B	256
65-08-06	1905		37	5860	B	585	66-08-11	0445	67	5810	B	1050	66-08-11	0445	67	5810	B	1050	66-08-11	0445	67	5810	B	1050
65-08-06	2020		42	3900	B	442	66-08-11	0555	37	3330	B	333	66-08-11	0555	37	3330	B	333	66-08-11	0555	37	3330	B	333
65-08-07	0810		6.8	709	B	13	66-08-11	0940	8.3	1850	B	41	66-08-11	0940	8.3	1850	B	41	66-08-11	0940	8.3	1850	B	41
65-08-08	0435		490	11300	B	14900	66-08-11	1530	2.3	1160	B	7.2	66-08-11	1530	2.3	1160	B	7.2	66-08-11	1530	2.3	1160	B	7.2
65-08-08	0500		385	11900	B	12400	66-08-12	1115	0.50	219	B	0.30	66-08-12	1115	0.50	219	B	0.30	66-08-12	1115	0.50	219	B	0.30
65-08-08	0545		294	9000	B	7140	66-08-19	0925	26	2310	B	162	66-08-19	0925	26	2310	B	162	66-08-19	0925	26	2310	B	162
65-08-08	0730		181	6470	B	3160	66-08-19	1410	9.5	1450	B	37	66-08-19	1410	9.5	1450	B	37	66-08-19	1410	9.5	1450	B	37
65-08-08	0925		111	4550	B	1360	66-08-19	2205	28	721	B	55	66-08-19	2205	28	721	B	55	66-08-19	2205	28	721	B	55
65-08-08	1525		37	2010	B	201	66-08-19	2240	54	4340	B	633	66-08-19	2240	54	4340	B	633	66-08-19	2240	54	4340	B	633
65-08-09	1125		8.1	515	B	11	66-08-21	1505	1570	15200	B	64400	66-08-21	1505	1570	15200	B	64400	66-08-21	1505	1570	15200	B	64400
65-08-12	1410		1.6	38	B	0.16	66-08-21	1615	860	7430	B	17300	66-08-21	1615	860	7430	B	17300	66-08-21	1615	860	7430	B	17300
65-08-23	0945		7.5	745	B	15	66-08-21	1700	404	5040	B	5500	66-08-21	1700	404	5040	B	5500	66-08-21	1700	404	5040	B	5500
65-08-28	0400		449	7350	B	8910	66-08-21	1735	271	4820	B	3530	66-08-21	1735	271	4820	B	3530	66-08-21	1735	271	4820	B	3530
65-08-28	0425		378	6760	B	6900	66-08-21	1910	122	2940	B	968	66-08-21	1910	122	2940	B	968	66-08-21	1910	122	2940	B	968
65-08-28	0450		386	9620	B	10000	66-08-21	2025	96	1910	B	495	66-08-21	2025	96	1910	B	495	66-08-21	2025	96	1910	B	495
65-08-28	0535		299	6250	B	5050	66-08-21	2115	252	4110	B	2800	66-08-21	2115	252	4110	B	2800	66-08-21	2115	252	4110	B	2800
65-08-28	0700		171	4970	B	2290	66-08-21	2130	639	17600	B	30400	66-08-21	2130	639	17600	B	30400	66-08-21	2130	639	17600	B	30400
65-08-28	0900		87	3930	B	923	66-08-21	2140	888	32000	B	76700	66-08-21	2140	888	32000	B	76700	66-08-21	2140	888	32000	B	76700
65-08-28	1520		16	2360	B	102	66-08-21	2205	1120	26400	B	79800	66-08-21	2205	1120	26400	B	79800	66-08-21	2205	1120	26400	B	79800
65-08-29	1420		3.3	335	B	3.0	66-08-21	2300	767	21900	B	45400	66-08-21	2300	767	21900	B	45400	66-08-21	2300	767	21900	B	45400
65-08-30	1315		1.8	126	B	0.61	66-08-22	0010	298	11000	B	8850	66-08-22	0010	298	11000	B	8850	66-08-22	0010	298	11000	B	8850
65-08-31	1500		138	6910	B	2570	66-08-22	0445	53	4740	B	678	66-08-22	0445	53	4740	B	678	66-08-22	0445	53	4740	B	678
65-08-31	1525		357	12100	B	11700	66-08-22	0920	352	12700	B	12100	66-08-22	0920	352	12700	B	12100	66-08-22	0920	352	12700	B	12100
65-08-31	1550		385	10700	B	11100	66-08-22	1025	274	12100	B	8950	66-08-22	1025	274	12100	B	8950	66-08-22	1025	274	12100	B	8950
65-08-31	1635		224	5450	B	3300	66-08-22	1130	178	9880	B	4750	66-08-22	1130	178	9880	B	4750	66-08-22	1130	178	9880	B	4750
65-08-31	1705		151	3600	B	1470	66-08-22	1300	107	6020	B	1740	66-08-22	1300	107	6020	B	1740	66-08-22	1300	107	6020	B	1740
65-08-31	1755		83	2840	B	636	66-08-22	1600	47	2900	B	368	66-08-22	1600	47	2900	B	368	66-08-22	1600	47	2900	B	368
65-09-01	0845		4.1	1080	B	12	66-08-23	1030	6.0	659	B	11	66-08-23	1030	6.0	659	B	11	66-08-23	1030	6.0	659	B	11
65-09-07	0950		1.1	64	B	0.19	66-08-23	1415	39	2130	B	224	66-08-23	1415	39	2130	B	224	66-08-23	1415	39	2130	B	224
65-09-19	1105		5.4	203	B	3.0	66-08-23	1620	151	4690	B	1910	66-08-23	1620	151	4690	B	1910	66-08-23	1620	151	4690	B	1910
65-09-20	1030		18	1960	B	95	66-08-23	1735	128	5470	B	1890	66-08-23	1735	128	5470	B	1890	66-08-23	1735	128	5470	B	1890
65-09-21	0225		25	1020	B	69	66-08-23	2255	50	1790	B	242	66-08-23	2255	50	1790	B	242	66-08-23	2255	50	1790	B	242
65-09-21	0335		82	3550	B	786	66-08-24	0425	18	1000	B	49	66-08-24	0425	18	1000	B	49	66-08-24	0425	18	1000	B	49
65-09-21	0805		103	4240	B	1180	66-08-24	1525	8.2	513	B	11	66-08-24	1525	8.2	513	B	11	66-08-24	1525	8.2	513	B	11
65-09-21	1345		21	3870	B	219	66-08-25	0955	3.8	298	B	3.1	66-08-25	0955	3.8	298	B	3.1	66-08-25	0955	3.8	298	B	3.1
65-10-18	1230		8.0	101	B	2.2	66-08-31	0525	13	1700	B	60	66-08-31	0525	13	1700	B	60	66-08-31	0525	13	1700	B	60
65-12-28	0950		2.6	54	B	0.38	66-08-31	0630	189	5650	B	2880	66-08-31	0630	189	5650	B	2880	66-08-31					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

646

07327440 EAST BITTER CREEK NEAR TABLER, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)
67-03-25	1735		25	4550	B 307	67-09-27	0115		55	2880	B 428
67-03-25	1840		15	1110	B 45	67-09-27	0330		40	2690	B 291
67-03-26	0650		5.5	295	B 4.4	67-09-27	0745		17	2130	B 98
67-03-27	0850		2.7	49	B 0.36	67-09-27	1400		5.9	1610	B 26
67-03-31	1625		3.2	157	B 1.4	67-09-28	1025		1.4	303	B 1.1
67-04-03	0915		2.0	23	B 0.12	67-10-03	1425		0.40	108	B 0.12
67-04-09	1830		35	1870	B 177	67-10-07	0835		4.4	201	B 2.4
67-04-09	1940		75	4420	B 895	67-10-07	1230		9.4	521	B 13
67-04-09	2025		53	3260	B 467	67-10-07	1450		23	498	B 31
67-04-09	2155		71	3840	B 736	67-10-07	1735		21	733	B 42
67-04-09	2245		113	3480	B 1060	67-10-08	0940		2.3	303	B 1.9
67-04-10	0100		88	6110	B 1450	67-10-10	0915		0.80	149	B 0.32
67-04-10	0800		77	5540	B 1150	67-10-15	1515		22	630	B 37
67-04-10	0915		246	10400	B 6910	67-10-15	1610		28	1560	B 118
67-04-10	1015		271	8330	B 6100	67-10-16	0740		2.3	469	B 2.9
67-04-10	1320		108	3870	B 1130	67-10-17	1320		0.90	127	B 0.31
67-04-11	0900		6.8	743	B 14	67-10-31	0900		2.9	72	B 0.56
67-04-12	0555		2380	42200	B 271000	67-11-27	1555		1.3	67	B 0.24
67-04-12	0640		2470	36900	B 246000	67-12-18	0835		4.7	117	B 1.5
67-04-12	0820		1270	26200	B 89800	68-01-15	1350		1.7	18	B 0.08
67-04-12	1105		388	10900	B 11400	68-01-18	1425		8.8	389	B 9.2
67-04-12	1630		116	3870	B 1210	68-01-19	1405		7.2	142	B 2.8
67-04-13	0005		43	1050	B 122	68-02-24	1625		2.1	25	B 0.14
67-04-13	0910		209	8900	B 5020	68-03-11	1010		2.5	79	B 0.53
67-04-13	1700		37	1290	B 129	68-03-19	0215		165	8820	B 3930
67-04-14	1240		14	264	B 10	68-03-19	0335		172	7650	B 3550
67-04-17	1400		5.6	85	B 1.3	68-03-19	0510		130	5270	B 1850
67-04-20	1555		10.0	116	B 3.1	68-03-19	0630		85	3850	B 884
67-04-20	1615		13	1520	B 53	68-03-19	0915		48	2480	B 321
67-04-20	1635		320	10900	B 9420	68-03-20	1515		10.0	432	B 12
67-04-20	1645		879	41900	B 99400	68-03-21	0830		15	398	B 16
67-04-20	1715		1332	61800	B 222000	68-03-23	1455		5.6	125	B 1.9
67-04-20	1730		1470	38100	B 151000	68-04-15	0845		2.5	56	B 0.38
67-04-20	1820		1650	41300	B 184000	68-04-19	0400		14	442	B 17
67-04-20	1900		1270	29500	B 101000	68-04-19	0510		16	455	B 20
67-04-20	2015		579	18400	B 28800	68-04-19	0835		10.0	553	B 15
67-04-20	2155		291	10600	B 8330	68-04-19	1405		7.6	174	B 3.6
67-04-21	0625		64	1780	B 308	68-04-22	0840		8.8	536	B 13
67-04-21	1645		37	611	B 61	68-04-23	1120		4.7	107	B 1.4
67-05-01	1300		4.0	93	B 1.0	68-05-07	0120		18	693	B 34
67-05-05	2155		114	9310	B 2870	68-05-07	2230		30	606	B 49
67-05-05	2300		140	9570	B 3620	68-05-09	0425		14	529	B 20
67-05-06	0005		135	5460	B 1990	68-05-09	1340		13	465	B 16
67-05-06	0105		162	5640	B 2470	68-05-09	1740		14	302	B 11
67-05-06	0200		203	9600	B 5260	68-05-10	0410		8.5	214	B 4.9
67-05-06	0355		112	6300	B 1910	68-05-13	0820		4.5	161	B 2.0
67-05-06	0855		32	2530	B 219	68-05-13	1525		10.0	457	B 12
67-05-07	1340		5.5	197	B 2.9	68-05-13	1600		12	890	B 29
67-05-15	1430		3.1	58	B 0.49	68-05-14	0740		7.5	170	B 3.4
67-05-20	1330		512	10800	B 14900	68-05-20	0750		2.1	94	B 0.53
67-05-20	1355		48	3650	B 473	68-05-25	0945		6.4	216	B 3.7
67-05-20	1435		71	3360	B 644	68-05-25	1300		65	2420	B 425
67-05-20	1510		113	5990	B 1830	68-05-25	1405		104	4050	B 1140
67-05-20	1625		94	3970	B 1010	68-05-25	1555		120	2240	B 726
67-05-20	1810		65	1780	B 312	68-05-25	1710		196	5610	B 2970
67-05-21	1325		5.8	228	B 3.6	68-05-25	1825		148	6940	B 2770
67-05-22	1010		3.8	187	B 1.9	68-05-25	2150		53	4020	B 575
67-05-31	0820		18	365	B 18	68-05-26	0825		12	890	B 29
67-05-31	1555		10.0	217	B 5.9	68-05-27	0815		5.5	181	B 2.7
67-06-05	0730		2.2	112	B 0.67	68-05-29	2345		20	2460	B 133
67-06-13	1450		1.4	35	B 0.13	68-05-31	1755		64	7950	B 1370
67-06-25	1225		38	874	B 90	68-05-31	1850		71	4430	B 849
67-06-25	1250		36	665	B 65	68-05-31	1940		56	1750	B 265
67-06-25	1450		23	1240	B 77	68-05-31	2020		52	2860	B 402
67-06-26	0600		16	779	B 34	68-05-31	2110		39	1870	B 197
67-06-26	1340		12	407	B 13	68-06-01	0245		14	1150	B 43
67-06-27	0745		3.7	178	B 1.8	68-06-01	0515		64	1420	B 245
67-06-30	1250		0.90	68	B 0.17	68-06-01	0645		61	2270	B 374
67-07-05	0740		1.6	146	B 0.63	68-06-01	0950		41	913	B 101
67-07-05	0845		4.6	1950	B 24	68-06-01	1725		32	475	B 41
67-07-05	1035		3.9	251	B 2.6	68-06-01	2220		71	1780	B 341
67-07-06	1450		1.2	51	B 0.17	68-06-01	2340		58	3130	B 490
67-08-07	0725		0.20	66	B 0.04	68-06-02	1110		13	438	B 15
67-09-03	2320		46	3570	B 443	68-06-03	0805		6.9	171	B 3.2
67-09-04	1135		7.8	2480	B 52	68-06-05	1525		8.8	197	B 4.7
67-09-05	0735		40	1470	B 159	68-06-05	2020		21	624	B 35
67-09-05	1020		28	1640	B 124	68-06-06	0615		9.1	290	B 7.1
67-09-05	1605		13	985	B 35	68-06-07	0825		17	770	B 35
67-09-06	0730		2.4	195	B 1.3	68-06-07	0950		98	3010	B 796
67-09-21	0435		2.1	97	B 0.55	68-06-07	1035		95	4710	B 1210
67-09-21	0840		19	287	B 15	68-06-07	1250		56	1860	B 281
67-09-21	1025		21	1050	B 60	68-06-07	1655		25	1280	B 86
67-09-21	1320		10.0	741	B 20	68-06-07	2205		13	419	B 15
67-09-26	1120		0.40	76	B 0.08	68-06-08	0940		7.0	217	B 4.1
67-09-26	2020		4.9	1170	B 15	68-06-16	0635		7.9	370	B 7.9
67-09-26	2130		7.1	685	B 13	68-06-16	0805		46	1900	B 236
67-09-26	2220		24	1460	B 95	68-06-16	0905		48	1940	B 251
67-09-26	2255		43	1230	B 143	68-06-16	1300		14	906	B 34
67-09-27	0020		49	1080	B 143	68-06-17	0915		3.5	181	B 1.7

\*\*\*\*\*  
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## RED RIVER BASIN

07327440 EAST BITTER CREEK NEAR TABLER, OKLA.--CONTINUED

647

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
68-07-01	1445		0.60	142	8	0.23	69-05-03	1930	144	6720	8	2610
68-07-01	1630		203	20400	8	11200	69-05-03	2050	404	15600	8	17000
68-07-01	1655		391	14300	8	15100	69-05-03	2200	279	10400	8	7830
68-07-01	1715		495	10800	8	14400	69-05-04	0745	46	1440	8	179
68-07-01	1750		470	9970	8	12700	69-05-04	1415	26	660	8	46
68-07-01	1830		381	6810	8	7010	69-05-05	0630	49	295	8	39
68-07-01	1930		268	4030	8	2920	69-05-05	1035	76	1990	8	408
68-07-01	2110		165	2670	8	1190	69-05-05	1345	46	1110	8	138
68-07-01	2205		212	4030	8	2310	69-05-06	1225	14	223	8	8.4
68-07-01	2300		192	5040	8	2610	69-05-06	1810	37	398	8	40
68-07-02	0130		88	3850	8	915	69-05-06	1915	282	10900	8	8300
68-07-02	1515		10.0	840	8	23	69-05-06	1920	387	15500	8	16200
68-07-03	1505		3.9	293	8	3.1	69-05-07	0720	134	3350	8	1210
68-07-08	0755		1.8	104	8	0.51	69-05-07	0850	113	2540	8	775
68-07-13	1630		16	369	8	16	69-05-07	1410	74	1120	8	224
68-07-13	1700		44	369	8	44	69-05-08	0830	35	377	8	36
68-07-13	1730		68	6040	8	1110	69-05-11	1620	18	153	8	7.4
68-07-13	1800		108	3510	8	1020	69-05-12	0820	28	787	8	59
68-07-13	1930		70	2650	8	501	69-05-19	0820	12	85	8	2.8
68-07-13	2230		68	2520	8	463	69-06-09	0800	4.3	87	8	1.0
68-07-14	1000		6.0	1150	8	19	69-06-14	0005	9.5	126	8	3.2
68-07-15	0850		4.2	384	8	4.4	69-06-14	0030	298	21600	8	17400
68-07-18	0830		4.1	91	8	1.0	69-06-14	0100	519	15200	8	21300
68-07-18	1105		15	340	8	14	69-06-14	0200	1740	9470	8	44500
68-07-18	1450		8.4	595	8	13	69-06-14	0300	2130	18900	8	109000
68-07-18	2145		4.7	129	8	1.6	69-06-14	0355	2150	28600	8	166000
68-07-22	0805		1.2	99	8	0.32	69-06-14	0550	1050	19100	8	54100
68-08-12	0800		0.30	16	8	0.01	69-06-14	1340	113	2380	8	726
68-09-04	0600		42	688	8	78	69-06-15	0500	37	522	8	52
68-09-04	0630		121	3640	8	1190	69-06-16	0850	18	153	8	7.4
68-09-04	0735		197	4420	8	2350	69-06-23	1425	5.3	70	8	1.0
68-09-04	0810		270	6650	8	4850	69-07-14	0755	0.60	26	8	0.04
68-09-04	0840		348	8350	8	7850	69-07-21	0200	969	14100	8	36900
68-09-04	0930		321	11300	8	9790	69-07-21	0320	742	16100	8	32300
68-09-04	0945		290	8150	8	6380	69-07-21	0500	339	8320	8	7620
68-09-04	1100		176	7080	8	3360	69-07-21	0650	190	5430	8	2790
68-09-04	1145		125	6690	8	2260	69-07-21	1100	78	2140	8	451
68-09-04	1240		84	5580	8	1270	69-07-21	1705	29	959	8	75
68-09-04	1430		46	4170	8	518	69-07-22	0840	13	382	8	13
68-09-04	1855		15	2420	8	98	69-07-28	0805	2.3	53	8	0.33
68-09-05	1315		2.7	934	8	6.8	69-08-04	0805	1.8	13	8	0.06
68-09-11	0655		0.50	98	8	0.13	69-08-27	0800	2.1	136	8	0.77
68-09-23	0755		0.40	81	8	0.09	69-09-02	1445	1.4	67	8	0.25
68-09-24	0750		8.8	1820	8	43	69-09-16	0400	23	460	8	29
68-09-25	1245		1.3	161	8	0.57	69-09-16	0445	28	2590	8	196
68-10-05	0810		5.2	204	8	2.9	69-09-16	0555	73	3550	8	700
68-10-05	1125		12	938	8	30	69-09-16	0710	82	1880	8	416
68-10-05	1220		20	759	8	41	69-09-16	0800	82	4400	8	974
68-10-05	1420		19	435	8	22	69-09-16	0930	81	3940	8	862
68-10-07	0830		1.0	105	8	0.28	69-09-16	1005	84	4030	8	914
68-10-09	0345		62	6310	8	1060	69-09-16	1435	32	2610	8	226
68-10-09	0510		77	2340	8	486	69-09-17	0750	4.2	458	8	5.2
68-10-09	0615		98	3190	8	844	69-09-21	2110	5.7	153	8	2.4
68-10-09	0745		95	3420	8	877	69-09-21	2240	17	589	8	27
68-10-09	0810		106	3300	8	944	69-09-22	0055	13	328	8	12
68-10-09	1010		104	4320	8	1210	69-09-22	1250	5.5	173	8	2.6
68-10-09	1545		23	2900	8	180	69-09-22	2320	8.7	236	8	5.5
68-10-10	0755		3.5	883	8	8.3	69-09-23	0155	40	1600	8	173
68-10-14	0750		1.1	94	8	0.28	69-09-23	0350	70	1920	8	363
68-10-28	0855		1.0	58	8	0.16	69-09-23	0620	72	3350	8	651
68-11-15	0530		35	712	8	67	69-09-23	0740	52	2740	8	385
68-11-15	0730		64	746	8	129	69-09-23	1455	16	1310	8	57
68-11-15	0900		97	2050	8	537	69-09-29	1345	1.7	29	8	0.13
68-11-15	0925		94	2260	8	574	69-10-27	0920	2.4	19	8	0.12
68-11-15	1205		51	1470	8	202	69-12-15	0855	2.7	27	8	0.20
68-11-15	1355		31	1360	8	114	70-01-13	0915	3.0	9	8	0.07
68-11-16	1330		5.0	258	8	3.5	70-02-10	0850	2.5	0	8	0.00
68-11-18	0905		1.8	82	8	0.40	70-03-06	0855	3.4	50	8	0.46
68-11-26	1330		4.8	82	8	1.1	70-04-15	0900	2.3	15	8	0.09
68-11-26	1620		8.7	406	8	9.5	70-04-30	0720	14	232	8	8.8
68-12-02	0855		3.0	29	8	0.23	70-04-30	0835	82	2760	8	611
68-12-23	0910		2.1	58	8	0.33	70-04-30	0945	92	4820	8	1200
69-01-13	1615		2.3	13	8	0.08	70-04-30	1045	105	5310	8	1510
69-02-10	0835		2.1	18	8	0.10	70-04-30	1115	115	6420	8	1990
69-02-20	0905		10.0	318	8	8.6	70-04-30	1200	117	5520	8	1740
69-02-20	1345		16	145	8	6.3	70-04-30	1445	59	3040	8	484
69-02-24	0920		5.9	9	8	0.14	70-05-01	0805	7.7	563	8	12
69-03-17	0905		4.5	31	8	0.38	70-05-05	1310	2.3	83	8	0.52
69-03-23	1055		40	752	8	81	70-05-15	0005	59	286	8	46
69-03-23	1200		50	669	8	90	70-05-15	0105	190	8090	8	4150
69-03-23	1425		80	1940	8	419	70-05-15	0135	189	7130	8	3640
69-03-23	1715		66	1950	8	347	70-05-15	0235	351	13700	8	13000
69-03-24	0910		17	302	8	14	70-05-15	0305	348	17100	8	16100
69-04-01	0910		5.9	24	8	0.38	70-05-15	0405	251	12800	8	8670
69-04-14	0925		5.8	24	8	0.38	70-05-15	0535	162	7170	8	3140
69-04-21	0930		4.7	95	8	1.2	70-05-15	0730	94	4010	8	1020
69-04-26	2015		49	2460	8	325	70-05-15	1240	29	1810	8	142
69-04-27	1210		12	992	8	32	70-05-16	0800	7.7	439	8	9.1
69-04-28	1540		5.6	35	8	0.53	70-05-17	1325	3.4	136	8	1.2

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
70-05-29	0655	595		18200	B	29200	71-05-27	0400	17	1410	B	65
70-05-29	0700	587		17500	B	27700	71-05-27	0600	18	800	B	39
70-05-29	0855	311		13000	B	10900	71-05-27	0745	15	856	B	35
70-05-29	0945	237		7040	B	4500	71-05-31	2110	18	238	B	12
70-05-29	1215	113		3830	B	1170	71-05-31	2140	24	3040	B	197
70-05-29	1555	46		2060	B	256	71-05-31	2215	27	2540	B	185
70-05-30	0935	11		356	B	11	71-05-31	2320	29	1790	B	140
70-06-01	0155	10.0		340	B	9.2	71-06-01	0005	47	1730	B	220
70-06-15	1040	1.2		43	B	0.14	71-06-01	0730	30	5110	B	414
70-08-19	0730	0.50		493	B	0.67	71-06-01	1015	18	2210	B	107
70-08-19	0800	53		4650	B	665	71-06-01	1415	10.0	929	B	25
70-08-19	0900	94		6230	B	1580	71-06-02	0750	2.8	434	B	3.3
70-08-19	0920	87		6260	B	1470	71-06-02	2255	13	901	B	32
70-08-19	0930	83		6400	B	1430	71-06-02	2340	254	11600	B	7960
70-08-19	1140	38		4620	B	474	71-06-03	0010	422	17000	B	19400
70-08-19	1535	12		2700	B	87	71-06-03	0040	397	14300	B	15300
70-08-20	0805	1.0		468	B	1.3	71-06-03	0110	335	8730	B	7900
70-09-14	1440	2.3		676	B	4.2	71-06-03	0245	181	4190	B	2050
70-09-22	1415	508		7580	B	10400	71-06-03	0345	218	9020	B	5310
70-09-22	1515	654		6450	B	11400	71-06-03	0415	386	14400	B	15000
70-09-22	1530	676		8540	B	15600	71-06-03	0445	553	15900	B	23700
70-09-22	1615	728		7600	B	14900	71-06-03	0510	596	11000	B	17700
70-09-22	1920	1100		9030	B	26800	71-06-03	0615	517	12300	B	17200
70-09-22	2115	1220		12200	B	40200	71-06-03	0715	647	17700	B	30900
70-09-23	0100	578		5880	B	9180	71-06-03	0745	652	24100	B	42400
70-09-23	0200	474		4780	B	6120	71-06-03	0810	601	19300	B	31300
70-09-23	0530	243		3050	B	2000	71-06-03	0910	399	14300	B	15400
70-09-23	0645	182		3000	B	1470	71-06-03	1030	224	8870	B	5360
70-09-23	0825	124		2260	B	757	71-06-03	1315	93	4710	B	1180
70-09-23	1620	31		1080	B	90	71-06-04	0045	17	986	B	45
70-09-24	0810	8.2		494	B	11	71-06-04	1315	8.8	455	B	11
70-09-28	0840	1.1		39	B	0.12	71-06-07	0800	2.0	130	B	0.70
70-10-05	1250	68		2560	B	470	71-06-08	0200	114	6070	B	1870
70-10-05	1410	77		2210	B	459	71-06-08	0230	452	22000	B	26800
70-10-05	1515	94		2670	B	678	71-06-08	0300	465	19700	B	24700
70-10-05	1620	114		5320	B	1640	71-06-08	0355	351	12800	B	12100
70-10-05	1755	86		4880	B	1130	71-06-08	0600	159	7380	B	3170
70-10-05	2055	41		4140	B	458	71-06-08	0735	99	4610	B	1230
70-10-06	0145	18		1890	B	92	71-06-08	1030	50	2830	B	382
70-10-06	0945	7.8		1220	B	26	71-06-08	1345	31	1610	B	135
70-10-06	1455	5.3		866	B	12	71-06-08	2305	17	678	B	31
70-10-07	1155	2.3		214	B	1.3	71-06-09	1240	8.5	466	B	11
70-10-07	2215	49		2530	B	335	71-06-12	0250	26	1010	B	71
70-10-07	2315	47		3070	B	390	71-06-12	0350	122	5640	B	1860
70-10-08	0205	18		2190	B	106	71-06-12	0450	320	13200	B	11400
70-10-08	0900	15		2450	B	99	71-06-12	0520	342	12400	B	11500
70-10-08	1040	72		3390	B	659	71-06-12	0620	285	8040	B	6190
70-10-08	1245	47		2330	B	296	71-06-12	0820	191	5670	B	2920
70-10-08	1410	34		3950	B	363	71-06-12	1050	113	3800	B	1160
70-10-08	1525	35		2940	B	278	71-06-12	1445	46	2020	B	251
70-10-08	1715	32		2350	B	203	71-06-12	2155	17	760	B	35
70-10-09	0005	11		1290	B	38	71-06-13	0950	10.0	388	B	10
70-10-09	1335	4.7		531	B	6.7	71-06-21	0410	51	170	B	23
70-10-12	0835	1.3		64	B	0.22	71-06-21	0425	52	1330	B	187
70-10-22	2155	16		1170	B	51	71-06-21	0510	44	3170	B	377
70-10-22	2255	12		2120	B	69	71-06-21	0810	17	1660	B	76
70-10-22	2345	20		783	B	42	71-06-21	1340	8.9	689	B	17
70-10-23	0145	22		952	B	57	71-07-02	0850	6.4	597	B	10
70-10-23	0245	17		1630	B	75	71-07-02	1520	2.3	256	B	1.6
70-10-23	0440	11		687	B	20	71-07-02	2035	11	415	B	12
70-10-23	1350	3.4		210	B	1.9	71-07-02	2135	15	413	B	17
70-10-25	0900	1.6		69	B	0.30	71-07-03	0025	10.0	426	B	12
70-11-09	0850	1.3		69	B	0.24	71-07-23	2115	11	200	B	5.9
70-11-23	0840	1.1		41	B	0.12	71-07-23	2225	13	448	B	16
70-12-07	0850	1.7		32	B	0.15	71-07-23	2325	10.0	779	B	21
70-12-21	1055	1.8		34	B	0.17	71-07-28	1025	4.7	191	B	2.4
71-01-04	1510	1.8		42	B	0.20	71-07-28	1505	2.2	680	B	4.0
71-02-16	1320	1.9		70	B	0.36	71-08-02	0800	0.10	94	B	0.03
71-02-22	1315	4.6		531	B	6.6	71-08-09	0005	4.5	1200	B	15
71-03-01	0930	2.3		54	B	0.34	71-08-09	0725	1.6	362	B	1.6
71-03-29	1605	1.9		185	B	0.95	71-08-14	0150	7.2	139	B	2.7
71-04-12	0835	1.6		100	B	0.43	71-08-14	0345	12	426	B	14
71-04-26	0725	1.2		180	B	0.58	71-08-14	0545	14	547	B	21
71-05-10	0805	2.5		90	B	0.61	71-08-14	0750	22	788	B	47
71-05-23	0905	21		465	B	26	71-08-14	1020	97	1770	B	464
71-05-23	1005	25		3620	B	244	71-08-14	1240	104	1380	B	388
71-05-23	1105	24		2160	B	140	71-08-14	1440	72	2050	B	399
71-05-23	1215	37		2500	B	250	71-08-14	1620	48	2510	B	325
71-05-23	1335	32		2930	B	253	71-08-14	2215	15	1170	B	47
71-05-23	1505	19		2150	B	110	71-08-15	0110	37	1680	B	168
71-05-23	1605	18		3590	B	174	71-08-15	0415	33	1110	B	99
71-05-23	1705	16		4610	B	199	71-08-15	0835	10.0	1010	B	27
71-05-23	1835	11		2710	B	80	71-08-16	2205	5.1	182	B	2.5
71-05-23	2215	7.8		867	B	18	71-08-16	2305	13	456	B	16
71-05-23	2315	67		4680	B	847	71-08-17	0800	2.2	397	B	2.4
71-05-24	0115	21		965	B	55	71-08-30	0800	0.10	127	B	0.03
71-05-24	0740	4.2		713	B	8.1	71-09-18	0325	116	1390	B	435
71-05-27	0025	8.9		395	B	9.5	71-09-18	0410	260	4610	B	3240
71-05-27	0225	14		1260	B	48	71-09-18	0510	434	6900	B	8090

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	
71-09-18	0735	310		3480	B	2910	72-05-12	1050	262	6390	B	4520
71-09-18	0935	189		3260	B	1660	72-05-12	1315	130	3350	B	1180
71-09-18	1140	97		4300	B	1130	72-05-12	2025	40	1020	B	110
71-09-18	1900	17		1920	B	84	72-05-13	0910	18	358	B	17
71-09-19	0835	3.7		798	B	8.0	72-05-22	0820	4.1	138	B	1.5
71-09-20	0750	2.5		205	B	1.4	72-06-05	0750	2.3	64	B	0.40
71-09-24	1500	40		3470	B	375	72-07-03	1015	9.1	280	B	6.9
71-09-24	1600	250		7310	B	4930	72-07-03	1235	7.1	100	B	1.9
71-09-24	1700	509		7060	B	9700	72-07-17	0815	0.10	131	B	0.04
71-09-24	1755	526		6030	B	8560	72-07-31	0735	0.10	186	B	0.05
71-09-24	1950	401		4390	B	4750	72-10-22	1425	13	813	B	29
71-09-24	2025	366		4650	B	4600	72-10-24	1330	0.60	182	B	0.29
71-09-24	2130	295		5130	B	4090	72-10-30	1510	137	938	B	347
71-09-25	0005	130		3040	B	1070	72-10-30	1605	508	4530	B	6210
71-09-25	0805	22		1270	B	75	72-10-30	1710	619	4790	B	8010
71-09-25	1345	12		793	B	26	72-10-30	1805	543	3640	B	5340
71-09-25	2230	6.2		441	B	7.4	72-10-30	1940	469	3140	B	3980
71-09-27	0735	2.8		204	B	1.5	72-10-30	2040	404	4080	B	4450
71-10-02	1850	143		9050	B	3490	72-10-30	2210	271	3660	B	2680
71-10-02	1925	277		11500	B	8600	72-10-31	0030	163	2410	B	1060
71-10-02	1955	568		23400	B	35900	72-10-31	0430	59	1580	B	252
71-10-02	2100	1350		18500	B	67400	72-10-31	0835	28	1200	B	91
71-10-02	2205	2300		17800	B	111000	72-10-31	1025	158	3190	B	1360
71-10-02	2325	2510		16000	B	108000	72-10-31	1305	611	4990	B	8230
71-10-03	0120	1250		12000	B	40500	72-10-31	1335	746	7140	B	14400
71-10-03	0520	422		7600	B	8660	72-10-31	1405	825	7940	B	17700
71-10-03	0920	155		2020	B	845	72-10-31	1610	763	5500	B	11300
71-10-03	1200	100		2210	B	597	72-10-31	1840	568	4130	B	6330
71-10-04	0810	23		390	B	24	72-10-31	2335	161	1950	B	848
71-10-13	0830	2.7		58	B	0.42	72-11-01	0200	149	2820	B	1130
71-10-20	0745	13		374	B	13	72-11-01	0705	130	1700	B	597
71-10-26	1030	3.3		51	B	0.45	72-11-01	1540	36	713	B	69
71-10-27	1450	10.0		253	B	6.8	72-11-02	1030	10.0	219	B	5.9
71-11-08	1020	2.8		25	B	0.19	72-11-03	1530	5.0	90	B	1.2
71-12-06	0905	4.8		107	B	1.4	72-11-08	1400	2.4	35	B	0.23
71-12-14	1910	25		320	B	22	72-11-12	2235	11	74	B	2.2
71-12-14	2120	211		3950	B	2250	72-11-13	0010	44	1560	B	185
71-12-14	2230	441		9230	B	11000	72-11-13	0110	50	2150	B	290
71-12-14	2340	414		11000	B	12300	72-11-13	0310	38	1700	B	174
71-12-15	0850	75		1360	B	275	72-11-13	0510	35	1610	B	152
71-12-15	1610	37		602	B	60	72-11-13	0715	33	984	B	88
71-12-16	0940	15		241	B	9.8	72-11-13	1120	16	854	B	37
71-12-20	0950	7.0		60	B	1.1	72-11-21	0915	3.6	59	B	0.57
71-12-30	1440	8.8		176	B	4.2	72-12-19	1315	3.8	31	B	0.32
72-01-03	0900	5.5		24	B	0.36	73-01-03	1115	51	1600	B	220
72-01-03	1340	5.8		75	B	1.2	73-01-16	1410	9.1	44	B	1.1
72-02-28	1000	4.0		37	B	0.40	73-01-22	0925	14	285	B	11
72-03-13	1010	3.4		44	B	0.40	73-01-26	0905	90	2390	B	581
72-03-21	0835	19		1530	B	78	73-01-26	1135	69	2860	B	533
72-03-27	0845	4.0		102	B	1.1	73-01-26	1305	55	2150	B	319
72-04-10	0900	3.3		81	B	0.72	73-01-27	1045	16	209	B	9.0
72-04-15	0615	34		555	B	51	73-01-31	0900	10.0	74	B	2.0
72-04-15	0835	78		2770	B	583	73-02-14	1035	7.6	20	B	0.41
72-04-15	1045	58		3410	B	534	73-02-28	1420	7.4	34	B	0.68
72-04-15	1315	53		2890	B	414	73-03-06	0500	162	5530	B	2420
72-04-15	1615	28		2560	B	194	73-03-06	0530	238	9610	B	6180
72-04-15	1910	17		1340	B	62	73-03-06	0630	520	28600	B	40200
72-04-17	0855	4.3		141	B	1.6	73-03-06	0635	577	34300	B	53400
72-04-20	0415	23		2900	B	180	73-03-06	0720	690	21600	B	40200
72-04-20	0615	52		1480	B	208	73-03-06	0755	592	26400	B	42200
72-04-20	0720	62		2080	B	348	73-03-06	0850	428	19800	B	22900
72-04-20	0930	70		2200	B	416	73-03-06	1000	281	12600	B	9560
72-04-20	1345	34		1360	B	125	73-03-06	1400	114	4960	B	1530
72-04-20	1850	15		734	B	30	73-03-06	2100	48	1420	B	184
72-04-21	0845	22		305	B	18	73-03-07	0920	23	483	B	30
72-04-21	0945	25		408	B	28	73-03-08	1625	15	133	B	5.4
72-04-21	1130	20		413	B	22	73-03-10	0710	39	1090	B	115
72-04-21	1505	12		440	B	14	73-03-10	0805	111	4990	B	1500
72-04-24	0855	4.0		129	B	1.4	73-03-10	0905	194	7220	B	3780
72-04-27	0205	18		376	B	18	73-03-10	0935	208	8330	B	4680
72-04-27	0335	150		4760	B	1930	73-03-10	1020	229	6640	B	4110
72-04-27	0500	194		5750	B	3010	73-03-10	1105	264	9780	B	6970
72-04-27	0705	160		4100	B	1770	73-03-10	1205	303	8600	B	7040
72-04-27	0835	120		5590	B	1810	73-03-10	1235	304	13800	B	11300
72-04-27	0935	93		4820	B	1210	73-03-10	1305	299	14200	B	11500
72-04-27	1105	62		3160	B	529	73-03-10	1510	195	8860	B	4660
72-04-27	1345	36		2450	B	238	73-03-10	1935	80	2120	B	458
72-04-27	2035	17		1160	B	53	73-03-11	0200	47	835	B	106
72-04-28	1110	9.5		277	B	7.1	73-03-11	1330	26	297	B	21
72-04-30	0155	22		1650	B	98	73-03-12	0840	19	190	B	9.7
72-04-30	0255	25		1010	B	68	73-03-23	1705	42	1470	B	167
72-04-30	0655	18		385	B	19	73-03-23	2010	59	1760	B	280
72-05-01	1305	6.0		211	B	3.4	73-03-23	2205	172	6480	B	3010
72-05-08	0810	5.3		136	B	1.9	73-03-23	2235	243	7230	B	4740
72-05-12	0320	22		206	B	12	73-03-23	2335	341	10700	B	9850
72-05-12	0450	102		3090	B	851	73-03-24	0035	417	10800	B	12200
72-05-12	0615	230		4850	B	3010	73-03-24	0105	537	16000	B	23200
72-05-12	0725	356		9040	B	8690	73-03-24	0130	651	23900	B	42000
72-05-12	0820	383		10700	B	11100	73-03-24	0200	648	26200	B	45800

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\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-03-24	0300	494	17200	B	22900	73-06-02	2350	181	1900	B	929
73-03-24	0600	213	6390	B	3670	73-06-03	1015	90	623	B	151
73-03-24	1220	88	2200	B	523	73-06-04	2255	3280	46200	B	409000
73-03-24	1705	74	1420	B	284	73-06-04	2340	3780	35700	B	364000
73-03-24	1830	239	10200	B	6580	73-06-05	0110	2930	25700	B	203000
73-03-24	1930	263	9790	B	6950	73-06-05	0245	815	17700	B	38900
73-03-24	2145	466	16500	B	20800	73-06-05	0650	311	5760	B	4840
73-03-25	0015	519	16600	B	23300	73-06-05	1305	177	2040	B	975
73-03-25	0505	290	6620	B	5180	73-06-06	0915	78	508	B	107
73-03-25	1010	140	2160	B	816	73-06-16	1820	55	1050	B	156
73-03-26	1110	43	270	B	31	73-06-16	2120	57	1750	B	269
73-04-10	1515	20	46	B	2.5	73-06-17	0025	61	943	B	155
73-04-15	1405	53	1830	B	262	73-06-18	2010	122	5750	B	1890
73-04-15	1800	70	2090	B	395	73-06-18	2045	204	7140	B	3930
73-04-15	2100	95	2360	B	605	73-06-18	2105	213	7890	B	4540
73-04-16	0030	96	1640	B	425	73-06-18	2235	142	3780	B	1450
73-04-16	0655	42	665	B	75	73-06-19	0035	82	1670	B	370
73-04-17	1055	22	137	B	8.1	73-06-19	0435	85	1640	B	376
73-04-19	0405	50	3790	B	512	73-06-19	0640	122	4010	B	1320
73-04-19	0625	98	2740	B	725	73-06-19	0910	107	2960	B	855
73-04-19	0725	97	4120	B	1080	73-06-19	1445	48	1620	B	210
73-04-19	1100	110	3930	B	1170	73-07-02	0810	12	97	B	3.1
73-04-19	1445	59	1610	B	256	73-07-22	2330	79	3690	B	787
73-04-20	1030	24	151	B	9.8	73-07-23	0130	184	5680	B	2820
73-04-24	1505	19	93	B	4.8	73-07-23	0300	207	6490	B	3630
73-05-06	1320	57	3360	B	517	73-07-23	0325	214	5700	B	3290
73-05-06	1420	93	3280	B	824	73-07-23	0425	207	6930	B	3870
73-05-06	1450	110	5370	B	1590	73-07-23	0730	100	3490	B	942
73-05-06	1715	82	2550	B	565	73-07-23	1300	30	1190	B	96
73-05-06	1840	100	3980	B	1070	73-07-30	1500	24	227	B	15
73-05-06	2040	71	4010	B	769	73-07-31	0325	71	3670	B	704
73-05-07	0010	39	1460	B	154	73-07-31	0425	55	4130	B	613
73-05-07	1345	19	157	B	8.1	73-07-31	1530	17	348	B	16
73-05-23	0035	118	6060	B	1930	73-08-09	0505	101	2450	B	668
73-05-23	0135	313	12800	B	10800	73-08-09	0525	130	5930	B	2080
73-05-23	0205	351	15500	B	14700	73-08-09	0555	152	10100	B	4150
73-05-23	0235	328	13000	B	11500	73-08-09	0625	144	5870	B	2280
73-05-23	0305	296	10400	B	8310	73-08-09	0730	99	2380	B	636
73-05-23	0400	252	7270	B	4950	73-08-09	1440	19	355	B	18
73-05-23	0500	219	7470	B	4420	73-08-13	1445	5.5	63	B	0.94
73-05-23	0725	116	4500	B	1410	73-08-28	1250	3.7	52	B	0.52
73-05-23	1330	35	1780	B	168	73-09-04	0400	290	23100	B	18100
73-05-24	1725	181	9480	B	4630	73-09-04	0430	488	24200	B	31900
73-05-24	1745	765	38300	B	79100	73-09-04	0530	332	13400	B	12000
73-05-24	1815	2730	67700	B	499000	73-09-04	0755	117	6130	B	1940
73-05-24	1845	4390	23600	B	280000	73-09-04	1245	50	2210	B	298
73-05-24	1910	4420	27500	B	328000	73-09-06	1505	73	1550	B	306
73-05-24	1940	4330	56100	B	656000	73-09-06	1705	96	2160	B	560
73-05-24	2010	4370	19800	B	234000	73-09-06	2110	54	1410	B	206
73-05-24	2110	4590	17000	B	211000	73-09-07	1000	17	320	B	15
73-05-24	2135	4190	14500	B	164000	73-09-11	1240	6.6	81	B	1.4
73-05-24	2235	2070	16900	B	94500	73-09-12	2255	12	186	B	6.0
73-05-24	2330	1180	14400	B	45900	73-09-12	2355	38	5960	B	611
73-05-25	0335	332	5290	B	4740	73-09-13	0125	101	5370	B	1460
73-05-25	1235	118	1370	B	436	73-09-13	0230	110	3690	B	1100
73-05-26	0850	50	380	B	51	73-09-13	0330	209	9830	B	5550
73-05-29	1245	16	78	B	3.4	73-09-13	0400	295	16000	B	12700
73-05-31	0105	63	699	B	119	73-09-13	0525	249	9000	B	6050
73-05-31	0205	96	4920	B	1280	73-09-13	0915	79	3050	B	651
73-05-31	0300	97	8900	B	2330	73-09-13	1940	23	708	B	44
73-05-31	0430	192	5960	B	3090	73-09-14	1520	12	184	B	6.0
73-05-31	0455	311	13700	B	11500	73-09-25	1250	6.4	90	B	1.6
73-05-31	0525	669	19800	B	35800	73-09-26	1440	24	521	B	34
73-05-31	0625	884	15300	B	36500	73-09-26	1610	76	4890	B	1000
73-05-31	0725	1090	14100	B	41500	73-09-26	1745	105	4330	B	1230
73-05-31	0755	1140	29000	B	89300	73-09-26	1945	116	3310	B	1040
73-05-31	1025	492	10800	B	14300	73-09-26	2215	137	2760	B	1020
73-05-31	1335	214	3820	B	2210	73-09-27	0630	61	854	B	141
73-05-31	1955	82	1230	B	272	73-09-27	1350	80	838	B	181
73-06-01	0830	44	377	B	45	73-09-28	0005	26	362	B	25
73-06-01	1025	100	3580	B	967	73-10-04	0910	33	1880	B	168
73-06-01	1055	146	6550	B	2580	73-10-04	1110	12	459	B	15
73-06-01	1125	203	5430	B	2980	73-10-09	1250	13	66	B	2.3
73-06-01	1220	238	6570	B	4220	73-10-11	0405	13	1130	B	40
73-06-01	1355	209	3610	B	2040	73-10-11	0600	13	2300	B	81
73-06-01	1425	342	8880	B	8200	73-10-11	1100	13	2130	B	75
73-06-01	1455	426	19800	B	22800	73-10-11	1855	12	483	B	16
73-06-01	1525	415	16200	B	18200	73-10-27	0555	53	1190	B	170
73-06-01	2025	133	2380	B	855	73-10-27	0755	100	3270	B	883
73-06-02	0120	72	2550	B	496	73-10-27	0825	108	4720	B	1380
73-06-02	0320	924	34000	B	84800	73-10-27	0955	73	2590	B	510
73-06-02	0350	1180	29400	B	93700	73-10-27	1305	34	1640	B	151
73-06-02	0425	1420	25600	B	98200	73-10-27	1755	20	856	B	46
73-06-02	0455	1870	31600	B	160000	73-11-06	1400	8.2	49	B	1.1
73-06-02	0525	2180	50200	B	295000	73-11-19	1005	7.2	75	B	1.5
73-06-02	0600	2220	33000	B	198000	73-11-20	1330	70	984	B	186
73-06-02	0630	1980	23700	B	127000	73-11-21	1350	28	351	B	27
73-06-02	0830	738	16700	B	33300	73-11-26	1040	25	103	B	7.0
73-06-02	1350	463	8880	B	11100	73-12-03	1050	14	104	B	3.9

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327440 EAST BITTER CREEK NEAR TABLER, OKLA.--CONTINUED

651

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)
73-12-17	1055		9.2	17	B	0.42	74-11-03	0700	17	368	B	17					
74-01-14	1040		9.0	64	B	1.6	74-11-03	1130	47	854	B	108					
74-02-12	1030		6.8	61	B	1.1	74-11-03	1230	51	1420	B	196					
74-02-21	1245		50	2100	B	283	74-11-03	1730	29	543	B	43					
74-02-21	1505		35	1530	B	145	74-11-03	1930	35	614	B	58					
74-02-22	0900		13	223	B	7.8	74-11-04	0830	16	287	B	12					
74-02-25	1050		7.6	41	B	0.84	74-11-11	1105	8.2	37	R	0.82					
74-03-10	1545		59	1590	B	253	74-12-09	1125	4.9	22	B	0.29					
74-03-10	1835	269		10800	B	7840	75-01-02	1110	92	1990	R	494					
74-03-11	0950		33	764	B	68	75-01-06	1045	8.2	53	R	1.2					
74-03-11	1430		26	472	B	33	75-01-20	1050	6.6	4	R	0.07					
74-03-12	1200		14	145	B	5.5	75-02-03	0920	20	144	B	7.8					
74-04-02	1000		7.8	90	B	1.9	75-02-18	1150	12	42	B	1.4					
74-04-11	0405		32	893	B	77	75-03-03	0935	9.5	39	B	1.0					
74-04-11	0710		78	2290	B	482	75-03-17	1120	11	69	B	2.0					
74-04-11	0840		85	2600	B	597	75-03-27	1200	49	1330	B	176					
74-04-11	1040	109		2710	B	798	75-03-31	1040	15	22	B	0.89					
74-04-11	1225		81	3170	B	693	75-04-07	1955	20	770	B	42					
74-04-11	1735		32	1160	B	100	75-04-07	2155	67	3440	B	622					
74-04-12	0330		17	330	B	15	75-04-08	0055	65	1610	B	283					
74-04-16	0935		8.6	51	B	1.2	75-04-08	0255	82	3010	R	666					
74-04-29	0940		11	85	B	2.5	75-04-08	0855	37	1510	B	151					
74-04-29	2015		18	201	B	9.8	75-04-08	1850	22	181	B	11					
74-04-29	2215		62	4020	B	673	75-04-14	1035	16	53	B	2.3					
74-04-29	2245	211		17100	B	9740	75-04-28	1030	12	144	R	4.7					
74-04-29	2315	528		23000	B	32800	75-04-29	2310	48	2300	B	298					
74-04-30	0215	1250		10200	B	34400	75-04-29	2340	153	7810	B	3230					
74-04-30	0445	420		8270	B	9380	75-04-30	0010	242	15900	B	10400					
74-04-30	0900	151		3320	B	1350	75-04-30	0110	262	10900	B	7710					
74-04-30	1915	49		891	B	118	75-04-30	0240	160	8400	B	3630					
74-05-01	0955	28		298	B	23	75-04-30	0405	92	3690	B	917					
74-05-02	1515	48		570	B	74	75-04-30	1340	24	455	B	29					
74-05-03	1220	26		173	B	12	75-05-02	2055	25	491	B	33					
74-05-13	0930	10.0		60	B	1.6	75-05-02	2235	50	2170	B	293					
74-05-25	0700	11		59	B	1.8	75-05-03	0005	92	3140	B	780					
74-05-25	1305	41		502	B	56	75-05-03	0100	116	6750	B	2110					
74-05-25	1405	45		2840	B	345	75-05-03	0130	103	7940	R	2210					
74-05-25	1505	88		4760	B	1130	75-05-03	0300	70	7420	R	1400					
74-05-25	1705	36		678	B	66	75-05-03	0735	31	2820	B	236					
74-05-25	2305	21		399	B	23	75-05-03	1430	19	544	B	28					
74-05-28	0930	8.2		92	B	2.0	75-05-12	1025	8.2	129	B	2.9					
74-06-06	1900	21		346	B	20	75-05-13	1855	20	469	B	25					
74-06-06	2050	27		5250	B	383	75-05-13	2155	46	1160	B	144					
74-06-06	2250	18		1460	B	71	75-05-13	2345	87	4550	B	1070					
74-06-07	0055	43		1590	B	185	75-05-14	0115	63	5210	B	886					
74-06-07	0255	30		1750	B	142	75-05-14	0445	39	2950	B	311					
74-06-07	0550	18		854	B	42	75-05-14	0845	54	942	B	137					
74-06-24	1020	3.4		53	B	0.49	75-05-14	1545	32	476	B	41					
74-07-22	1025	1.1		68	B	0.20	75-05-15	0645	16	190	R	8.2					
74-08-05	0915	1.2		99	B	0.32	75-05-22	1845	38	3260	R	334					
74-08-09	2200	70		7100	B	1340	75-05-22	1915	188	12500	R	6340					
74-08-09	2250	151		4990	B	2030	75-05-22	1945	710	41300	B	79200					
74-08-09	2350	160		3030	B	1310	75-05-22	2110	2000	29400	B	159000					
74-08-10	0150	87		3960	B	930	75-05-22	2240	2200	22700	B	135000					
74-08-10	0250	62		1630	B	273	75-05-23	0005	1410	15900	B	60500					
74-08-10	0555	130		2400	B	842	75-05-23	0215	1040	11600	R	32600					
74-08-10	0655	299		3840	B	3100	75-05-23	0445	880	13100	R	31100					
74-08-10	0755	661		35600	B	63500	75-05-23	0710	567	6870	R	10500					
74-08-10	0955	643		13600	B	23600	75-05-23	1540	186	1920	B	964					
74-08-10	1555	89		1260	B	303	75-05-24	1440	81	458	B	100					
74-08-10	2320	27		1080	B	79	75-05-26	1125	33	159	B	14					
74-08-11	0420	16		705	B	30	75-05-27	1010	26	179	B	13					
74-08-12	1110	4.6		67	B	0.83	75-05-28	0900	55	646	B	96					
74-08-19	1020	1.7		33	B	0.15	75-05-28	1155	109	1530	B	450					
74-09-03	0955	2.8		93	B	0.70	75-05-28	1525	121	1440	B	470					
74-09-16	0955	6.3		232	B	3.9	75-05-28	2255	59	526	B	84					
74-10-01	1015	2.4		103	B	0.67	75-05-29	0620	44	282	B	34					
74-10-15	1000	3.3		6	B	0.05	75-05-29	1120	65	354	B	62					
74-10-28	0700	22		298	B	18	75-05-29	1620	82	494	B	109					
74-10-28	0800	42		793	B	90	75-05-29	2350	55	259	B	38					
74-10-28	1000	32		1070	B	92	75-05-30	1715	40	156	B	17					
74-10-28	1200	106		2360	B	675	75-06-07	0140	46	461	R	57					
74-10-28	1500	46		2830	B	351	75-06-07	0240	48	2680	R	347					
74-10-28	1830	21		1450	B	82	75-06-07	0440	58	962	B	151					
74-10-29	1035	6.5		311	B	5.5	75-06-07	0635	86	1770	R	411					
74-10-30	1635	47		4430	B	562	75-06-07	1340	38	562	B	58					
74-10-30	1735	152		4770	B	1960	75-06-08	0145	31	184	R	15					
74-10-30	1835	290		10300	B	8060	75-06-09	1015	25	58	B	3.9					
74-10-30	1935	316		6370	B	5430	75-06-10	0040	30	333	B	27					
74-10-30	2035	394		6670	B	7100	75-06-10	0140	134	6880	R	2490					
74-10-30	2135	451		12600	B	15300	75-06-10	0240	432	9780	R	11400					
74-10-30	2235	385		11500	B	12000	75-06-10	0340	593	13800	R	22100					
74-10-31	0035	263		5300	B	3760	75-06-10	0440	533	8760	R	12600					
74-10-31	0235	171		3730	B	1720	75-06-10	0540	655	14900	B	26400					
74-10-31	0435	114		2330	B	717	75-06-10	0740	469	7330	R	9280					
74-10-31	1535	43		472	B	55	75-06-10	1210	182	2520	B	1240					
74-11-02	1600	29		265	B	21	75-06-10	2215	76	471	B	97					
74-11-02	1700	32		407	B	35	75-06-12	1405	33	119	B	11					
74-11-02	2005	21		556	B	32	75-06-17	0640	50	233	B	31					

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

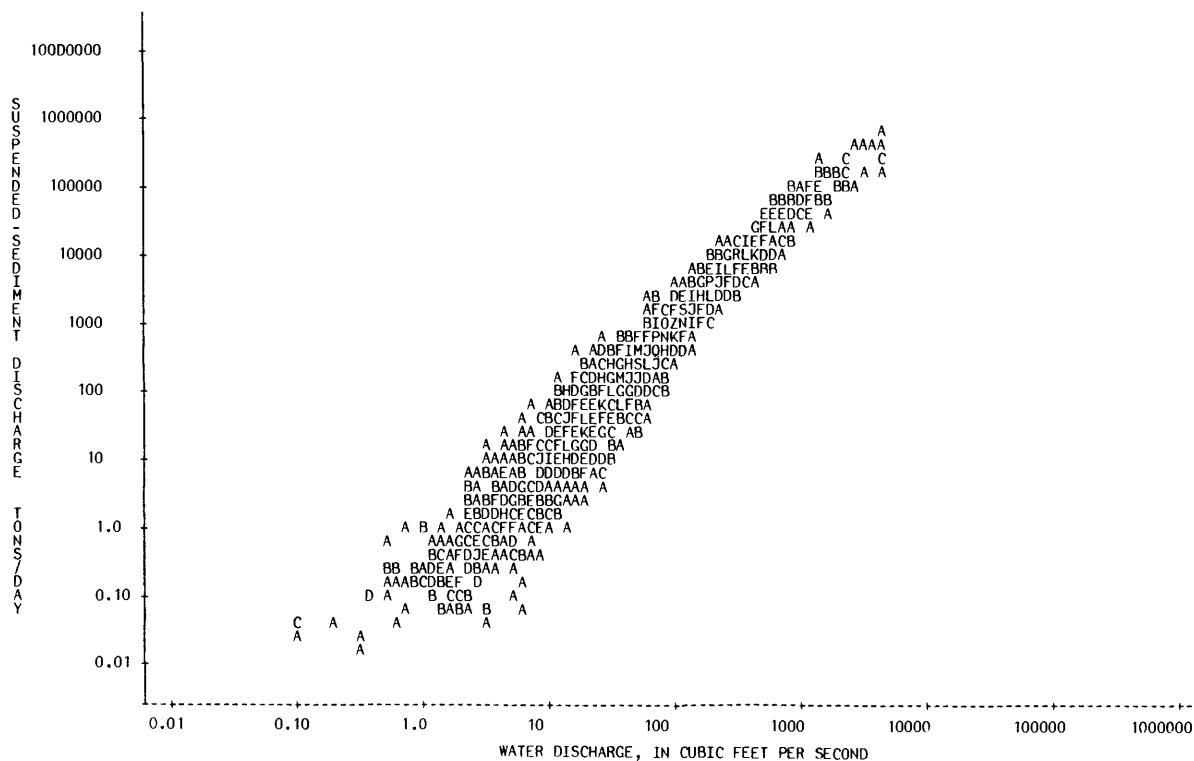
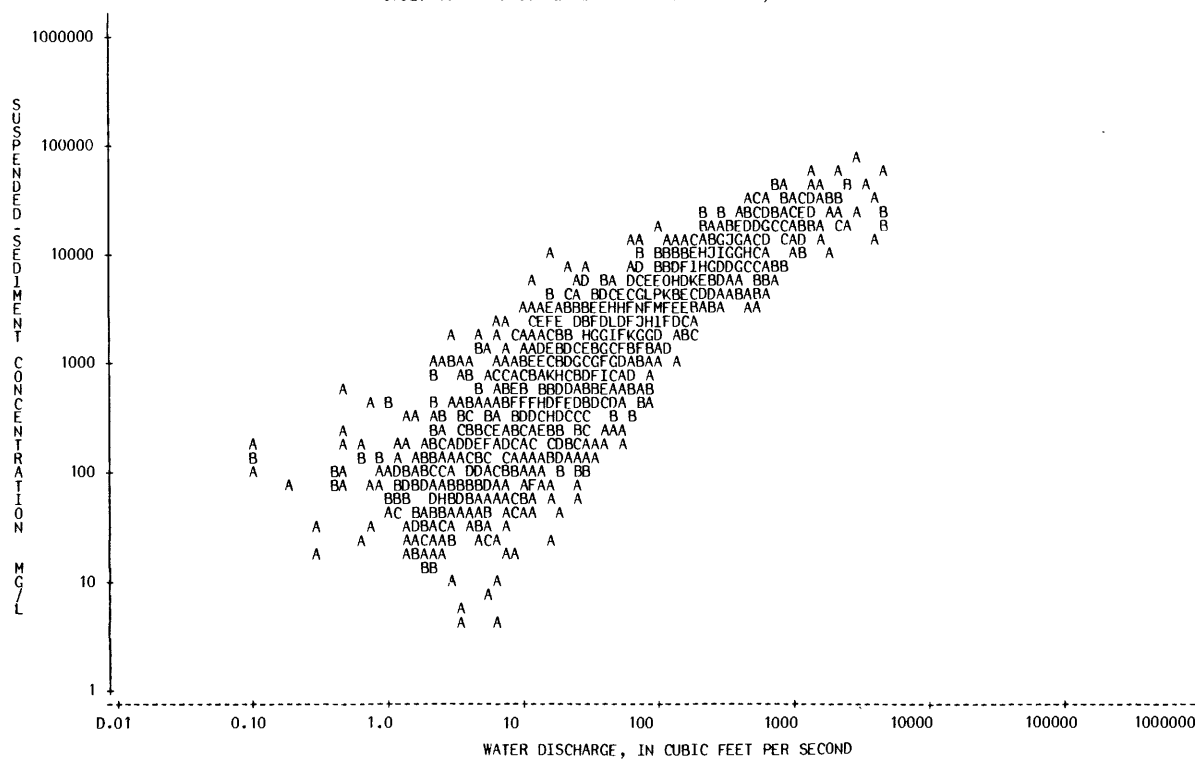
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-06-17	0840	175	4230	B	2000	76-09-13	1210	18	1050	B	51
75-06-17	0940	192	7380	B	3830	76-09-14	0915	3.3	288	B	2.6
75-06-17	1140	116	3780	B	1180	76-09-28	1000	1.3	87	B	0.31
75-06-17	1725	53	673	B	96	76-10-13	0955	1.0	58	B	0.16
75-06-17	1040	28	114	B	8.6	76-10-27	1010	1.6	17	B	0.07
75-06-22	0300	29	441	B	35	76-11-23	1115	2.2	41	B	0.24
75-06-22	0405	40	856	B	92	76-12-21	1115	2.3	47	B	0.29
75-06-22	0510	67	1220	B	221	77-01-19	1205	2.7	94	B	0.69
75-06-22	0810	86	1090	B	253	77-02-14	1120	2.9	48	B	0.38
75-06-22	1010	110	3280	B	974	77-03-15	1305	2.5	51	B	0.34
75-06-23	0905	25	81	B	5.5	77-04-11	1335	1.8	114	B	0.55
75-06-23	1235	978	33000	B	87100	77-04-20	2000	59	628	B	100
75-06-23	1320	824	23500	B	52300	77-04-20	2105	74	2940	B	587
75-06-23	1340	832	17500	B	39300	77-04-20	2305	77	1540	B	320
75-06-23	1440	925	18700	B	46700	77-04-21	0105	88	3630	B	862
75-06-23	1540	718	17100	B	33200	77-04-21	0205	76	3560	B	731
75-06-23	1740	344	7920	B	7360	77-04-21	0905	28	1560	B	118
75-06-24	0240	99	1120	B	299	77-04-25	1300	2.6	177	B	1.2
75-06-24	1240	52	427	B	60	77-05-04	0015	22	1000	B	59
75-06-26	0430	28	115	B	8.7	77-05-04	0115	30	1400	B	113
75-07-03	2155	77	398	B	83	77-05-04	0215	41	1040	B	115
75-07-03	2200	95	3270	B	839	77-05-04	0315	48	2140	B	277
75-07-03	2355	72	3530	B	686	77-05-04	0415	59	1840	B	293
75-07-04	0455	32	1100	B	95	77-05-04	0610	62	3090	B	517
75-07-04	1755	18	133	B	6.5	77-05-04	0815	33	3020	B	269
75-07-07	1015	12	72	B	2.3	77-05-04	1015	19	2640	B	135
75-07-07	1835	233	9960	B	6270	77-05-06	0005	33	1630	B	145
75-07-07	1900	331	15200	B	13600	77-05-06	0105	34	2710	B	249
75-07-07	1930	325	11500	B	10100	77-05-06	0310	24	1150	B	75
75-07-07	2130	153	7090	B	2930	77-05-06	1255	7.4	509	B	10
75-07-08	0430	38	870	B	89	77-05-09	1255	2.3	175	B	1.1
75-07-08	1925	19	169	B	8.7	77-05-19	1745	987	21000	B	56000
75-07-10	1210	27	108	B	7.9	77-05-19	1835	973	21600	B	56700
75-07-10	1330	123	4910	B	1630	77-05-19	1935	1100	30900	B	91800
75-07-10	1550	78	3340	B	703	77-05-19	2035	960	23300	B	60400
75-07-10	2300	29	459	B	36	77-05-19	2135	623	12900	B	21700
75-07-21	1010	9.3	65	B	1.6	77-05-19	2305	383	8040	B	8310
75-07-24	1130	19	114	B	5.8	77-05-20	0745	72	1680	B	327
75-07-24	2155	91	1580	B	388	77-05-20	1555	29	727	B	57
75-07-24	2325	144	5820	B	2260	77-05-20	1820	115	10100	B	3140
75-07-25	0055	112	3120	B	943	77-05-20	2055	1410	23600	B	89800
75-07-25	0625	41	758	B	84	77-05-20	2230	1550	19400	B	81200
75-07-25	1300	24	276	B	18	77-05-21	0020	868	14900	B	34900
75-07-26	1320	31	144	B	12	77-05-21	0220	419	7240	B	8190
75-07-26	1745	71	1470	B	282	77-05-21	0715	171	2670	B	1230
75-07-26	2220	131	2820	B	997	77-05-21	2315	65	753	B	132
75-07-26	2320	196	9010	B	4770	77-05-22	1125	43	458	B	53
75-07-26	2350	188	9260	B	4700	77-05-23	1410	19	208	B	11
75-07-27	0120	134	4360	B	1580	77-05-27	0110	64	2380	B	411
75-07-27	0420	71	1630	B	312	77-05-27	0340	61	1610	B	265
75-07-27	1515	30	273	B	22	77-05-27	0615	47	1070	B	136
75-07-28	1255	36	694	B	67	77-05-27	0855	55	1940	B	288
75-07-28	1520	83	2400	B	538	77-05-27	1115	44	1160	B	138
75-07-28	1850	56	1050	B	159	77-05-27	1845	31	938	B	79
75-07-29	0945	24	166	B	11	77-06-01	1255	7.1	157	B	3.0
75-08-04	0940	11	86	B	2.6	77-06-27	1330	2.1	137	B	0.78
75-09-02	0920	4.7	65	B	0.82	77-07-25	1315	0.50	162	B	0.22
75-09-30	1015	4.9	36	B	0.48	77-08-22	1310	0.60	117	B	0.19
75-10-28	1045	5.4	69	B	1.0	77-09-20	1300	0.50	82	B	0.11
75-11-25	1135	5.2	8	B	0.11	77-10-17	1320	0.40	88	B	0.10
75-12-23	1100	5.4	43	B	0.63	77-11-14	1420	1.3	22	B	0.08
76-01-20	1105	4.8	44	B	0.57	77-12-12	1355	1.6	22	B	0.10
76-02-17	1100	5.1	46	B	0.63						
76-03-16	1030	5.4	25	B	0.36						
76-04-13	1345	4.2	51	B	0.58						
76-04-19	0800	31	273	B	23						
76-04-19	0900	37	974	B	97						
76-04-19	1200	25	882	B	60						
76-04-19	1400	38	743	B	76						
76-04-19	2000	19	473	B	24						
76-04-27	0955	4.1	83	B	0.92						
76-05-25	1010	3.4	79	B	0.73						
76-06-22	1040	1.7	28	B	0.13						
76-06-24	0250	26	1420	B	100						
76-06-24	0330	43	3780	B	439						
76-06-24	0525	77	2110	B	439						
76-06-24	0725	52	2360	B	331						
76-06-24	0825	77	3530	B	734						
76-06-24	1025	60	3020	B	489						
76-07-07	0915	1.3	18	B	0.06						
76-07-15	1345	61	2790	B	460						
76-07-20	1030	2.6	64	B	0.45						
76-08-03	1010	1.0	49	B	0.13						
76-08-06	0155	20	828	B	45						
76-08-06	0255	18	652	B	32						
76-08-17	0755	1.1	72	B	0.21						
76-08-31	1000	0.40	91	B	0.20						
76-09-13	0835	15	653	B	26						
76-09-13	1000	21	1410	B	80						

\*\*\*\*\*  
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07327440 FAST BITTER CREEK NEAR TABLER, OKLA.



## RED RIVER BASIN

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.

LOCATION.--Lat 34°56'41", long 97°57'08", in SE 1/4 SE 1/4 sec.32, T.6 N., R.7 W., Grady County, Hydrologic Unit 11130302, at left bank on downstream side of bridge on U.S. Highway 81, 1.0 mi (1.6 km) upstream from Rock Creek, 1.5 mi (2.4 km) west of Ninneka, 5.5 mi (8.8 km) south of Chickasha, and at mile 8.4 (13.5 km).

DRAINAGE AREA.--208 mi<sup>2</sup> (539 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1963-78.

REMARKS.--Small diversions above station for irrigation. Initial upstream floodwater-retarding structure was completed in November 1969. Construction is continuing with 99 mi<sup>2</sup> (256 km<sup>2</sup>) currently controlled. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
63-04-24	1640	18	446	B	22	64-05-10	0820	798	24800	B	53400
63-04-27	0820	181	8200	B	4010	64-05-10	2240	1000	27000	B	72900
63-05-08	0845	32	901	B	78	64-05-10	2350	901	15500	B	37700
63-05-22	1040	12	259	B	8.4	64-05-11	0100	1750	36300	B	172000
63-06-05	1020	12	261	B	8.5	64-05-11	0415	1100	33100	B	98300
63-06-18	1450	10.0	155	B	4.2	64-05-11	1550	152	5220	B	2140
63-07-03	1010	3.2	70	B	0.60	64-05-12	1310	47	1380	B	175
63-07-11	0005	298	20100	B	16200	64-05-14	1420	32	634	B	55
63-07-11	0105	340	17400	B	16000	64-05-21	1635	17	300	B	14
63-07-11	1505	66	7750	B	1380	64-05-26	1530	15	155	B	6.3
63-07-13	2010	533	9260	B	13300	64-05-29	1120	36	1200	B	117
63-07-17	1235	4.0	94	B	1.0	64-05-30	0745	197	6330	B	3370
63-07-29	1455	5.8	20	B	0.31	64-05-30	0820	268	6490	B	4700
63-08-13	0940	0.60	52	B	0.08	64-05-30	1825	116	3620	B	1130
63-09-26	1620	2.8	100	B	0.76	64-05-30	2115	840	22600	B	51300
63-10-24	1625	2.2	114	B	0.68	64-05-30	2215	850	26000	B	59700
63-11-06	1455	4.5	124	B	1.5	64-05-31	0010	488	19500	B	25700
63-11-19	1420	54	5850	B	853	64-06-02	0950	21	327	B	19
63-12-06	1110	8.1	226	B	4.9	64-06-09	1430	5.8	288	B	4.5
63-12-27	1320	5.5	975	B	14	64-06-17	1520	11	220	B	6.5
64-01-10	1035	7.9	422	B	9.0	64-06-23	1420	2.1	60	B	0.34
64-01-22	1150	12	382	B	12	64-08-17	0850	0.30	162	B	0.13
64-02-04	1655	79	5620	B	1200	64-08-18	0755	171	8080	B	3730
64-02-05	1040	59	2120	B	338	64-08-18	1040	238	10400	B	6680
64-02-06	1050	38	1240	B	127	64-08-18	1520	212	8430	B	4830
64-02-20	1105	13	376	B	13	64-08-19	0945	16	858	B	37
64-03-05	1430	14	471	B	18	64-08-25	1420	0.10	96	B	0.03
64-03-19	1005	16	825	B	36	64-09-16	0930	138	8980	B	3350
64-04-03	0950	12	210	B	6.8	64-09-16	1220	123	6410	B	2130
64-04-06	1450	14	520	B	20	64-09-17	1510	15	1200	B	49
64-04-16	0920	11	302	B	9.0	64-09-18	1200	7.7	238	B	4.9
64-04-23	2320	24	6240	B	404	64-09-20	1040	1090	20900	B	61500
64-04-23	2330	35	4910	B	464	64-09-20	1220	868	19100	B	44800
64-04-23	2340	32	3790	B	327	64-09-21	1220	26	1530	B	107
64-05-01	1005	10.0	156	B	4.2	64-09-22	1600	44	1720	B	204
64-05-06	0720	209	14700	B	8300	64-09-23	0915	27	850	B	62
64-05-06	0730	203	14000	B	7670	64-09-27	1210	71	3160	B	606
64-05-06	1050	296	14700	B	11700	64-09-28	1215	16	864	B	37
64-05-06	1125	266	13100	B	9410	64-09-29	1620	5.7	452	B	7.0
64-05-06	1155	245	11700	B	7740	64-10-01	1425	5.6	165	B	2.5
64-05-06	1250	201	9440	B	5120	64-10-15	1445	5.9	164	B	2.6
64-05-06	1535	100	6900	B	1860	64-10-22	1335	5.2	150	B	2.1
64-05-06	1610	88	6330	B	1500	64-10-28	1030	6.7	200	B	3.6
64-05-07	0920	12	1350	B	44	64-11-02	1600	6.9	72	B	1.3
64-05-08	0735	67	8070	B	1460	64-11-03	1830	52	8700	B	1220
64-05-08	0835	55	6600	B	980	64-11-03	1900	172	8920	B	4140
64-05-08	1110	38	3800	B	390	64-11-03	1935	293	8700	B	6880
64-05-08	1605	23	2130	B	132	64-11-03	1945	372	12400	B	12500
64-05-10	0030	4690	37800	B	479000	64-11-03	2025	360	13100	B	12700
64-05-10	0105	5280	46700	B	666000	64-11-03	2110	238	10700	B	6880
64-05-10	0145	6350	40500	B	694000	64-11-03	2150	556	14800	B	22200
64-05-10	0305	7510	40200	B	815000	64-11-03	2310	970	23800	B	62300
64-05-10	0535	2680	31500	B	228000	64-11-04	0020	985	20000	B	53200

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-11-04	0225	595	29900	B	48000	65-05-26	0945	350	20800	B	19700
64-11-04	0930	96	8310	B	2150	65-05-26	1010	696	34800	B	65400
64-11-04	1020	85	8170	B	1880	65-05-26	1100	954	43200	B	111000
64-11-04	1500	48	3080	B	399	65-05-26	1205	892	37600	B	90600
64-11-05	1105	39	2670	B	281	65-05-26	1400	478	23400	B	30200
64-11-06	1400	31	1670	B	140	65-05-26	1515	287	20600	B	16000
64-11-06	1805	58	3060	B	479	65-05-26	1545	260	18800	B	13200
64-11-07	1135	23	1430	B	89	65-05-26	1635	224	13200	B	7980
64-11-09	1405	14	944	B	36	65-05-26	1750	153	11000	B	4540
64-11-17	0105	510	20300	B	28000	65-05-27	1250	24	1390	B	90
64-11-17	0200	450	18700	B	22700	65-05-28	1230	83	4700	B	1050
64-11-17	0245	969	28400	B	74300	65-06-02	0300	112	5280	B	1600
64-11-17	0310	1340	37900	B	137000	65-06-02	0325	232	8050	B	5040
64-11-17	0345	1720	41500	B	193000	65-06-02	0400	291	11300	B	8880
64-11-17	0445	1830	47400	B	234000	65-06-02	0430	255	12000	B	8260
64-11-17	0555	1420	38600	B	148000	65-06-02	0605	453	23900	B	29200
64-11-17	0720	956	26000	B	67100	65-06-02	0630	524	26400	B	37400
64-11-17	0825	707	29900	B	57100	65-06-02	0705	465	25500	B	32000
64-11-17	0900	594	24200	B	38800	65-06-02	0910	334	21000	B	18900
64-11-17	1300	251	12500	B	8470	65-06-02	1120	216	12000	B	7000
64-11-17	1450	201	10200	B	5540	65-06-02	1525	114	5340	B	1640
64-11-17	1515	192	8790	B	4560	65-06-02	1620	99	4610	B	1230
64-11-17	1655	170	8330	B	3820	65-06-03	0850	19	1200	B	62
64-11-18	1600	196	6270	B	3320	65-06-15	1545	427	19200	B	22100
64-11-18	2130	329	24100	B	21400	65-06-15	1620	551	26800	B	39900
64-11-19	0505	473	15300	B	19500	65-06-15	1710	454	19100	B	23400
64-11-19	0815	726	26900	B	52700	65-06-15	1750	488	11900	B	15700
64-11-19	0940	595	20600	B	33100	65-06-15	1800	591	18900	B	30200
64-11-19	1510	350	17000	B	16100	65-06-15	1830	906	25200	B	61600
64-11-20	0915	196	1700	B	900	65-06-15	1915	1230	30900	B	103000
64-11-20	1305	188	1410	B	716	65-06-15	1955	1350	23000	B	83800
64-12-02	0940	18	905	B	44	65-06-15	2015	1380	36100	B	135000
64-12-07	1530	16	615	B	27	65-06-15	2155	1010	27100	B	73900
64-12-10	1500	30	1800	B	146	65-06-15	2305	677	24200	B	44200
64-12-14	1305	18	730	B	35	65-06-16	0045	419	19100	B	21600
64-12-21	1500	24	1670	B	108	65-06-16	0925	96	2810	B	728
65-01-04	1640	16	577	B	25	65-06-16	1540	61	2150	B	354
65-01-18	1620	18	1330	B	65	65-06-18	1540	27	370	B	27
65-01-27	1620	18	640	B	31	65-06-22	0915	37	1180	B	118
65-02-09	0920	30	977	B	79	65-06-25	1520	13	628	B	22
65-02-15	1500	13	682	B	24	65-07-09	1625	4.1	97	B	1.1
65-03-11	1305	11	788	B	23	65-07-15	0930	1.9	74	B	0.38
65-03-12	1530	21	1490	B	84	65-08-06	1605	32	7290	B	630
65-04-05	0915	18	465	B	23	65-08-06	1620	176	21400	B	10200
65-04-05	1420	17	1500	B	69	65-08-06	1640	392	15900	B	16800
65-04-06	1300	16	898	B	39	65-08-06	1720	323	10900	B	9510
65-04-09	1100	22	818	B	49	65-08-06	1905	127	5540	B	1900
65-04-14	1100	61	1480	B	244	65-08-06	1945	208	9680	B	5440
65-04-14	1745	85	3370	B	773	65-08-06	2020	241	9120	B	5930
65-04-14	1800	198	4050	B	2170	65-08-06	2125	152	5920	B	2430
65-04-14	1810	292	14700	B	11600	65-08-07	1305	12	1220	B	40
65-04-14	1850	618	35000	B	58400	65-08-16	1110	4.0	190	B	2.1
65-04-14	1910	519	30200	B	42300	65-08-16	1300	21	1480	B	84
65-04-14	1930	391	19300	B	20400	65-08-16	1315	22	3430	B	204
65-04-14	2010	418	17300	B	19500	65-08-16	1350	161	11600	B	5040
65-04-14	2015	437	20900	B	24700	65-08-16	1415	195	11500	B	6050
65-04-14	2030	422	24000	B	27300	65-08-16	1445	145	8720	B	3410
65-04-14	2150	297	26500	B	21300	65-08-16	1515	112	6830	B	2070
65-04-14	2205	280	20300	B	15300	65-08-16	1600	95	5250	B	1350
65-04-14	2355	230	16300	B	10100	65-08-16	1735	79	3380	B	721
65-04-15	0035	236	9580	B	6100	65-08-17	1000	6.1	500	B	8.2
65-04-15	0105	392	19200	B	20300	65-08-23	0905	15	2140	B	87
65-04-15	0110	419	23700	B	26800	65-08-28	0345	1950	15500	B	81600
65-04-15	0245	464	29200	B	36600	65-08-28	0425	2450	9950	B	65800
65-04-15	0325	392	25200	B	26700	65-08-28	0505	2420	10400	B	68000
65-04-15	0905	138	10700	B	3990	65-08-28	0705	649	6420	B	11200
65-04-15	1010	120	7610	B	2470	65-08-28	0740	917	17000	B	42100
65-04-15	1640	60	3550	B	575	65-08-28	0840	1530	24400	B	101000
65-04-16	0930	16	1850	B	80	65-08-28	0915	1710	32800	B	151000
65-04-18	1355	10.0	688	B	19	65-08-28	1105	1260	26600	B	90500
65-05-09	1745	146	28700	B	11300	65-08-28	1200	957	22400	B	57900
65-05-09	1835	178	30800	B	14800	65-08-28	1335	493	15300	B	20400
65-05-09	1915	135	20800	B	7580	65-08-28	1520	460	14200	B	17600
65-05-09	2115	445	37300	B	44800	65-08-28	1900	301	7260	B	5900
65-05-09	2135	509	42600	B	58500	65-08-29	0945	65	1430	B	251
65-05-09	2225	526	31900	B	45300	65-08-30	1435	14	990	B	37
65-05-09	2320	420	32400	B	36700	65-08-31	1450	100	9920	B	2680
65-05-10	1030	69	6120	B	1140	65-08-31	1510	240	12200	B	7910
65-05-11	0925	24	999	B	65	65-08-31	1600	231	8170	B	5100
65-05-13	1605	19	482	B	25	65-08-31	1625	165	6300	B	2810
65-05-14	0940	147	8120	B	3220	65-08-31	1650	204	8540	B	4700
65-05-14	1100	115	6180	B	1920	65-08-31	1700	310	13200	B	11000
65-05-14	1310	89	4760	B	1140	65-08-31	1710	339	17800	B	16300
65-05-15	1355	12	800	B	26	65-08-31	1745	482	21000	B	27300
65-05-19	1545	11	315	B	9.4	65-08-31	1815	934	29700	B	74900
65-05-26	0735	125	9300	B	3140	65-08-31	1825	1080	32500	B	94800
65-05-26	0755	167	16600	B	7480	65-08-31	1840	1230	31300	B	104000
65-05-26	0835	263	20600	B	14600	65-08-31	1855	1330	33600	B	121000
65-05-26	0900	259	21300	B	14900	65-08-31	1925	1390	29700	B	111000

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-08-31	2040		1140	25300	B 77900	66-06-16	0115		32	3300	B 285
65-08-31	2140		705	20000	B 38100	66-06-16	0355		19	2490	B 128
65-08-31	2250		388	15700	B 16400	66-06-16	1035		3.8	225	B 2.3
65-08-31	2320		312	13700	B 11500	66-06-17	1340		5.4	137	B 2.0
65-09-01	0010		220	9980	B 5930	66-06-22	1445		2.8	50	B 0.38
65-09-01	1005		34	4940	B 453	66-07-23	0930		13	900	B 32
65-09-03	2300		318	11800	B 10100	66-07-24	1140		0.80	278	B 0.60
65-09-04	0005		34.1	11800	B 10900	66-07-24	1200		82	10300	B 2280
65-09-04	0045		300	10900	B 8830	66-07-24	1205		80	8420	B 1820
65-09-04	0125		257	9990	B 6930	66-07-24	1210		71	6530	B 1250
65-09-04	0155		225	8450	B 5130	66-07-24	1230		51	4750	B 654
65-09-04	1340		50	1570	B 212	66-07-24	1255		32	3810	B 329
65-09-07	1505		5.1	142	B 2.0	66-07-24	1400		27	2320	B 169
65-09-18	1250		11	474	B 14	66-07-24	1445		24	2500	B 162
65-09-19	0825		171	6310	B 2910	66-07-24	1530		23	1890	B 117
65-09-19	0920		267	8990	B 6480	66-07-24	1610		21	1530	B 87
65-09-19	0945		201	8950	B 4860	66-07-25	0915		2.5	270	B 1.8
65-09-19	1010		208	7290	B 4090	66-08-15	1250		23	30	B 1.9
65-09-19	1045		199	9120	B 4900	66-08-21	1545		267	8430	B 6080
65-09-19	1205		133	5430	B 1950	66-08-21	1630		165	4980	B 2220
65-09-19	1445		139	5390	B 2020	66-08-21	1705		116	3170	B 993
65-09-19	1555		96	4230	B 1100	66-08-21	1740		78	2450	B 516
65-09-20	0845		40	2270	B 245	66-08-22	1145		21	670	B 38
65-09-21	0925		72	5300	B 1030	66-08-23	1120		4.0	360	B 3.9
65-10-13	1435		3.0	150	B 1.2	66-08-23	1515		33	2740	B 244
65-10-18	0830		10.0	180	B 4.9	66-08-23	1900		61	2330	B 384
65-10-18	1115		23	5550	B 345	66-08-23	2020		38	2380	B 244
65-10-18	1150		40	5660	B 611	66-08-24	1155		36	766	B 74
65-10-18	1315		30	11600	B 940	66-08-25	1340		19	292	B 15
65-10-18	1330		191	16500	B 8510	66-08-29	0855		12	862	B 28
65-10-18	1355		251	14200	B 9620	66-09-06	1425		2.2	90	B 0.53
65-10-18	1445		273	15500	B 11400	66-09-14	0215		534	8960	B 12900
65-10-18	1520		256	14300	B 9880	66-09-14	0305		481	7430	B 9650
65-10-18	1745		167	12600	B 5680	66-09-14	0515		298	6170	B 4960
65-10-19	0910		25	2270	B 153	66-09-14	0915		98	4860	B 1290
65-10-28	1255		7.0	308	B 5.8	66-09-14	1135		71	5100	B 978
65-11-01	1425		6.7	130	B 2.4	66-09-14	1630		32	2730	B 236
65-11-13	0900		10.0	200	B 5.4	66-09-15	0925		6.9	866	B 16
65-11-23	1010		9.0	270	B 6.6	66-09-28	0845		26	2410	B 169
65-12-07	1000		8.1	300	B 6.6	66-10-03	1530		4.2	60	B 0.68
65-12-22	1400		10.0	290	B 7.8	66-10-17	1330		3.6	95	B 0.92
66-01-05	1615		11	265	B 7.9	66-11-07	1610		4.4	50	B 0.59
66-01-17	1000		8.7	240	B 5.6	66-11-21	1005		5.4	70	B 1.0
66-02-09	1110		19	957	B 49	66-12-05	1415		8.0	155	B 3.3
66-02-15	0900		12	400	B 13	66-12-19	1600		8.5	120	B 2.8
66-02-27	0925		18	507	B 25	67-01-03	1350		9.0	215	B 5.2
66-02-27	1740		21	1180	B 67	67-01-16	1445		7.9	120	B 2.6
66-02-28	0900		28	1330	B 101	67-01-30	1435		8.4	94	B 2.1
66-03-01	1105		17	1040	B 48	67-02-13	1430		7.8	130	B 2.7
66-03-08	0830		12	178	B 5.8	67-02-27	0940		7.9	57	B 1.2
66-03-12	0815		673	37400	B 68000	67-03-13	1320		7.9	30	B 0.64
66-03-12	1045		294	21200	B 16800	67-03-25	1730		252	11900	B 8100
66-03-12	1410		125	13100	B 4420	67-03-25	1750		155	7600	B 3180
66-03-12	1455		110	11300	B 3360	67-03-25	1830		102	5770	B 1590
66-03-13	0835		44	1930	B 229	67-03-25	1935		238	10800	B 6940
66-03-13	1930		28	1200	B 91	67-03-25	2010		203	11300	B 6190
66-03-14	1220		17	820	B 38	67-03-25	2130		108	7930	B 2310
66-03-17	0920		14	400	B 15	67-03-26	1115		19	1880	B 96
66-03-21	1715		14	277	B 10	67-03-27	1325		13	862	B 30
66-04-01	1520		12	156	B 5.1	67-04-03	1235		7.3	262	B 5.2
66-04-08	1540		9.0	171	B 4.2	67-04-09	1730		13	4070	B 143
66-04-21	1545		8.4	66	B 1.5	67-04-09	1835		84	6080	B 1380
66-04-22	1500		30	916	B 74	67-04-09	1945		95	5550	B 1420
66-04-22	2135		86	6020	B 1400	67-04-09	2120		626	10700	B 18100
66-04-23	1130		63	1640	B 279	67-04-09	2145		620	9950	B 16700
66-04-23	1825		170	6200	B 2850	67-04-09	2250		697	15900	B 29900
66-04-23	2240		150	8290	B 3360	67-04-10	0135		1560	35200	B 148000
66-04-24	1210		37	1530	B 153	67-04-10	0310		1520	28500	B 117000
66-04-24	2010		17	1050	B 48	67-04-10	0600		562	14200	B 21500
66-04-25	1345		194	1710	B 896	67-04-10	0715		407	14800	B 16300
66-04-25	1550		22	2570	B 153	67-04-10	0940		328	9790	B 8670
66-04-25	2140		201	11300	B 6130	67-04-10	1145		259	7670	B 5360
66-04-26	0305		207	10100	B 5640	67-04-10	1235		230	6740	B 4190
66-04-26	1135		68	3300	B 606	67-04-10	1500		126	5380	B 1830
66-04-26	1550		53	2730	B 391	67-04-10	2050		63	3330	B 566
66-04-27	0645		43	1130	B 131	67-04-11	0100		47	2460	B 312
66-04-27	1000		42	1280	B 145	67-04-11	1500		23	1110	B 69
66-04-28	0930		30	428	B 35	67-04-12	0430		735	16100	B 32000
66-05-01	1520		30	1280	B 104	67-04-12	0605		822	17000	B 37700
66-05-02	0955		29	1000	B 78	67-04-12	0905		254	11900	B 8160
66-05-17	1550		12	285	B 9.2	67-04-12	1020		454	14300	B 17500
66-05-21	0510		239	13500	B 8710	67-04-12	1115		637	21700	B 37300
66-05-21	0610		158	12700	B 5420	67-04-12	1300		586	19000	B 30100
66-05-21	0700		110	8390	B 2490	67-04-12	1330		525	21100	B 29900
66-05-21	0925		52	3600	B 505	67-04-12	1625		251	10400	B 7050
66-05-21	1215		47	2040	B 259	67-04-13	0015		62	5530	B 926
66-05-23	1325		11	510	B 15	67-04-13	1020		350	12400	B 11700
66-05-31	1515		6.8	216	B 4.0	67-04-13	1130		333	11400	B 10200
66-06-16	0005		141	4680	B 1780	67-04-13	1440		185	7490	B 3740

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE.

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

657

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(T/DNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(T/DNS/DAY)	
67-04-13	1635	138		5620	B	2090	68-04-19	0825	238	8930	B	5740
67-04-14	1455	29		845	B	66	68-04-19	0845	260	16800	B	11800
67-04-15	1615	19		596	B	31	68-04-19	1055	216	11000	B	6420
67-04-18	1455	12		368	B	12	68-04-19	1330	132	6700	B	2390
67-04-20	2240	127		8150	B	2790	68-04-19	1550	86	6980	B	1620
67-04-20	2250	237		19200	B	12300	68-04-20	1545	31	858	B	72
67-04-20	2305	348		17300	B	16300	68-04-22	1540	40	2140	B	231
67-04-20	2330	377		17300	B	17600	68-04-23	1535	28	666	B	50
67-04-21	0040	318		16700	B	14300	68-04-29	1500	13	385	B	14
67-04-21	0140	255		13000	B	8950	68-05-06	1115	8.4	265	B	6.0
67-04-21	1005	68		3380	B	621	68-05-09	0425	93	5600	B	1410
67-04-24	1445	9.0		308	B	7.5	68-05-09	0550	46	3460	B	430
67-05-01	1405	7.9		215	B	4.6	68-05-09	0900	25	2400	B	162
67-05-05	2245	127		6640	B	2280	68-05-09	1145	306	13100	B	10800
67-05-06	0435	265		14800	B	10600	68-05-09	1305	440	17900	B	21300
67-05-06	0700	289		13200	B	10300	68-05-09	1410	396	15400	B	16500
67-05-06	0835	189		9580	B	4890	68-05-09	1535	268	11000	B	7960
67-05-06	1505	31		526	B	44	68-05-09	1650	200	9540	B	5150
67-05-08	0755	8.2		515	B	11	68-05-09	1725	174	9040	B	4250
67-05-15	1245	8.9		180	B	4.3	68-05-09	1750	156	8470	B	3570
67-05-20	1450	99		4340	B	1160	68-05-09	2035	102	8800	B	2420
67-05-20	1605	54		3430	B	500	68-05-10	1055	62	2390	B	400
67-05-22	1455	11		330	B	9.8	68-05-12	1220	12	624	B	20
67-05-29	1415	11		520	B	15	68-05-13	1215	19	998	B	51
67-05-31	0930	25		1110	B	75	68-05-14	0850	25	3280	B	221
67-06-12	1335	3.1		43	B	0.36	68-05-15	1315	14	555	B	21
67-06-26	0820	6.5		188	B	3.3	68-05-20	0945	12	390	B	13
67-07-03	1450	15		1700	B	69	68-05-25	1205	72	6720	B	1310
67-07-10	1420	1.9		94	B	0.48	68-05-25	1330	275	11200	B	8320
67-07-18	1510	7.4		90	B	1.8	68-05-25	1400	276	10400	B	7750
67-07-28	2345	88		5850	B	1390	68-05-25	1500	236	10000	B	6370
67-07-29	0030	121		8330	B	2720	68-05-25	2025	101	4400	B	1200
67-07-29	0130	110		7450	B	2210	68-05-26	0515	39	1830	B	193
67-07-29	1045	23		1380	B	86	68-05-27	1500	19	619	B	32
67-09-05	0850	25		1200	B	81	68-05-30	1230	24	372	B	24
67-09-05	1230	18		1590	B	77	68-05-30	1255	24	1250	B	81
67-09-05	1515	17		1250	B	57	68-05-31	0750	26	1660	B	117
67-09-06	1215	7.8		207	B	4.4	68-05-31	1850	189	7450	B	3800
67-09-11	1410	2.2		205	B	1.2	68-05-31	1935	777	18200	B	38200
67-09-18	1320	0.70		130	B	0.25	68-05-31	2050	1210	21900	B	71500
67-09-27	1105	11		787	B	23	68-05-31	2110	1380	27100	B	101000
67-09-28	1220	5.3		200	B	2.9	68-05-31	2320	5120	32200	B	445000
67-10-02	1030	0.30		178	B	0.14	68-06-01	0055	3990	25000	B	269000
67-10-08	1020	11		262	B	7.8	68-06-01	0255	1420	21400	B	82000
67-10-15	1315	202		9530	B	5200	68-06-01	0405	996	20500	B	55100
67-10-15	1345	182		4220	B	2070	68-06-01	0945	593	13500	B	21600
67-10-15	1710	387		13600	B	14200	68-06-01	1305	406	11900	B	13000
67-10-15	1820	366		11800	B	11700	68-06-01	1810	183	5550	B	2740
67-10-15	1955	237		7500	B	4800	68-06-02	1400	76	2410	B	495
67-10-16	1225	16		2130	B	92	68-06-03	0840	48	585	B	76
67-10-31	1335	34		2580	B	237	68-06-12	1055	13	292	B	10
67-11-01	1045	19		722	B	37	68-06-15	2240	35	1970	B	186
67-11-13	1325	5.0		55	B	0.74	68-06-16	1200	104	4940	B	1390
67-11-17	1345	6.9		73	B	1.4	68-06-17	1420	30	754	B	61
67-12-04	1420	6.4		234	B	4.0	68-06-24	1500	17	150	B	6.9
67-12-18	1255	11		438	B	13	68-07-01	1820	340	6530	B	5990
68-01-02	1530	7.9		286	B	6.1	68-07-01	1950	215	5810	B	3370
68-01-19	0840	34		2460	B	226	68-07-01	2035	170	4410	B	2020
68-01-22	1445	17		433	B	20	68-07-02	0750	85	3210	B	737
68-02-06	1005	11		409	B	12	68-07-08	1500	11	272	B	8.1
68-02-19	1310	12		222	B	7.2	68-07-15	0945	54	2700	B	394
68-02-26	1340	19		695	B	36	68-07-15	1525	51	1490	B	205
68-02-28	0935	94		4850	B	1230	68-07-16	0825	22	518	B	31
68-03-04	1425	13		477	B	17	68-07-22	1345	6.0	206	B	3.3
68-03-12	1530	27		984	B	72	68-07-29	1525	19	783	B	40
68-03-18	1525	15		456	B	18	68-08-15	1020	3.2	318	B	2.7
68-03-19	0405	293		10400	B	8230	68-09-03	1345	0.70	273	B	0.52
68-03-19	0525	198		10800	B	5770	68-09-04	0820	298	9010	B	7250
68-03-19	0735	182		11300	B	5550	68-09-04	0910	220	5490	B	3260
68-03-19	0805	380		19600	B	20100	68-09-04	1215	310	7740	B	6480
68-03-19	0905	462		16700	B	20800	68-09-04	1325	348	9170	B	8620
68-03-19	0955	410		13500	B	14900	68-09-04	1510	562	11900	B	18100
68-03-19	1240	168		7430	B	3370	68-09-04	1805	445	8550	B	10300
68-03-19	1350	118		6840	B	2180	68-09-05	1520	25	1330	B	90
68-03-19	1445	97		6040	B	1580	68-09-06	1005	13	418	B	15
68-03-19	1605	77		4620	B	960	68-09-09	1410	4.8	178	B	2.3
68-03-20	1110	23		1910	B	119	68-09-24	0745	21	764	B	43
68-03-21	1515	39		2440	B	257	68-09-24	1345	116	3110	B	974
68-03-22	1105	38		1360	B	140	68-09-24	1435	92	2780	B	691
68-03-23	1330	31		835	B	70	68-09-25	0815	50	1930	B	261
68-03-28	1410	18		1100	B	53	68-09-26	1340	8.7	275	B	6.5
68-04-01	1620	19		320	B	16	68-10-07	1410	6.4	25	B	0.43
68-04-03	1255	23		750	B	47	68-10-09	0630	479	9500	B	12300
68-04-08	1350	14		360	B	14	68-10-09	0710	377	8790	B	8950
68-04-15	1615	13		190	B	6.7	68-10-09	0745	307	6830	B	5660
68-04-19	0050	382		10500	B	10800	68-10-09	0825	274	6120	B	4530
68-04-19	0210	358		12400	B	12000	68-10-09	0945	272	8130	B	5970
68-04-19	0440	122		6800	B	2240	68-10-09	1045	299	8280	B	6680
68-04-19	0720	113		4940	B	1510	68-10-09	1220	482	14100	B	18300

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## 07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-10-09	1340		503	14600	B	69-09-16	1315		79	1910	B
68-10-09	1530		353	13000	B	69-09-17	0840		14	520	B
68-10-09	2240		90	6810	B	69-09-21	2350		104	4320	B
68-10-10	1235		29	2050	B	69-09-22	0155		919	20800	B
68-10-11	1510		15	1010	B	69-09-22	0320		790	11400	B
68-10-14	1335		82	393	B	69-09-22	0755		215	8480	B
68-10-21	1410		6.5	27	B	69-09-22	0840		177	6470	B
68-11-04	1155		14	275	B	69-09-22	1350		90	4180	B
68-11-12	1455		7.4	285	B	69-09-23	0930		309	17700	B
68-11-15	1045		48	1970	B	69-09-23	1340		128	7980	B
68-11-15	1420		67	2380	B	69-09-24	1435		19	860	B
68-11-16	1145		29	1380	B	69-09-25	1325		15	350	B
68-11-18	1420		11	270	B	69-09-30	1000		6.6	80	B
68-11-26	1040		16	360	B	69-10-13	1425		13	120	B
68-11-26	1525		24	900	B	69-10-28	1445		8.9	100	B
68-11-27	1020		55	3510	B	69-11-12	1440		8.3	75	B
68-11-29	1235		31	1490	B	69-11-24	1625		10.0	60	B
68-12-16	1135		13	340	B	69-12-08	1605		11	76	B
69-01-16	1115		14	185	B	70-01-13	1335		19	480	B
69-02-03	1610		15	312	B	70-01-26	1625		15	233	B
69-02-14	1150		39	2320	B	70-02-18	1440		11	215	B
69-02-14	1445		27	2100	B	70-03-02	1610		15	190	B
69-02-17	1405		22	635	B	70-03-06	1545		33	598	B
69-02-20	1410		48	4930	B	70-03-06	2000		64	2730	B
69-02-21	1315		48	1470	B	70-03-07	0945		41	1220	B
69-02-24	1445		40	755	B	70-03-09	1540		20	460	B
69-03-03	1200		46	737	B	70-03-16	1500		23	458	B
69-03-17	0955		20	402	B	70-03-17	0910		36	984	B
69-03-23	1225		102	4100	B	70-03-19	1430		20	576	B
69-03-24	1340		43	1710	B	70-03-30	1540		20	430	B
69-03-25	1440		29	835	B	70-04-13	1540		12	175	B
69-04-01	1410		25	621	B	70-04-17	0850		112	7480	B
69-04-07	1455		23	340	B	70-04-17	1535		50	3190	B
69-04-17	0105		124	6090	B	70-04-20	1415		14	333	B
69-04-17	0645		644	22900	B	70-04-27	1445		19	536	B
69-04-17	0825		605	18400	B	70-04-30	0740		677	15800	B
69-04-17	0950		386	15800	B	70-04-30	0845		485	14800	B
69-04-17	1145		242	11900	B	70-04-30	1010		359	11300	B
69-04-17	1505		158	9260	B	70-04-30	1530		207	6750	B
69-04-18	1520		45	1220	B	70-05-01	1430		33	1200	B
69-04-21	1540		21	433	B	70-05-11	1450		10.0	346	B
69-04-22	1505		17	550	B	70-05-15	0800		68	2750	B
69-04-26	1735		24	6680	B	70-05-15	1415		71	3260	B
69-04-26	2050		71	5790	B	70-05-16	1140		26	523	B
69-04-27	0920		114	7180	B	70-05-18	1430		9.5	392	B
69-04-27	1835		26	2920	B	70-05-25	1440		7.3	122	B
69-04-28	1345		25	803	B	70-06-22	1510		6.4	220	B
69-05-04	0715		148	7800	B	70-06-29	1400		1.3	53	B
69-05-05	0155		1400	16100	B	70-09-22	1300		23	2240	B
69-05-05	0205		1320	13800	B	70-09-22	1345		729	14600	B
69-05-05	0250		1190	12900	B	70-09-22	1520		174	4300	B
69-05-05	0410		1510	20300	B	70-09-22	1730		783	8700	B
69-05-05	0545		1490	23700	B	70-09-22	2210		509	6810	B
69-05-05	0755		1270	21000	B	70-09-23	0630		451	5880	B
69-05-05	0900		1050	24900	B	70-09-23	0930		231	6440	B
69-05-05	1035		775	17500	B	70-09-23	1330		112	3370	B
69-05-05	1525		290	9020	B	70-09-24	0935		21	612	B
69-05-06	1515		210	5130	B	70-09-25	0840		18	302	B
69-05-06	1750		531	12300	B	70-09-28	1410		4.8	37	B
69-05-06	2055		4780	25200	B	70-10-06	0755		12	178	B
69-05-07	0040		3810	28900	B	70-10-13	0840		3.3	88	B
69-05-07	0635		856	21000	B	70-10-23	0750		11	254	B
69-05-07	1555		250	6250	B	70-10-26	1535		4.9	60	B
69-05-08	1400		110	3870	B	70-11-09	1635		5.3	69	B
69-05-09	0825		81	2320	B	70-11-23	1510		3.7	150	B
69-05-10	1005		67	1260	B	70-12-07	1525		6.0	140	B
69-05-12	1535		177	5060	B	70-12-21	1515		12	386	B
69-05-13	1225		57	1300	B	71-01-11	1445		17	317	B
69-05-15	1340		29	995	B	71-01-18	1455		7.6	57	B
69-05-16	1940		70	3600	B	71-02-01	1525		7.9	92	B
69-05-16	2235		183	9740	B	71-02-16	1540		7.3	100	B
69-05-19	1250		37	709	B	71-03-01	1505		9.3	184	B
69-05-26	1510		25	452	B	71-03-15	1450		7.3	168	B
69-06-09	1520		18	403	B	71-03-29	1540		6.9	125	B
69-06-14	0320		2340	22800	B	71-04-12	1520		3.7	142	B
69-06-14	0335		2440	20900	B	71-05-03	0755		7.0	154	B
69-06-14	0450		3230	44600	B	71-05-17	1430		0.90	106	B
69-06-14	0810		2670	23100	B	71-05-27	0840		10.0	330	B
69-06-14	1240		614	14400	B	71-05-31	2345		1220	13500	B
69-06-14	1545		335	8880	B	71-06-01	0055		907	12600	B
69-06-15	1040		62	2770	B	71-06-01	0230		1150	15400	B
69-06-16	1440		41	725	B	71-06-01	0240		1300	19800	B
69-06-23	1450		18	325	B	71-06-01	0320		1530	22000	B
69-07-07	1530		5.7	65	B	71-06-01	0530		1510	16100	B
69-07-22	1530		2.9	40	B	71-06-01	0710		889	13300	B
69-08-04	1525		8.3	120	B	71-06-01	1000		380	8360	B
69-09-02	1530		2.5	120	B	71-06-01	1045		319	7100	B
69-09-15	1455		2.6	25	B	71-06-01	1515		148	4600	B
69-09-16	0800		85	5680	B	71-06-02	0840		35	969	B

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
71-06-03	1510	18		500	B	24	72-05-15	1345	20	287	B	15
71-06-04	1310	18		310	B	15	72-05-22	1410	11	150	B	4.5
71-06-07	1435	4.2		84	B	0.95	72-05-30	1225	27	910	B	66
71-06-12	0715	34		1260	B	116	72-06-05	1435	6.8	122	B	2.2
71-06-14	1430	5.4		103	B	1.5	72-06-19	1405	5.0	157	B	2.1
71-06-21	0730	19		1170	B	60	72-06-26	1430	1.8	55	B	0.27
71-06-21	1320	19		700	B	36	72-07-10	1350	1.6	40	B	0.17
71-06-22	1240	15		116	B	4.7	72-09-05	1330	1.9	333	B	1.7
71-06-28	1505	0.90		55	B	0.13	72-09-29	0955	5.1	115	B	1.6
71-07-26	1310	1.0		90	B	0.24	72-10-22	1530	33	645	B	57
71-08-02	1405	1.0		44	B	0.12	72-10-24	1315	5.3	124	B	1.8
71-08-08	1430	23		2660	B	165	72-10-30	1735	2850	15800	B	122000
71-08-09	1455	16		415	B	18	72-10-30	1840	2950	10000	B	79700
71-08-14	1030	434		4110	B	4820	72-10-30	2010	2120	7960	B	45600
71-08-14	1135	424		7840	B	8980	72-10-30	2135	1560	11300	B	47600
71-08-14	1245	827		15900	B	35500	72-10-31	0720	282	3970	B	3020
71-08-14	1350	992		14400	B	38600	72-10-31	1005	527	10400	B	14800
71-08-14	1730	513		7630	B	10600	72-10-31	1125	519	6700	B	9390
71-08-15	0950	72		1900	B	369	72-10-31	1300	667	9670	B	17400
71-08-16	1520	22		348	B	21	72-10-31	1455	912	9940	B	24500
71-08-23	1420	3.3		117	B	1.0	72-10-31	1640	1180	11300	B	36000
71-09-07	1440	0.50		121	B	0.16	72-10-31	1905	1520	14300	B	58700
71-09-18	0910	176		4920	B	2340	72-11-01	0730	278	3260	B	2450
71-09-18	1145	148		3920	B	1570	72-11-01	0945	198	3820	B	2040
71-09-18	1345	197		10400	B	5530	72-11-01	1525	112	2170	B	656
71-09-20	1500	8.9		264	B	6.3	72-11-02	0945	46	895	B	111
71-09-24	1610	272		5080	B	3730	72-11-03	0910	32	430	B	37
71-09-24	1805	329		7950	B	7060	72-11-06	1445	16	232	B	10
71-09-25	0615	214		6660	B	3850	72-11-13	1545	61	2210	B	364
71-09-25	1510	70		2740	B	518	72-11-14	0920	26	575	B	40
71-09-27	1445	11		292	B	8.7	72-11-15	1325	17	475	B	22
71-10-03	0045	2630		11200	B	79500	72-11-27	1520	14	285	B	11
71-10-03	0415	3890		18700	B	196000	72-12-18	1430	13	325	B	11
71-10-03	0600	3230		17200	B	150000	73-01-02	1425	14	195	B	7.4
71-10-03	0840	1550		15000	B	62800	73-01-03	0850	77	1950	B	405
71-10-03	0925	1270		12200	B	41800	73-01-17	1040	42	1440	B	163
71-10-03	1500	430		8010	B	9300	73-01-22	1535	39	1620	B	171
71-10-04	1400	165		2860	B	1270	73-01-23	1440	27	819	B	60
71-10-05	1320	86		1660	B	385	73-01-24	1425	23	564	B	35
71-10-08	1420	25		535	B	36	73-01-26	0910	72	2930	B	570
71-10-12	1305	12		416	B	13	73-01-26	1405	74	2220	B	444
71-10-19	1310	13		440	B	15	73-01-27	0840	41	944	B	105
71-10-26	1330	11		182	B	5.4	73-01-29	1420	23	732	B	45
71-11-01	1605	12		222	B	7.2	73-02-05	1520	21	384	B	22
71-11-15	1430	9.3		260	B	6.5	73-02-20	0935	22	432	B	26
71-11-22	1325	10.0		430	B	12	73-03-02	0830	77	3140	B	653
71-12-06	1410	15		486	B	20	73-03-02	1600	47	1210	B	154
71-12-14	2250	74		4250	B	849	73-03-05	1440	24	663	B	43
71-12-15	0855	168		8150	B	3700	73-03-06	0550	111	6130	B	1840
71-12-15	1505	89		5240	B	1260	73-03-06	0855	72	3380	B	657
71-12-16	0800	36		1580	B	154	73-03-06	1340	128	5330	B	1840
71-12-17	1515	21		275	B	16	73-03-07	1135	43	1250	B	145
71-12-20	1515	19		451	B	23	73-03-08	1300	32	862	B	74
71-12-27	1425	14		393	B	15	73-03-10	1035	114	4770	B	1470
72-01-10	1325	14		412	B	16	73-03-10	1235	153	4160	B	1720
72-01-24	1415	14		360	B	14	73-03-10	1305	277	10800	B	8080
72-02-07	1320	12		812	B	26	73-03-10	1335	464	16000	B	20000
72-02-22	1410	11		230	B	6.8	73-03-10	1405	640	20900	B	36100
72-03-06	1430	11		183	B	5.4	73-03-10	1510	807	17300	B	37700
72-03-20	1400	10.0		170	B	4.6	73-03-10	1610	789	14500	B	30900
72-04-03	1430	9.3		163	B	4.1	73-03-10	1810	599	10400	B	16800
72-04-15	0810	24		1870	B	121	73-03-10	2010	443	4120	B	4930
72-04-15	0840	22		1360	B	81	73-03-12	0845	60	1450	B	235
72-04-15	0920	19		899	B	46	73-03-13	1440	43	1770	B	205
72-04-17	1500	9.4		186	B	4.7	73-03-19	1440	29	540	B	42
72-04-20	0900	28		1960	B	148	73-03-23	2210	135	6000	B	2190
72-04-20	1410	31		2850	B	239	73-03-23	2240	208	6970	B	3910
72-04-21	0855	28		762	B	58	73-03-23	2335	245	6500	B	4300
72-04-24	1455	9.1		180	B	4.4	73-03-24	0030	329	10300	B	9150
72-04-27	0350	496		15300	B	20500	73-03-24	0100	359	8870	B	8600
72-04-27	0525	743		20900	B	41900	73-03-24	0300	356	11300	B	10900
72-04-27	0705	1440		30100	B	117000	73-03-24	0430	428	8860	B	10200
72-04-27	0840	1080		24300	B	70900	73-03-24	0530	634	7840	B	13400
72-04-27	1005	752		19900	B	40400	73-03-24	0900	575	13200	B	20500
72-04-27	1140	513		15000	B	20800	73-03-24	1000	499	9740	B	13100
72-04-27	1440	285		10400	B	8000	73-03-24	1100	436	6230	B	7330
72-04-27	1630	214		7600	B	4390	73-03-24	1300	349	2550	B	2400
72-04-28	1325	54		1270	B	185	73-03-25	1445	147	3440	B	1370
72-04-30	0415	300		12500	B	10100	73-03-26	1455	62	1610	B	270
72-04-30	0600	639		21100	B	36400	73-03-27	1115	51	1060	B	146
72-04-30	0640	852		22500	B	51800	73-03-30	0935	45	880	B	107
72-04-30	0750	1010		21600	B	58900	73-04-02	1530	48	876	B	114
72-04-30	1400	382		8840	B	9120	73-04-03	1340	87	1080	B	254
72-05-01	1035	64		1370	B	237	73-04-09	1430	43	872	B	101
72-05-02	1330	37		705	B	70	73-04-16	1500	102	2630	B	724
72-05-03	1445	23		537	B	33	73-04-19	0900	175	6830	B	3230
72-05-08	1425	18		427	B	21	73-04-20	0840	51	967	B	133
72-05-12	0715	110		4310	B	1280	73-04-23	1545	59	1530	B	244
72-05-12	1300	326		9690	B	8530	73-04-30	1435	34	525	B	48

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

660

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-05-07	1335	36		1010	B 98	73-10-11	0530	183		3590	B 1770
73-05-14	1445	20		466	B 25	73-10-11	0745	189		3830	B 1950
73-05-22	2355	322		11800	B 10300	73-10-11	0900	287		4550	B 3530
73-05-23	0055	313		5640	B 4770	73-10-11	1105	387		6650	B 6950
73-05-23	0155	364		9860	B 9690	73-10-11	1300	349		6460	B 6090
73-05-23	0330	456		10300	B 12700	73-10-11	1600	279		4550	B 3430
73-05-23	0515	391		9030	B 9530	73-10-12	1225	756		1580	B 3230
73-05-23	0710	494		10100	B 13500	73-10-12	1355	91		2580	B 634
73-05-23	0845	490		12000	B 15900	73-10-12	1725	182		3100	B 1520
73-05-24	1345	54		912	B 133	73-10-12	1955	256		4100	B 2830
73-05-31	0845	201		6890	B 3740	73-10-12	2155	290		4800	B 3760
73-05-31	1500	168		4480	B 2030	73-10-12	2350	288		5680	B 4420
73-06-01	1225	159		3900	B 1670	73-10-13	0150	274		4030	B 2980
73-06-01	1330	239		8200	B 5290	73-10-13	0550	197		5650	B 3010
73-06-02	0200	490		7150	B 9460	73-10-13	0750	158		5470	B 2330
73-06-02	0230	1220		15000	B 49400	73-10-13	0950	139		4800	B 1800
73-06-02	0300	1540		18200	B 75700	73-10-13	1055	134		3730	B 1350
73-06-02	0420	2070		15200	B 85000	73-10-13	1350	118		1900	B 605
73-06-02	0710	3390		22400	B 205000	73-10-13	1950	97		1880	B 492
73-06-02	1025	4740		15200	B 195000	73-10-16	1430	54		1040	B 152
73-06-02	1200	4180		13700	B 155000	73-11-05	1425	31		1000	B 84
73-06-02	1350	2820		14300	B 109000	73-11-19	1505	36		652	B 63
73-06-02	1825	1040		13200	B 37100	73-11-20	0915	111		2530	B 758
73-06-02	2035	1120		16700	B 50500	73-11-20	1540	77		1410	B 293
73-06-02	2140	1160		19600	B 61400	73-11-21	1055	56		1280	B 194
73-06-02	2240	1140		12400	B 38200	73-11-26	1435	56		1290	B 195
73-06-03	0600	517		7130	B 9950	73-12-03	1440	53		1180	B 169
73-06-03	1125	349		4770	B 4490	73-12-19	1435	40		1040	B 112
73-06-04	1445	177		2580	B 1230	74-01-14	1400	39		795	B 84
73-06-05	1520	118		1980	B 631	74-01-29	1305	27		805	B 59
73-06-06	1420	87		1420	B 334	74-02-12	1345	32		732	B 63
73-06-11	1520	39		597	B 63	74-02-21	0905	327		11400	B 10100
73-06-18	2210	708		11800	B 22600	74-02-21	1520	248		8360	B 5600
73-06-18	2335	880		14500	B 34500	74-02-22	1005	74		2200	B 440
73-06-19	0205	1390		17600	B 66100	74-02-26	1000	32		2370	B 205
73-06-19	0345	1020		11600	B 31900	74-03-09	0855	232		9910	B 6210
73-06-19	0845	349		6880	B 6480	74-03-10	1230	64		1720	B 297
73-06-19	2230	181		2550	B 1250	74-03-10	1625	219		6370	B 3770
73-06-20	0950	87		1620	B 381	74-03-10	1855	382		13900	B 14300
73-06-25	1400	38		553	B 57	74-03-10	2030	1120		34200	B 103000
73-07-09	1335	19		276	B 14	74-03-10	2055	1370		38200	B 141000
73-07-16	1340	31		562	B 47	74-03-11	0005	1210		28700	B 93800
73-07-23	0250	5130		21600	B 299000	74-03-11	0105	961		24900	B 64600
73-07-23	0400	5720		18100	B 280000	74-03-11	1300	231		5740	B 3580
73-07-23	0705	5910		17500	B 279000	74-03-12	0835	94		2090	B 530
73-07-23	0825	5940		17400	B 279000	74-03-19	1340	43		718	B 83
73-07-23	0850	5730		16000	B 248000	74-04-02	1325	34		456	B 42
73-07-23	1035	4170		14200	B 160000	74-04-11	0900	289		7950	B 6200
73-07-23	1255	1860		12900	B 64800	74-04-11	1050	398		9300	B 9990
73-07-23	1405	1340		11600	B 42000	74-04-11	1350	317		6170	B 5280
73-07-24	0800	384		4880	B 5060	74-04-11	1550	251		4360	B 2950
73-07-24	1415	347		4020	B 3770	74-04-11	2155	139		2980	B 1120
73-07-26	1245	123		2160	B 717	74-04-12	0845	72		1610	B 313
73-07-27	1255	103		1530	B 425	74-04-16	1450	34		557	B 51
73-07-28	2330	138		1520	B 566	74-04-29	1345	43		758	B 88
73-07-29	0005	283		5140	B 3930	74-04-29	2235	447		9530	B 11500
73-07-29	0105	398		11500	B 12400	74-04-29	2310	817		18100	B 39900
73-07-29	0845	572		10900	B 16800	74-04-29	2400	991		14400	B 38500
73-07-30	1350	248		3710	B 2480	74-04-30	0200	679		9220	B 16900
73-08-02	0810	60		1420	B 230	74-04-30	0400	1310		22700	B 80300
73-08-06	1305	42		875	B 99	74-04-30	0430	1540		24100	B 100000
73-08-09	0825	50		2320	B 313	74-04-30	0905	753		17500	B 35600
73-08-13	1320	28		467	B 35	74-04-30	1800	275		6530	B 4850
73-08-27	1425	13		371	B 13	74-04-30	2355	171		4600	B 2120
73-09-06	0825	114		3950	B 1220	74-05-01	1210	112		2700	B 816
73-09-06	1250	186		4940	B 2480	74-05-01	1530	160		5040	B 2180
73-09-06	1720	145		1510	B 591	74-05-01	1800	219		6550	B 3870
73-09-07	0220	129		1510	B 526	74-05-01	2130	250		3830	B 2590
73-09-07	0250	148		2710	B 1080	74-05-02	0920	250		4340	B 2930
73-09-07	0350	233		4940	B 3110	74-05-03	0830	84		1550	B 352
73-09-07	0450	337		5950	B 5410	74-05-06	0915	43		863	B 100
73-09-07	0830	348		6090	B 5720	74-05-13	1415	32		445	B 38
73-09-07	1155	230		3600	B 2240	74-05-28	1400	47		660	B 84
73-09-08	1045	89		1840	B 442	74-05-31	0945	58		1140	B 179
73-09-10	1350	36		693	B 67	74-06-11	1400	26		415	B 29
73-09-13	0915	1240		19000	B 63600	74-06-17	0900	137		7090	B 2620
73-09-13	1030	875		16700	B 39500	74-06-17	0945	517		15600	B 21800
73-09-13	1355	388		9460	B 9910	74-06-17	1235	1300		21500	B 75500
73-09-14	1150	102		2070	B 570	74-06-17	1405	1150		17000	B 52800
73-09-17	1405	40		1300	B 140	74-06-18	1000	82		2100	B 465
73-09-27	0835	266		6350	B 4560	74-06-24	1340	17		190	B 8.7
73-09-27	1355	176		3320	B 1580	74-07-08	1440	8.2		150	B 3.3
73-09-28	0815	77		1620	B 337	74-07-22	1435	4.4		92	B 1.1
73-10-01	1405	37		777	B 78	74-08-05	1220	6.0		128	B 2.1
73-10-09	1510	34		729	B 67	74-08-09	2330	181		9640	B 4710
73-10-11	0155	55		2830	B 420	74-08-10	0005	158		8730	B 3720
73-10-11	0230	144		5920	B 2300	74-08-10	0030	159		4030	B 1730
73-10-11	0300	144		3730	B 1450	74-08-10	0130	189		5720	B 2920
73-10-11	0330	134		2620	B 948	74-08-10	0230	181		5070	B 2480

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

661

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-08-10	0330	187	7530	B	3800	75-05-15	2045	78	1500	B	316
74-08-10	0400	172	6020	B	2800	75-05-16	1345	47	901	B	114
74-08-10	0500	141	6020	B	2290	75-05-19	1450	37	626	B	63
74-08-10	0530	309	11100	B	9260	75-05-20	0645	113	3930	B	1200
74-08-10	0600	614	14100	B	23400	75-05-20	0715	130	4980	B	1750
74-08-10	0700	910	13100	B	32200	75-05-20	0740	137	5050	B	1870
74-08-10	0800	890	10600	B	25500	75-05-20	0810	140	4850	B	1830
74-08-10	0900	746	9050	B	18200	75-05-20	0910	138	5700	B	2120
74-08-10	1200	426	8040	B	9250	75-05-20	0945	131	5450	B	1930
74-08-10	1700	251	7030	B	4760	75-05-20	1130	108	2700	B	787
74-08-10	2100	153	5220	B	2160	75-05-22	1900	81	4660	B	1020
74-08-13	0840	17	566	B	26	75-05-22	1935	414	8520	B	9520
74-08-19	1435	7.7	155	B	3.2	75-05-22	2005	679	11100	B	20300
74-09-03	1410	12	85	B	2.8	75-05-22	2035	912	11500	B	28300
74-09-16	1350	33	826	B	74	75-05-22	2105	1070	9470	B	27400
74-10-01	1420	13	180	B	6.3	75-05-22	2135	1320	12100	B	43100
74-10-15	1345	18	200	B	9.7	75-05-22	2210	1600	16100	B	69600
74-10-28	0950	223	8550	B	5150	75-05-22	2240	1950	20100	B	106000
74-10-28	1050	241	6630	B	4310	75-05-22	2310	2440	22000	B	145000
74-10-28	1320	281	5320	B	4040	75-05-22	2340	3000	22400	B	181000
74-10-28	1630	197	4510	B	2400	75-05-23	0010	3350	24800	B	224000
74-10-29	1505	41	963	B	107	75-05-23	0040	3620	25200	B	246000
74-10-30	1930	151	4710	B	1920	75-05-23	0110	3850	23300	B	242000
74-10-30	2020	188	5720	B	2900	75-05-23	0140	4020	24300	B	264000
74-10-30	2330	485	5520	B	7230	75-05-23	0210	4100	19500	B	216000
74-10-31	0110	670	8440	B	15300	75-05-23	0240	4130	18000	B	201000
74-10-31	0300	654	6530	B	11500	75-05-23	0340	3970	17800	B	191000
74-10-31	0615	474	4810	B	6160	75-05-23	0440	3650	16100	B	159000
74-10-31	0945	281	6090	B	4620	75-05-23	0505	3520	12500	B	119000
74-10-31	1615	162	3510	B	1540	75-05-23	0640	3030	16100	B	132000
74-11-01	1300	61	1100	B	181	75-05-23	0800	2430	15400	B	101000
74-11-03	2230	130	2880	B	1010	75-05-23	0910	2030	12300	B	67400
74-11-03	2330	132	3790	B	1350	75-05-23	1205	1290	10100	B	35200
74-11-04	0200	123	3310	B	1100	75-05-23	1420	986	12200	B	32500
74-11-04	1135	59	2250	B	358	75-05-23	1835	680	9260	B	17000
74-11-11	1505	42	554	B	63	75-05-23	2230	525	7000	B	9920
74-11-25	1535	26	366	B	26	75-05-24	1235	272	3520	B	2590
74-12-09	1550	25	355	B	24	75-05-27	1450	76	1490	B	306
75-01-02	1330	198	4720	B	2520	75-05-28	1045	2090	26600	B	150000
75-01-06	1535	32	822	B	71	75-05-28	1325	2060	17800	B	99000
75-01-20	1440	28	406	B	31	75-05-28	1515	1520	13600	B	55800
75-01-31	1035	102	2670	B	735	75-05-28	1920	864	8540	B	19900
75-02-03	1255	79	254	B	54	75-05-29	0850	339	5670	B	5190
75-02-04	1425	92	1980	B	492	75-05-29	1500	693	9050	B	16900
75-02-19	1225	52	870	B	122	75-05-29	2145	549	6020	B	8920
75-03-03	1320	33	484	B	43	75-05-30	0840	364	3770	B	3710
75-03-17	1420	47	418	B	53	75-05-30	2015	195	2100	B	1110
75-03-31	1415	44	471	B	56	75-05-31	0815	133	1800	B	646
75-04-08	0400	194	3670	B	1920	75-06-02	0925	87	1260	B	296
75-04-08	0455	247	4950	B	3300	75-06-09	1405	104	2690	B	755
75-04-08	0625	260	5000	B	3510	75-06-10	1310	149	2750	B	1110
75-04-08	0725	241	6040	B	3930	75-06-10	1420	139	2000	B	751
75-04-08	0815	219	8000	B	4730	75-06-10	2230	96	1500	B	389
75-04-08	0845	205	10600	B	5870	75-06-11	0730	80	800	B	173
75-04-08	1045	156	5640	B	2380	75-06-16	1400	44	921	B	109
75-04-14	1425	49	548	B	73	75-06-22	0715	247	4080	B	2720
75-04-28	1405	44	488	B	58	75-06-22	0815	378	6430	B	6560
75-05-02	2005	89	3260	B	783	75-06-22	0915	468	9000	B	11400
75-05-02	2105	325	9360	B	8210	75-06-22	1020	550	12200	B	18100
75-05-02	2135	339	7390	B	6760	75-06-22	1600	419	6730	B	7610
75-05-02	2205	342	7400	B	6830	75-06-22	1945	301	3610	B	2930
75-05-02	2305	461	11200	B	13900	75-06-22	2345	216	2300	B	1340
75-05-03	0005	540	15400	B	22500	75-06-23	0745	116	1500	B	470
75-05-03	0035	523	9850	B	13900	75-06-23	1130	655	5620	B	9940
75-05-03	0135	443	8980	B	10700	75-06-23	1245	103	2000	B	556
75-05-03	0235	374	9970	B	10100	75-06-23	1300	153	4510	B	1860
75-05-03	0335	315	6670	B	5670	75-06-23	1440	145	3330	B	1300
75-05-03	0415	281	6370	B	4830	75-06-24	0800	139	2500	B	938
75-05-03	0500	253	3890	B	2660	75-06-24	1600	93	800	B	201
75-05-03	0600	224	2990	B	1810	75-06-24	2330	1310	33000	B	117000
75-05-03	0800	184	2010	B	999	75-06-25	0005	1800	34900	B	170000
75-05-03	1100	139	1880	B	706	75-06-25	0100	2070	26400	B	148000
75-05-03	1800	89	1260	B	303	75-06-25	0500	694	15800	B	29600
75-05-12	1420	29	367	B	29	75-06-25	0815	384	10800	B	11200
75-05-14	0240	80	2060	B	445	75-06-25	1130	293	6730	B	5320
75-05-14	0350	139	2940	B	1100	75-06-25	1530	248	5120	B	3430
75-05-14	0520	171	3850	B	1780	75-06-25	2330	205	3010	B	1670
75-05-14	0820	306	4250	B	3510	75-06-26	1005	168	2880	B	1310
75-05-14	1020	324	5340	B	4670	75-06-26	1930	133	2100	B	754
75-05-14	1215	393	4820	B	5110	75-07-07	1450	36	1170	B	114
75-05-14	1245	518	7450	B	10400	75-07-21	1420	27	612	B	45
75-05-14	1315	647	13500	B	23600	75-07-24	0815	2190	18700	B	111000
75-05-14	1455	854	17100	B	39400	75-07-24	1025	1820	12100	B	59500
75-05-14	1520	863	14400	B	33600	75-07-24	1430	854	10600	B	24400
75-05-14	1650	779	13300	B	28000	75-07-24	1915	1020	14100	B	38800
75-05-14	1750	686	10800	B	20000	75-07-25	1000	388	5130	B	5370
75-05-14	2150	400	6270	B	6770	75-07-25	1700	376	8650	B	8780
75-05-15	0150	278	4610	B	3460	75-07-25	1740	631	11400	B	19400
75-05-15	1255	113	2240	B	683	75-07-25	2200	978	7130	B	18800

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## RED RIVER BASIN

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
75-07-26	1230	430		4010	B	4660	77-04-27	1010	17	740	B	34
75-07-27	1000	282		3510	B	2670	77-04-30	0900	38	1530	B	157
75-07-28	1000	115		2130	B	661	77-05-02	0650	70	1210	B	229
75-07-29	1600	710		7740	B	14800	77-05-02	0820	173	3440	B	1610
75-07-29	1630	1770		28500	B	136000	77-05-02	1120	151	2830	B	1150
75-07-29	1700	2460		27700	B	184000	77-05-02	1315	143	3600	B	1390
75-07-29	1800	3710		21600	B	216000	77-05-02	1510	121	2850	B	931
75-07-29	1930	4360		17200	B	202000	77-05-02	1915	79	1540	B	328
75-07-29	2320	2800		13100	B	99000	77-05-10	1405	16	580	B	25
75-07-30	0330	977		10300	B	27200	77-05-19	1645	554	7620	B	11400
75-07-30	0915	527		6800	B	9680	77-05-19	1715	852	12100	B	27800
75-08-04	1445	78		1330	B	280	77-05-19	1815	1400	10400	B	39300
75-08-11	1350	38		710	B	73	77-05-19	2000	1350	13100	B	47700
75-08-18	1430	34		645	B	59	77-05-20	0940	509	9190	B	12600
75-09-02	1400	20		300	B	16	77-05-21	1015	366	6270	B	6200
75-09-12	0230	79		1000	B	213	77-05-21	2130	187	3310	B	1670
75-09-12	0400	96		2200	B	570	77-05-22	0330	155	2000	B	837
75-09-12	0700	126		2500	B	850	77-05-22	1630	92	1200	B	298
75-09-12	1100	97		2000	B	524	77-05-23	1005	59	2170	B	346
75-09-13	2000	97		2000	B	524	77-05-25	1455	43	1160	B	135
75-09-14	1330	91		1300	B	319	77-05-27	0030	80	3420	B	739
75-09-16	1015	61		325	B	54	77-05-27	0130	98	2700	B	714
75-09-30	1340	35		340	B	32	77-05-27	0230	137	3510	B	1300
75-10-14	1445	29		300	B	23	77-05-27	0410	148	4110	B	1640
75-10-28	1445	23		628	B	39	77-05-27	0505	150	3110	B	1260
75-11-11	1540	29		395	B	31	77-05-27	0610	165	4310	B	1920
75-11-25	1515	31		760	B	64	77-05-27	0730	187	3210	B	1620
75-12-09	1440	20		450	B	24	77-05-27	0835	293	5120	B	4050
75-12-23	1445	30		400	B	32	77-05-27	0935	467	6020	B	7590
76-01-06	1525	34		570	B	52	77-05-27	1110	570	8040	B	12400
76-01-20	1500	32		407	B	35	77-05-27	1235	596	7030	B	11300
76-02-03	1510	25		640	B	43	77-05-27	1310	619	9350	B	15600
76-02-17	1510	29		595	B	47	77-05-27	1420	856	15200	B	35100
76-03-02	1505	35		365	B	34	77-05-27	1830	754	9760	B	19900
76-03-08	0900	146		1400	B	552	77-05-27	2030	558	8750	B	13200
76-03-16	1420	35		385	B	36	77-05-27	2230	414	6930	B	7750
76-03-30	1455	35		605	B	57	77-05-28	0030	324	5120	B	4480
76-04-13	1120	31		260	B	22	77-05-28	0630	215	5020	B	2910
76-04-19	0620	284		4010	B	3070	77-05-28	0830	197	3810	B	2030
76-04-19	0725	296		6020	B	4810	77-05-28	1035	174	3010	B	1410
76-04-19	0825	279		3810	B	2870	77-05-28	1430	137	2200	B	814
76-04-19	0945	420		11900	B	13500	77-05-28	2235	99	1800	B	481
76-04-19	1100	702		15700	B	29800	77-05-29	1035	68	1000	B	184
76-04-19	1600	436		8170	B	9620	77-05-31	1145	1340	23500	B	85000
76-04-20	1130	125		2260	B	763	77-06-02	1320	208	2800	B	1570
76-04-27	1415	28		663	B	50	77-06-07	1335	33	660	B	59
76-04-28	2015	90		2440	B	593	77-06-15	1045	20	624	B	34
76-04-29	0115	83		1610	B	361	77-06-30	0845	16	395	B	17
76-05-11	1405	30		256	B	21	77-07-01	1235	209	6590	B	3720
76-05-25	1410	27		337	B	25	77-07-12	1410	8.4	310	B	7.0
76-05-26	1605	191		4410	B	2270	77-07-26	1415	4.5	335	B	4.1
76-05-26	1705	216		2500	B	1460	77-08-01	0120	125	3800	B	1280
76-05-26	1805	304		4510	B	3700	77-08-01	0145	192	9020	B	4680
76-05-27	0855	169		3060	B	1400	77-08-01	0215	296	7280	B	5820
76-06-08	1430	21		180	B	10	77-08-01	0315	473	6460	B	8250
76-06-22	1420	14		200	B	7.6	77-08-01	0415	437	5570	B	6570
76-06-24	0920	401		4330	B	4690	77-08-01	0515	325	6020	B	5280
76-06-25	1030	67		1380	B	250	77-08-01	0615	229	6830	B	4220
76-06-28	1045	25		600	B	40	77-08-01	0715	170	5720	B	2630
76-07-07	1235	12		210	B	6.8	77-08-01	0820	121	3690	B	1210
76-07-15	2115	123		2650	B	880	77-08-01	0945	83	3210	B	719
76-07-16	1320	40		645	B	70	77-08-09	1415	5.2	162	B	2.3
76-07-20	1340	12		110	B	3.6	77-08-23	1050	7.8	117	B	2.5
76-08-03	1505	6.9		163	B	3.0	77-08-24	2105	306	9580	B	7910
76-08-17	1435	3.9		106	B	1.1	77-08-24	2145	444	11800	B	14100
76-08-31	1315	29		670	B	52	77-08-24	2215	515	7780	B	10800
76-09-13	0855	73		2300	B	453	77-08-24	2245	467	7050	B	8890
76-09-13	1050	139		4430	B	1660	77-08-24	2345	309	6500	B	5420
76-09-13	1245	189		4360	B	2220	77-08-25	0045	226	5290	B	3230
76-09-14	1355	40		830	B	90	77-08-25	0145	171	3640	B	1680
76-09-28	1345	9.1		170	B	4.2	77-08-25	0245	131	3130	B	1110
76-10-13	1355	0.60		190	B	0.31	77-08-25	0445	89	2730	B	656
76-10-27	1350	14		190	B	7.2	77-08-29	0405	116	4530	B	1420
76-11-10	1420	14		140	B	5.3	77-08-29	0435	228	5880	B	3620
76-11-23	1430	15		175	B	7.1	77-08-29	0505	228	7280	B	4480
76-12-08	1440	19		376	B	19	77-08-29	0605	134	4150	B	1500
77-01-04	1440	21		640	B	36	77-08-30	1055	52	1670	B	234
77-02-01	1505	22		655	B	39	77-09-07	1130	12	150	B	4.9
77-02-14	1450	29		366	B	29	77-09-21	1400	5.8	140	B	2.2
77-03-01	1510	18		400	B	19	77-10-05	0925	10.0	356	B	9.6
77-03-03	1035	43		1250	B	145	77-10-18	1120	6.3	176	B	3.0
77-03-16	1515	18		255	B	12	77-11-02	0940	8.9	160	B	3.8
77-03-29	1500	25		577	B	39	77-11-16	1055	11	210	B	6.2
77-04-13	1115	14		260	B	9.8	77-11-29	1410	13	220	B	7.7
77-04-20	2300	124		8990	B	3010	77-12-13	1425	17	480	B	22
77-04-20	2330	180		7930	B	3850	78-01-04	1445	18	470	B	23
77-04-21	0030	231		5620	B	3510	78-02-15	1150	29	837	B	66
77-04-21	0220	250		4740	B	3200	78-03-02	1110	24	295	B	19
77-04-21	1430	120		3010	B	975	78-04-06	0150	85	5390	B	1240

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## RED RIVER BASIN

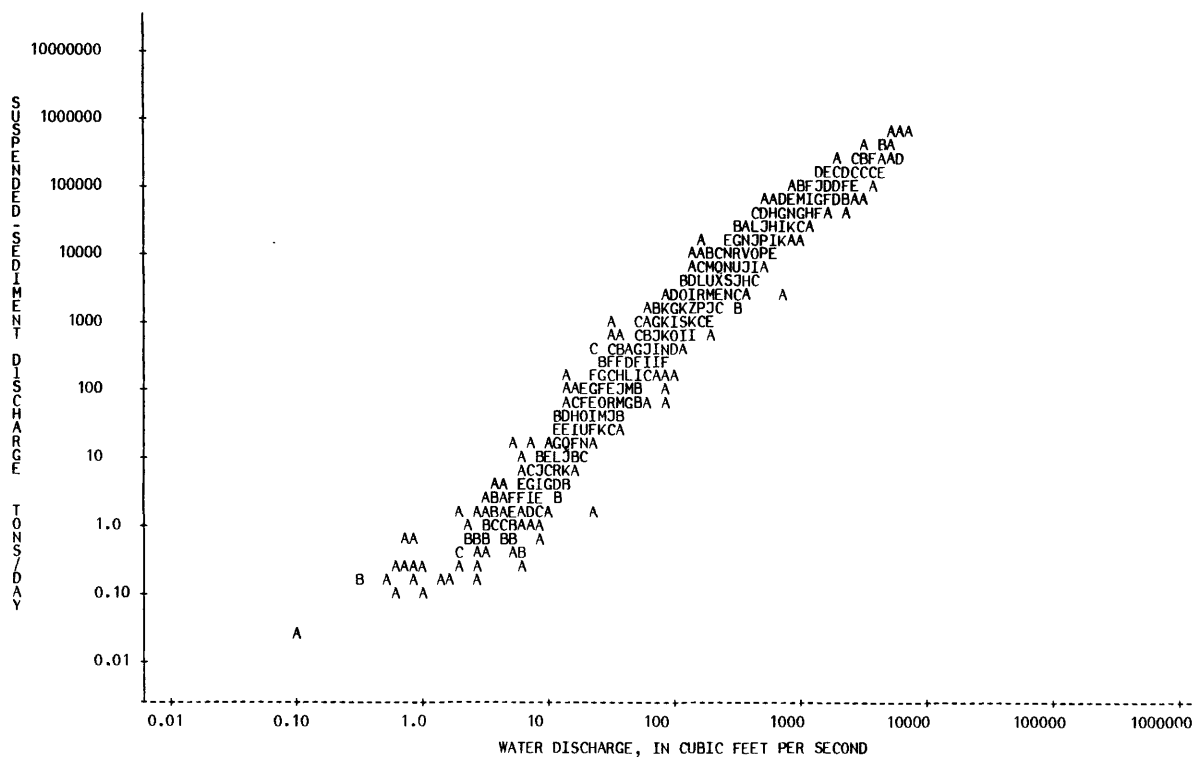
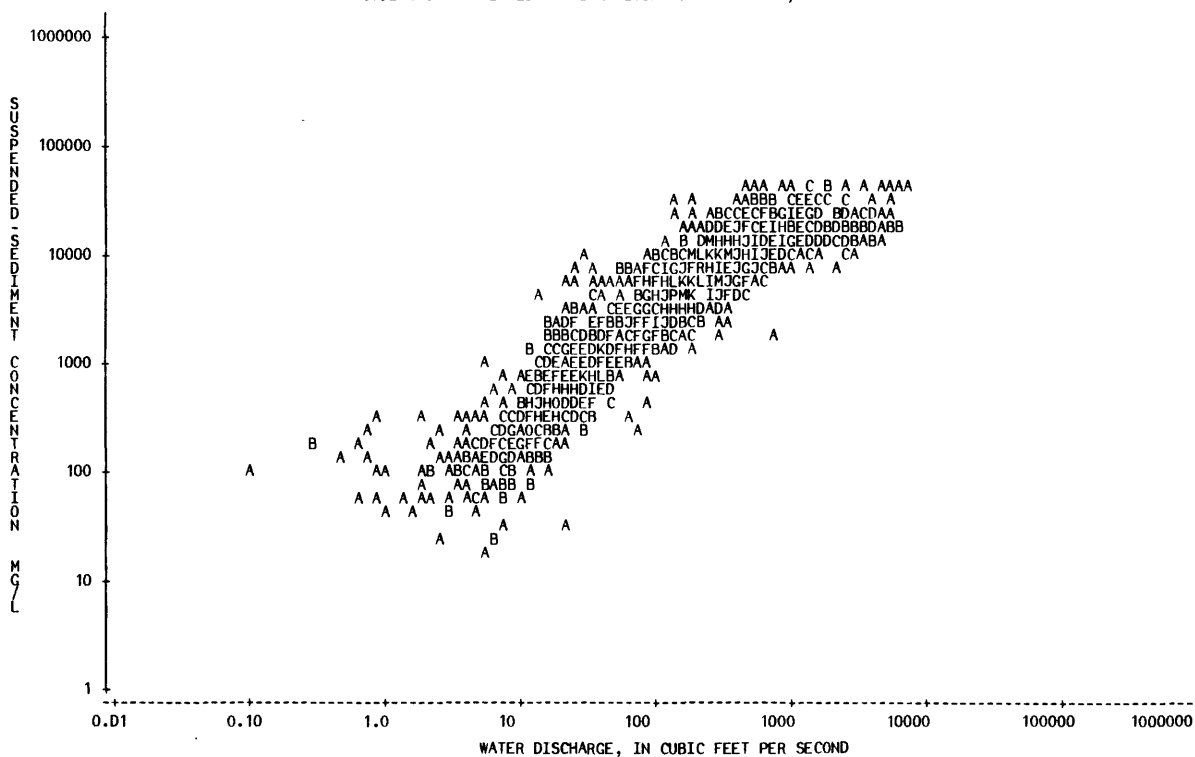
07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.--CONTINUED

663

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-04-06		0220	89	5080	B	1220					
78-04-06		0250	83	7050	B	1580					
78-04-06		0320	80	7430	B	1600					
78-04-06		0620	88	3870	B	920					
78-04-06		0650	89	4060	B	976					
78-04-06		0720	89	3810	B	916					
78-04-06		0750	85	3350	B	769					
78-05-02		2135	99	2890	B	772					
78-05-02		2205	114	2360	B	726					
78-05-02		2235	125	2970	B	1000					
78-05-02		2305	135	3790	B	1380					
78-05-02		2335	143	3740	B	1440					
78-05-03		0005	146	4030	B	1590					
78-05-03		0035	146	4420	B	1740					
78-05-03		0105	146	4810	B	1900					
78-05-03		0135	143	4880	B	1880					
78-05-03		0205	136	4660	B	1710					
78-05-03		0235	133	4080	B	1470					
78-05-03		0335	120	3800	B	1230					
78-05-03		0435	115	3790	B	1180					
78-05-03		0535	106	3570	B	1020					
78-05-03		0635	99	2750	B	735					
78-05-03		0735	94	2750	B	698					
78-05-03		0835	89	2070	B	497					
78-05-03		0935	85	2080	B	477					
78-05-03		1245	70	1620	B	306					
78-05-09		1255	17	475	B	22					
78-05-22		1330	20	350	B	19					
78-05-27		1005	271	4810	B	3520					
78-05-28		1440	1280	7320	B	25300					
78-05-30		0835	150	2840	B	1150					
78-06-02		1345	47	620	B	79					
78-06-06		0245	155	8400	B	3520					
78-06-06		0315	658	18900	B	33600					
78-06-06		0345	1120	23200	B	70200					
78-06-06		0415	1740	13500	B	63400					
78-06-06		0445	2340	13300	B	84000					
78-06-06		0515	2660	14100	B	101000					
78-06-06		0545	2680	14200	B	103000					
78-06-06		0645	2280	16000	B	98500					
78-06-06		0815	2190	15600	B	92200					
78-06-06		0915	2570	42100	B	292000					
78-06-06		0945	2680	34200	B	247000					
78-06-06		1015	2680	18900	B	137000					
78-06-06		1115	2550	19200	B	132000					
78-06-06		1215	2230	15400	B	92700					
78-06-06		1315	1840	15900	B	79000					
78-06-06		1415	1500	13300	B	53900					
78-06-06		1515	1240	16200	B	54200					
78-06-06		1615	1070	14500	B	41900					
78-06-06		1715	955	12900	B	33300					
78-06-06		1815	853	12300	B	28300					
78-06-06		2015	687	12200	B	22600					
78-06-06		2115	626	10000	B	16900					
78-06-06		2215	574	10100	B	15700					
78-06-06		2315	539	9880	B	14400					
78-06-07		0045	501	7940	B	10700					
78-06-07		0315	453	8060	B	9860					
78-06-07		0515	431	7600	B	8840					
78-06-07		0615	420	5700	B	6460					
78-06-07		0715	409	5400	B	5960					
78-06-07		0915	386	6520	B	6800					
78-06-07		1015	376	5520	B	5600					
78-06-07		1115	366	5020	B	4960					
78-06-07		1315	345	4210	B	3920					
78-06-07		1415	335	3860	B	3490					
78-06-07		1515	325	3720	B	3260					
78-06-07		1615	318	3530	B	3030					
78-06-07		1715	310	3260	B	2730					
78-06-07		1815	302	2250	B	1830					
78-06-07		1915	295	1850	B	1470					
78-06-12		1230	45	640	B	78					
78-06-30		0905	17	594	B	27					
78-07-12		1250	6.8	190	B	3.5					
78-07-25		1300	5.8	160	B	2.5					
78-08-08		0840	4.5	170	B	2.1					
78-08-22		0850	7.3	250	B	4.9					
78-09-05		1025	3.4	200	B	1.8					

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07327490 LITTLE WASHITA RIVER NEAR NINNEKAH, OKLA.



## RED RIVER BASIN

07328000 WASHITA RIVER NEAR TABLER, OKLA.

LOCATION.--Lat 34°58', long 97°51', in SW 1/4 SW 1/4 sec.21, T.6 N., R.6 W., Grady County, Hydrologic Unit 11130303, at abandoned highway bridge, 1 mi (1.6 km) downstream from Little Washita River, 5 mi (8.0 km) south of Tabler, 7.5 mi (12.1 km) upstream from Winter Creek, and at mile 243.0 (391.0 km).

DRAINAGE AREA.--4,706 mi<sup>2</sup> (12,188 km<sup>2</sup>).

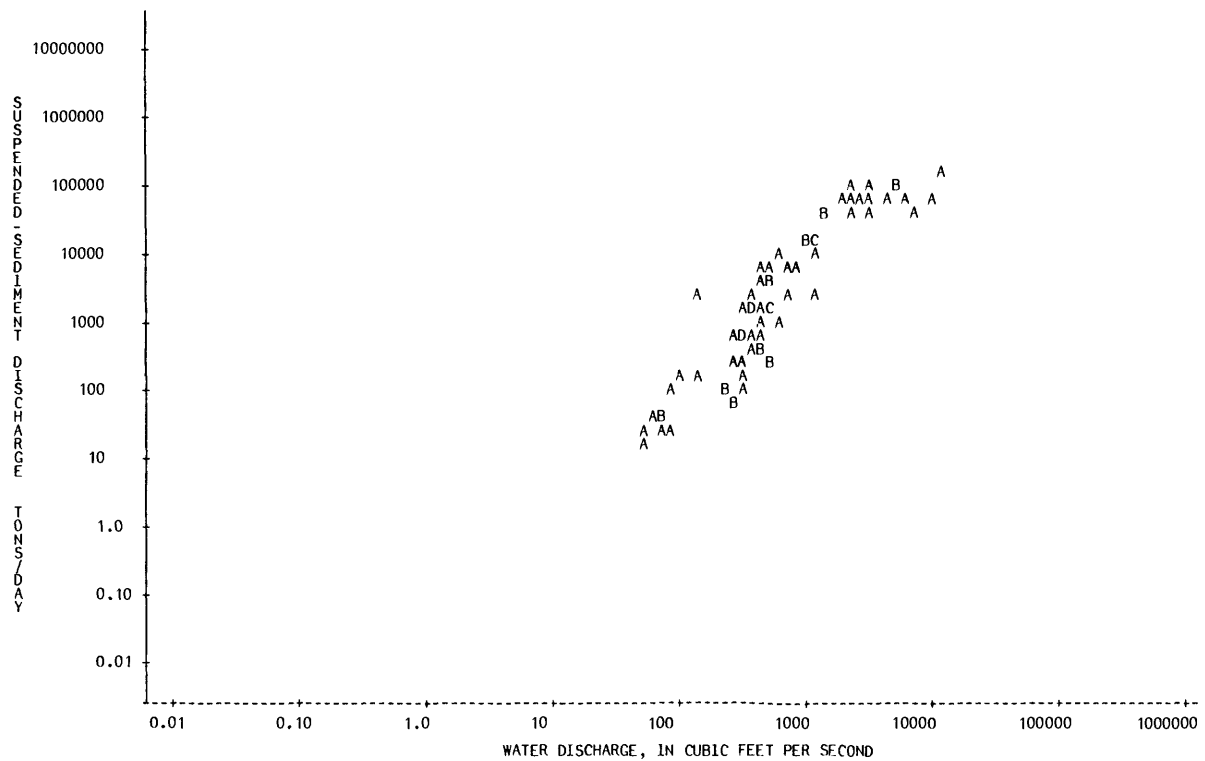
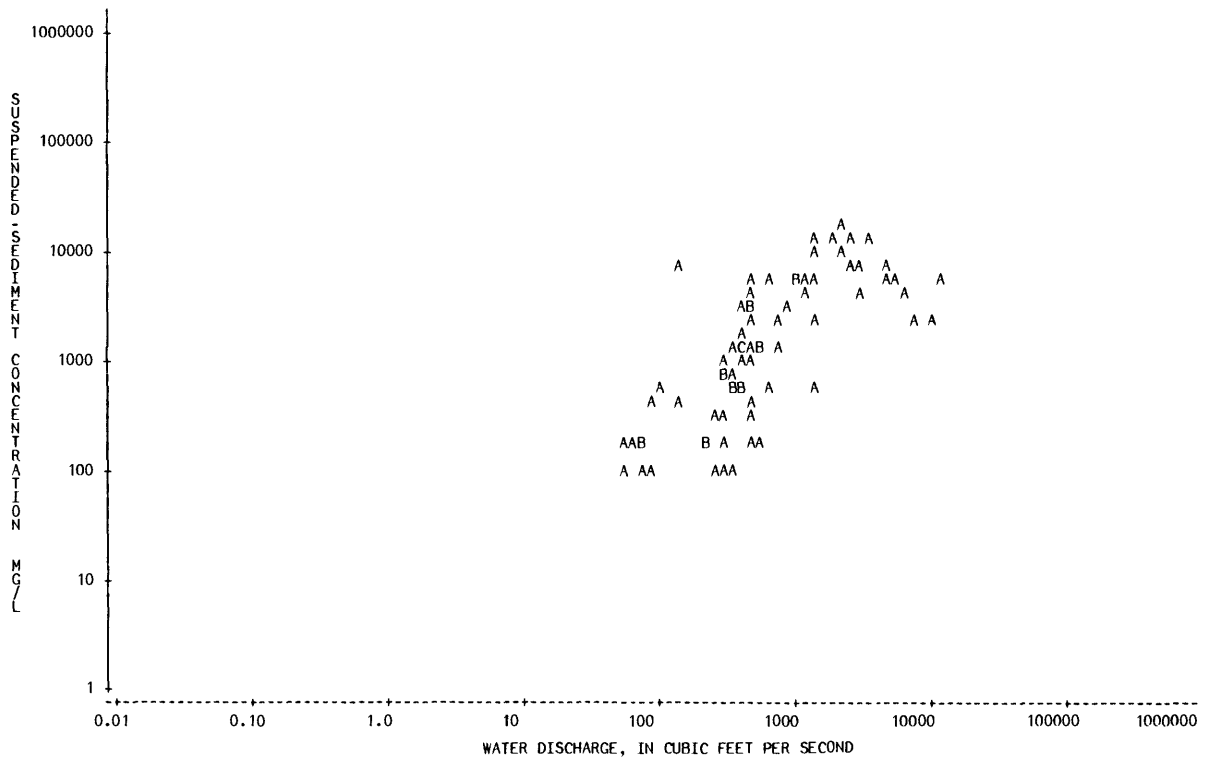
PERIOD OF RECORD.--Water years 1942-52, 1954.

REMARKS.--Low flow regulation by powerplant at Chickasha 9 mi (12.9 km) above station. Initial upstream floodwater retarding structure was completed in July 1948. Construction is continuing with 1,116 mi<sup>2</sup> (2,890 km<sup>2</sup>) currently controlled below Foss and Fort Cobb Reservoirs.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-09-11			1280	600	A 2070	49-08-01			220	200	A 119
42-09-23			1900	13200	A 67700	50-05-03			434	300	A 352
42-10-01			489	2500	A 3300	50-05-12			1280	2400	A 8290
42-10-22			2330	16700	A 105000	50-05-23			963	5200	A 13500
42-11-12			482	1100	A 1430	50-06-22			483	5500	A 7170
43-02-03			541	1400	A 2040	50-07-20			12000	6100	A 198000
43-04-23			451	1300	A 1580	50-07-21			6300	4300	A 73100
43-04-27			388	2900	A 3040	51-02-23			481	200	A 260
43-04-28			373	2000	A 2010	51-05-05	0001		390	1300	A 1370
43-05-11			2140	10000	A 57800	51-05-05	0002		88	400	A 95
43-05-12			2420	7700	A 50300	51-05-26			3050	8200	A 67500
43-05-14			1280	5600	A 19400	51-07-26			370	1300	A 1300
43-05-21			5180	6200	A 86700	51-08-09			81	100	A 22
43-05-27			1250	5500	A 18600	51-08-22	0001		78	200	A 42
43-06-24			470	4800	A 6090	51-08-22	0002		333	100	A 90
43-07-02			495	3600	A 4810	51-09-25			228	200	A 123
44-04-28			391	1300	A 1370	51-10-04			63	200	A 34
44-05-09			465	2900	A 3640	51-10-09			54	200	A 29
44-05-17			279	100	A 75	51-11-01			94	600	A 152
44-05-23			1060	5800	A 16600	51-11-30			72	200	A 39
44-06-17			4840	6700	A 87600	52-01-05			76	100	A 21
44-06-20			1250	4700	A 15900	52-06-11			252	100	A 68
44-06-27			3350	11800	A 107000	53-10-10			53	100	A 14
44-07-11			325	1500	A 1320						
44-07-26			336	700	A 635						
44-08-09			305	900	A 741						
44-08-24			270	300	A 219						
44-09-14			300	800	A 648						
44-10-06			1420	11700	A 44900						
44-11-09			292	800	A 631						
44-11-23			295	200	A 159						
45-01-25			351	600	A 569						
45-03-22			614	5100	A 8450						
45-04-06			375	500	A 506						
45-05-03			648	600	A 1050						
45-05-10			517	200	A 279						
45-08-02			427	600	A 692						
45-09-27			855	2900	A 6690						
45-10-25			425	900	A 1030						
46-06-28			2570	11700	A 81200						
46-10-14			1400	9600	A 36300						
48-03-31			471	400	A 509						
48-05-11			784	2600	A 5500						
48-06-01			143	8000	A 3090						
48-11-08			340	600	A 551						
49-02-08			2960	4600	A 36800						
49-04-13			303	300	A 245						
49-04-28			141	400	A 152						
49-05-24			7720	2400	A 50000						
49-05-31			4330	5100	A 59600						
49-06-07			10100	2100	A 57300						
49-06-22			730	1400	A 2760						
49-07-07			548	1200	A 1780						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07328000 WASHITA RIVER NEAR TABLER, OKLA.



## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.

LOCATION.--Lat 34°55'35", long 97°46'30", in NW 1/4 sec.7, T.5 N., R.5 W., Grady County, Hydrologic Unit 11130303, near left bank on downstream side of county road bridge, 1.0 mi (1.6 km) north of Alex, 3.8 mi (6.1 km) downstream from Winter Creek, and at mile 226.5 (362.4 km).

DRAINAGE AREA.--4,787 mi<sup>2</sup> (12,398 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1962-78.

REMARKS.--Some regulation since March 1959 by Fort Cobb Reservoir, since February 1961 by Foss Reservoir. Initial upstream floodwater-retarding structure was completed in July 1948. Construction is continuing with 1,151 mi<sup>2</sup> (2,981 km<sup>2</sup>) currently controlled below Foss and Fort Cobb Reservoir. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		
62-01-03		0915	357	523	B	504	62-10-23		1445	1990	10200	R	54800
62-01-15		1620	299	674	B	544	62-10-26		1200	500	4200	B	5670
62-01-26		1520	350	912	B	862	62-10-31		1600	984	2840	B	7550
62-02-12		1405	312	405	B	341	62-11-01		1120	843	4110	B	9350
62-02-20		1615	321	594	B	515	62-11-14		1245	242	342	B	223
62-03-08		1325	286	342	B	264	62-11-27		1135	356	640	B	615
62-03-19		1630	260	494	B	347	62-12-10		1105	297	283	B	227
62-03-21		1050	422	1100	B	1250	62-12-26		1150	264	104	B	74
62-04-04		1500	238	231	B	148	63-01-07		1245	267	459	B	331
62-04-11		1620	615	5040	B	8370	63-01-22		1105	245	234	B	155
62-04-13		1050	424	1100	B	1260	63-02-05		1120	266	205	B	147
62-04-28		1615	862	6500	B	15100	63-02-19		1120	299	155	B	125
62-04-30		1520	863	2930	B	6830	63-03-05		1450	220	127	B	75
62-05-01		1445	1110	4930	B	14800	63-03-19		1205	292	230	B	181
62-05-03		1100	506	3430	B	4690	63-04-03		1205	264	444	B	316
62-05-18		1525	164	454	B	201	63-04-03		1420	396	1040	B	1110
62-05-27		1245	1510	12000	B	48900	63-04-03		1600	508	1450	B	1990
62-05-28		1510	1530	5540	B	22900	63-04-17		1200	280	173	B	131
62-05-29		1315	2960	10700	B	85500	63-04-27		1250	1620	9720	B	42500
62-05-29		1615	2940	12600	B	100000	63-05-01		1235	316	620	B	529
62-05-30		1200	2720	9210	B	67600	63-05-15		1345	129	240	B	84
62-05-31		1045	1970	5530	B	29400	63-05-27		1215	144	282	B	110
62-06-02		1230	6900	10600	B	197000	63-06-07		1310	222	416	B	249
62-06-03		1000	2510	5160	B	35000	63-06-11		1345	351	1060	B	1000
62-06-04		1100	1550	3710	B	15500	63-06-13		1500	454	1240	B	1520
62-06-06		0445	4550	15000	B	184000	63-06-23		1400	3980	16400	B	176000
62-06-06		0825	4200	16900	B	192000	63-06-23		1840	2490	12500	B	84000
62-06-06		1030	3850	14400	B	150000	63-06-24		1130	418	3000	B	3390
62-06-08		1545	3560	9990	B	96000	63-06-25		1610	498	2700	B	3630
62-06-09		2030	5180	10800	B	151000	63-06-26		1330	2400	12500	B	81000
62-06-11		1735	4030	10100	B	110000	63-06-27		1120	1210	8850	B	28900
62-06-12		1255	4410	6730	B	80100	63-07-10		1225	75	57	B	12
62-06-18		1110	2030	4240	B	23200	63-07-24		1400	50	90	B	12
62-06-28		1105	787	1700	B	3610	63-08-06		1330	8.9	112	B	2.7
62-07-09		1355	338	628	B	573	63-08-20		1550	38	90	B	9.2
62-07-20		1220	616	2290	B	3810	63-09-04		1110	23	15	B	0.93
62-07-24		1320	219	215	B	127	63-09-18		0910	1270	6740	B	23100
62-07-25		1515	220	7170	B	4260	63-09-18		1435	1100	7740	B	23000
62-07-28		1035	1600	6520	B	28200	63-10-03		1040	50	107	B	14
62-08-06		1500	685	4550	B	8420	63-10-15		1515	33	88	B	7.8
62-08-22		1030	116	160	B	50	63-10-31		1515	67	140	B	25
62-09-06		1500	224	1720	B	1040	63-11-14		1300	44	62	B	7.4
62-09-11		1455	217	531	B	311	63-11-27		1400	87	94	B	22
62-09-12		1015	597	2450	B	3950	63-12-19		1450	71	104	B	20
62-09-19		1700	2150	9160	B	53200	64-01-02		1430	92	94	B	23
62-09-20		2120	9010	11300	B	275000	64-01-15		1515	67	95	B	17
62-09-21		0040	7580	9470	B	194000	64-01-31		1030	129	340	B	118
62-09-21		0325	6320	8480	B	145000	64-02-05		1720	263	1240	B	881
62-09-21		1520	4210	9040	B	103000	64-02-06		1130	232	370	B	232
62-09-22		1145	3380	7080	B	64600	64-02-12		1410	193	1770	B	922
62-09-23		1620	997	3150	B	8480	64-02-27		1250	105	152	B	43
62-10-09		1505	334	550	B	496	64-03-11		1020	130	234	B	82
62-10-22		1630	1380	4550	B	17000	64-03-24		0950	107	182	B	53

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

WATER				SUSPENDED	SUSPENDED	WATER				SUSPENDED	SUSPENDED
DATE	#	TIME	DISCHARGE	CONCENTRATION	DISCHARGE	DATE	#	TIME	DISCHARGE	CONCENTRATION	DISCHARGE
			(CFS)	(MG/L)	(TONS/DAY)				(CFS)	(MG/L)	(TONS/DAY)
64-04-06	1310	163	1760	B	775	64-11-25	0955	602	2490	B	4050
64-04-08	1335	120	386	B	125	64-11-27	1530	436	1050	B	1240
64-04-22	1475	388	1110	B	1160	64-12-07	1400	269	610	B	443
64-04-24	1135	175	449	B	212	64-12-22	1300	221	500	B	298
64-05-01	1300	136	267	B	98	65-01-04	1540	210	294	B	167
64-05-06	1120	483	9980	B	13000	65-01-18	1500	194	380	B	199
64-05-06	1325	364	4640	B	4560	65-01-22	1155	283	1820	B	1390
64-05-07	1020	194	1920	B	1010	65-01-27	1440	197	234	B	124
64-05-08	0910	258	1800	B	1250	65-02-15	1105	303	309	B	253
64-05-08	0950	279	1330	B	1000	65-03-09	1200	158	260	B	111
64-05-09	1400	122	696	B	229	65-03-22	1030	312	663	B	559
64-05-10	0740	5500	19500	B	290000	65-04-08	1130	262	666	B	471
64-05-10	1025	4560	14300	B	176000	65-04-09	1335	343	4060	B	3760
64-05-10	1415	2940	9690	B	76900	65-04-14	1625	601	1710	B	2770
64-05-10	1510	2110	9170	B	52200	65-04-14	2120	1210	18500	B	60400
64-05-10	1700	1360	8010	B	29400	65-04-15	1445	1630	9350	B	41100
64-05-11	0745	2550	13300	B	91600	65-04-16	1330	633	3360	B	5740
64-05-11	1025	2200	14700	B	87300	65-04-18	1215	769	2870	B	5960
64-05-12	1010	749	4390	B	8880	65-04-26	1245	267	305	B	220
64-05-13	1000	1840	8150	B	40500	65-05-10	1200	327	6730	B	5940
64-05-14	1015	1940	9690	B	50800	65-05-11	1030	462	2370	B	2960
64-05-20	1535	291	1000	B	786	65-05-13	1335	232	486	B	304
64-05-27	1505	102	242	B	67	65-05-14	1215	284	1040	B	797
64-05-30	0930	729	3880	B	7640	65-05-15	1240	277	784	B	586
64-06-01	1600	398	740	B	795	65-05-16	1810	929	4160	B	10400
64-06-03	1455	607	2520	B	4130	65-05-17	1515	719	4390	B	8520
64-06-10	1450	138	252	B	94	65-05-19	1330	572	2880	B	4450
64-06-18	1430	494	1880	B	2510	65-05-21	1140	518	1320	B	1850
64-06-19	2020	789	4250	B	9050	65-05-24	1135	291	496	B	390
64-06-24	1355	147	538	B	214	65-05-25	1405	249	861	B	579
64-06-30	1405	61	90	B	15	65-05-26	0800	428	6760	B	7810
64-07-09	1520	18	52	B	2.5	65-05-27	1050	239	2180	B	1410
64-07-20	1300	2.2	38	B	0.23	65-05-28	1130	211	1670	B	951
64-08-06	1450	40	185	B	20	65-06-01	1125	204	346	B	191
64-08-07	1820	198	2630	B	1410	65-06-02	1230	477	1990	B	2560
64-08-13	0930	30	140	B	11	65-06-02	1615	571	4040	B	6230
64-08-15	0925	370	7350	B	7340	65-06-03	1315	369	1000	B	996
64-08-17	0930	92	455	B	113	65-06-04	1040	331	1740	B	1560
64-08-21	1255	2180	9100	B	53600	65-06-05	1325	943	5140	B	13100
64-08-22	1330	1350	5240	B	19100	65-06-06	1340	636	4120	B	7070
64-08-24	1535	324	2770	B	2420	65-06-07	1150	464	2700	B	3380
64-08-25	1215	257	2160	B	1500	65-06-09	1100	624	3270	B	5510
64-08-27	0930	160	985	B	426	65-06-11	1125	396	1680	B	1800
64-09-04	1235	62	100	B	17	65-06-15	1145	340	752	B	690
64-09-11	1425	22	77	B	4.6	65-06-16	1235	1160	6100	B	19100
64-09-16	1325	221	3420	B	2040	65-06-17	1235	967	5730	B	15000
64-09-20	0750	911	10100	B	24800	65-06-18	1455	754	3750	B	7630
64-09-20	0920	558	7030	B	10600	65-06-22	1130	528	1820	B	2590
64-09-21	1040	171	1570	B	725	65-06-23	1105	557	1960	B	2950
64-09-22	1140	140	627	B	237	65-06-24	0910	522	1150	B	1620
64-09-23	1415	296	1110	B	887	65-06-25	0815	2020	7260	B	39600
64-09-24	1655	428	2330	B	2690	65-06-25	1335	2220	11200	B	67100
64-09-25	1005	317	2100	B	1800	65-06-26	1355	1470	5880	B	23300
64-09-28	1055	252	1330	B	905	65-06-28	1305	898	5340	B	12900
64-09-30	1100	609	2600	B	4280	65-06-29	1235	901	4200	B	10200
64-09-30	1300	601	2780	B	4510	65-07-01	1050	413	2280	B	2540
64-10-01	1100	433	5680	B	6640	65-07-07	1220	160	271	B	117
64-10-02	1500	274	3310	B	2450	65-07-16	1030	72	90	B	17
64-10-05	1400	102	430	B	118	65-07-28	1140	33	90	B	8.0
64-10-08	1450	67	205	B	37	65-08-06	2030	28	428	B	32
64-10-13	1020	267	1490	B	1070	65-08-07	1135	604	4640	B	7570
64-10-13	1200	250	2410	B	1630	65-08-08	0450	839	10100	B	22900
64-10-21	1150	48	153	B	20	65-08-08	0620	2410	17200	B	112000
64-11-02	1300	93	280	B	70	65-08-08	0805	3320	17400	B	156000
64-11-04	1205	750	6320	B	12800	65-08-08	1130	3530	11700	B	112000
64-11-04	1515	556	5160	B	7750	65-08-08	1605	1930	6750	B	35200
64-11-05	1330	278	2090	B	1570	65-08-09	1510	380	4330	B	4440
64-11-06	1335	1530	6490	B	26800	65-08-11	1515	155	465	B	195
64-11-07	0810	2990	9590	B	77400	65-08-16	1220	218	1410	B	830
64-11-07	1105	3060	9600	B	79300	65-08-17	1230	177	930	B	444
64-11-07	1520	3190	9210	B	79300	65-08-23	1230	86	386	B	90
64-11-08	1405	3880	7620	B	79800	65-08-24	1215	84	126	B	29
64-11-08	1715	3940	7590	B	80700	65-08-28	1120	3540	12500	B	119000
64-11-09	0625	4220	7520	B	85700	65-08-28	1235	3620	9990	B	97600
64-11-09	1710	4050	6930	B	75800	65-08-28	1415	3770	9100	B	92600
64-11-10	1015	1600	5040	B	21800	65-08-29	1515	453	2790	B	3410
64-11-12	1310	666	3120	B	5610	65-08-30	1030	201	1250	B	678
64-11-17	1440	2350	8700	B	55200	65-08-31	1945	291	6490	B	5100
64-11-18	1505	1160	4740	B	14800	65-08-31	2315	597	5680	B	9160
64-11-18	1635	1180	5220	B	16600	65-09-01	0710	521	6460	B	9090
64-11-19	1020	3100	9650	B	80800	65-09-01	1220	286	2860	B	2210
64-11-19	1205	3170	9550	B	81700	65-09-04	1120	302	1770	B	1440
64-11-20	0845	2640	8510	B	60700	65-09-07	1400	45	80	B	9.7
64-11-20	1315	2660	8570	B	61500	65-09-18	1130	48	796	B	103
64-11-20	1730	2670	9170	B	66100	65-09-19	2315	812	7040	B	15400
64-11-21	1135	2830	7760	B	59300	65-09-20	0635	251	1900	B	1290
64-11-21	1550	2800	7830	B	59200	65-09-21	0700	328	2350	B	2080
64-11-22	1320	2170	6560	B	38400	65-09-21	1300	134	1050	B	380
64-11-23	1255	1150	3920	B	12200	65-09-22	0135	1700	10600	B	48700

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED

669

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-09-22	0800	2380	12500	B	80300	66-03-13	1620	466	4700	B	5910
65-09-22	0925	2510	13300	B	90100	66-03-14	0840	515	1770	B	2460
65-09-22	1115	2650	13900	B	99500	66-03-14	1500	647	1980	B	3460
65-09-22	1405	2900	14000	B	110000	66-03-14	1720	702	2350	B	4450
65-09-22	1555	3060	13800	B	114000	66-03-15	0100	863	3050	B	7110
65-09-22	2225	3490	10200	B	96100	66-03-15	0730	1020	3820	B	10500
65-09-23	0345	3900	8680	B	91400	66-03-15	0945	1070	4250	B	12300
65-09-23	0825	4140	8570	B	95800	66-03-15	1405	1140	6050	B	18600
65-09-23	1030	4200	7980	B	90500	66-03-15	1620	1170	5370	B	17000
65-09-23	1305	4260	7910	B	91000	66-03-16	0055	1050	5590	B	15800
65-09-23	1510	4330	8100	B	94700	66-03-16	1820	807	4360	B	9500
65-09-24	0010	4560	7810	B	96200	66-03-17	0130	759	4690	B	9610
65-09-24	1055	4730	7160	B	91400	66-03-18	0940	540	3090	B	4510
65-09-24	1550	4820	7120	B	92700	66-03-21	1520	386	670	B	698
65-09-24	2220	4990	6130	B	82600	66-03-28	1000	240	331	B	214
65-09-25	0305	5090	5880	B	80800	66-04-05	1300	201	125	B	68
65-09-25	0850	5140	6620	B	91900	66-04-14	1015	167	71	B	32
65-09-25	1005	5160	7180	B	100000	66-04-23	1035	390	1240	B	1310
65-09-25	1710	5230	6340	B	89500	66-04-23	1735	510	2390	B	3290
65-09-26	0125	5340	5020	B	72400	66-04-24	1110	487	2340	B	3080
65-09-26	0830	5380	6050	B	87900	66-04-24	2120	304	1200	B	985
65-09-26	0940	5400	6100	B	88900	66-04-25	1155	303	788	B	645
65-09-26	1750	5700	5450	B	83900	66-04-26	0935	883	4350	B	10400
65-09-27	0130	5800	5110	B	80000	66-04-26	1445	771	3840	B	7990
65-09-27	0930	5260	6060	B	86100	66-04-27	0825	462	1550	B	1930
65-09-27	1350	4410	6430	B	76600	66-04-27	1635	444	1260	B	1510
65-09-27	1540	3950	6770	B	72200	66-04-28	1040	361	876	B	854
65-09-28	0910	2370	5420	B	34700	66-04-29	0935	310	738	B	618
65-09-28	1425	2250	4910	B	29800	66-05-02	1130	335	448	B	405
65-09-30	1405	2010	4230	B	23000	66-05-17	1420	163	230	B	101
65-10-01	1430	2010	4220	B	22900	66-05-31	1350	106	212	B	61
65-10-08	1145	1430	2720	B	10500	66-06-10	0135	87	520	B	122
65-10-15	1050	468	987	B	1250	66-06-11	0215	141	1200	B	457
65-10-18	1015	391	858	B	906	66-06-11	0655	372	2490	B	2500
65-10-20	0905	619	1600	B	2670	66-06-11	1050	573	3050	B	4720
65-10-20	1120	998	3430	B	9240	66-06-11	1320	603	2460	B	4010
65-10-20	1335	1510	4820	B	19700	66-06-16	1055	350	6240	B	5900
65-10-20	1500	1880	5540	B	28100	66-06-16	1515	312	2620	B	2210
65-10-20	1605	2070	5890	B	32900	66-06-17	1005	168	816	B	370
65-10-20	2345	2970	9070	B	72700	66-06-20	1335	109	153	B	45
65-10-21	0410	3270	10900	B	96200	66-07-05	1220	46	60	B	7.5
65-10-21	1050	3690	12500	B	125000	66-07-22	0950	18	46	B	2.2
65-10-21	1315	3810	11500	B	118000	66-07-23	1025	45	136	B	17
65-10-21	1510	3890	11000	B	116000	66-07-24	1430	213	3520	B	2020
65-10-21	2135	4150	9240	B	104000	66-07-24	1545	138	1440	B	537
65-10-22	0320	4430	8780	B	105000	66-07-24	1720	93	1000	B	251
65-10-22	0835	4490	9630	B	117000	66-07-24	1825	173	1770	B	827
65-10-22	1110	4550	8890	B	109000	66-07-24	1945	273	3590	B	2650
65-10-22	1320	4560	8640	B	106000	66-07-24	2105	3240	2290	B	20000
65-10-22	1535	4560	8400	B	103000	66-07-24	2230	373	3260	B	3280
65-10-23	0350	4730	6840	B	87400	66-07-24	2325	399	4630	B	4990
65-10-23	0850	4830	7450	B	97200	66-07-25	1110	155	2280	B	954
65-10-23	1750	4960	8070	B	108000	66-07-25	1700	110	885	B	263
65-10-23	2155	4780	5920	B	76400	66-07-26	1555	77	174	B	36
65-10-24	0140	2890	5870	B	45800	66-08-08	1515	14	31	B	1.2
65-10-24	1000	1430	7810	B	30200	66-08-11	0510	97	2240	B	587
65-10-24	1110	2760	6700	B	49900	66-08-11	0525	133	4480	B	1610
65-10-24	2320	2030	5820	B	31900	66-08-11	0540	174	5980	B	2810
65-10-25	1150	1640	4540	B	20100	66-08-11	0630	184	5680	B	2820
65-10-26	1135	1390	3320	B	12500	66-08-11	0830	137	2150	B	795
65-10-28	1340	1020	2190	B	6030	66-08-11	1115	72	2850	B	554
65-11-01	1530	686	1190	B	2200	66-08-11	1555	36	945	B	92
65-11-08	1200	457	1170	B	1440	66-08-11	1830	33	756	B	67
65-11-15	1020	356	932	B	896	66-08-11	2305	105	660	B	187
65-11-23	1140	326	500	B	440	66-08-12	1315	50	108	B	15
65-12-07	1230	255	435	B	299	66-08-14	0210	204	820	B	452
65-12-22	1100	206	211	B	117	66-08-14	0400	246	1070	B	711
65-12-27	0755	1960	7120	B	37700	66-08-14	0645	285	1050	B	808
65-12-27	1240	2020	7790	B	42500	66-08-14	0805	301	1060	B	861
65-12-27	1522	1990	6850	B	36800	66-08-14	1245	328	583	B	516
65-12-28	1205	1230	5430	B	18000	66-08-14	1610	318	769	B	660
65-12-29	1010	807	2990	B	6510	66-08-15	1140	200	758	B	409
65-12-30	1230	937	2680	B	6780	66-08-16	1000	117	1050	B	332
66-01-03	1400	481	710	B	922	66-08-19	2015	145	394	B	154
66-01-07	1135	321	370	B	321	66-08-19	2345	217	788	B	462
66-01-17	1050	258	322	B	224	66-08-20	0630	315	1470	B	1250
66-01-24	1100	255	184	B	127	66-08-20	0750	320	1260	B	1090
66-02-09	1330	316	492	B	420	66-08-20	1145	334	3150	B	2840
66-02-12	0800	564	1250	B	1900	66-08-20	1445	308	3450	B	2870
66-02-12	1415	715	1910	B	3690	66-08-21	1630	194	3110	B	1630
66-02-12	1625	719	1990	B	3860	66-08-21	1945	293	5360	B	4240
66-02-13	1105	612	1330	B	2200	66-08-21	2320	1100	8210	B	24400
66-02-24	1435	271	253	B	185	66-08-22	0725	684	3010	B	5560
66-03-08	1000	321	374	B	324	66-08-22	1215	410	4480	B	4960
66-03-12	1010	946	4520	B	11500	66-08-22	1530	354	2910	B	2780
66-03-12	1225	1230	13000	B	43200	66-08-22	1825	801	3410	B	7370
66-03-12	1530	1080	11200	B	32700	66-08-22	2245	699	6280	B	11900
66-03-13	0130	785	5050	B	10700	66-08-23	0905	426	1660	B	1910
66-03-13	0755	559	6630	B	10000	66-08-23	1330	373	1940	B	1950

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
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## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
*****												
66-08-23	1955	432		3260	B	3800	67-04-18	1240	511	1890	B	2610
66-08-23	2335	624		2430	B	4090	67-04-20	2135	1110	4150	B	12400
66-08-24	0215	967		3480	B	9090	67-04-20	2200	1590	6650	B	28500
66-08-24	0330	1070		4450	B	12900	67-04-20	2235	2160	8960	B	52300
66-08-24	0520	1170		4700	B	14800	67-04-20	2320	2420	14800	B	96700
66-08-24	0705	1240		3890	B	13000	67-04-21	0015	2450	18900	B	125000
66-08-24	0835	1250		2970	B	10000	67-04-21	0110	2330	13800	B	86800
66-08-24	1040	1180		3320	B	10600	67-04-21	0340	1820	7310	B	35900
66-08-24	1535	895		3370	B	8140	67-04-21	0515	1570	6420	B	27200
66-08-25	0005	529		2120	B	3030	67-04-21	1115	983	5160	B	13700
66-08-25	1235	372		2150	B	2160	67-04-21	1610	741	3420	B	6840
66-08-26	1545	276		644	B	480	67-04-22	1150	464	1500	B	1880
66-08-29	1005	206		348	B	194	67-04-27	1230	209	1140	B	643
66-08-31	1150	483		1330	B	1730	67-05-01	1400	130	245	B	86
66-08-31	1505	675		1500	B	2730	67-05-05	2325	480	6180	B	8010
66-08-31	1645	718		1700	B	3300	67-05-06	0125	469	7820	B	9900
66-08-31	2200	636		2260	B	3880	67-05-06	0250	384	4570	B	4740
66-09-01	0705	656		2830	B	5010	67-05-06	0435	296	2280	B	1820
66-09-01	1010	661		3270	B	5840	67-05-06	0930	939	4260	B	10800
66-09-01	1550	582		3230	B	5080	67-05-06	1615	1050	6160	B	17500
66-09-01	1920	541		2740	B	4000	67-05-07	1440	413	2010	B	2240
66-09-01	2305	550		2410	B	3580	67-05-08	0950	275	1010	B	750
66-09-02	0635	605		1790	B	2920	67-05-15	1155	113	181	B	55
66-09-02	1040	649		1940	B	3400	67-05-20	1600	110	484	B	144
66-09-02	1635	679		2080	B	3810	67-05-20	1840	228	6020	B	3710
66-09-03	0930	470		1640	B	2080	67-05-22	1150	120	338	B	110
66-09-04	1330	347		1260	B	1180	67-05-31	1315	152	553	B	227
66-09-04	1645	416		1710	B	1920	67-06-12	1135	44	62	B	7.4
66-09-05	1440	210		970	B	550	67-06-17	1340	152	365	B	150
66-09-12	1420	102		145	B	40	67-06-19	1130	106	167	B	48
66-09-14	0715	346		3520	B	3290	67-06-26	1155	433	1440	B	1680
66-09-14	1005	1350		7300	B	26600	67-06-26	1510	394	1140	B	1210
66-09-14	1255	2940		12600	B	100000	67-06-29	0900	60	268	B	43
66-09-14	1430	3290		10000	B	88800	67-06-30	0750	434	1110	B	1300
66-09-14	1615	3330		7830	B	70400	67-06-30	1305	449	1190	B	1440
66-09-14	1740	3200		7110	B	61400	67-07-01	1155	269	1040	B	755
66-09-14	2105	2710		7840	B	57400	67-07-03	1130	184	2680	B	1330
66-09-15	0035	2330		6870	B	43200	67-07-03	1530	184	1020	B	507
66-09-15	0320	2020		5900	B	32200	67-07-05	1540	151	318	B	130
66-09-15	0655	1470		5550	B	22000	67-07-06	0540	229	508	B	314
66-09-15	1220	860		5010	B	11600	67-07-07	1445	402	732	B	795
66-09-15	1620	631		4560	B	7770	67-07-10	1230	126	314	B	107
66-09-16	1520	267		2350	B	1690	67-07-17	1245	35	65	B	6.1
66-09-28	1020	202		242	B	132	67-08-07	1055	19	114	B	5.8
66-09-28	1450	178		412	B	198	67-08-28	1000	45	83	B	10
66-09-28	1945	283		1260	B	963	67-09-03	2330	138	4030	B	1500
66-09-29	1130	209		1460	B	824	67-09-05	1015	235	1060	B	673
66-09-30	1015	185		1340	B	669	67-09-05	1450	229	1160	B	717
66-10-03	1410	227		334	B	205	67-09-06	1020	195	851	B	448
66-10-31	1450	55		62	B	9.2	67-09-07	0850	144	639	B	248
66-11-17	1400	77		92	B	19	67-09-08	0840	104	315	B	88
66-11-28	1035	94		23	B	5.8	67-09-11	1200	41	129	B	14
66-12-05	1235	85		66	B	15	67-09-18	1155	36	117	B	11
66-12-19	1325	91		40	B	9.8	67-09-18	1555	156	816	B	344
67-01-16	1120	82		48	B	11	67-09-19	0935	327	951	B	840
67-01-30	1205	92		26	B	6.5	67-09-21	1015	87	503	B	118
67-02-27	1150	88		25	B	5.9	67-09-24	1015	229	831	B	514
67-03-13	1135	73		53	B	10	67-09-25	1315	194	676	B	354
67-03-25	2040	158		1140	B	486	67-09-27	0915	296	1650	B	1320
67-03-26	0150	496		1640	B	2200	67-09-27	1510	397	1830	B	1960
67-03-26	0435	598		6340	B	10200	67-09-28	1040	234	708	B	447
67-03-26	1000	431		3980	B	4630	67-09-29	0830	133	1200	B	431
67-03-27	1135	196		3000	B	1590	67-09-29	1420	151	1210	B	493
67-04-03	1115	104		180	B	51	67-09-30	0755	258	1060	B	738
67-04-10	1255	1590		7060	B	30300	67-10-01	0955	332	1750	B	1570
67-04-10	1745	1340		5530	B	20000	67-10-01	1730	284	1360	B	1040
67-04-10	2120	965		4650	B	12100	67-10-02	0925	211	1890	B	1080
67-04-11	0130	670		3330	B	6020	67-10-08	1105	704	7080	B	13500
67-04-11	1100	410		2250	B	2490	67-10-09	1000	167	3090	B	1390
67-04-11	1405	365		1880	B	1850	67-10-15	1205	111	1350	B	405
67-04-12	0830	2280		8020	B	49400	67-10-15	1305	149	3470	B	1400
67-04-12	1100	4780		16900	B	218000	67-10-15	1405	183	4330	B	2140
67-04-12	1400	5790		14300	B	224000	67-10-15	1650	237	2460	B	1570
67-04-12	1835	7100		12200	B	234000	67-10-16	1000	200	2400	B	1300
67-04-12	2310	7430		9550	B	192000	67-10-30	1125	40	80	B	8.6
67-04-13	0300	7170		8230	B	159000	67-11-01	1410	77	226	B	47
67-04-13	0655	6590		7170	B	128000	67-11-02	1135	65	92	B	16
67-04-13	1350	4670		13700	B	173000	67-11-13	1135	56	30	B	4.5
67-04-13	1725	4150		10900	B	122000	67-12-04	1210	57	253	B	39
67-04-13	2255	3490		8220	B	77500	68-01-02	1355	75	213	B	43
67-04-14	0120	3250		8090	B	71000	68-01-22	1300	131	170	B	60
67-04-14	1220	2540		6730	B	46200	68-01-29	1500	123	255	B	85
67-04-14	1510	2540		6280	B	43100	68-02-05	1550	363	1340	B	1310
67-04-14	1735	2570		7200	B	50000	68-02-06	1110	228	568	B	350
67-04-14	2115	2610		7890	B	55600	68-02-19	1120	103	30	B	8.3
67-04-15	0940	2350		7000	B	44400	68-03-04	1150	109	230	B	68
67-04-15	1750	1890		5510	B	28100	68-03-18	1330	116	316	B	99
67-04-16	1720	927		3550	B	8890	68-03-19	0515	179	2300	B	1110
67-04-17	0925	693		2780	B	5200	68-03-19	0940	457	1990	B	2460

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED

671

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-03-19	1125	618	4830	B	8060	68-05-18	0245	1340	3820	B	13800
68-03-19	1550	647	4100	B	7160	68-05-18	1210	1250	3930	B	13300
68-03-20	1255	208	1410	B	792	68-05-18	2205	1140	3900	B	12000
68-03-23	1500	186	279	B	140	68-05-19	1805	841	3630	B	8240
68-04-01	1410	124	198	B	66	68-05-20	1345	664	3010	B	5400
68-04-07	1830	199	272	B	146	68-05-21	1345	846	2410	B	5500
68-04-08	1250	280	1030	B	779	68-05-22	0900	827	1600	B	3570
68-04-09	0945	259	774	B	541	68-05-23	0505	807	1190	B	2590
68-04-15	1355	122	180	B	59	68-05-24	2105	542	846	B	1240
68-04-19	0055	249	1510	B	1020	68-05-25	0700	776	1260	B	2640
68-04-19	0555	290	1970	B	1540	68-05-25	1630	1680	4380	B	19900
68-04-19	0930	407	2350	B	2580	68-05-25	1745	1710	3440	B	15900
68-04-19	1005	407	2840	B	3120	68-05-26	0700	1120	4980	B	15100
68-04-19	1105	407	4240	B	4660	68-05-26	2105	710	3630	B	6960
68-04-19	1240	384	4220	B	4380	68-05-27	1130	511	2000	B	2760
68-04-19	1635	594	3480	B	5580	68-05-28	1700	371	1160	B	1160
68-04-19	1915	1020	4760	B	13100	68-05-29	2300	287	731	B	566
68-04-19	2350	1040	6350	B	17800	68-05-31	0500	301	692	B	562
68-04-20	0255	854	3940	B	9080	68-05-31	1835	424	4600	B	5270
68-04-20	0600	717	3060	B	5920	68-05-31	1920	724	3940	B	7700
68-04-20	1000	607	3780	B	6200	68-05-31	2115	559	2030	B	3060
68-04-20	1245	547	3700	B	5460	68-05-31	2325	790	4020	B	8570
68-04-20	1855	440	2740	B	3260	68-06-01	0250	1710	4330	B	20000
68-04-21	0250	333	1550	B	1390	68-06-01	0320	2070	5830	B	32600
68-04-21	1245	328	1410	B	1250	68-06-01	0335	2210	6470	B	38600
68-04-21	2050	394	1820	B	1940	68-06-01	0350	2460	8390	B	55700
68-04-22	0150	416	1490	B	1670	68-06-01	0450	3120	11800	B	99400
68-04-22	0350	423	1510	B	1720	68-06-01	0555	3490	13800	B	130000
68-04-22	0655	515	2430	B	3380	68-06-01	0655	3400	11200	B	103000
68-04-22	0900	564	3280	B	4990	68-06-01	0720	3340	10200	B	92000
68-04-22	1100	552	2620	B	3900	68-06-01	0905	2850	6850	B	52700
68-04-22	1620	527	1790	B	2550	68-06-01	1030	2380	5690	B	36600
68-04-22	2200	499	1770	B	2380	68-06-01	1350	1610	4800	B	20900
68-04-23	0355	473	1930	B	2460	68-06-01	1800	1210	4140	B	13500
68-04-23	1425	431	1530	B	1780	68-06-01	2200	1070	3280	B	9480
68-04-23	1955	411	2090	B	2320	68-06-02	0405	1100	2430	B	7220
68-04-24	0350	379	1850	B	1890	68-06-02	0505	1130	2450	B	7470
68-04-24	1355	337	1320	B	1200	68-06-02	0605	1130	2850	B	8700
68-04-24	2300	302	961	B	784	68-06-02	0705	1120	3620	B	10900
68-04-25	1455	268	993	B	719	68-06-02	0800	1100	3770	B	11200
68-04-27	1335	197	560	B	298	68-06-02	0930	1060	3380	B	9670
68-04-29	1255	153	382	B	158	68-06-02	1455	907	2550	B	6240
68-05-06	0955	95	266	B	68	68-06-03	0055	983	3100	B	8230
68-05-07	0220	509	6230	B	8560	68-06-03	0405	1260	3720	B	12700
68-05-07	0320	474	6190	B	7920	68-06-03	0700	1550	4180	B	17500
68-05-07	0420	405	4190	B	4580	68-06-03	1045	1870	5200	B	26300
68-05-07	0520	339	2540	B	2320	68-06-03	1420	2160	6080	B	35500
68-05-07	0620	291	1920	B	1510	68-06-03	1805	2420	7560	B	49400
68-05-07	0905	213	1770	B	1020	68-06-03	2005	2560	8510	B	58800
68-05-07	1025	197	1420	B	755	68-06-04	0005	2770	8150	B	61000
68-05-07	1330	182	1140	B	560	68-06-04	0410	2870	7320	B	56700
68-05-07	1525	194	1530	B	801	68-06-04	1045	3030	6650	B	54400
68-05-07	1725	177	1290	B	616	68-06-04	1440	3100	6680	B	55900
68-05-07	1925	163	1050	B	462	68-06-04	2215	3190	5890	B	50700
68-05-08	0945	125	392	B	132	68-06-05	0410	3220	5480	B	47600
68-05-09	0925	118	373	B	119	68-06-05	1335	3190	5190	B	44700
68-05-09	1420	251	810	B	549	68-06-06	1440	1780	5440	B	26100
68-05-09	1820	351	2200	B	2080	68-06-07	0925	1510	3880	B	15800
68-05-09	2020	460	2430	B	3020	68-06-07	2100	1800	3810	B	18500
68-05-09	2120	475	2060	B	2640	68-06-08	1700	1620	3300	B	14400
68-05-09	2320	478	1960	B	2530	68-06-09	0300	1390	2590	B	9720
68-05-10	0015	468	3340	B	4220	68-06-09	1300	1070	1980	B	5720
68-05-10	0115	462	4750	B	5930	68-06-11	1310	656	1560	B	2760
68-05-10	0215	459	4410	B	5470	68-06-12	1850	605	1750	B	2860
68-05-10	0315	462	3810	B	4750	68-06-13	1450	781	1400	B	2950
68-05-10	0415	466	3360	B	4230	68-06-14	0050	907	1590	B	3890
68-05-10	0615	460	2930	B	3640	68-06-14	1050	953	3090	B	7950
68-05-10	0815	441	2450	B	2920	68-06-14	2045	905	2140	B	5230
68-05-10	1220	445	2290	B	2750	68-06-15	2005	696	2330	B	4380
68-05-11	0415	572	1450	B	2240	68-06-16	0050	1100	3240	B	9620
68-05-11	0515	583	1490	B	2350	68-06-16	0555	1320	4770	B	17000
68-05-11	0615	594	1730	B	2770	68-06-16	0855	1820	7210	B	35400
68-05-11	0715	602	2040	B	3320	68-06-16	0950	1870	7080	B	35700
68-05-11	1210	635	2370	B	4060	68-06-16	1055	1900	6590	B	33800
68-05-11	1340	637	2190	B	3770	68-06-16	1415	1720	5170	B	24000
68-05-12	1200	453	1980	B	2420	68-06-16	1550	1660	5740	B	25700
68-05-13	1020	321	1500	B	1300	68-06-16	1650	1630	6080	B	26800
68-05-15	1205	749	1870	B	3780	68-06-16	1750	1630	5310	B	23400
68-05-15	1935	988	2680	B	7150	68-06-16	1850	1630	4580	B	20200
68-05-15	2135	1030	3270	B	9090	68-06-16	1950	1630	4540	B	20000
68-05-15	2335	1090	2750	B	8090	68-06-16	2050	1640	4750	B	21000
68-05-16	0135	1130	2720	B	8300	68-06-16	2250	1590	3980	B	17100
68-05-16	1335	1640	5100	B	22600	68-06-17	0050	1530	3270	B	13500
68-05-16	1800	1880	5840	B	29600	68-06-17	0250	1460	2960	B	11700
68-05-16	2300	2050	6630	B	36700	68-06-17	0450	1430	3030	B	11700
68-05-17	0350	1970	6810	B	36200	68-06-17	0535	1420	4690	B	18000
68-05-17	1205	1710	5380	B	24800	68-06-17	0650	1390	7940	B	29800
68-05-17	1645	1560	4530	B	19100	68-06-17	0750	1390	9960	B	37400
68-05-17	2145	1440	3990	B	15500	68-06-17	1055	1380	9960	B	37100

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## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED -

			SUSPENDED SEDIMENT			SUSPENDED SEDIMENT						SUSPENDED SEDIMENT			SUSPENDED SEDIMENT		
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)		DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)		DISCHARGE (TONS/DAY)	DATE	#	TIME	
+++++																	
68-06-17	2055	1170		4360	B	13800	68-09-05	1705	669		3760	B	6790	68-09-05	1705	669	
68-06-18	1430	701		4160	B	7870	68-09-05	2110	703		2790	B	5300	68-09-05	2110	703	
68-06-19	1520	491		3750	B	4970	68-09-05	2310	721		3060	R	5960	68-09-05	2310	721	
68-06-21	1430	331		892	B	797	68-09-06	0110	728		4370	B	8590	68-09-06	0110	728	
68-06-23	0830	295		509	B	405	68-09-06	0310	727		4550	B	8930	68-09-06	0310	727	
68-06-24	1250	341		700	B	644	68-09-06	0710	680		4050	B	7440	68-09-06	0710	680	
68-07-01	1920	2120		8520	B	48800	68-09-06	1225	601		2840	B	4610	68-09-06	1225	601	
68-07-01	1950	2440		12200	B	80400	68-09-06	1755	509		2120	B	2910	68-09-06	1755	509	
68-07-01	2145	2920		7200	B	56800	68-09-07	0350	380		2350	R	2410	68-09-07	0350	380	
68-07-01	2310	2840		5800	B	44500	68-09-07	1350	312		2860	R	2410	68-09-07	1350	312	
68-07-02	0650	1150		3310	B	10300	68-09-07	2350	274		2830	R	2090	68-09-07	2350	274	
68-07-02	1215	811		2480	B	5430	68-09-08	0955	259		2000	B	1400	68-09-08	0955	259	
68-07-02	1810	617		1730	B	2880	68-09-09	1030	258		1050	R	731	68-09-09	1030	258	
68-07-02	2310	493		1320	B	1760	68-09-10	1305	220		484	B	287	68-09-10	1305	220	
68-07-03	0410	436		1350	B	1590	68-09-12	1500	149		226	R	91	68-09-12	1500	149	
68-07-03	0935	819		1790	B	3960	68-09-16	1250	121		90	B	29	68-09-16	1250	121	
68-07-03	1350	1420		4580	B	17600	68-09-24	0925	150		377	B	153	68-09-24	0925	150	
68-07-03	2235	1790		7530	B	36400	68-09-24	1425	394		5100	B	5430	68-09-24	1425	394	
68-07-04	0955	1860		6770	B	34000	68-09-24	2055	269		3750	R	2720	68-09-24	2055	269	
68-07-04	1720	1950		6540	B	34400	68-09-25	0905	230		1250	B	776	68-09-25	0905	230	
68-07-05	0930	2610		8890	B	62600	68-09-25	2245	178		748	B	359	68-09-25	2245	178	
68-07-06	0930	2310		5170	B	32200	68-09-26	1340	149		316	B	127	68-09-26	1340	149	
68-07-07	1020	1270		3850	B	13200	68-09-27	0455	143		165	B	64	68-09-27	0455	143	
68-07-08	1050	690		2130	B	3970	68-10-01	1020	130		116	B	41	68-10-01	1020	130	
68-07-09	0955	522		1430	B	2020	68-10-07	1110	92		72	R	18	68-10-07	1110	92	
68-07-10	0600	442		1070	B	1280	68-10-09	0540	381		7900	B	8130	68-10-09	0540	381	
68-07-11	1700	352		576	B	547	68-10-09	0655	346		4570	B	4270	68-10-09	0655	346	
68-07-15	1135	341		531	B	489	68-10-09	0750	438		4050	B	4790	68-10-09	0750	438	
68-07-17	1000	2660		9240	B	66400	68-10-09	0920	969		6290	B	16500	68-10-09	0920	969	
68-07-17	1315	2860		11100	B	85700	68-10-09	1050	1210		9240	B	30200	68-10-09	1050	1210	
68-07-17	1500	3020		8350	B	68100	68-10-09	1150	1120		8800	R	26600	68-10-09	1150	1120	
68-07-18	1220	2440		6570	B	43300	68-10-09	1420	826		5110	B	11400	68-10-09	1420	826	
68-07-19	0850	1660		5440	B	24400	68-10-09	1845	910		4200	B	10300	68-10-09	1845	910	
68-07-22	1130	812		2020	B	4430	68-10-09	2350	514		5450	B	7560	68-10-09	2350	514	
68-07-23	1640	713		1480	B	2850	68-10-10	0445	365		3800	B	3740	68-10-10	0445	365	
68-07-24	2235	607		1010	B	1660	68-10-10	0935	333		3010	B	2710	68-10-10	0935	333	
68-07-25	1340	561		864	B	1310	68-10-10	1350	312		2140	B	1800	68-10-10	1350	312	
68-07-29	1225	285		530	B	408	68-10-10	2350	260		1910	B	1340	68-10-10	2350	260	
68-08-02	0420	240		277	B	179	68-10-11	0925	240		1540	R	998	68-10-11	0925	240	
68-08-12	1320	69		65	B	12	68-10-11	1435	320		2590	B	2240	68-10-11	1435	320	
68-08-16	0955	199		2600	B	1400	68-10-12	0950	1010		4870	B	13300	68-10-12	0950	1010	
68-08-17	2230	176		2470	B	1170	68-10-12	1950	1240		6650	B	22300	68-10-12	1950	1240	
68-08-18	1925	254		1280	B	878	68-10-13	0550	1130		7610	B	23200	68-10-13	0550	1130	
68-08-18	2125	541		2030	B	2970	68-10-13	1000	1020		7190	B	19800	68-10-13	1000	1020	
68-08-18	2325	707		3700	B	7060	68-10-13	1450	881		8050	R	19100	68-10-13	1450	881	
68-08-19	0125	850		4190	B	9620	68-10-14	1030	491		5020	B	6660	68-10-14	1030	491	
68-08-19	0325	942		4020	B	10200	68-10-15	1100	356		3210	B	3090	68-10-15	1100	356	
68-08-19	0525	984		3620	B	9620	68-10-16	1700	257		2000	B	1390	68-10-16	1700	257	
68-08-19	0725	985		3200	B	8510	68-10-17	1300	219		1000	B	591	68-10-17	1300	219	
68-08-19	0925	973		3360	B	8830	68-10-18	1900	179		480	B	232	68-10-18	1900	179	
68-08-19	1125	940		3660	B	9290	68-10-21	1205	238		362	B	233	68-10-21	1205	238	
68-08-19	1325	908		4420	B	10800	68-11-04	1105	119		129	B	41	68-11-04	1105	119	
68-08-19	1500	871		5360	B	12600	68-11-05	1300	243		325	B	213	68-11-05	1300	243	
68-08-19	2000	747		6470	B	13000	68-11-05	1900	256		444	B	307	68-11-05	1900	256	
68-08-20	0120	634		5520	B	9450	68-11-05	2100	255		668	B	460	68-11-05	2100	255	
68-08-20	0610	546		4710	B	6940	68-11-05	2300	248		1150	B	770	68-11-05	2300	248	
68-08-20	1015	491		4500	B	5970	68-11-06	0100	240		767	B	497	68-11-06	0100	240	
68-08-20	1610	500		4070	B	5490	68-11-06	0300	233		682	B	429	68-11-06	0300	233	
68-08-20	2110	819		4980	B	11000	68-11-06	0905	212		455	B	260	68-11-06	0905	212	
68-08-21	0205	1190		5600	B	18000	68-11-07	2300	272		400	B	294	68-11-07	2300	272	
68-08-21	0705	1380		6320	B	23500	68-11-10	1100	167		316	R	142	68-11-10	1100	167	
68-08-21	1250	1400		6100	B	23100	68-11-12	1315	141		140	R	53	68-11-12	1315	141	
68-08-21	2215	1190		6190	B	19900	68-11-15	0410	177		463	R	221	68-11-15	0410	177	
68-08-22	0310	1060		7230	B	20700	68-11-15	0615	228		1330	B	819	68-11-15	0615	228	
68-08-22	0815	930		7300	B	18300	68-11-15	0955	216		900	B	525	68-11-15	0955	216	
68-08-22	1305	832		6190	B	13900	68-11-15	1315	224		543	B	328	68-11-15	1315	224	
68-08-22	2315	663		5370	B	9610	68-11-15	1520	248		630	B	422	68-11-15	1520	248	
68-08-23	1100	531		4570	B	6550	68-11-16	0105	358		1170	B	1130	68-11-16	0105	358	
68-08-24	1635	355		3090	B	2960	68-11-16	1105	374		1140	B	1150	68-11-16	1105	374	
68-08-25	1250	276		1570	B	1170	68-11-16	2015	358		1190	B	1150	68-11-16	2015	358	
68-08-26	1025	211		723	B	412	68-11-17	0615	311		1430	B	1200	68-11-17	0615	311	
68-08-27	1600	169		465	B	212	68-11-17	2115	393		796	B	845	68-11-17	2115	393	
68-08-28	2205	152		298	B	122	68-11-18	0215	437		1220	B	1440	68-11-18	0215	437	
68-09-03	1125	114		136	B	42	68-11-18	1125	520		1610	B	2260	68-11-18	1125	520	
68-09-04	0610	173		978	B	457	68-11-18	1715	574		1920	B	2980	68-11-18	1715	574	
68-09-04	0835	247		3780	B	2520	68-11-19	0315	578		3200	B	4990	68-11-19	0315	578	
68-09-04	1005	232		2630	B	1650	68-11-19	1315	520		2460	R	3450	68-11-19	1315	520	
68-09-04	1235	341		1980	B	1820	68-11-19	1515	508		3430	B	4700	68-11-19	1515	508	
68-09-04	1410	568		2390	B	3670	68-11-20	0015	438		1890	B	2240	68-11-20	0015	438	
68-09-04	1605	662		4230	B	7560	68-11-20	1025	380		1590	B	1630	68-11-20	1025	380	
68-09-04	1705	691		5150	B	9610	68-11-20	2020	343		2170	B	2010	68-11-20	2020	343	
68-09-04	2105	814		5230	B	11500	68-11-21	1115	326		1790	B	1580	68-11-21	1115	326	
68-09-04	2305	877		4510													

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# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	(TONS/DAY)	
68-11-27	1920		476	1220	R	1570	69-04-27	1205	1170	7290	R	23000	69-04-27	1205	1170	7290	R	23000	69-04-27	1205	1170	7290	R	23000
68-11-28	0520		502	935	R	1270	69-04-27	1350	1270	5440	R	18700	69-04-27	1350	1270	5440	R	18700	69-04-27	1350	1270	5440	R	18700
68-11-28	1515		529	1260	R	1800	69-04-27	1450	1300	4530	R	15900	69-04-27	1450	1300	4530	R	15900	69-04-27	1450	1300	4530	R	15900
68-11-29	0115		518	848	R	1190	69-04-27	1550	1290	4600	R	16000	69-04-27	1550	1290	4600	R	16000	69-04-27	1550	1290	4600	R	16000
68-11-29	1350		540	1290	R	1880	69-04-27	1650	1270	5830	R	20000	69-04-27	1650	1270	5830	R	20000	69-04-27	1650	1270	5830	R	20000
68-11-30	0715		571	754	R	1160	69-04-27	1750	1230	5820	R	19300	69-04-27	1750	1230	5820	R	19300	69-04-27	1750	1230	5820	R	19300
68-11-30	1715		607	1210	R	1980	69-04-27	2305	1020	4740	R	13100	69-04-27	2305	1020	4740	R	13100	69-04-27	2305	1020	4740	R	13100
68-12-01	1315		586	1330	R	2100	69-04-28	0400	831	3720	R	8350	69-04-28	0400	831	3720	R	8350	69-04-28	0400	831	3720	R	8350
68-12-02	1140		655	1970	R	3480	69-04-28	1120	672	2150	R	3900	69-04-28	1120	672	2150	R	3900	69-04-28	1120	672	2150	R	3900
68-12-02	2125		585	1500	R	2370	69-04-29	1650	486	1270	R	1670	69-04-29	1650	486	1270	R	1670	69-04-29	1650	486	1270	R	1670
68-12-03	1720		464	1210	R	1520	69-04-30	1300	439	655	R	776	69-04-30	1300	439	655	R	776	69-04-30	1300	439	655	R	776
68-12-04	1325		408	810	R	892	69-05-02	1455	308	490	R	407	69-05-02	1455	308	490	R	407	69-05-02	1455	308	490	R	407
68-12-05	1915		382	562	R	580	69-05-04	0405	542	1180	R	1730	69-05-04	0405	542	1180	R	1730	69-05-04	0405	542	1180	R	1730
68-12-06	1525		353	465	R	443	69-05-04	0605	811	2470	R	5300	69-05-04	0605	811	2470	R	5300	69-05-04	0605	811	2470	R	5300
68-12-07	1125		294	364	R	289	69-05-04	0705	868	3820	R	8950	69-05-04	0705	868	3820	R	8950	69-05-04	0705	868	3820	R	8950
68-12-09	1055		201	175	R	95	69-05-04	0805	871	7250	R	17000	69-05-04	0805	871	7250	R	17000	69-05-04	0805	871	7250	R	17000
68-12-16	1300		149	181	R	73	69-05-04	0900	816	7460	R	16400	69-05-04	0900	816	7460	R	16400	69-05-04	0900	816	7460	R	16400
69-01-06	1145		181	127	R	62	69-05-04	1010	792	5250	R	11200	69-05-04	1010	792	5250	R	11200	69-05-04	1010	792	5250	R	11200
69-01-17	1230		133	72	R	26	69-05-04	1410	936	4400	R	11100	69-05-04	1410	936	4400	R	11100	69-05-04	1410	936	4400	R	11100
69-01-17	1615		376	802	R	814	69-05-04	2010	1060	2890	R	8270	69-05-04	2010	1060	2890	R	8270	69-05-04	2010	1060	2890	R	8270
69-01-17	1815		597	1750	R	2820	69-05-05	0410	1030	3400	R	9460	69-05-05	0410	1030	3400	R	9460	69-05-05	0410	1030	3400	R	9460
69-01-17	2320		813	2280	R	5000	69-05-05	0710	2010	5970	R	32400	69-05-05	0710	2010	5970	R	32400	69-05-05	0710	2010	5970	R	32400
69-01-18	0210		862	2630	R	6120	69-05-05	1105	3820	10200	R	105000	69-05-05	1105	3820	10200	R	105000	69-05-05	1105	3820	10200	R	105000
69-01-18	0615		917	2990	R	7400	69-05-05	1240	4400	12400	R	147000	69-05-05	1240	4400	12400	R	147000	69-05-05	1240	4400	12400	R	147000
69-01-18	1050		941	3140	R	7980	69-05-05	1600	5150	18900	R	263000	69-05-05	1600	5150	18900	R	263000	69-05-05	1600	5150	18900	R	263000
69-01-18	1510		950	2970	R	7620	69-05-05	1845	5440	16100	R	236000	69-05-05	1845	5440	16100	R	236000	69-05-05	1845	5440	16100	R	236000
69-01-18	2015		953	2720	R	7000	69-05-05	2205	5530	10600	R	158000	69-05-05	2205	5530	10600	R	158000	69-05-05	2205	5530	10600	R	158000
69-01-19	0010		957	2240	R	5790	69-05-06	0105	5510	12500	R	186000	69-05-06	0105	5510	12500	R	186000	69-05-06	0105	5510	12500	R	186000
69-01-19	0210		964	2670	R	6950	69-05-06	0600	4860	15300	R	201000	69-05-06	0600	4860	15300	R	201000	69-05-06	0600	4860	15300	R	201000
69-01-19	0515		976	2510	R	6610	69-05-06	1210	3710	14800	R	148000	69-05-06	1210	3710	14800	R	148000	69-05-06	1210	3710	14800	R	148000
69-01-19	1015		995	2430	R	6530	69-05-06	1600	3610	14300	R	139000	69-05-06	1600	3610	14300	R	139000	69-05-06	1600	3610	14300	R	139000
69-01-19	2315		1020	1950	R	5370	69-05-06	2100	5400	19500	R	284000	69-05-06	2100	5400	19500	R	284000	69-05-06	2100	5400	19500	R	284000
69-01-20	1035		882	2130	R	5070	69-05-06	2230	6110	15800	R	261000	69-05-06	2230	6110	15800	R	261000	69-05-06	2230	6110	15800	R	261000
69-01-20	1910		774	1780	R	3720	69-05-07	0200	7120	12300	R	236000	69-05-07	0200	7120	12300	R	236000	69-05-07	0200	7120	12300	R	236000
69-01-21	0515		701	1200	R	2270	69-05-07	0900	9320	9270	R	233000	69-05-07	0900	9320	9270	R	233000	69-05-07	0900	9320	9270	R	233000
69-01-21	1505		638	980	R	1690	69-05-07	1310	8640	6860	R	160000	69-05-07	1310	8640	6860	R	160000	69-05-07	1310	8640	6860	R	160000
69-01-22	1105		484	565	R	738	69-05-08	0040	7180	5930	R	115000	69-05-08	0040	7180	5930	R	115000	69-05-08	0040	7180	5930	R	115000
69-01-23	1705		442	455	R	543	69-05-08	1345	6200	6550	R	110000	69-05-08	1345	6200	6550	R	110000	69-05-08	1345	6200	6550	R	110000
69-01-25	0905		232	198	R	124	69-05-08	2335	5930	7130	R	114000	69-05-08	2335	5930	7130	R	114000	69-05-08	2335	5930	7130	R	114000
69-01-27	1325		191	106	R	55	69-05-09	0835	5810	7060	R	111000	69-05-09	0835	5810	7060	R	111000	69-05-09	0835	5810	7060	R	111000
69-01-29	0915		259	554	R	387	69-05-10	0845	5660	6660	R	102000	69-05-10	0845	5660	6660	R	102000	69-05-10	0845	5660	6660	R	102000
69-01-29	1115		737	5580	R	11100	69-05-11	0405	5490	6620	R	98100	69-05-11	0405	5490	6620	R	98100	69-05-11	0405	5490	6620	R	98100
69-01-29	1215		773	5790	R	12100	69-05-11	1205	5470	10100	R	149000	69-05-11	1205	5470	10100	R	149000	69-05-11	1205	5470	10100	R	149000
69-01-29	1315		718	4110	R	7970	69-05-11	1405	5460	8780	R	129000	69-05-11	1405	5460	8780	R	129000	69-05-11	1405	5460	8780	R	129000
69-01-29	1415		673	3120	R	5670	69-05-11	1910	5370	6380	R	92500	69-05-11	1910	5370	6380	R	92500	69-05-11	1910	5370	6380	R	92500
69-01-29	1815		568	2540	R	3900	69-05-12	0005	4990	7580	R	102000	69-05-12	0005	4990	7580	R	102000	69-05-12	0005	4990	7580	R	102000
69-01-29	2315		476	941	R	1210	69-05-12	1320	3250	7150	R	62700	69-05-12	1320	3250	7150	R	62700	69-05-12	1320	3250	7150	R	62700
69-01-30	0115		479	851	R	1100	69-05-12	2315	2640	6500	R	46300	69-05-12	2315	2640	6500	R	46300	69-05-12	2315	2640	6500	R	46300
69-01-30	0515		433	1880	R	2200	69-05-13	0915	2320	4500	R	28200	69-05-13	0915	2320	4500	R	28200	69-05-13	0915	2320	4500	R	28200
69-01-30	1115		322	1260	R	1100	69-05-13	1415	2340	4740	R	29900	69-05-13	1415	2340	4740	R	29900	69-05-13	1415	2340	4740	R	29900
69-01-30	1715		264	812	R	579	69-05-14	0515	2880	7100	R	55200	69-05-14	0515	2880	7100	R	55200	69-05-14	0515	2880	7100	R	55200
69-01-30	2315		244	463	R	305	69-05-14	1305	3310	9890	R	88400	69-05-14	1305	3310	9890	R	88400	69-05-14	1305	3310	9890	R	88400
69-02-03	1100		171	90	R	42	69-05-14	2215	3680	10300	R	102000	69-05-14	2215	3680	10300	R	102000	69-05-14	2215	3680	10300	R	102000
69-02-14	1105		165																					

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 R = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07328100 WASHITA RIVER AT ALFX, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-06-15	1845	1400	7550	R	28500	70-04-24	1400	345	733	R	683
69-06-15	2250	1320	6200	R	22100	70-04-27	1245	218	445	R	262
69-06-16	1125	1420	4400	B	16900	70-04-30	0735	200	700	R	378
69-06-16	2050	1730	5280	B	24700	70-04-30	1005	505	2740	R	3740
69-06-17	0150	1850	6190	B	30900	70-04-30	1015	675	4160	R	7580
69-06-17	1010	1910	6400	R	33000	70-04-30	1140	2000	14500	R	78300
69-06-17	1945	1780	4950	R	23800	70-04-30	1305	3100	16700	R	140000
69-06-18	0920	1370	3870	R	14300	70-04-30	1535	3840	13300	R	138000
69-06-19	0945	944	3100	R	7900	70-04-30	2145	3980	9470	R	102000
69-06-20	1030	778	2030	R	4260	70-05-01	0145	3170	7720	R	66100
69-06-21	0550	679	1300	R	2380	70-05-01	1005	1380	5180	R	19300
69-06-23	1135	434	770	R	902	70-05-01	1745	814	3940	R	8660
69-07-07	1250	160	188	R	81	70-05-02	0950	564	1870	R	2850
69-07-21	1150	656	7320	R	13000	70-05-03	0545	848	1940	R	4440
69-07-21	1630	426	4980	R	5730	70-05-04	1130	625	3150	R	5320
69-07-22	1405	162	621	R	272	70-05-05	1150	401	2600	R	2820
69-08-04	1230	185	431	R	215	70-05-06	1245	313	1390	R	1170
69-08-18	1315	53	46	R	6.6	70-05-07	1345	255	521	R	359
69-08-30	1045	1010	3710	R	10100	70-05-11	1230	170	226	R	104
69-08-31	1005	1310	5480	R	19400	70-05-15	0805	566	2150	R	3290
69-09-02	0725	723	3750	R	7320	70-05-15	1000	1170	6580	R	20800
69-09-02	1200	697	2750	R	5180	70-05-15	1320	1420	8440	R	32400
69-09-03	1445	659	2040	R	3630	70-05-16	0950	437	2710	R	3200
69-09-04	1010	566	1910	R	2920	70-05-16	1900	335	2090	R	1890
69-09-05	1615	533	1500	R	2160	70-05-17	1300	246	722	R	480
69-09-06	1110	431	1200	R	1400	70-05-18	1305	200	362	R	195
69-09-07	1710	344	905	R	841	70-05-25	1740	110	117	R	35
69-09-08	1335	302	665	R	542	70-05-29	1120	474	3260	R	4170
69-09-15	1315	183	267	R	132	70-05-29	1220	2180	10500	R	61800
69-09-16	0720	257	1900	R	1320	70-05-29	1320	3160	17600	R	150000
69-09-16	0915	265	2090	R	1500	70-05-29	1425	3650	14100	R	139000
69-09-16	1145	257	1300	R	902	70-05-29	1825	4990	11800	R	159000
69-09-16	1315	279	831	R	626	70-05-30	0025	5600	10500	R	159000
69-09-16	1715	598	1980	R	3200	70-05-30	0420	4730	7640	R	97600
69-09-16	2120	559	3800	R	5740	70-05-30	1035	2310	5410	R	33700
69-09-17	0215	548	2980	R	4410	70-06-01	1040	1420	6530	R	25000
69-09-17	0925	489	1620	R	2140	70-06-02	1445	969	5630	R	14700
69-09-17	1315	479	1800	R	2330	70-06-03	0035	731	4480	R	8840
69-09-17	1515	474	3210	R	4110	70-06-03	1125	579	3340	R	5220
69-09-17	1715	463	5110	R	6390	70-06-04	0735	640	2350	R	4060
69-09-17	1915	445	4060	R	4880	70-06-05	0740	586	1940	R	3070
69-09-17	2320	397	2570	R	2750	70-06-06	1540	327	1610	R	1420
69-09-18	0515	350	1310	R	1240	70-06-07	1140	249	988	R	664
69-09-18	1315	306	2130	R	1760	70-06-08	1320	202	470	R	256
69-09-18	1715	290	2910	R	2280	70-06-12	0935	627	3210	R	5430
69-09-18	1915	283	2910	R	2220	70-06-12	1135	1230	4210	R	14000
69-09-18	2115	274	2570	R	1900	70-06-12	1345	1420	6510	R	25000
69-09-19	0515	246	1540	R	1020	70-06-12	1545	1300	7970	R	28000
69-09-19	1715	213	567	R	326	70-06-12	1745	1200	6000	R	19400
69-09-20	1220	347	753	R	705	70-06-12	1945	1070	4480	R	12900
69-09-21	1220	500	850	R	1150	70-06-12	2345	818	3420	R	7550
69-09-21	2000	543	1070	R	1570	70-06-13	0545	588	2480	R	3940
69-09-21	2220	835	2960	R	6670	70-06-13	1445	420	2300	R	2610
69-09-22	0015	1050	4740	R	13400	70-06-14	0545	292	1350	R	1060
69-09-22	0215	976	3450	R	9090	70-06-14	1540	234	926	R	585
69-09-22	0620	866	2460	R	5750	70-06-15	1215	198	392	R	210
69-09-22	0820	1040	3660	R	10300	70-06-27	1325	110	233	R	69
69-09-22	1145	852	5300	R	12200	70-07-09	1035	18	114	R	5.5
69-09-22	1425	678	3880	R	7100	70-08-03	1230	2.0	112	R	0.60
69-09-22	2225	490	2250	R	2980	70-08-20	1240	33	145	R	13
69-09-23	0620	487	2690	R	3540	70-08-24	1250	374	1170	R	1180
69-09-23	1020	920	2910	R	7230	70-08-24	1835	334	1800	R	1620
69-09-23	1240	1050	5280	R	15000	70-08-25	0230	284	2730	R	2090
69-09-23	1430	1050	5600	R	15900	70-08-25	0820	258	2390	R	1660
69-09-23	1630	987	4360	R	11600	70-08-25	1305	242	1440	R	941
69-09-23	1830	887	3570	R	8550	70-08-25	1935	233	977	R	615
69-09-23	2030	792	3170	R	6780	70-08-26	1635	421	1160	R	1320
69-09-23	2230	712	2880	R	5540	70-08-28	1125	247	1730	R	1150
69-09-24	1135	441	2540	R	3020	70-08-29	0330	155	837	R	350
69-09-24	2130	398	1400	R	1500	70-08-31	1205	58	217	R	34
69-09-25	1215	359	890	R	863	70-09-08	1220	27	69	R	5.0
69-09-26	0725	296	457	R	365	70-09-21	1330	21	35	R	2.0
69-09-27	1330	236	251	R	160	70-09-22	1525	479	10700	R	13800
69-09-29	1315	208	253	R	142	70-09-22	1610	982	6020	R	16000
69-10-13	1255	135	123	R	45	70-09-27	1815	3260	9060	R	79700
69-10-28	1215	122	86	R	28	70-09-22	1950	4230	7580	R	86600
69-11-10	1445	123	131	R	44	70-09-23	0110	5420	7080	R	104000
69-11-24	1435	119	110	R	35	70-09-23	0610	4620	7650	R	95400
69-12-08	1300	131	80	R	28	70-09-23	1030	2860	5760	R	44500
69-12-31	1600	124	104	R	35	70-09-23	1425	1740	4840	R	22700
70-02-09	1345	125	94	R	32	70-09-23	1820	1080	2980	R	8690
70-02-18	1220	129	184	R	64	70-09-24	0215	620	2130	R	3570
70-03-02	1520	144	258	R	100	70-09-24	1745	456	1670	R	2060
70-03-19	1330	162	93	R	41	70-09-25	1025	269	880	R	639
70-03-30	1350	160	110	R	48	70-09-26	1220	160	400	R	173
70-04-13	1410	145	130	R	51	70-09-28	1215	160	236	R	102
70-04-20	1215	233	772	R	486	70-10-05	1005	77	215	R	45
70-04-21	1430	443	1820	R	2180	70-10-05	1445	177	1270	R	607
70-04-22	1035	369	1220	R	1220	70-10-05	1645	181	1660	R	911

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07328100 WASHITA RIVER AT ALFX, OKLA.--CONTINUED

675

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	SEDIMENT (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	SEDIMENT (TONS/DAY)	
70-10-05	1845	167		1100	B	496	71-06-12	1200	677	3520	R	6430
70-10-05	2245	134		289	B	105	71-06-12	1250	716	2890	R	5590
70-10-06	0920	231		441	R	275	71-06-12	1455	724	2660	R	5200
70-10-06	1440	193		898	B	468	71-06-12	1655	681	3020	R	5550
70-10-06	1840	279		1410	R	1060	71-06-12	1755	659	3350	R	5960
70-10-06	2245	315		1300	R	1110	71-06-12	1855	632	3140	R	5360
70-10-07	0235	295		712	R	567	71-06-13	0450	507	2170	R	2970
70-10-07	0855	248		1230	R	824	71-06-13	1955	459	1570	R	1950
70-10-07	1345	204		3590	R	1980	71-06-14	1245	398	900	R	967
70-10-07	1545	186		3920	R	1970	71-06-21	1155	139	1460	R	548
70-10-07	2015	152		2880	R	1180	71-06-21	2310	582	2460	R	3870
70-10-08	0140	158		1940	R	828	71-06-22	0005	717	3560	R	6890
70-10-08	0640	157		1930	R	818	71-06-22	0100	833	3620	R	5140
70-10-08	0850	535		8650	R	12500	71-06-22	0205	862	3380	R	7870
70-10-08	1110	693		6080	B	11400	71-06-22	0405	843	4490	R	10200
70-10-08	1220	588		4200	R	6670	71-06-22	0605	753	5170	R	10500
70-10-08	1420	415		2330	R	2610	71-06-22	0705	711	5080	R	9750
70-10-08	1645	299		1580	R	1280	71-06-22	0945	602	4280	R	6960
70-10-08	2045	221		869	R	519	71-06-22	1405	451	3440	R	4190
70-10-09	0955	233		1250	R	786	71-06-28	1245	40	95	R	10
70-10-12	1325	68		180	R	33	71-07-04	1220	639	2420	R	4180
70-10-23	0205	168		3310	R	1500	71-07-04	1625	833	3690	R	8300
70-10-23	0410	169		3090	R	1410	71-07-04	2125	874	5540	R	13100
70-10-23	0610	152		1650	R	677	71-07-05	0315	771	5140	R	10700
70-10-23	0855	145		748	R	293	71-07-05	0750	685	4910	R	9080
70-10-23	1205	147		460	R	183	71-07-05	1230	589	4760	R	7570
70-10-26	1250	64		92	R	16	71-07-05	1730	509	3820	R	5250
70-11-03	1520	46		84	R	10	71-07-05	2230	479	3380	R	4370
70-11-23	1345	51		72	R	9.9	71-07-06	1410	709	3420	R	6550
70-12-07	1345	57		90	R	14	71-07-07	0945	410	2680	R	2970
70-12-21	1330	65		74	R	13	71-07-08	1440	173	2240	R	1050
71-01-06	1535	60		71	R	12	71-07-12	1255	58	168	R	26
71-01-18	1315	83		111	R	25	71-07-23	0955	5.3	100	R	1.4
71-02-01	1410	71		60	R	12	71-07-28	1230	71	655	R	126
71-02-16	1430	74		102	R	20	71-08-02	1240	63	141	R	24
71-03-01	1345	92		61	R	15	71-08-09	1355	147	490	R	194
71-03-15	1335	75		95	R	19	71-08-14	0545	403	5730	R	6230
71-03-29	1430	51		110	R	15	71-08-14	1045	497	5520	R	7410
71-04-12	1405	21		168	R	9.5	71-08-14	1145	449	3770	R	4570
71-05-03	1000	16		195	R	8.4	71-08-14	1340	383	2260	R	2340
71-05-17	1320	4.9		108	R	1.4	71-08-14	1540	469	2050	R	2600
71-05-27	1000	8.9		304	R	7.3	71-08-14	1840	719	3590	R	6970
71-05-28	0840	252		3080	R	2100	71-08-14	1940	797	5230	R	11300
71-05-28	1005	238		2900	R	1860	71-08-14	2045	840	7610	R	17300
71-05-28	1505	187		2010	R	1010	71-08-14	2245	779	5810	R	12200
71-06-01	0355	188		2590	R	1310	71-08-15	0340	645	4140	R	7210
71-06-01	0525	738		4670	R	9310	71-08-15	0925	411	2740	R	3040
71-06-01	0725	1280		7470	R	25800	71-08-16	1235	315	1430	R	1220
71-06-01	1125	1890		8850	R	45200	71-08-23	1225	52	165	R	23
71-06-01	1505	1650		7250	R	32300	71-09-02	1225	184	480	R	238
71-06-02	0120	1140		5850	R	18000	71-09-07	1300	35	74	R	7.0
71-06-02	1010	741		3130	R	6260	71-09-09	1500	227	1010	R	619
71-06-02	2225	441		2000	R	2380	71-09-10	1305	221	1410	R	841
71-06-03	0225	586		3120	R	4940	71-09-18	0610	140	551	R	208
71-06-03	0630	933		6120	R	15400	71-09-18	0945	543	2320	R	3400
71-06-03	0920	190		4810	R	2470	71-09-18	1045	850	3010	R	6910
71-06-03	1030	1470		5670	R	22500	71-09-18	1145	1040	5880	R	16500
71-06-03	1400	2770		9250	R	69200	71-09-18	1420	1140	5010	R	15400
71-06-03	1530	3030		9160	R	74900	71-09-18	1945	689	2870	R	5340
71-06-03	1725	3090		8960	R	74800	71-09-19	0140	425	2020	R	2320
71-06-03	2330	2950		6750	R	53800	71-09-19	0335	379	3300	R	3380
71-06-04	0120	2660		6250	R	44900	71-09-19	0545	327	3070	R	2710
71-06-04	0335	2260		5890	R	35900	71-09-19	0745	286	2140	R	1650
71-06-04	0530	1860		6950	R	34900	71-09-20	1345	103	548	R	152
71-06-04	0730	1520		4990	R	20500	71-09-21	0700	330	916	R	816
71-06-04	1020	1140		4910	R	15100	71-09-21	1300	612	1610	R	2660
71-06-04	1425	797		3620	R	7790	71-09-21	1855	762	3000	R	6170
71-06-04	1925	638		2350	R	4050	71-09-21	2100	806	4250	R	9250
71-06-05	0525	488		1530	R	2020	71-09-22	1250	860	5070	R	11800
71-06-05	2025	295		861	R	686	71-09-22	1800	791	5470	R	11700
71-06-06	1125	203		454	R	249	71-09-22	2310	692	4020	R	7510
71-06-07	1245	113		198	R	60	71-09-23	1920	378	3080	R	3140
71-06-08	0815	145		326	R	128	71-09-24	1020	289	2520	R	1970
71-06-08	0915	1310		5200	R	18400	71-09-24	1705	475	2790	R	3580
71-06-08	1005	1710		13800	R	63700	71-09-24	1835	805	4970	R	10800
71-06-08	1030	1830		15700	R	77600	71-09-24	2315	1980	7060	R	37700
71-06-08	1140	2010		11200	R	60800	71-09-25	0210	2200	9710	R	57700
71-06-08	1235	2090		8760	R	49400	71-09-25	0725	1790	4540	R	21900
71-06-08	1335	2140		6900	R	39900	71-09-25	1010	1400	6510	R	24600
71-06-08	1455	2160		5470	R	31900	71-09-25	1310	1100	5480	R	16300
71-06-08	1635	2150		6730	R	39100	71-09-25	1905	825	4600	R	10200
71-06-08	2040	1880		6250	R	31700	71-09-26	0510	563	3260	R	4960
71-06-09	0040	1300		5170	R	18100	71-09-27	1340	1030	3120	R	8680
71-06-09	0435	870		3930	R	9230	71-09-27	1510	1080	2910	R	8490
71-06-09	1015	539		2970	R	4320	71-09-27	1710	1150	4030	R	12500
71-06-09	1340	450		2680	R	3260	71-09-28	1230	1300	4900	R	17200
71-06-09	2055	336		2040	R	1850	71-09-29	1520	732	3050	R	6030
71-06-10	1325	297		1320	R	1060	71-09-30	1140	470	2170	R	2750
71-06-12	0805	513		2630	R	3640	71-10-01	1235	334	1440	R	1300

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

RED RIVER BASIN  
07328100 WASHITA RIVER AT ALEX, OKLA. - CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
71-10-02	1815	209		948	R 535	72-04-30	0205	311		3060	R 2570
71-10-02	2045	229		1410	R 872	72-04-30	0405	404		4340	R 4730
71-10-03	0015	996		6920	R 18600	72-04-30	0505	415		3570	R 4000
71-10-03	0100	1730		8910	R 41600	72-04-30	0700	572		3230	R 4990
71-10-03	0215	3600		13900	R 135000	72-04-30	0900	697		3340	R 6290
71-10-03	0320	4580		15700	R 194000	72-04-30	1205	1060		5060	R 14500
71-10-03	0420	5230		13900	R 196000	72-04-30	1420	1370		6210	R 23000
71-10-03	0520	5690		12100	R 186000	72-04-30	1605	1340		6580	R 23800
71-10-03	0940	7240		8200	R 160000	72-04-30	1805	1250		5830	R 19700
71-10-03	1420	7970		5770	R 124000	72-04-30	2710	1080		4130	R 12000
71-10-03	1825	6680		4930	R 88900	72-05-01	0400	1000		3270	R 8830
71-10-04	0220	2210		4840	R 28900	72-05-01	1000	917		3560	R 8810
71-10-04	0830	1350		4220	R 15400	72-05-01	1255	841		4820	R 10900
71-10-04	1145	1150		3300	R 10200	72-05-02	1205	617		3340	R 5560
71-10-04	1630	937		2600	R 6580	72-05-03	0605	708		2780	R 5310
71-10-04	2130	788		1950	R 4150	72-05-03	0805	753		3190	R 6490
71-10-05	1105	620		1450	R 2430	72-05-03	1205	834		4170	R 2390
71-10-05	1330	737		1710	R 3400	72-05-03	1505	889		5100	R 12700
71-10-05	1925	1070		3800	R 11000	72-05-03	2710	869		3690	R 8660
71-10-05	2130	1130		6080	R 18600	72-05-04	1300	617		3080	R 5130
71-10-06	0125	1160		3540	R 11100	72-05-05	1155	359		2220	R 2150
71-10-06	0325	1160		2220	R 6950	72-05-06	1705	256		1380	R 954
71-10-06	0525	1130		2410	R 7350	72-05-07	1305	225		825	R 501
71-10-06	1030	996		4480	R 12000	72-05-08	1235	189		612	R 312
71-10-06	2025	696		5430	R 10200	72-05-12	0555	710		978	R 555
71-10-07	0625	529		4710	R 6730	72-05-12	0830	259		2410	R 1690
71-10-07	2130	408		3480	R 3830	72-05-12	1225	419		1830	R 2070
71-10-08	1255	331		2370	R 2120	72-05-12	1410	987		4280	R 11400
71-10-09	1915	246		2050	R 1360	72-05-12	1625	1300		6650	R 23300
71-10-10	0515	229		1940	R 1200	72-05-12	1825	1270		6080	R 20800
71-10-12	1150	170		254	R 117	72-05-12	2030	1080		4650	R 13600
71-10-19	1135	113		164	R 50	72-05-13	0840	500		2490	R 3360
71-10-26	1205	123		103	R 34	72-05-14	0405	303		1480	R 1210
71-11-01	1115	624		2250	R 3790	72-05-15	1225	222		420	R 252
71-11-01	1515	1020		2840	R 7820	72-05-15	1820	477		1120	R 1440
71-11-02	1215	1680		7030	R 31900	72-05-16	0945	986		2490	R 6630
71-11-02	1750	1510		5360	R 21900	72-05-16	2125	953		3760	R 9670
71-11-03	0245	1150		3970	R 12300	72-05-17	1455	638		2420	R 5890
71-11-03	1050	887		3900	R 9340	72-05-18	0955	437		3650	R 3090
71-11-04	0140	599		3100	R 5010	72-05-19	1520	262		1980	R 1400
71-11-04	1340	481		2570	R 3340	72-05-20	1115	250		1090	R 736
71-11-05	1845	328		1820	R 1610	72-05-22	1225	192		470	R 244
71-11-07	1040	265		1140	R 816	72-05-30	1125	219		994	R 588
71-11-08	1250	229		860	R 532	72-06-01	0605	202		228	R 124
71-11-15	1315	133		113	R 41	72-06-01	1405	283		755	R 577
71-11-22	1220	112		57	R 17	72-06-02	0805	322		845	R 735
71-12-06	1245	139		112	R 42	72-06-02	1505	283		1660	R 1270
71-12-14	2130	1020		7790	R 21500	72-06-03	0105	241		1580	R 1030
71-12-14	2230	990		6730	R 18000	72-06-03	1600	189		1100	R 561
71-12-15	0030	769		3740	R 7770	72-06-05	1225	113		266	R 81
71-12-15	0430	542		2020	R 2960	72-06-16	1850	156		386	R 163
71-12-15	0735	751		1930	R 3910	72-06-16	2255	135		1220	R 445
71-12-15	1135	904		4790	R 11700	72-06-17	0445	180		616	R 299
71-12-15	1730	753		3050	R 6200	72-06-17	1145	628		1930	R 3270
71-12-16	0925	589		1980	R 3150	72-06-17	1545	799		2460	R 5310
71-12-16	1425	502		2780	R 3770	72-06-17	1950	874		4200	R 9910
71-12-17	0015	374		1590	R 1610	72-06-17	2245	900		3350	R 8140
71-12-17	1020	309		798	R 666	72-06-18	0045	901		3890	R 9460
71-12-17	1730	407		763	R 838	72-06-18	0245	897		4590	R 11100
71-12-17	2030	638		1130	R 1950	72-06-18	0445	871		4070	R 9570
71-12-18	1705	1180		5300	R 16900	72-06-18	0850	801		3230	R 6990
71-12-19	1420	772		3420	R 7130	72-06-18	2250	593		3800	R 6080
71-12-20	1300	525		2280	R 3230	72-06-19	1230	468		3570	R 4510
71-12-22	0925	337		1010	R 919	72-06-20	0925	317		2830	R 2420
71-12-27	1250	186		309	R 155	72-06-21	0450	243		1760	R 1150
72-01-03	1320	159		133	R 57	72-06-23	1545	129		396	R 138
72-01-10	1220	145		165	R 65	72-06-26	1215	83		144	R 32
72-01-24	1100	140		126	R 48	72-07-02	2135	128		1150	R 397
72-02-07	1135	121		125	R 41	72-07-02	2330	126		4240	R 1440
72-02-22	1120	115		123	R 38	72-07-03	1135	95		2050	R 526
72-03-06	1300	99		110	R 29	72-07-10	1210	75		150	R 30
72-03-20	1230	78		169	R 36	72-07-24	1230	12		94	R 3.0
72-04-03	1305	66		130	R 23	72-08-14	1210	6.5		50	R 0.68
72-04-17	1325	70		164	R 31	72-09-05	1150	21		145	R 8.2
72-04-20	0420	294		3360	R 2670	72-09-07	0340	218		527	R 310
72-04-20	1020	216		3230	R 1880	72-09-07	0840	239		1070	R 690
72-04-20	1510	181		1430	R 699	72-09-07	2040	206		760	R 423
72-04-21	1015	171		980	R 452	72-09-08	0640	155		1120	R 469
72-04-24	1235	60		252	R 41	72-09-08	1350	122		1690	R 557
72-04-27	0355	151		2800	R 1140	72-09-08	2045	98		1280	R 339
72-04-27	0910	204		3210	R 1770	72-09-09	1240	78		711	R 150
72-04-27	1010	824		4930	R 11000	72-09-13	2030	122		434	R 143
72-04-27	1035	999		9300	R 25100	72-09-14	0230	157		635	R 269
72-04-27	1155	1670		10200	R 46000	72-09-14	0915	143		580	R 224
72-04-27	1550	1550		10600	R 44400	72-09-15	1000	76		181	R 37
72-04-27	2210	590		5280	R 6410	72-09-18	1155	25		40	R 2.7
72-04-28	1025	251		2480	R 1680	72-10-02	1140	11		60	R 1.8
72-04-28	2115	224		1290	R 780	72-10-16	1220	5.5		70	R 1.0
72-04-29	0705	212		796	R 456	72-10-22	1500	311		1720	R 1440

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
72-10-22	1750	287	1130	B	876	73-02-04	1735	276	443	R	330
72-10-23	0345	165	739	B	329	73-02-05	1300	251	450	R	305
72-10-23	1745	76	443	B	91	73-02-20	1200	177	96	R	46
72-10-24	1055	57	222	R	34	73-03-02	1300	198	110	R	59
72-10-30	1250	42	124	B	14	73-03-06	1145	506	647	R	884
72-10-30	1505	140	2480	B	937	73-03-06	1245	781	1460	B	3080
72-10-30	1545	937	6100	B	15400	73-03-06	1345	1020	2970	R	8180
72-10-30	1645	2220	7440	B	44600	73-03-06	1445	1170	6090	R	19200
72-10-30	1745	2700	5800	B	42300	73-03-06	1545	1200	7710	R	25000
72-10-30	1845	2970	5770	B	46300	73-03-06	1645	1190	11500	R	36900
72-10-30	1945	2930	4890	B	38700	73-03-06	1745	1150	9850	R	30600
72-10-30	2045	2970	4290	B	34400	73-03-06	1845	1110	9340	R	28000
72-10-30	2245	3560	6410	B	61600	73-03-06	1945	994	9930	R	26700
72-10-30	2340	4000	7150	B	77200	73-03-06	2045	926	10000	R	25000
72-10-31	0040	4100	7580	B	83900	73-03-06	2145	876	9110	R	21500
72-10-31	0140	4100	6530	B	72300	73-03-06	2245	829	7560	B	16900
72-10-31	0240	4000	5870	R	63400	73-03-06	2345	783	6460	R	13700
72-10-31	0440	3530	4630	B	44100	73-03-07	0245	707	4290	R	8190
72-10-31	0640	2900	3970	B	31100	73-03-07	1100	616	2690	R	4470
72-10-31	0940	2090	3290	B	18600	73-03-07	2045	524	1630	R	2310
72-10-31	1055	2100	3840	R	21800	73-03-08	0145	482	3940	R	5130
72-10-31	1435	2940	3850	R	30600	73-03-08	0645	429	2340	R	2710
72-10-31	1555	3400	5760	B	52900	73-03-08	1520	354	1000	R	956
72-10-31	1835	4170	5700	B	64200	73-03-09	1845	330	879	R	783
72-10-31	2035	4440	6440	B	77200	73-03-10	0945	621	1730	R	2900
72-10-31	2330	4600	5640	B	70000	73-03-10	1445	1140	2750	R	8460
72-11-01	0430	4380	3960	B	46800	73-03-10	1945	1940	6350	R	33300
72-11-01	0730	3900	3310	B	34900	73-03-11	0045	2480	7530	R	50400
72-11-01	1640	1960	2660	B	14100	73-03-11	1055	1950	6720	R	35400
72-11-02	1150	648	1420	B	2480	73-03-11	2030	1710	4410	B	20400
72-11-03	1020	499	755	B	1020	73-03-12	0145	1740	5420	B	25500
72-11-03	1430	572	672	B	1040	73-03-12	1020	1810	6480	B	31700
72-11-04	0030	697	959	R	1800	73-03-12	1735	1920	5240	R	27200
72-11-04	0530	724	1880	B	3680	73-03-13	0920	2390	6960	R	44900
72-11-04	1520	752	2230	B	4530	73-03-13	2130	2820	7740	B	58900
72-11-04	2030	742	3250	R	6510	73-03-14	0935	2690	6270	R	45500
72-11-05	0630	640	2540	R	4390	73-03-15	1010	1170	3650	R	11500
72-11-05	2125	439	2190	R	2600	73-03-16	1005	782	3240	R	6840
72-11-06	1310	304	1660	R	1360	73-03-17	1200	633	2000	R	3420
72-11-12	2220	285	2090	B	1610	73-03-18	1640	517	1100	R	1540
72-11-13	0020	504	3450	B	4690	73-03-19	1330	451	1060	R	1290
72-11-13	0120	502	3570	R	4840	73-03-20	1850	394	813	B	865
72-11-13	0320	422	2000	R	2280	73-03-22	1100	367	596	R	591
72-11-13	0520	349	2040	B	1920	73-03-23	0700	296	475	R	380
72-11-13	0720	354	1540	B	1470	73-03-23	2025	360	1000	R	972
72-11-13	1120	706	3140	B	5990	73-03-23	2320	810	4970	R	10900
72-11-13	1325	803	3520	B	7630	73-03-24	0030	947	6090	R	15600
72-11-13	1530	780	3960	B	8340	73-03-24	0115	1000	6030	R	16300
72-11-13	1930	633	2850	B	4870	73-03-24	0215	1060	5280	R	15100
72-11-13	2330	489	2040	B	2690	73-03-24	0515	1540	4340	R	18000
72-11-14	1035	261	1540	R	1090	73-03-24	0615	1760	6790	R	32300
72-11-14	2030	194	1020	B	534	73-03-24	0715	1970	7860	R	41800
72-11-15	1100	148	545	B	218	73-03-24	1020	2540	7990	R	54800
72-11-27	1320	112	60	R	18	73-03-24	1230	2920	7710	R	60800
72-12-18	1310	91	65	R	16	73-03-24	1330	2960	6960	R	55600
73-01-02	1215	96	86	B	22	73-03-24	1630	2930	5160	R	40800
73-01-17	0945	201	295	B	160	73-03-24	1830	2790	6240	R	47000
73-01-21	0630	663	3240	B	5800	73-03-24	2025	2610	6980	R	49200
73-01-21	0730	671	4290	R	7770	73-03-24	2320	2490	4630	B	31100
73-01-21	0930	665	3450	B	6190	73-03-25	0315	3090	4810	B	40100
73-01-21	1230	654	1940	R	3430	73-03-25	0620	3410	6750	R	62100
73-01-21	1630	606	1920	B	3140	73-03-25	0925	3400	5650	R	51900
73-01-21	1930	557	2800	R	4210	73-03-25	1235	3170	4440	R	38000
73-01-21	2230	525	1600	B	2270	73-03-25	1820	2540	3650	R	25000
73-01-22	0530	543	1350	B	1980	73-03-26	0210	1700	2550	R	11700
73-01-22	1130	655	2360	B	4170	73-03-26	1320	1130	2900	R	8850
73-01-22	1415	635	2070	R	3550	73-03-27	1245	818	1220	R	2690
73-01-22	2130	486	2560	R	3360	73-03-28	1115	625	990	R	1670
73-01-23	0125	410	2350	R	2600	73-03-30	1020	581	776	R	1220
73-01-23	0525	354	3270	B	3130	73-03-31	0405	638	598	R	1030
73-01-23	1250	302	3710	R	3030	73-03-31	0810	712	664	R	1280
73-01-23	2120	754	1770	R	3600	73-03-31	1215	1140	1640	R	5170
73-01-24	0315	1060	3170	R	9070	73-03-31	1545	1430	3560	R	13700
73-01-24	0915	1270	6090	R	20900	73-03-31	2105	1750	4660	R	22000
73-01-24	1325	1420	7510	R	28800	73-04-01	0100	2010	2040	R	11100
73-01-24	1715	1530	6940	R	28700	73-04-01	0705	2520	5830	R	39700
73-01-25	1225	1910	6970	B	35900	73-04-01	1355	3000	8390	R	68000
73-01-26	0155	1550	4750	B	19900	73-04-01	1800	3220	7030	R	61100
73-01-26	1145	1210	3590	R	11700	73-04-02	1445	3760	6510	R	66100
73-01-26	2140	1100	2990	B	8880	73-04-03	1230	4150	6950	R	77900
73-01-27	0230	1030	2900	R	8060	73-04-04	1350	4290	5440	R	30000
73-01-28	0830	652	2010	B	3540	73-04-05	1145	2950	4890	R	38900
73-01-29	1210	621	1860	B	3120	73-04-06	1105	2230	4900	R	29500
73-01-30	1730	517	1230	R	1720	73-04-07	0600	1780	3100	R	14900
73-01-31	1330	418	1180	R	1330	73-04-07	2110	1570	2540	R	10800
73-02-01	0930	372	1080	B	1080	73-04-08	1200	1400	2520	B	9530
73-02-02	1530	322	682	R	593	73-04-09	1305	1170	1980	R	6250
73-02-03	1130	304	508	B	417	73-04-10	1830	1010	1340	R	3650

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## RED RIVER BASIN

07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-04-11	1435	943	1170	B	2980	73-06-25	1220	373	546	B	550
73-04-12	1030	897	1100	B	2660	73-07-09	1150	206	252	B	140
73-04-13	1635	828	780	B	1740	73-07-14	1115	411	2100	B	2330
73-04-14	1235	805	710	B	1540	73-07-14	1715	397	1260	B	1350
73-04-15	1830	875	890	B	2100	73-07-21	1205	484	821	B	1070
73-04-16	0425	1280	1820	B	6290	73-07-21	1605	843	2300	B	5240
73-04-16	1300	1910	3180	B	16400	73-07-21	1800	886	2970	B	7100
73-04-16	2320	1800	2880	B	14000	73-07-21	2100	735	4750	B	9430
73-04-17	1455	1840	3490	B	17300	73-07-21	2200	682	4620	B	8510
73-04-17	2335	2280	5090	B	31300	73-07-21	2350	584	3680	B	5800
73-04-18	0435	2540	7090	B	48600	73-07-22	0400	445	2180	B	2620
73-04-18	1340	2960	8150	B	65100	73-07-23	0405	473	1210	B	1550
73-04-18	2330	3320	8440	B	75700	73-07-23	0600	1210	3150	B	10300
73-04-19	1445	3730	6830	B	68800	73-07-23	0705	1790	6890	B	33300
73-04-20	1005	2470	5320	B	35500	73-07-23	0805	2320	12600	B	78900
73-04-21	0635	1700	2600	B	11900	73-07-23	0905	2780	14500	B	109000
73-04-22	0230	1390	2210	B	8290	73-07-23	1005	3210	13400	B	116000
73-04-23	1445	1230	1810	B	6010	73-07-23	1050	3480	12900	B	121000
73-04-24	2030	979	1130	B	2990	73-07-23	1145	3770	12200	B	124000
73-04-25	1635	885	1060	B	2530	73-07-23	1240	4020	11000	B	119000
73-04-26	2230	778	962	B	2020	73-07-23	1515	4460	9770	B	118000
73-04-27	1825	1190	1650	B	5300	73-07-23	1840	4040	6910	B	75400
73-04-28	1425	998	1510	B	4070	73-07-23	2040	3200	5280	B	45600
73-04-29	1025	791	1300	B	2780	73-07-23	2240	2400	4540	B	29400
73-04-30	1320	689	1570	B	2920	73-07-24	0235	1580	4130	B	17600
73-05-01	1200	692	1680	B	3140	73-07-24	0950	1170	3480	B	11000
73-05-06	0445	449	480	B	582	73-07-24	1845	962	2830	B	7350
73-05-06	1955	660	1410	B	2510	73-07-25	0440	301	2230	B	1810
73-05-07	1015	678	1850	B	3390	73-07-25	1445	634	1340	B	2290
73-05-08	0120	566	623	B	952	73-07-26	0540	503	1190	B	1620
73-05-14	1220	334	623	B	562	73-07-26	1540	447	843	B	1020
73-05-23	0600	734	2100	B	4160	73-07-27	1020	460	863	B	1070
73-05-23	0800	976	2300	B	6060	73-07-30	1200	366	893	B	882
73-05-23	0900	1070	3240	B	9360	73-08-06	1125	229	696	B	430
73-05-23	0945	1120	6690	B	20200	73-08-09	0935	284	1620	B	1240
73-05-23	1415	1120	4710	B	14200	73-08-09	1525	675	1840	B	3350
73-05-23	1900	876	3460	B	8180	73-08-09	1620	733	2230	B	4410
73-05-23	2300	740	2710	B	5410	73-08-09	1730	749	2790	B	5640
73-05-24	0200	704	2080	B	3950	73-08-09	1820	725	4810	B	9420
73-05-24	0600	704	1590	B	3020	73-08-09	1920	683	5210	B	9610
73-05-24	1400	735	1250	B	2480	73-08-09	2125	584	3850	B	6070
73-05-24	1900	947	2210	B	5650	73-08-09	2330	501	2940	B	3980
73-05-24	2210	3010	7960	B	64700	73-08-10	0115	451	2400	B	2920
73-05-25	0045	4450	19900	B	239000	73-08-10	0945	321	1020	B	884
73-05-25	0145	4790	14500	B	188000	73-08-13	1200	162	230	B	101
73-05-25	0345	5210	11500	B	162000	73-08-27	1210	73	125	B	25
73-05-25	0650	4840	7740	B	101000	73-09-04	1105	246	1180	B	784
73-05-25	0740	4570	7080	B	87400	73-09-04	1250	784	3950	B	8360
73-05-25	1410	2030	4290	B	23500	73-09-04	1450	793	9490	B	20300
73-05-26	0805	954	2000	B	5150	73-09-05	1300	327	1710	B	1510
73-05-28	1540	684	1380	B	2550	73-09-06	1535	496	1760	B	2360
73-05-29	1400	503	968	B	1310	73-09-06	2330	614	2010	B	3330
73-05-31	1000	1320	5420	B	19300	73-09-07	0525	649	1720	B	3010
73-05-31	1355	2840	11400	B	87400	73-09-07	0730	884	2410	B	5750
73-05-31	1945	2510	10400	B	70500	73-09-07	0930	1260	4240	B	14400
73-05-31	2345	2390	7030	B	45400	73-09-07	1130	1580	5780	B	24700
73-06-01	1515	1960	5350	B	28300	73-09-07	1255	1760	7440	B	35400
73-06-02	0045	1960	4460	B	23600	73-09-07	1445	1880	6470	B	32800
73-06-02	0935	5570	13500	B	203000	73-09-07	1640	1980	5740	B	30700
73-06-02	1655	7800	8390	B	177000	73-09-07	1840	2040	8830	B	48600
73-06-03	0955	7390	4110	B	82000	73-09-07	1940	2070	9580	B	53500
73-06-04	1125	2530	3690	B	25200	73-09-07	2350	2110	8870	B	50500
73-06-04	2045	2900	3220	B	25200	73-09-08	0335	2110	7400	B	42200
73-06-05	0245	4770	4860	B	62600	73-09-08	0935	2070	6470	B	36200
73-06-05	0645	6090	10100	B	166000	73-09-08	1745	1850	4980	B	24900
73-06-05	0900	6510	14300	B	251000	73-09-09	0340	1700	4320	B	19800
73-06-05	1350	6180	5980	B	99800	73-09-09	0845	1680	4130	B	18700
73-06-06	0930	3060	4910	B	40600	73-09-10	1135	1830	3860	B	19100
73-06-06	2045	2250	3680	B	22400	73-09-12	1330	935	2430	B	6130
73-06-07	1645	1470	2570	B	10200	73-09-13	0910	1490	3630	B	14600
73-06-08	1000	1200	2210	B	7160	73-09-13	1335	2580	11800	B	82200
73-06-09	1040	956	1540	B	3980	73-09-13	1520	2450	9020	B	59700
73-06-10	1135	801	1000	B	2160	73-09-13	1635	2310	7520	B	46900
73-06-11	1350	662	767	B	1370	73-09-13	2135	1840	4270	B	21200
73-06-12	1925	583	638	B	1000	73-09-14	0225	1510	4770	B	19400
73-06-13	1530	534	466	B	672	73-09-14	0730	1210	4080	B	13300
73-06-15	0720	487	496	B	652	73-09-14	1350	1070	3080	B	8900
73-06-18	0505	391	503	B	531	73-09-14	2335	1140	2280	B	7020
73-06-18	2125	1130	9420	B	28700	73-09-15	0935	1110	2280	B	6830
73-06-18	2330	1290	5380	B	18700	73-09-15	1925	1190	3220	B	10300
73-06-19	0115	1520	5080	B	20800	73-09-16	0525	1360	3920	B	14400
73-06-19	0520	1690	5870	B	26800	73-09-16	1525	1420	3500	B	13400
73-06-19	1040	1570	6510	B	27600	73-09-17	1305	1020	3460	B	9530
73-06-19	1230	1410	4870	B	18500	73-09-18	1820	851	2170	B	4990
73-06-19	1630	1180	3030	B	9650	73-09-19	1320	673	1130	B	2050
73-06-19	2020	1080	2360	B	6880	73-09-20	0915	602	853	B	1390
73-06-20	1435	1080	2580	B	7520	73-09-21	1355	559	1030	B	1550
73-06-21	1030	672	1070	B	1940	73-09-22	2130	463	673	B	841
73-06-22	0520	565	739	B	1130	73-09-26	2215	677	1470	B	2690

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
73-09-27	0005		880	1950	R 4630	73-11-20	1135	1310	4290	R 15200	
73-09-27	0205		1280	3320	R 11500	73-11-20	1715	815	3010	R 6620	
73-09-27	0405		1600	5770	R 24900	73-11-20	2115	650	2100	R 3690	
73-09-27	0505		1720	7580	R 35200	73-11-21	0315	540	1240	R 1810	
73-09-27	0710		1890	6420	R 32800	73-11-21	1215	463	545	R 641	
73-09-27	0810		1950	5670	R 29900	73-11-23	0955	336	341	R 309	
73-09-27	1245		2010	5210	R 28300	73-11-24	0615	336	267	R 242	
73-09-27	1820		1730	4700	R 22000	73-11-24	1015	467	1110	R 1400	
73-09-27	2215		1470	3530	R 14000	73-11-24	1115	559	1720	R 2600	
73-09-28	0215		1260	2960	R 10100	73-11-24	1215	644	1920	R 3340	
73-09-28	1045		1020	2300	R 6330	73-11-24	1415	814	2150	R 4730	
73-09-28	1520		1030	1700	R 4730	73-11-24	1615	1070	2930	R 8460	
73-09-29	0110		1380	1780	R 6630	73-11-24	1815	1230	2830	R 9400	
73-09-29	0615		1570	2720	R 11500	73-11-24	2015	1410	3320	R 12600	
73-09-29	1035		1720	4310	R 20000	73-11-24	2315	1680	3930	R 17800	
73-09-29	2015		2000	4650	R 25100	73-11-25	0115	1840	5320	R 26400	
73-09-30	0510		2070	4560	R 25500	73-11-25	0215	1840	5650	R 28100	
73-09-30	1510		1850	4080	R 20400	73-11-25	0315	1800	5070	R 24600	
73-10-01	0100		1320	3130	R 11200	73-11-26	1335	643	1090	R 1890	
73-10-01	1305		1000	2540	R 6860	73-11-27	0910	532	314	R 451	
73-10-02	0815		810	1610	R 3520	73-11-27	1015	467	1110	R 1400	
73-10-03	1415		662	1230	R 2200	73-12-03	1300	285	285	R 219	
73-10-04	1915		699	1090	R 2060	73-12-17	1310	242	192	R 125	
73-10-05	1515		689	1010	R 1880	74-01-14	1240	232	296	R 185	
73-10-06	2000		638	813	R 1400	74-01-29	1255	216	188	R 110	
73-10-07	0600		823	1130	R 2510	74-02-12	1300	194	112	R 59	
73-10-07	1600		1140	2230	R 6860	74-02-21	0855	388	840	R 880	
73-10-08	0150		1170	2550	R 8060	74-02-21	1100	996	3410	R 9170	
73-10-08	1200		1060	2910	R 8330	74-02-21	1300	652	1830	R 3220	
73-10-08	2200		901	3890	R 9460	74-02-21	1600	844	3180	R 7250	
73-10-09	1330		709	3180	R 6090	74-02-21	1800	945	4430	R 11300	
73-10-10	0915		589	1610	R 2560	74-02-21	2000	1090	5600	R 16500	
73-10-11	0500		558	1310	R 1970	74-02-21	2200	1220	5450	R 18000	
73-10-11	1210		743	1480	R 2970	74-02-22	0005	1290	4880	R 17000	
73-10-11	1405		883	1800	R 4290	74-02-22	0100	1310	5230	R 18500	
73-10-11	1700		1080	2610	R 7610	74-02-22	0300	1310	4990	R 17600	
73-10-11	2000		1200	3670	R 11900	74-02-22	0400	1280	6010	R 20800	
73-10-11	2100		1240	4070	R 13600	74-02-22	0500	1260	6330	R 21500	
73-10-11	2200		1260	3750	R 12800	74-02-22	0925	1060	4160	R 11900	
73-10-12	0155		1280	3170	R 11000	74-02-22	1100	996	3410	R 9170	
73-10-12	0600		1150	3620	R 11200	74-02-22	1600	816	2920	R 6430	
73-10-12	0930		1040	3980	R 11200	74-02-22	2100	704	3190	R 6060	
73-10-12	1115		1040	3890	R 10900	74-02-23	0200	627	2350	R 3980	
73-10-12	1300		1040	3590	R 10100	74-02-23	0700	596	1620	R 2610	
73-10-12	1500		1020	3120	R 8590	74-02-23	2200	509	842	R 1160	
73-10-12	1800		981	2340	R 6200	74-02-24	1300	396	494	R 528	
73-10-12	2200		994	1720	R 4620	74-02-25	1300	313	342	R 289	
73-10-13	0200		1140	1860	R 5730	74-03-10	1100	829	2780	R 6220	
73-10-13	0400		1270	2480	R 8500	74-03-10	1515	777	2590	R 5430	
73-10-13	0600		1390	3210	R 12000	74-03-10	2015	1290	3700	R 12900	
73-10-13	0900		1500	3160	R 12800	74-03-11	0110	3970	15000	R 161000	
73-10-13	1100		1520	2930	R 12000	74-03-11	0610	4770	12100	R 156000	
73-10-13	1300		1490	3140	R 12600	74-03-11	1305	3810	6870	R 70700	
73-10-13	1500		1450	3230	R 12600	74-03-11	2015	2380	3700	R 23800	
73-10-13	1700		1420	2960	R 11300	74-03-12	1045	1180	3000	R 9560	
73-10-13	1900		1390	2640	R 9910	74-03-14	1250	1230	3520	R 11700	
73-10-14	0100		1450	2040	R 7990	74-03-19	1200	411	763	R 847	
73-10-14	0500		1520	2310	R 9480	74-04-02	1200	242	255	R 167	
73-10-14	0700		1550	2870	R 12000	74-04-11	1335	660	2910	R 5010	
73-10-14	0900		1540	3600	R 15000	74-04-11	1525	803	3410	R 7390	
73-10-14	1215		1560	3090	R 13000	74-04-11	1725	876	3940	R 9410	
73-10-14	1700		1540	3080	R 12800	74-04-11	1925	837	3410	R 7710	
73-10-15	1200		1080	3740	R 10900	74-04-12	0120	601	2400	R 3890	
73-10-16	1255		815	2930	R 6450	74-04-12	0320	543	2070	R 3030	
73-10-17	1700		663	1600	R 2860	74-04-12	0720	474	1520	R 1950	
73-10-18	1300		602	1200	R 1950	74-04-12	1350	423	1040	R 1190	
73-10-19	1800		523	800	R 1130	74-04-12	1925	404	766	R 836	
73-10-20	1300		470	750	R 952	74-04-13	0520	371	413	R 414	
73-10-23	1315		354	600	R 573	74-04-16	1245	463	1080	R 1350	
73-10-27	1940		477	572	R 737	74-04-29	1235	225	308	R 187	
73-10-27	2035		478	945	R 1220	74-04-30	0300	1450	8380	R 32800	
73-10-27	2135		477	1560	R 2010	74-04-30	0505	2410	12800	R 83300	
73-10-27	2230		475	1660	R 2130	74-04-30	0705	3220	14200	R 123000	
73-10-28	0020		472	1510	R 1920	74-04-30	0905	3610	13200	R 129000	
73-10-28	0425		429	1080	R 1250	74-04-30	1215	3270	9470	R 83600	
73-11-05	1300		257	272	R 189	74-04-30	1715	2030	6320	R 34600	
73-11-19	1300		241	250	R 163	74-04-30	2215	1470	3900	R 15500	
73-11-19	2200		730	4860	R 9580	74-05-01	1415	866	2840	R 6640	
73-11-19	2305		1220	8620	R 28400	74-05-02	0410	3210	9880	R 85600	
73-11-20	0005		1460	7370	R 29100	74-05-02	0910	3500	7600	R 71800	
73-11-20	0100		1590	6810	R 29200	74-05-02	1050	3410	6770	R 62300	
73-11-20	0200		1800	5320	R 25900	74-05-02	1410	3220	5200	R 45200	
73-11-20	0300		1970	5080	R 27000	74-05-02	1910	2880	5560	R 43200	
73-11-20	0400		2050	6130	R 33900	74-05-03	0010	2580	6250	R 43500	
73-11-20	0500		2090	7930	R 44700	74-05-03	0510	2400	5830	R 37800	
73-11-20	0600		2040	7490	R 41300	74-05-03	0930	2270	5390	R 33000	
73-11-20	0700		1920	6550	R 34000	74-05-04	1040	2430	5610	R 36800	
73-11-20	0800		1800	6250	R 30400	74-05-04	2015	2790	6530	R 49200	
73-11-20	0900		1670	5340	R 24100	74-05-05	1615	2760	5080	R 37900	

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-05-06	0905	2050	4220	B	23400	74-08-18	0715	150	293	R	119
74-05-07	1515	1220	2600	B	8560	74-08-19	1305	114	135	R	42
74-05-08	1115	989	1950	B	5210	74-08-28	2115	145	126	R	49
74-05-09	1715	787	1290	R	2740	74-08-29	0400	360	743	R	722
74-05-10	1315	652	1100	R	1940	74-08-29	0600	879	2260	R	5360
74-05-11	1915	532	856	B	1230	74-08-29	0800	1300	3930	R	13800
74-05-13	1215	439	617	B	731	74-08-29	1045	1650	5730	R	25500
74-05-15	0845	377	460	B	468	74-08-29	1430	1840	9610	R	47700
74-05-25	0605	359	3980	R	3860	74-08-29	1545	1870	9510	R	48000
74-05-25	0745	393	1960	B	2080	74-08-29	1945	1920	7270	R	37700
74-05-25	1250	374	1590	B	1610	74-08-30	0045	1960	6090	R	32200
74-05-25	1845	1980	8390	B	44900	74-08-30	0545	1990	4760	R	25600
74-05-25	2045	2060	8890	R	49400	74-08-30	1045	2030	5040	R	27600
74-05-25	2245	1780	6420	B	30900	74-08-30	1305	2050	6730	R	37300
74-05-26	0040	1530	4630	B	19100	74-08-30	1745	2100	6450	R	36600
74-05-26	0235	1350	4010	B	14600	74-08-30	2245	2150	5300	R	30800
74-05-26	0640	1120	3050	B	9220	74-08-31	0845	2190	5190	R	30700
74-05-26	1240	865	2660	B	6210	74-09-01	0445	1830	4410	R	21800
74-05-26	1840	789	1850	B	3940	74-09-02	0500	756	3610	R	7370
74-05-27	0230	703	1110	B	2110	74-09-03	1215	527	2470	R	3510
74-05-27	0835	644	866	B	1510	74-09-04	0745	447	1900	R	2290
74-05-27	1235	674	1210	B	2200	74-09-05	1315	382	1100	R	1130
74-05-27	1835	997	2400	B	6460	74-09-06	0845	434	845	R	990
74-05-28	0040	1240	2860	B	9580	74-09-06	1945	792	1840	R	3930
74-05-28	0630	1290	4130	B	14400	74-09-07	1545	643	2130	R	3700
74-05-28	1225	1220	4210	B	13900	74-09-08	0145	540	3690	R	5380
74-05-29	0130	910	4080	B	10000	74-09-08	2145	458	3040	R	3760
74-05-29	2135	610	2790	R	4600	74-09-09	0745	428	2590	R	2990
74-05-30	1740	503	2080	B	2820	74-09-09	1745	402	1990	R	2160
74-05-31	1445	468	1510	B	1910	74-09-10	0345	381	1360	R	1400
74-05-31	1940	1260	5340	R	18200	74-09-11	0945	337	870	R	792
74-06-01	0035	2130	10600	B	61000	74-09-12	1545	320	502	R	434
74-06-01	0535	1820	5030	B	24700	74-09-13	1145	309	414	R	345
74-06-01	1040	1320	3570	B	12700	74-09-16	1220	329	530	R	471
74-06-01	1540	966	2600	B	6780	74-09-22	1215	362	418	R	409
74-06-01	2040	787	2010	B	4270	74-09-22	1815	583	1090	R	1720
74-06-02	1140	575	989	B	1540	74-09-23	0010	804	1880	R	4080
74-06-03	1235	406	530	B	581	74-09-23	1245	1060	4370	R	12500
74-06-11	1215	303	1630	B	1330	74-09-23	1610	1110	5360	R	16100
74-06-12	0915	494	776	B	1040	74-09-23	2115	1120	6000	R	18100
74-06-12	1915	738	1420	B	2830	74-09-24	0210	1090	5460	R	16100
74-06-13	0510	708	1390	B	2660	74-09-24	0710	1030	5810	R	16200
74-06-13	1515	603	1970	B	3210	74-09-24	1200	953	6720	R	17300
74-06-13	2015	556	2570	B	3860	74-09-24	1710	909	5800	R	14200
74-06-14	0110	511	2480	B	3420	74-09-25	0300	874	3910	R	9230
74-06-14	1115	421	2200	R	2500	74-09-25	1310	826	2930	R	6530
74-06-14	2115	360	1810	B	1760	74-09-26	0910	659	2090	R	3720
74-06-15	0715	305	1330	B	1100	74-09-27	1510	556	1410	R	2120
74-06-17	1725	664	1420	B	2550	74-09-28	1110	766	1650	R	3410
74-06-17	2220	845	5510	B	12600	74-09-29	0715	701	1700	R	3220
74-06-18	0315	521	2640	B	3710	74-09-30	1315	517	1410	R	1970
74-06-18	0930	355	2100	B	2010	74-10-01	1310	517	1120	R	1560
74-06-24	1215	155	114	B	48	74-10-02	1915	392	588	R	622
74-07-08	1320	64	64	B	11	74-10-03	1015	349	400	R	377
74-07-22	1310	22	137	B	8.1	74-10-15	1205	187	100	R	50
74-08-05	1115	43	102	B	12	74-10-28	1245	391	1090	R	1150
74-08-10	0530	323	2040	R	1780	74-10-28	1645	583	1490	R	2350
74-08-10	0930	943	3440	B	8760	74-10-28	1845	643	2100	R	3650
74-08-10	1230	1720	5320	B	24700	74-10-28	2245	664	2560	R	4590
74-08-10	1330	2060	7710	B	42900	74-10-29	0230	571	1830	R	2820
74-08-10	1430	2350	8900	B	56500	74-10-29	1405	458	1330	R	1640
74-08-10	1530	2530	9440	B	64500	74-10-30	0830	336	842	R	764
74-08-10	1630	2490	9480	B	63700	74-10-30	1730	774	3100	R	6480
74-08-10	1730	2400	8660	B	56100	74-10-31	0345	2220	7120	R	42700
74-08-10	1830	2220	7460	B	44700	74-10-31	1220	1670	3970	R	17900
74-08-10	1930	2050	6200	B	34300	74-11-01	1125	868	2130	R	4990
74-08-10	2030	1880	5410	R	27500	74-11-02	1730	695	670	R	1260
74-08-10	2330	1540	4360	R	18100	74-11-02	2130	1060	1240	R	3550
74-08-11	0130	1640	4400	B	19500	74-11-02	2330	1400	2260	R	8540
74-08-11	0330	1780	4790	B	23000	74-11-03	0130	1760	4780	R	22700
74-08-11	0430	1840	6180	B	30700	74-11-03	0530	2370	7640	R	48900
74-08-11	0530	1840	6880	B	34200	74-11-03	0730	2500	8080	R	54500
74-08-11	0630	1840	6250	B	31100	74-11-03	1030	2540	6630	R	45500
74-08-11	0930	1650	5020	B	22400	74-11-03	1330	2480	5050	R	33800
74-08-11	1130	1480	5520	B	22100	74-11-03	1530	2330	4680	R	29400
74-08-11	1330	1300	4790	B	16800	74-11-03	2130	2010	4410	R	23900
74-08-11	1730	1000	3620	R	9770	74-11-04	1050	1430	4050	R	15600
74-08-11	2330	746	2620	R	5280	74-11-04	2030	1860	4710	R	23700
74-08-12	1325	927	2850	R	7130	74-11-05	0630	2200	5300	R	31500
74-08-13	0005	1450	4150	B	16200	74-11-05	1500	2430	7000	R	45900
74-08-13	0600	1450	5350	B	20900	74-11-06	1530	2850	5480	R	42200
74-08-13	1055	1340	3260	B	11800	74-11-07	0930	3010	5120	R	41600
74-08-13	1500	1200	5370	B	17400	74-11-08	1050	1980	3970	R	21200
74-08-13	2000	1030	4350	B	12100	74-11-09	0630	1430	3310	R	12800
74-08-14	0600	737	3550	B	7060	74-11-10	1230	1130	2200	R	6710
74-08-14	2300	444	2910	B	3490	74-11-11	1420	941	1820	R	4620
74-08-15	1900	324	2590	B	2270	74-11-12	1400	817	1400	R	3090
74-08-16	1515	248	1540	B	1030	74-11-13	2000	734	1050	R	2080
74-08-17	1115	195	594	B	313	74-11-14	1600	691	900	R	1680

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-11-15	1200	648		700	R	1220					
74-11-16	1830	590		650	R	1040					
74-11-17	0900	565		580	R	885					
74-11-18	0015	929		1600	R	4010					
74-11-18	1500	1030		1800	R	5010					
74-11-19	0615	1050		1650	R	4680					
74-11-25	1405	436		620	R	730					
74-12-09	1430	317		412	B	353					
74-12-23	1310	315		225	B	191					
75-01-02	1215	432		967	B	1130					
75-01-06	1330	462		690	B	861					
75-01-20	1240	284		232	B	178					
75-01-31	2300	619		998	B	1670					
75-02-01	0100	704		1330	R	2530					
75-02-01	0500	762		974	R	2000					
75-02-01	0900	786		1420	B	3010					
75-02-01	1100	791		2180	R	4660					
75-02-01	1300	792		2210	R	4730					
75-02-01	1700	784		1370	R	2900					
75-02-02	0600	760		1000	R	2050					
75-02-02	1800	789		781	R	1660					
75-02-03	1500	1050		1170	R	3320					
75-02-04	0530	1090		1550	R	4560					
75-02-04	1350	1120		2190	R	6620					
75-02-05	0130	1170		2450	B	7740					
75-02-05	1630	1080		1650	B	4810					
75-02-06	1230	1100		1220	R	3620					
75-02-07	0830	1110		1200	B	3600					
75-02-08	1415	968		1050	R	2740					
75-02-09	2015	687		800	R	1480					
75-02-10	2115	582		500	B	786					
75-02-12	1815	512		300	B	415					
75-02-18	1005	458		165	B	204					
75-02-22	1625	898		1560	R	3780					
75-02-23	0730	977		2250	R	5940					
75-02-23	2230	819		1600	R	3540					
75-02-25	0845	763		1120	R	2310					
75-02-27	1115	767		815	B	1690					
75-03-01	1115	735		850	B	1690					
75-03-05	2030	611		600	B	990					
75-03-17	1245	514		405	R	562					
75-03-31	1235	907		1650	R	4040					
75-04-01	0315	812		960	R	2100					
75-04-01	1315	772		2030	B	4230					
75-04-02	1900	676		1960	B	3580					
75-04-03	0500	660		1400	B	2490					
75-04-04	1010	622		941	R	1580					
75-04-06	0700	598		400	R	646					
75-04-07	1900	727		600	R	1180					
75-04-08	0500	888		1500	B	3600					
75-04-08	1500	1420		3720	B	14300					
75-04-09	0100	1190		2770	B	8900					
75-04-09	0930	995		2240	R	6020					
75-04-10	0500	823		820	R	1820					
75-04-10	2000	760		600	R	1230					
75-04-11	1100	872		650	R	1530					
75-04-11	1600	1010		1200	B	3270					
75-04-11	2100	1100		1520	B	4510					
75-04-12	1650	1020		1530	R	4210					
75-04-13	0250	961		2570	R	6670					
75-04-13	2250	926		2350	B	5880					
75-04-14	1325	919		2290	R	5680					
75-04-16	1500	771		1100	R	2290					
75-04-17	1100	639		583	R	1010					
75-04-28	1305	425		600	B	688					
75-05-02	2130	1760		9070	R	43100					
75-05-02	2315	1350		5740	R	20900					
75-05-03	0115	1420		4870	R	18700					
75-05-03	0615	1300		5310	R	18600					
75-05-03	0715	1240		4710	B	15800					
75-05-03	1115	986		2700	R	7190					
75-05-03	1515	831		2290	R	5140					
75-05-03	1915	832		2020	R	4540					
75-05-03	2315	888		1450	B	3480					
75-05-04	0515	930		1570	R	3940					
75-05-04	0915	907		2040	R	5000					
75-05-04	1315	864		1290	R	3010					
75-05-05	0715	868		1400	R	3280					
75-05-06	0315	869		1600	B	3750					
75-05-07	0915	780		2100	R	4420					
75-05-08	0515	676		2000	R	3650					
75-05-12	1300	435		996	R	1170					
75-05-13	2115	567		1040	B	1590					
75-05-13	2315	575		1910	R	2970					
75-05-14	0115	593		2550	R	4080					
75-05-14	0615	852		2280	B	5240					
75-05-14	0715	953		4420	R	11400					
75-05-14	1250	1420		4690	R	18000					
75-05-14	1615	1580		5120	R	21800					
75-05-14	2015	1870		5720	R	28900					
75-05-14	2215	1970		6930	R	36900					
75-05-15	0015	1940		7130	R	37300					
75-05-15	0225	1870		5820	R	29400					
75-05-15	0625	1830		3910	R	19300					
75-05-15	1110	1930		4570	R	23800					
75-05-15	1225	1940		5120	R	26800					
75-05-15	1725	1930		4760	R	24800					
75-05-16	0325	1830		4260	R	21000					
75-05-16	0825	1800		5070	R	24600					
75-05-16	1320	1800		4700	R	22800					
75-05-17	1415	1580		3430	R	14600					
75-05-18	0020	1580		4250	R	18100					
75-05-18	1515	1340		2900	R	10500					
75-05-19	0610	1040		3580	R	10100					
75-05-19	1240	945		3430	R	8750					
75-05-20	0715	840		2180	R	4940					
75-05-21	1315	693		1350	R	2530					
75-05-22	0915	632		950	R	1620					
75-05-22	1905	881		3230	R	7680					
75-05-23	0500	6960		9450	R	178000					
75-05-23	0900	7700		7570	R	157000					
75-05-23	1100	7920		6310	R	135000					
75-05-23	1705	7750		5260	R	110000					
75-05-24	0300	5440		5420	R	79600					
75-05-24	0915	4450		5810	R	69800					
75-05-24	1700	4090		5420	R	59900					
75-05-24	2100	4010		6120	R	66300					
75-05-25	0500	3840		5320	R	55200					
75-05-25	1600	3220		3860	R	33600					
75-05-26	0200	2480		4710	R	31500					
75-05-26	1200	2000		3060	R	16500					
75-05-26	2200	1770		2400	R	11500					
75-05-27	1320	1500		2190	R	8870					
75-05-27	2300	1430		1600	B	6180					
75-05-28	0800	1920		4440	R	23000					
75-05-28	1000	2080		2500	R	14000					
75-05-28	1200	2250		3510	R	21300					
75-05-28	1400	2770		5640	R	42200					
75-05-28	1600	3410		7440	R	68500					
75-05-28	1800	3700		9900	R	98900					
75-05-28	2000	3630		7030	R	68900					
75-05-28	2200	3440		4840	R	45000					
75-05-28	2400	3210		3980	R	34500					
75-05-29	0200	2970		3340	R	26800					
75-05-29	1005	2430		2750	R	18000					
75-05-29	1500	2360		1890	R	12000					
75-05-29	2000	2480		2350	R	15700					
75-05-30	0600	2700		2580	R	18800					
75-05-30	1050	3000		4130	R	33500					
75-05-30	2100	2880		2820	R	21900					
75-05-31	0700	2410		2070	B	13500					
75-06-01	0300	2300		2450	R	15200					
75-06-01	1800	2540		3410	R	23400					
75-06-02	0400	2540		4110	R	28200					
75-06-02	1325	2									

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-06-23	1100	1220	1280	B	4220	75-08-18	1415	499	1590	R	2140
75-06-23	1345	1300	2390	R	8390	75-08-25	1320	384	888	R	921
75-06-23	1600	1940	5240	R	27400	75-09-02	1110	397	612	R	656
75-06-23	2200	2180	5150	R	30300	75-09-16	1315	291	420	R	330
75-06-24	0200	1870	3610	B	18200	75-09-30	1225	228	244	R	150
75-06-24	1000	1610	2220	B	9650	75-10-14	1325	511	190	R	262
75-06-24	1400	1790	2440	B	11800	75-10-18	1400	679	454	R	832
75-06-24	2200	1970	3310	B	17600	75-10-18	2000	738	685	R	1360
75-06-25	0400	2280	3970	B	24400	75-10-19	0400	706	866	R	1650
75-06-25	0600	2900	8750	B	68500	75-10-19	1000	536	713	R	1030
75-06-25	0800	3070	15000	B	124000	75-10-20	1200	501	3370	R	4560
75-06-25	1000	3050	10800	B	88900	75-10-20	1745	461	3230	R	4020
75-06-25	1200	3000	8710	R	70600	75-10-20	2355	407	2910	R	3200
75-06-25	1340	2960	7720	R	61700	75-10-21	1330	407	2180	R	2400
75-06-25	2200	2720	5780	R	42400	75-10-28	1300	261	331	R	233
75-06-26	0200	2440	5060	B	33300	75-11-06	0130	450	519	R	631
75-06-26	0800	1960	4460	B	23600	75-11-06	0930	618	773	R	1290
75-06-26	1300	1680	3490	B	15800	75-11-06	1730	655	995	R	1760
75-06-26	2300	1570	3210	R	13600	75-11-07	0930	637	1010	R	1740
75-06-27	0400	1770	3560	B	17000	75-11-08	1100	512	1440	R	1990
75-06-27	0845	2040	4350	B	24000	75-11-09	0700	432	818	R	954
75-06-27	1345	2260	5460	B	33300	75-11-11	1250	373	558	R	562
75-06-27	1845	2430	6620	B	43400	75-11-25	1340	355	516	R	495
75-06-27	2355	2570	8350	B	57900	75-12-09	1335	286	408	R	315
75-06-28	0955	2670	7940	B	57200	75-12-23	1340	280	260	R	197
75-06-28	1500	2580	6020	B	41900	76-01-06	1345	301	255	R	207
75-06-29	0045	2070	3510	B	19600	76-01-20	1320	289	310	R	242
75-06-29	1045	1720	2970	B	13800	76-02-03	1330	265	212	R	152
75-06-29	1545	1660	3010	B	13500	76-02-17	1315	268	307	R	222
75-06-29	2045	1600	3580	B	15500	76-03-02	1320	237	168	R	108
75-06-30	1350	1470	3460	B	13700	76-03-08	1415	444	258	R	309
75-07-01	0745	1360	1700	B	6240	76-03-08	2015	504	537	R	731
75-07-02	1345	1210	1400	B	4570	76-03-09	0015	546	617	R	910
75-07-03	0945	1150	1200	R	3730	76-03-09	0615	583	808	R	1270
75-07-04	1545	1090	950	B	2800	76-03-09	1415	571	543	R	837
75-07-05	2145	1020	830	B	2290	76-03-10	0815	495	300	R	401
75-07-07	1240	615	625	R	1040	76-03-11	1030	402	182	R	198
75-07-08	0010	930	900	B	2260	76-03-16	1250	321	420	R	364
75-07-08	0155	1540	2660	B	11100	76-03-30	1330	252	496	R	337
75-07-08	0355	2000	4070	B	22000	76-04-13	0955	214	305	R	176
75-07-08	0555	2230	6200	B	37300	76-04-17	0830	465	695	R	873
75-07-08	0955	2160	5390	B	31400	76-04-17	1630	545	700	R	1030
75-07-08	1130	2010	4850	B	26300	76-04-18	0430	612	1250	R	2070
75-07-08	1745	1350	2580	B	9400	76-04-18	1230	962	2080	R	5400
75-07-08	2245	1040	2280	B	6400	76-04-18	2030	976	2330	R	6140
75-07-09	0335	883	1350	B	3220	76-04-19	0430	1020	3140	R	8650
75-07-11	0950	722	1490	B	2900	76-04-19	1030	1310	3190	R	11300
75-07-21	1235	394	511	B	544	76-04-19	1230	1540	3880	R	16100
75-07-24	1130	1610	5960	B	25900	76-04-19	1430	1710	4530	R	20900
75-07-24	1330	2860	16600	B	128000	76-04-19	1630	1840	5030	R	25000
75-07-24	1530	3500	13000	B	123000	76-04-19	1830	1870	4800	R	24200
75-07-24	1730	3840	10700	B	111000	76-04-19	2230	1810	4250	R	20800
75-07-24	1930	3980	8490	B	91200	76-04-20	0230	1900	3930	R	20200
75-07-24	2130	4090	8320	B	91900	76-04-20	1050	1960	4170	R	22100
75-07-24	2330	4330	7450	B	87100	76-04-21	0630	1520	3010	R	12400
75-07-25	0130	4620	7450	B	92900	76-04-22	1030	1080	2410	R	7030
75-07-25	0330	4820	7670	B	99800	76-04-23	1330	1220	2630	R	8660
75-07-25	0530	4830	7470	B	97400	76-04-24	0930	895	3000	R	7250
75-07-25	0905	4520	5310	B	64800	76-04-25	0530	712	2000	R	3840
75-07-25	1430	3780	4450	B	45400	76-04-26	1115	573	1200	R	1860
75-07-25	1830	4020	4310	B	46800	76-04-27	1235	495	903	R	1210
75-07-25	2030	4390	5170	B	61300	76-04-28	0315	467	800	R	1010
75-07-25	2230	4550	7320	B	89900	76-04-28	1215	537	1100	R	1590
75-07-26	0030	4450	7910	B	95000	76-04-29	1915	637	1000	R	1720
75-07-26	0230	4300	6710	B	77900	76-04-30	1530	603	800	R	1300
75-07-26	0430	4160	5830	B	65500	76-05-01	1130	532	600	R	862
75-07-26	0630	4000	4650	B	50200	76-05-02	1730	640	800	R	1380
75-07-26	1030	3880	3960	B	41500	76-05-03	1330	635	700	R	1200
75-07-26	1530	3820	4710	B	48600	76-05-04	1115	608	1090	R	1790
75-07-26	2030	4100	5210	R	57700	76-05-05	0715	543	800	R	1170
75-07-27	0130	4390	7280	B	86300	76-05-06	1315	491	854	R	1130
75-07-27	0630	4470	7110	B	85800	76-05-07	0915	448	700	R	847
75-07-27	1130	4370	6140	B	72400	76-05-11	1220	442	633	R	755
75-07-27	1545	4120	5710	B	63500	76-05-13	0400	529	530	R	757
75-07-28	0515	4260	4740	B	54500	76-05-13	1400	809	1210	R	2640
75-07-28	1100	4470	5120	B	61800	76-05-14	0005	804	1240	R	2690
75-07-28	1520	5060	5340	B	73000	76-05-25	1225	278	272	R	204
75-07-28	2020	5040	9830	B	134000	76-05-26	2245	619	898	R	1500
75-07-29	0120	5120	5130	B	70900	76-05-27	0045	876	1680	R	3970
75-07-29	0620	5150	5710	B	79400	76-05-27	0145	1070	2640	R	7630
75-07-29	1115	4990	6140	B	82700	76-05-27	0245	1200	3040	R	9850
75-07-29	1615	5470	7390	B	109000	76-05-27	0345	1280	3430	R	11900
75-07-29	2115	5870	6700	B	106000	76-05-27	0445	1260	4570	R	15500
75-07-29	2315	6210	10100	B	169000	76-05-27	0545	1220	5020	R	16500
75-07-30	0115	6470	11700	B	204000	76-05-27	0745	1120	4010	R	12100
75-07-30	1005	4720	5030	R	64100	76-05-27	1320	918	3060	R	7580
75-08-01	1405	2970	4150	R	33300	76-05-27	2045	767	1700	R	3520
75-08-04	1340	1520	4080	R	16700	76-05-28	1145	637	1000	R	1720
75-08-11	1235	1000	1840	R	4970	76-05-29	0745	582	698	R	1100

\* = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USOA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-05-29	1730	939	1130	R	2860	77-04-21	2145	653	1670	R	2940
76-05-30	0330	1140	1970	R	6060	77-04-22	1145	549	1060	R	1570
76-05-30	1330	1170	3670	R	11600	77-04-23	1730	296	714	R	571
76-05-30	2330	1160	3160	R	9900	77-04-26	1315	180	412	R	200
76-05-31	0930	452	3150	R	3840	77-04-30	0600	328	794	R	703
76-06-01	1340	1030	2630	R	7310	77-04-30	0730	365	898	R	885
76-06-02	1145	715	1700	R	3280	77-04-30	0930	384	1570	R	1580
76-06-04	1140	556	478	R	718	77-04-30	1130	387	1580	R	1650
76-06-06	0545	701	1140	R	2160	77-04-30	1330	372	1150	R	1160
76-06-06	1530	748	1280	R	2590	77-04-30	1530	355	949	R	910
76-06-07	1145	710	1400	R	2680	77-05-01	0200	339	708	R	648
76-06-08	1235	674	1220	R	2220	77-05-02	2030	361	646	R	630
76-06-09	1330	602	792	R	1290	77-05-02	2230	425	1180	R	1350
76-06-22	1255	244	261	R	172	77-05-03	0030	460	1420	R	1760
76-06-22	2330	409	665	R	734	77-05-03	0630	501	1320	R	1790
76-06-23	1415	485	670	R	877	77-05-03	1325	593	2720	R	4350
76-06-24	0315	1070	1410	R	4070	77-05-03	2330	890	2040	R	4900
76-06-24	0815	1210	3580	R	11700	77-05-04	0530	881	1900	R	4520
76-06-24	1315	1160	3560	R	11100	77-05-04	1305	915	2500	R	6180
76-06-24	1505	1160	3240	R	10100	77-05-05	0830	635	1700	R	2910
76-06-24	1815	1140	2980	R	9170	77-05-06	1355	531	1230	R	1760
76-06-24	2315	866	3150	R	7370	77-05-07	0415	590	1020	R	1620
76-06-25	0415	698	2170	R	4090	77-05-07	1415	705	1120	R	2130
76-06-25	0615	660	1400	R	2490	77-05-07	1915	971	1660	R	4350
76-06-25	1915	537	797	R	1160	77-05-08	0015	1090	2230	R	6560
76-06-26	1515	416	464	R	521	77-05-08	0515	1100	2300	R	6830
76-07-07	1130	158	152	R	65	77-05-08	1015	1120	2560	R	7740
76-07-15	1230	469	4850	R	6140	77-05-08	1515	1130	2980	R	9090
76-07-15	1430	1580	7980	R	34000	77-05-08	2015	1140	3120	R	9600
76-07-15	1645	1490	5020	R	20200	77-05-09	0600	1150	2880	R	8940
76-07-15	1845	1120	3610	R	10900	77-05-09	2100	1160	2910	R	9110
76-07-15	2245	792	1460	R	3120	77-05-10	1305	969	2490	R	6510
76-07-16	0445	1040	2120	R	5950	77-05-11	0300	789	1970	R	4200
76-07-16	1215	893	2680	R	6460	77-05-11	2300	655	1380	R	2440
76-07-16	2200	559	1200	R	1810	77-05-12	1900	682	1300	R	2390
76-07-17	2300	308	400	R	333	77-05-13	0445	1170	1900	R	6000
76-07-20	1230	160	115	R	50	77-05-13	0845	1330	2470	R	8870
76-07-26	1215	89	223	R	54	77-05-13	1300	1460	2610	R	10300
76-08-03	1320	70	133	R	25	77-05-13	1800	1570	3350	R	14200
76-08-06	0430	394	1590	R	1690	77-05-13	2300	1610	4010	R	17400
76-08-06	0615	391	1670	R	1760	77-05-14	0400	1530	3760	R	15500
76-08-06	0830	406	1370	R	1500	77-05-14	0900	1360	3190	R	11700
76-08-06	1030	412	1030	R	1150	77-05-14	1400	1180	2740	R	8730
76-08-06	1430	407	840	R	923	77-05-14	1900	1200	2350	R	7610
76-08-06	2015	325	537	R	471	77-05-14	2300	1170	2190	R	6920
76-08-17	1145	55	64	R	9.5	77-05-15	0400	817	1980	R	4370
76-08-31	1205	76	120	R	25	77-05-15	0900	754	1730	R	3520
76-09-13	0330	323	577	R	503	77-05-15	1400	737	1620	R	3220
76-09-13	0730	545	949	R	1400	77-05-15	1900	711	1570	R	3010
76-09-13	0930	621	1570	R	2630	77-05-16	1100	584	1280	R	2020
76-09-13	1130	641	1600	R	2770	77-05-17	1205	463	1140	R	1430
76-09-13	1530	591	1320	R	2110	77-05-18	1700	352	750	R	713
76-09-13	2330	479	1060	R	1370	77-05-19	1300	306	709	R	586
76-09-14	1120	290	750	R	587	77-05-19	2145	1660	5490	R	24600
76-09-15	0245	243	363	R	238	77-05-20	0800	4410	7110	R	84700
76-09-15	1745	318	550	R	472	77-05-20	1350	2800	4360	R	33000
76-09-16	0345	386	1200	R	1250	77-05-20	1800	2230	3870	R	23300
76-09-16	0845	403	700	R	762	77-05-20	2300	3500	4620	R	43700
76-09-16	1340	635	1970	R	3380	77-05-21	0350	5740	10300	R	160000
76-09-16	2345	1030	260	R	723	77-05-21	0600	6050	7130	R	116000
76-09-17	0915	962	4130	R	10700	77-05-21	1045	6130	6510	R	108000
76-09-17	1830	756	4060	R	8290	77-05-21	1545	5640	5390	R	82100
76-09-18	0445	612	2910	R	4810	77-05-21	2145	4860	4860	R	63800
76-09-18	1430	528	2500	R	3560	77-05-22	0345	4390	5150	R	61000
76-09-19	1030	420	2100	R	2380	77-05-22	0545	4310	7010	R	81600
76-09-20	0630	334	1650	R	1490	77-05-22	0745	4260	7910	R	91000
76-09-20	1630	301	900	R	731	77-05-22	1040	4190	8110	R	91700
76-09-21	1225	234	758	R	479	77-05-22	1245	4150	7740	R	86700
76-09-28	1220	132	134	R	48	77-05-22	2045	4070	6630	R	72900
76-10-13	1200	108	156	R	45	77-05-23	0840	4020	6330	R	68700
76-10-27	1215	115	146	R	45	77-05-24	1450	4030	4400	R	47900
76-11-10	1255	140	104	R	39	77-05-25	1000	4040	4060	R	44300
76-11-23	1320	128	72	R	25	77-05-27	1115	4770	4250	R	54700
76-12-08	1315	148	65	R	26	77-05-29	0330	4720	4240	R	54000
76-12-21	1325	136	112	R	41	77-05-29	2345	4600	3610	R	44800
77-01-04	1335	145	150	R	59	77-05-30	1445	4600	3460	R	43000
77-01-19	1445	147	770	R	306	77-05-31	0430	4580	3620	R	44800
77-02-01	1330	160	95	R	41	77-05-31	1405	5560	4720	R	70900
77-02-14	1330	211	127	R	72	77-05-31	2330	5840	5560	R	87700
77-03-01	1400	144	200	R	78	77-06-01	1330	5580	5330	R	80300
77-03-16	1410	135	141	R	51	77-06-03	0945	5540	4140	R	61900
77-03-29	1350	143	177	R	68	77-06-06	0905	2000	2740	R	14800
77-04-12	1400	95	150	R	38	77-06-14	1315	1300	1460	R	5120
77-04-21	0645	512	1650	R	2280	77-06-17	1245	1160	1060	R	3320
77-04-21	0845	794	2450	R	5250	77-06-21	1335	563	740	R	1120
77-04-21	1045	1010	3160	R	8620	77-06-24	0945	427	1460	R	1680
77-04-21	1245	1030	3220	R	8950	77-06-28	1410	436	950	R	1120
77-04-21	1525	920	2760	R	6860	77-07-12	1305	239	330	R	213
77-04-21	1645	861	2260	R	5250	77-07-26	1325	134	254	R	92

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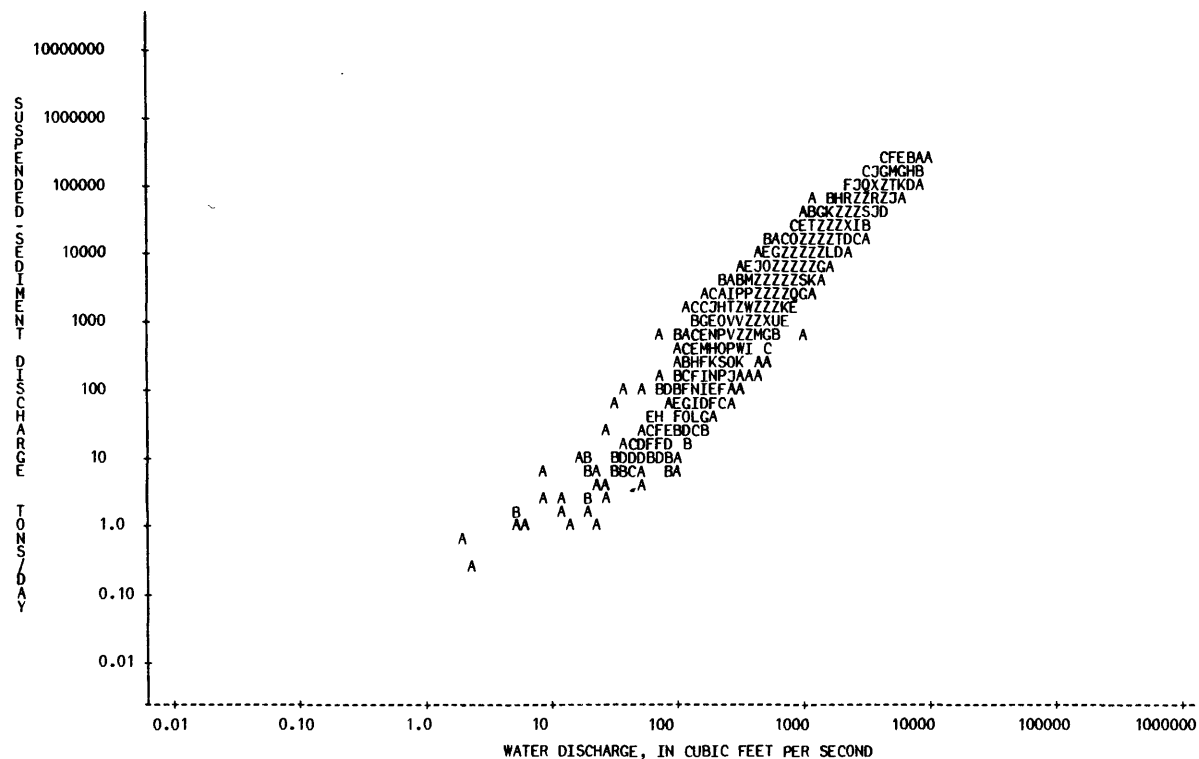
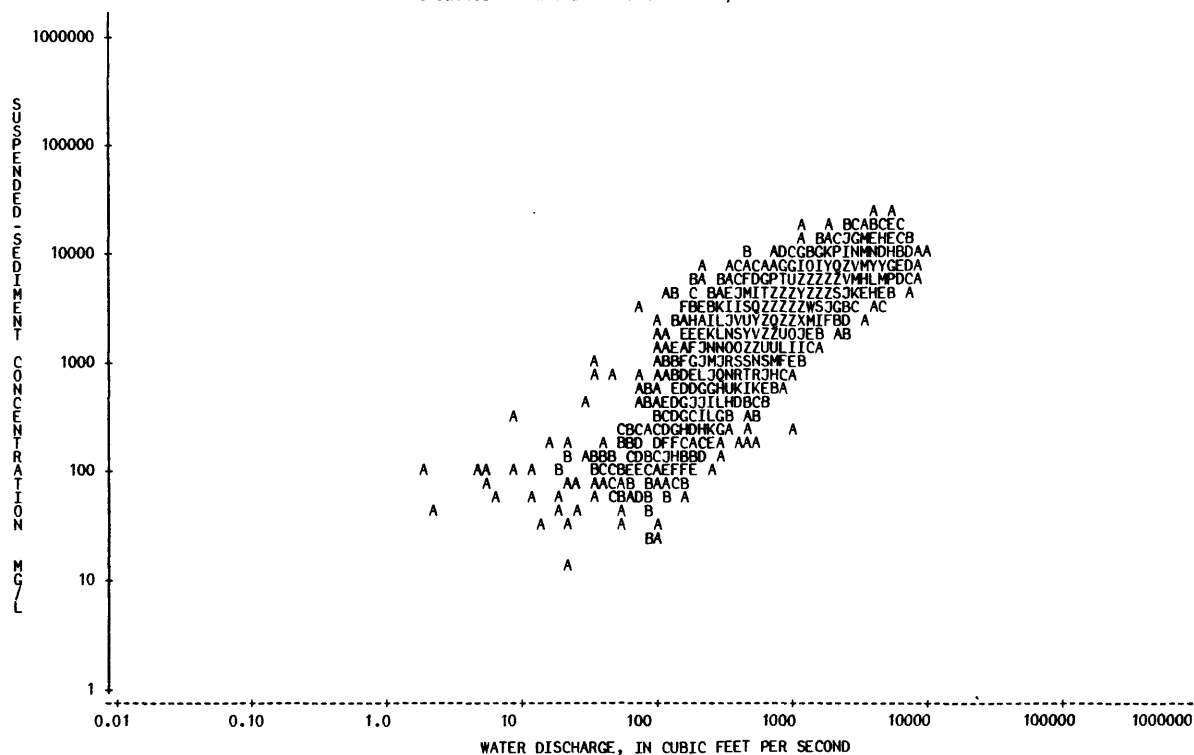
07328100 WASHITA RIVER AT ALEX, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
77-08-09		1300	174	233	B	109					
77-08-23		1400	989	4090	B	10900					
77-08-23		1800	932	6010	B	15100					
77-08-23		2000	905	6680	B	16300					
77-08-24		0010	861	6510	B	15100					
77-08-24		0200	848	6020	B	13800					
77-08-24		1310	767	4260	B	8820					
77-08-24		2300	734	3410	B	6760					
77-08-25		0925	1090	3880	B	11400					
77-08-25		1400	989	3180	B	8490					
77-08-25		1900	1030	2450	B	6810					
77-08-26		0005	1000	2640	B	7130					
77-08-26		0500	867	3570	B	8360					
77-08-26		1000	734	4050	B	8030					
77-08-26		2000	575	2280	B	3540					
77-08-27		0600	490	1300	B	1720					
77-08-28		1200	377	550	B	560					
77-08-28		2145	657	1210	B	2150					
77-08-29		0745	913	2040	B	5030					
77-08-29		1800	829	2090	B	4680					
77-08-30		0650	619	2940	B	4910					
77-08-30		1355	575	2240	B	3480					
77-08-30		2345	544	1750	B	2570					
77-08-31		1945	552	1030	B	1540					
77-09-01		1545	552	940	B	1400					
77-09-05		2000	276	438	B	326					
77-09-08		1020	226	260	B	159					
77-09-21		1030	130	116	B	41					
77-10-04		1200	113	134	B	41					
77-10-19		1250	235	202	B	128					
77-11-02		1125	423	740	B	845					
77-11-15		1355	186	174	B	87					
77-11-30		1040	153	173	B	71					
77-12-14		1350	153	70	B	29					

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07328100 WASHITA RIVER AT ALEX, OKLA.



## RED RIVER BASIN

07328500 WASHITA RIVER NEAR PAULS VALLEY, OKLA.

LOCATION.--Lat 34°45'17", long 95°15'04", in SE 1/4 sec.1. T.3 N., R.1 W., Garvin County, Hydrologic Unit 11130303, on downstream side of left pier of bridge on U.S. Highway 77, 2 mi (3 km) northwest of Pauls Valley, 6 mi (10 km) downstream from Owl Creek, 7 mi (11 km) upstream from Washington Creek, and at mile 146.5 (235.7 km).

DRAINAGE AREA.--5,330 mi<sup>2</sup> (13,805 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-62, 1964-70, 1973-76.

REMARKS.--Some regulation since March 1959 by Fort Cobb Reservoir and since February 1961 by Foss Reservoir. Initial upstream floodwater-retarding structure was completed in July 1948. Construction is continuing with 1,386 mi<sup>2</sup> (3,590 km<sup>2</sup>) currently controlled below Foss and Fort Cobb Reservoirs.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-02			1220	7200	A 23700	40-06-18			470	6800	A 8630
38-07-15			412	1200	A 1330	40-07-04			7180	5300	A 103000
38-09-06			112	1700	A 514	40-07-06			3140	23500	A 199000
38-09-21			259	2100	A 1470	40-07-09			1490	10000	A 40200
38-10-07			79	200	A 43	40-07-25			499	2400	A 3230
38-10-18			81	200	A 44	40-08-13			399	2700	A 2910
38-11-15			170	1700	A 780	40-12-12			151	500	A 204
38-11-22			118	100	A 32	41-02-05			238	700	A 450
39-01-11			839	2200	A 4980	41-02-10			208	200	A 112
39-01-19			296	6900	A 5510	41-02-27			292	600	A 473
39-02-03			167	200	A 90	41-08-09			598	400	A 646
39-02-10			146	200	A 79	41-09-03			1270	2400	A 8230
39-02-16			137	200	A 74	41-09-10			1790	4800	A 23200
39-02-24			130	200	A 70	42-06-25			1100	5100	A 15100
39-03-02			128	300	A 104	42-07-03			1200	1400	A 4540
39-03-13			120	200	A 65	42-07-10			794	2500	A 5360
39-03-21			112	200	A 60	42-07-18			502	1200	A 1630
39-04-01			330	1300	A 1160	42-07-25			434	2600	A 3050
39-04-10			234	1100	A 695	42-07-30			588	2500	A 3970
39-04-21			211	1100	A 627	42-08-07			527	4000	A 5690
39-04-27			173	700	A 327	42-08-12			370	1300	A 1300
39-05-05			148	300	A 120	42-08-27			3590	22900	A 222000
39-05-14			1760	13600	A 64600	42-09-04			1850	10800	A 53900
39-05-18			1640	13300	A 58900	42-09-14			907	200	A 490
39-05-19			1540	15700	A 65300	42-09-24			3280	15700	A 139000
39-05-25			287	3500	A 2710	42-10-01			930	8400	A 21100
39-05-26			262	20500	A 14500	42-10-07			481	3600	A 4680
39-06-13			492	4800	A 6380	42-10-15			417	1700	A 1910
39-06-24			1320	11100	A 39600	42-10-23			2580	14600	A 102000
39-06-25	0001		2400	20200	A 131000	42-10-28			978	8600	A 22700
39-06-25	0002		2750	22700	A 169000	42-11-05			4000	17100	A 185000
39-06-26			2510	13000	A 88100	42-11-11			845	3600	A 8210
39-07-20			195	600	A 316	42-12-09			593	100	A 160
39-08-09			2730	19900	A 147000	43-02-04			616	900	A 1500
39-08-10			2700	11200	A 81600	43-04-23			611	9700	A 16000
39-08-17			365	1900	A 1870	43-04-27			849	5300	A 12100
39-08-23			538	2700	A 3920	43-04-28			734	11000	A 21800
39-08-29			352	8600	A 8170	43-07-09			584	2500	A 3940
39-10-12			230	5400	A 3350	44-01-28			373	2900	A 2920
40-02-21			135	100	A 36	44-03-24			890	6700	A 16100
40-04-08			120	9400	A 3050	44-05-02			2910	10100	A 79400
40-04-12	0001		740	20000	A 40000	44-05-10			694	7100	A 13300
40-04-12	0002		1100	20100	A 59700	44-05-24			814	3200	A 7030
40-04-15	0001		1380	13900	A 51800	44-06-09			7940	12900	A 277000
40-04-15	0002		1380	13800	A 51400	44-06-21			1930	6600	A 34400
40-04-16	0001		1970	25100	A 134000	44-07-04			620	2400	A 4020
40-04-16	0002		2030	24700	A 135000	44-07-12			344	1500	A 1390
40-04-17	0001		2460	18800	A 125000	44-07-19			359	800	A 775
40-04-17	0002		2440	17800	A 117000	44-08-02			580	4200	A 6580
40-05-02			1010	12300	A 33500	44-08-19			215	800	A 464
40-05-22			3480	22700	A 213000	44-08-31			420	2300	A 2610
40-05-23			1830	19800	A 97800	44-09-07			406	4500	A 5370
40-06-05			178	1300	A 625	44-09-21			165	400	A 178

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
44-10-07			2370	16200	A 104000	50-05-10			6200	6000	A 100000
44-10-19			200	400	A 216	50-05-12			19100	4300	A 222000
44-11-10			464	3900	A 4890	50-05-15			2500	5700	A 31700
44-11-18			233	500	A 315	50-05-23			1010	4100	A 11200
44-11-24			254	800	A 549	50-05-31			876	4600	A 10900
44-12-28			266	300	A 215	50-06-12			5370	6800	A 98600
45-01-12			258	300	A 209	50-07-21			8150	14600	A 321000
45-01-26			459	900	A 1120	50-07-24			5350	10100	A 146000
45-02-01			366	300	A 296	50-08-08			2850	4200	A 32300
45-02-09			321	300	A 260	50-08-16			716	600	A 1160
45-02-23			519	1500	A 2100	50-08-23			3070	3900	A 32300
45-03-03			4110	9600	A 107000	50-09-11			610	4400	A 7250
45-03-17			1610	6000	A 26100	50-09-14			5650	11300	A 172000
45-03-30			1000	3500	A 9450	50-10-04			1830	4000	A 19800
45-04-27			1920	6400	A 33200	50-11-29			262	400	A 283
45-05-25			578	500	A 780	51-02-20			1960	5600	A 29600
45-06-08			7560	11300	A 231000	51-05-01			11700	18500	A 584000
45-06-29			1190	1400	A 4500	51-05-03			1240	2500	A 8370
45-07-28			3110	10100	A 84800	51-05-20			17100	52700	A 2430000
45-08-10			918	17000	A 42100	51-05-22			16800	16200	A 735000
45-10-18			813	700	A 1540	51-05-23			20100	11800	A 640000
46-01-11			952	2200	A 5650	51-05-25			9970	12900	A 347000
46-06-07			1180	4600	A 14700	51-05-29			2730	7500	A 55300
46-07-12			899	3700	A 8980	51-06-05			1400	2200	A 8320
46-07-13			805	2300	A 5000	51-06-18			3370	6300	A 57300
46-10-08			226	300	A 183	51-06-26			1580	3300	A 14100
46-10-14			561	8300	A 12600	51-07-03			2410	5000	A 32500
46-10-15			698	5500	A 10400	51-08-21			165	500	A 223
46-10-29			234	400	A 253	52-04-21			1300	8900	A 31200
46-11-05			1680	5300	A 24000	52-05-01			1550	5400	A 22600
46-11-14			561	2400	A 3640	52-05-18			14600	12100	A 477000
46-12-11			6700	11400	A 206000	52-05-19			6000	12900	A 209000
46-12-13			1320	10100	A 36000	52-05-28			8080	14900	A 325000
46-12-18			444	1000	A 1200	52-06-04			939	3900	A 9890
47-01-23			357	400	A 386	52-07-16			2000	4700	A 25400
47-02-07			267	300	A 216	53-03-04			679	2000	A 3670
47-02-25			284	300	A 230	53-04-06			1250	11700	A 39500
47-03-11			256	200	A 138	53-07-20			3720	5700	A 57300
47-04-10			3270	13600	A 120000	53-07-21			2460	10500	A 69700
47-04-12			3040	9900	A 81300	53-07-22			3400	10400	A 95500
47-04-16			6880	15400	A 286000	53-10-23			16100	20200	A 878000
47-05-01			1210	4300	A 14000	53-10-24			2650	6230	A 44600
47-05-07			734	1700	A 3370	53-10-26			6940	13600	A 255000
47-05-13			6680	18500	A 334000	53-10-27			3380	9590	A 87500
47-05-18			12200	4700	A 155000	53-11-20			2170	5180	A 30300
47-05-18	0001		12800	3900	A 135000	54-04-28			756	6110	A 12500
47-05-19			15000	1900	A 77000	54-05-01			2780	10700	A 80300
47-05-21			9870	4300	A 115000	54-05-02			9560	15500	A 400000
47-05-28			3640	5600	A 55000	54-05-04			2340	10600	A 67000
47-06-02			11800	4200	A 134000	54-05-12			9000	13500	A 328000
47-06-04			6800	8000	A 147000	54-05-14			1920	4840	A 25100
47-06-17			1120	2300	A 6960	54-05-27			3370	23200	A 211000
47-06-24			9570	5500	A 142000	54-05-29			3920	10500	A 111000
47-07-01			1420	4600	A 17600	54-06-01			1940	6200	A 32500
47-07-09			732	2100	A 4150	54-06-17			563	1080	A 1640
47-07-29			390	800	A 842	55-04-26			1960	7680	A 40600
47-08-26			168	500	A 227	55-05-11			3240	16500	A 144000
47-09-09			114	400	A 123	55-05-13			2100	7850	A 44500
47-10-28			425	3100	A 3560	55-05-16			1270	6320	A 21700
47-12-09			1220	3700	A 12200	55-05-24			3400	7270	A 66700
47-12-16			287	500	A 387	55-05-31			1270	5720	A 19600
48-03-01			1120	5300	A 16000	55-08-11			1680	3680	A 16700
48-03-03			4290	14400	A 167000	55-08-15			1080	12900	A 37600
48-03-17			1120	4200	A 12700	55-09-26			3820	10900	A 112000
48-03-26			2100	22400	A 127000	55-10-04			7500	12700	A 257000
48-03-31			749	2000	A 4040	55-10-06			8510	15000	A 345000
48-04-26			2790	12800	A 96400	55-10-10			5790	10600	A 166000
48-05-11			2840	11800	A 90500	56-05-31			1820	5010	A 24600
48-05-12			1410	10100	A 38500	56-11-05			1140	4170	A 12800
48-05-18			1510	5500	A 22400	57-04-08			2330	4460	A 28100
48-05-19			693	5600	A 10500	57-04-22			3520	11000	A 105000
48-06-01			1820	8400	A 41300	57-04-26			8460	18900	A 432000
48-06-03			553	3000	A 4480	57-05-02			3560	10500	A 101000
48-06-21			5650	7700	A 117000	57-05-07			5950	7150	A 115000
48-06-24			11600	15600	A 489000	57-05-13			7200	20000	A 389000
48-07-01			1370	2700	A 9990	57-05-16			4220	7340	A 83600
49-02-07			1380	4900	A 18300	57-05-18			35300	4800	A 457000
49-02-16			1600	5200	A 22500	57-05-20			5770	6430	A 100000
49-05-17			1300	7400	A 26000	57-09-22			14600	8720	A 344000
49-05-21			12300	3200	A 106000	57-11-13			842	980	A 2230
49-05-22			17600	2000	A 95000	58-06-20			4900	15100	A 200000
49-05-22	0001		21400	2100	A 121000	58-06-21			7630	14400	A 297000
49-05-23			18700	1400	A 70700	59-05-09			1890	8180	A 41700
49-05-24			15900	2500	A 107000	59-05-12			2890	9870	A 77000
49-05-25			10400	11200	A 314000	59-06-01			4670	10800	A 136000
49-05-31			5750	7800	A 121000	59-07-31			3550	10600	A 102000
49-06-08			7980	5200	A 112000	59-09-26			7950	13400	A 248000
49-06-22			1120	1700	A 5140	59-09-28			3240	5840	A 51100
49-08-01			373	1200	A 1210	59-10-06			6910	13900	A 259000

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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

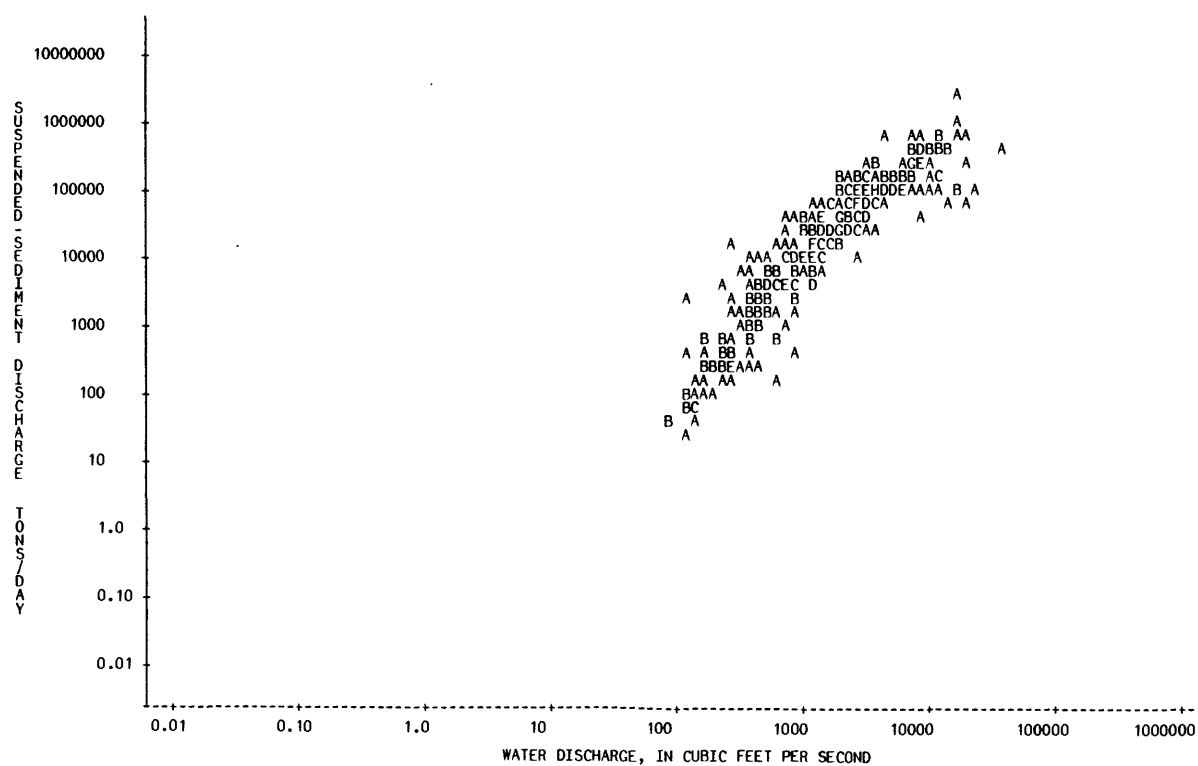
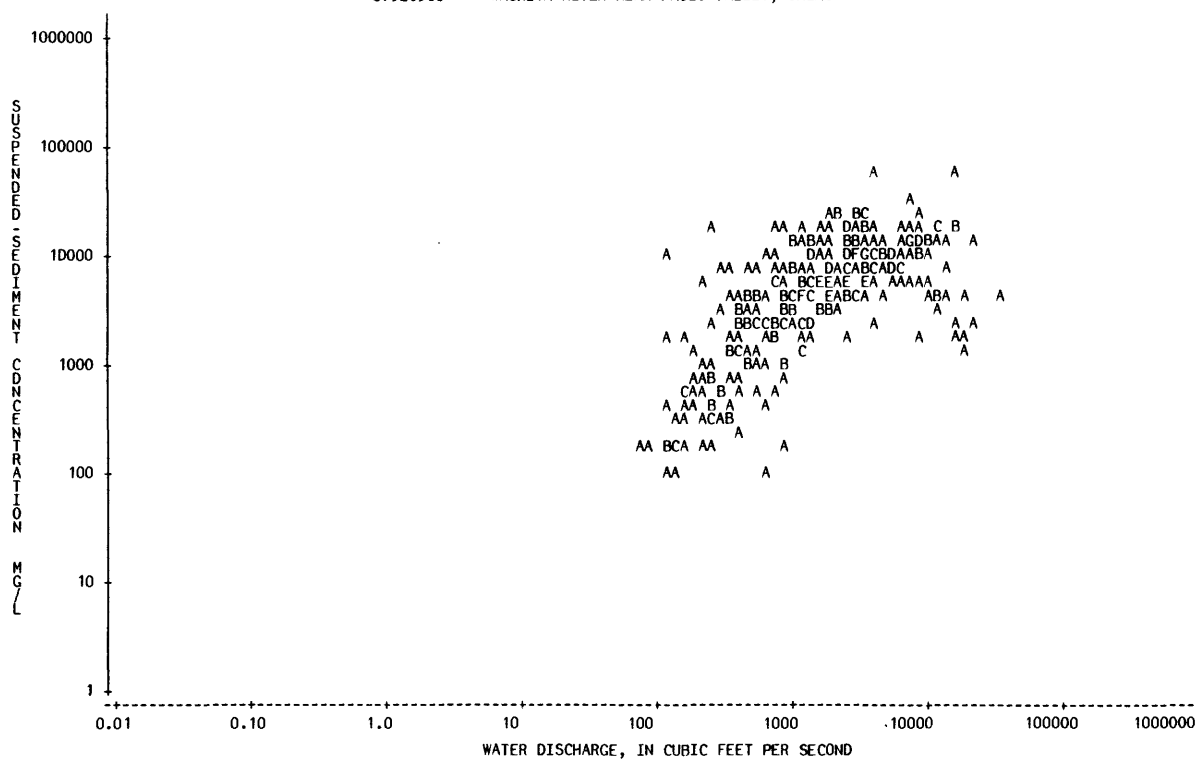
## RED RIVER BASIN

07328500 WASHITA RIVER NEAR PAULS VALLEY, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-07-27			1340	1950	A 7060						
60-10-24			1720	3500	A 16300						
61-03-30			3460	11600	A 108000						
61-05-17			1820	5840	A 28700						
61-06-08			1980	4910	A 26200						
61-06-09			2570	7000	A 48600						
61-06-12			2620	5270	A 37300						
61-07-22			8840	22200	A 530000						
61-07-24			2620	1560	A 11000						
61-09-13			6720	7320	A 133000						
61-09-15			4590	4350	A 53900						
61-10-02			1110	2670	A 8000						
61-11-02			1390	4000	A 15000						
61-11-07			4660	9000	A 113000						
61-11-22			2590	4610	A 32200						
61-12-01			802	2140	A 4630						
61-12-20			672	2700	A 4900						
62-05-29			3660	8530	A 84300						
62-05-31			2550	7870	A 54200						
62-06-02			8390	10300	A 233000						
62-06-12			5190	7380	A 103000						
62-06-19			2250	3450	A 21000						
64-05-11			5000	7350	A 99200						
64-05-14			2390	5010	A 32300						
64-09-22			2480	8520	A 57000						
64-11-18			3130	11300	A 95500						
65-12-29			1050	3860	A 10900						
66-09-15			2450	11000	A 72800						
67-04-12			3380	4480	A 40900						
67-04-13			5080	9320	A 128000						
68-05-13			4160	64700	A 727000						
68-06-01			11300	18000	A 549000						
68-06-03			1880	2810	A 14300						
68-06-27			399	530	A 571						
69-05-09			8010	10300	A 223000						
69-05-13			3810	8300	A 85400						
69-05-26			1240	1480	A 4960						
70-09-23			11400	11900	A 366000						
70-09-24			4160	7780	A 87400						
73-03-12			2460	5660	A 37600						
73-03-26			3220	8960	A 77900						
73-04-06			3010	4200	A 34100						
73-04-23			3960	2410	A 25800						
73-06-05			7400	33800	A 675000						
73-09-17			1450	5710	A 22400						
73-10-09			989	3200	A 8540						
74-03-12			3580	5760	A 55700						
74-06-07			3220	4980	A 43300						
74-11-19			1190	4880	A 15700						
75-07-02			1450	2210	A 8650						
75-07-30			8410	1830	A 41600						
75-08-26			816	1080	A 2380						
75-09-24			421	220	A 250						
75-10-28			347	4630	A 4340						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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07328500 WASHITA RIVER NEAR PAULS VALLEY, OKLA.



## RED RIVER BASIN

07329000 RUSH CREEK AT PURDY, OKLA.

LOCATION.--Lat 34°42', long 95°35', in NE 1/4 sec.26. T.3 N., R.4 W., Garvin County, Hydrologic Unit 11130303, at State Highway 76 bridge, 8.5 mi (13.6 km) south of Lindsay and 0.8 mi (1.3 km) south of Purdy, and at mile 26.1 (41.8 km).

DRAINAGE AREA.--145 mi<sup>2</sup> (375.6 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1940-49, 1951-54.

REMARKS.--

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
40-05-08			1000	47700	A 129000	45-12-07			35	1100	A 104
41-04-30			90	7000	A 1700	45-12-14			43	1300	A 151
42-09-24			232	6400	A 4010	45-12-22			39	800	A 84
42-11-05			75	3100	A 628	45-12-28			36	1800	A 175
43-05-08			120	8900	A 2880	46-01-04			37	900	A 90
43-05-20			166	7900	A 3540	46-01-05			187	3700	A 1870
43-05-21			93	2900	A 728	46-01-11			66	2400	A 428
43-05-22			87	2300	A 540	46-02-01			43	1100	A 128
44-01-27			34	600	A 55	46-02-15			52	1300	A 183
44-04-12			25	800	A 54	46-02-16			46	1900	A 236
44-05-02	0001		115	8300	A 2580	46-03-01			44	1200	A 143
44-05-02	0002		337	25900	A 23600	46-03-14			56	1400	A 212
44-05-03			35	1300	A 123	46-03-22			44	800	A 95
44-05-24			12	500	A 16	46-04-05			37	1100	A 110
44-05-27			224	15500	A 9370	46-04-13			33	1000	A 89
44-06-08			79	10500	A 2240	46-05-23			788	15500	A 33000
44-06-09			2540	44800	A 307000	46-05-24			81	1800	A 394
44-07-18			6.0	500	A 8.1	46-06-07			49	1000	A 132
44-07-26			17	1000	A 46	46-11-27			19	400	A 21
44-08-30			1120	32500	A 98300	46-12-11			5050	25100	A 342000
44-08-31			18	1300	A 63	47-02-07			18	200	A 9.7
44-11-10			10.0	100	A 2.7	47-03-12			23	300	A 19
44-11-24			16	1500	A 65	47-04-10			474	19200	A 24600
44-12-01			11	100	A 3.0	47-04-16			146	2300	A 907
45-01-19			33	1700	A 151	47-04-24			45	700	A 85
45-01-26			16	100	A 4.3	47-05-07			34	1400	A 129
45-02-09			17	400	A 18	47-05-12			1240	17600	A 58900
45-02-22			29	1400	A 110	47-05-19			66	1500	A 267
45-03-02			2150	55600	A 323000	47-06-05			40	1000	A 108
45-03-03			80	4600	A 994	47-06-23			149	5900	A 2370
45-03-08			44	1600	A 190	48-03-02			93	5200	A 1310
45-03-09			37	1400	A 140	49-02-16			57	5400	A 831
45-03-17			54	1900	A 277	50-10-04			36	300	A 29
45-03-23			52	1300	A 183	51-01-15			34	400	A 37
45-03-30			68	2700	A 496	51-02-06			40	700	A 76
45-04-06			32	1100	A 95	51-02-20			472	11500	A 14700
45-04-20			49	1600	A 212	51-03-01			25	400	A 27
45-04-27			39	1400	A 147	51-05-01			566	9500	A 14500
45-05-08			29	600	A 47	51-05-03			44	500	A 59
45-05-11			400	14200	A 15300	51-05-09			33	300	A 27
45-06-07			24	300	A 19	51-05-10			37	1100	A 110
45-06-08			970	21200	A 55500	51-05-21			97	2000	A 524
45-06-14			80	1600	A 346	51-05-25			81	1700	A 372
45-06-23			58	2200	A 345	51-05-29			56	1300	A 197
45-07-06			142	8000	A 3070	51-06-11			4580	26600	A 329000
45-07-20			29	300	A 23	51-06-12			158	2900	A 1240
45-07-27			741	12200	A 24400	51-06-18			51	400	A 55
45-08-03			27	200	A 15	51-06-26			40	200	A 22
45-08-11			56	1500	A 227	51-07-02			1480	20100	A 80300
45-09-28			8900	38500	A 925000	51-07-11			26	200	A 14
45-10-13			66	1200	A 214	51-07-23			32	500	A 43
45-10-17			62	1100	A 184	51-08-23			22	1700	A 101
45-10-26			47	500	A 63	52-03-19			28	1100	A 83

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07329000 RUSH CREEK AT PURDY, OKLA.--CONTINUED

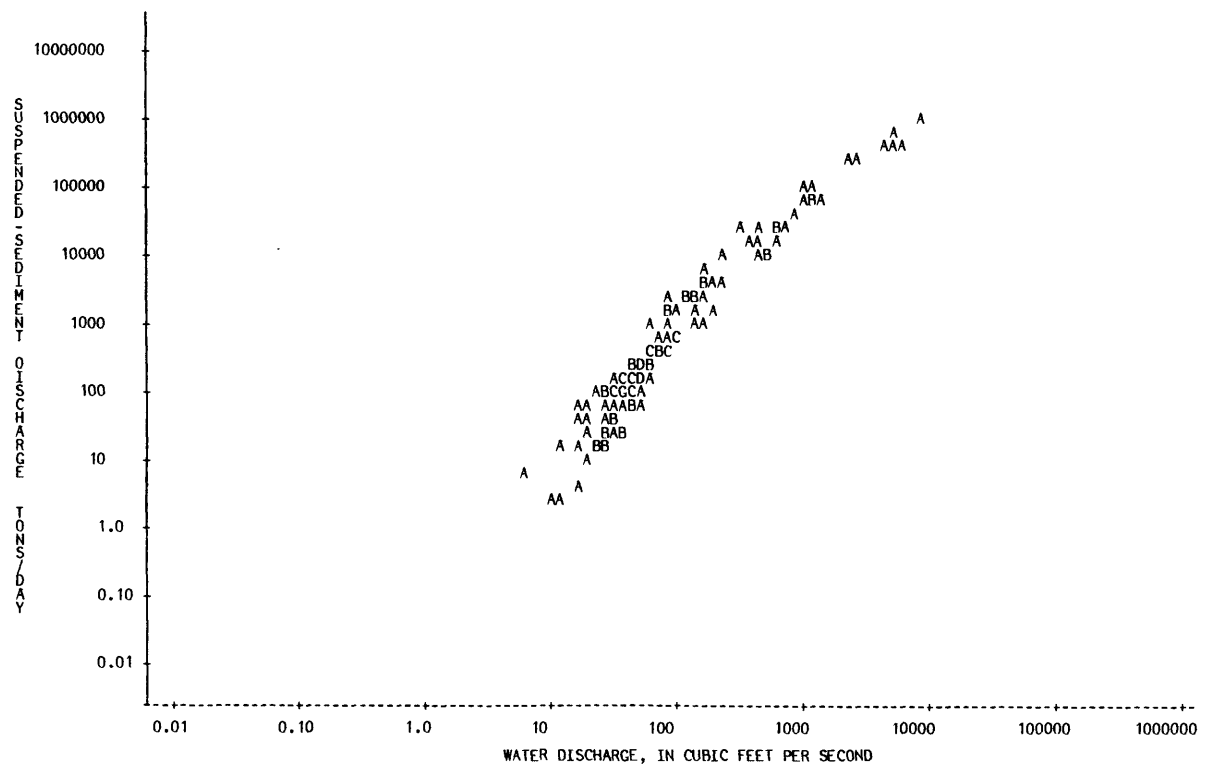
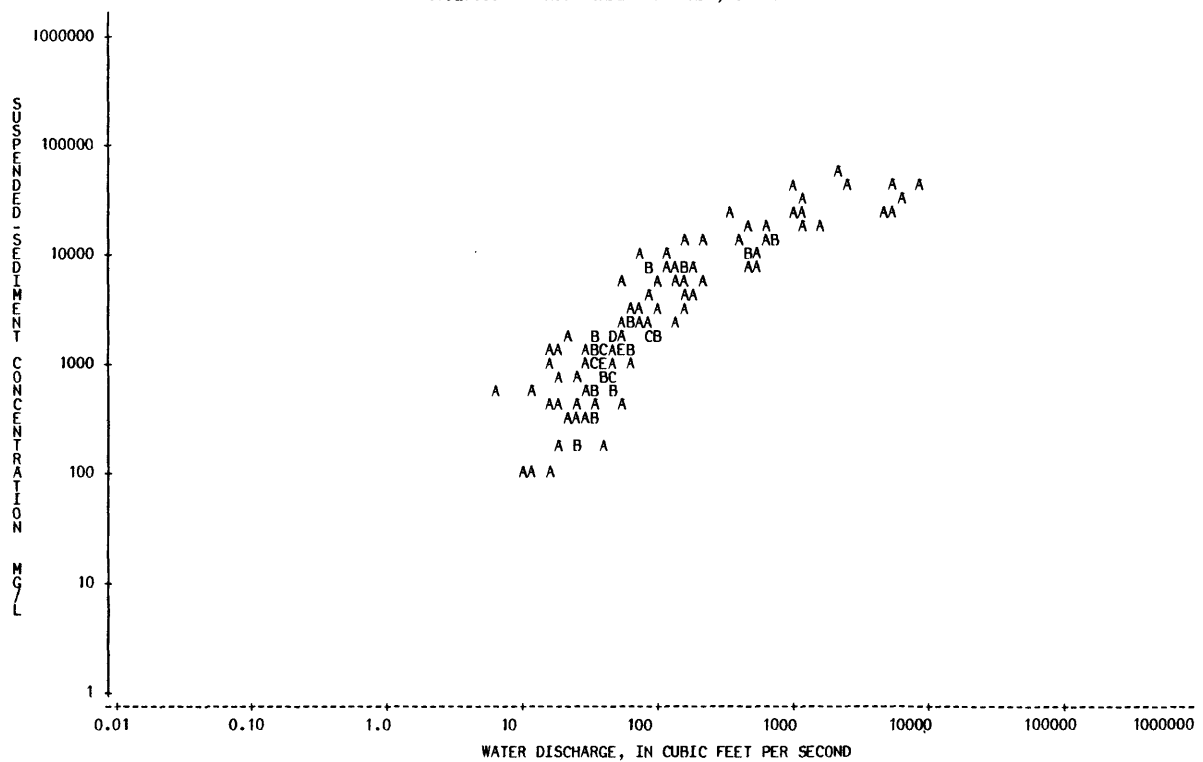
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
52-05-01			185	6600	A 3300						
52-05-17			6260	27800	A 470000						
52-05-18			558	8200	A 12400						
52-05-20			49	700	A 93						
52-05-28			476	7800	A 10000						
53-03-03			157	12600	A 5340						
53-03-04			20	800	A 43						
53-03-30			612	15900	A 26300						
53-04-05			1210	24200	A 79100						
53-05-12			164	8100	A 3590						
53-06-06			589	13800	A 21900						
53-07-08			88	6720	A 1600						
53-07-17			44	2050	A 244						
53-07-19			64	2900	A 501						
53-07-20			133	5000	A 1800						
53-10-23			490	9530	A 12600						
53-10-25			5600	48900	A 739000						
53-10-26			108	1990	A 580						
53-11-20			76	2090	A 429						
53-12-03			166	4750	A 2130						

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07329000 RUSH CREEK AT PURDY, OKLA.





## RED RIVER BASIN

07329500 RUSH CREEK NEAR MAYSVILLE, OKLA.

LOCATION.--Lat 34°44'36", long 97°24'18", in SW 1/4 SW 1/4 sec.10, T.3 N., R.2 W., Marshall County, near right bank on downstream side of pier of bridge on State Highway 74, 2.8 mi (4.5 km) downstream from Panther Creek, 5.3 mi (8.5 km) south of Maysville, and at mile 14.2 (22.8 km).

DRAINAGE AREA.--206 mi<sup>2</sup> (533 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-40, 1954-65, 1967-69, 1971-75, 1977.

REMARKS.--Initial upstream floodwater-retarding structure was completed in August 1959. Construction is continuing with 107 mi<sup>2</sup> (277 km<sup>2</sup>) currently controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
38-06-02			22	200	A	12	61-02-01		24	300	A	19
38-09-14			59	6800	A	1080	61-05-17		263	7790	A	5530
39-01-11			7.0	400	A	7.6	61-06-07		754	9050	A	18400
39-01-19			7.0	400	A	7.6	61-06-09		86	1450	A	337
39-04-01			9.0	600	A	15	61-09-15		69	860	A	160
39-05-19			13	700	A	25	61-10-02		78	2660	A	560
39-05-27			993	14800	A	39700	61-10-10		85	2480	A	569
39-05-28			49	2300	A	304	62-01-25		58	790	A	124
39-06-13			21	3500	A	198	62-05-21		61	1470	A	242
39-06-24			67	4900	A	886	62-05-29		699	10500	A	19800
39-07-20			2.0	400	A	2.2	62-06-02		1120	7810	A	23600
39-10-26			97	17900	A	4690	62-06-12		351	2730	A	2590
44-05-02			115	8300	A	2580	62-06-19		146	1660	A	654
53-03-04			20	800	A	43	62-07-12		97	780	A	204
54-04-15			62	3870	A	648	62-11-20		29	220	A	17
54-04-30			488	7650	A	10100	63-02-01		43	1920	A	223
54-05-02			1680	15900	A	72100	63-02-27		25	510	A	34
54-05-04			49	640	A	85	63-04-18		30	450	A	36
54-05-11			1210	22600	A	73800	63-04-30		52	740	A	104
54-05-12			3380	25300	A	231000	63-11-20		26	1850	A	130
54-05-13			200	2430	A	1310	64-06-02		27	820	A	60
54-05-27			365	12200	A	12000	64-08-18		175	10500	A	4960
55-02-04			229	8870	A	5480	64-09-22		624	9880	A	16600
55-03-21			50	3470	A	468	64-11-04		258	3590	A	2500
55-04-26			896	11600	A	28100	67-04-12		354	5480	A	5240
55-04-27			139	5960	A	2240	67-07-03		834	32200	A	72500
55-05-11			2920	24400	A	192000	68-06-01		2910	55200	A	434000
55-05-19			2720	19200	A	141000	68-06-11		76	2330	A	478
55-05-20			367	5820	A	5770	68-07-02		57	580	A	89
55-06-20			84	2130	A	483	68-09-04		1320	22000	A	78400
55-09-22			2400	18200	A	118000	69-02-26		55	410	A	61
55-09-23			176	5060	A	2400	69-04-09		35	260	A	25
55-09-26			831	16300	A	36600	69-04-30		39	250	A	26
55-09-27			41	1220	A	135	69-05-21		38	180	A	18
56-05-27			98	7110	A	1880	69-09-22		978	2400	A	6340
56-11-05			91	3680	A	904	70-10-05		42	1460	A	166
57-04-21			485	8700	A	11400	70-10-27		86	8100	A	1880
57-04-23			2220	21700	A	130000	71-06-02		42	1440	A	163
57-05-02			134	2360	A	854	72-05-15		78	920	A	194
57-05-16			47	520	A	66	72-11-09		27	150	A	11
57-05-25			4630	25400	A	318000	72-11-20		24	150	A	9.7
57-06-21			84	990	A	225	73-03-15		57	490	A	75
57-11-13			62	1020	A	171	73-03-24		941	5860	A	14900
58-05-02			121	2720	A	889	73-04-02		102	1720	A	474
58-06-21			2030	20000	A	110000	73-04-20		672	8160	A	14800
59-04-08			70	3440	A	650	73-04-23		660	1890	A	3370
59-05-09			527	11900	A	16900	73-05-14		37	150	A	15
60-04-20			35	1030	A	97	73-06-07		112	460	A	139
60-06-03			75	860	A	174	73-06-25		35	240	A	23
60-07-07			488	9650	A	12700	73-11-03		125	450	A	152
60-08-26			97	6390	A	1670	73-12-11		45	220	A	27
60-10-18			1370	8060	A	29800	74-02-21		109	1710	A	503
60-10-19			60	1720	A	279	74-03-11		128	900	A	311

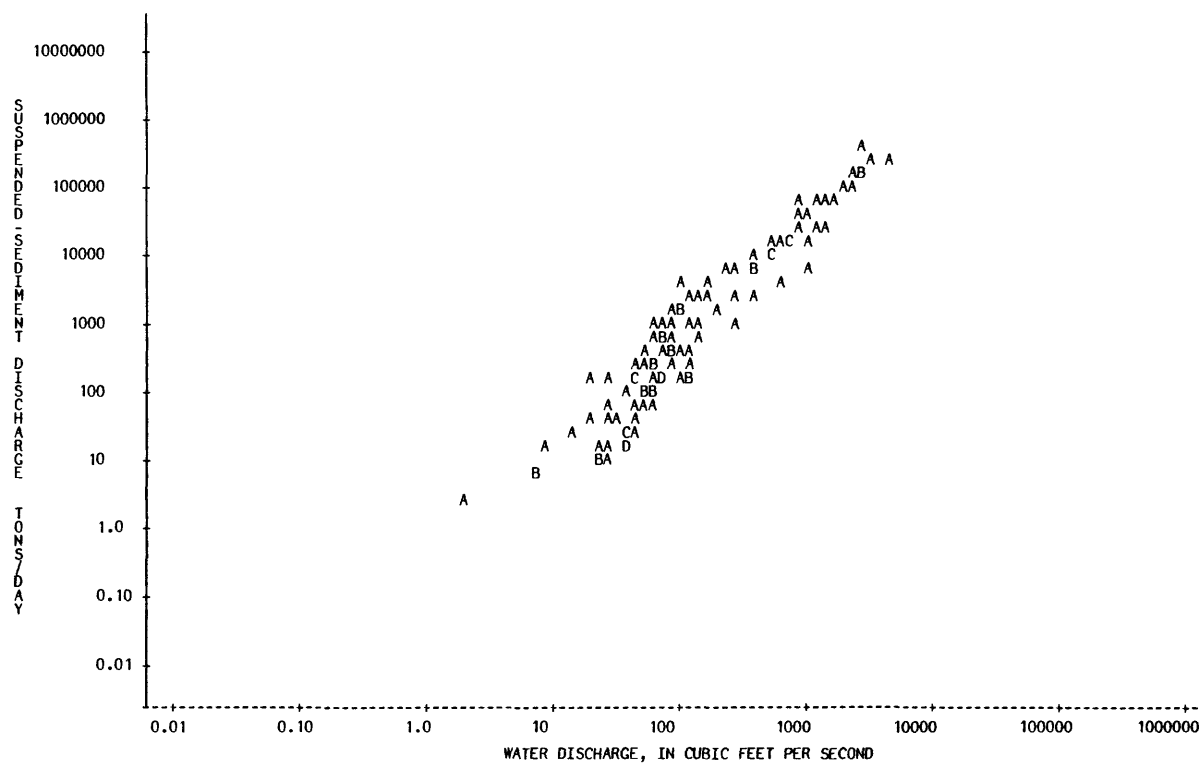
\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07329500 RUSH CREEK NEAR MAYSVILLE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-09-25			40	180	A 19
74-11-19			40	180	A 19
75-07-02			46	270	A 34
75-07-29			286	1190	A 919
77-09-16			67	1020	A 185

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07330500 CADD0 CREEK NEAR ARDMORE, OKLA.

LOCATION.--Lat 34°15', long 98°06', in NW 1/4 sec.4, T.4 S., R.2 E., Carter County, Hydrologic Unit 11130303, at county road bridge, 5 mi (8 km) north of Ardmore, and at mile 10.0 (16.1 km).

DRAINAGE AREA.--298 mi<sup>2</sup> (772 km<sup>2</sup>).

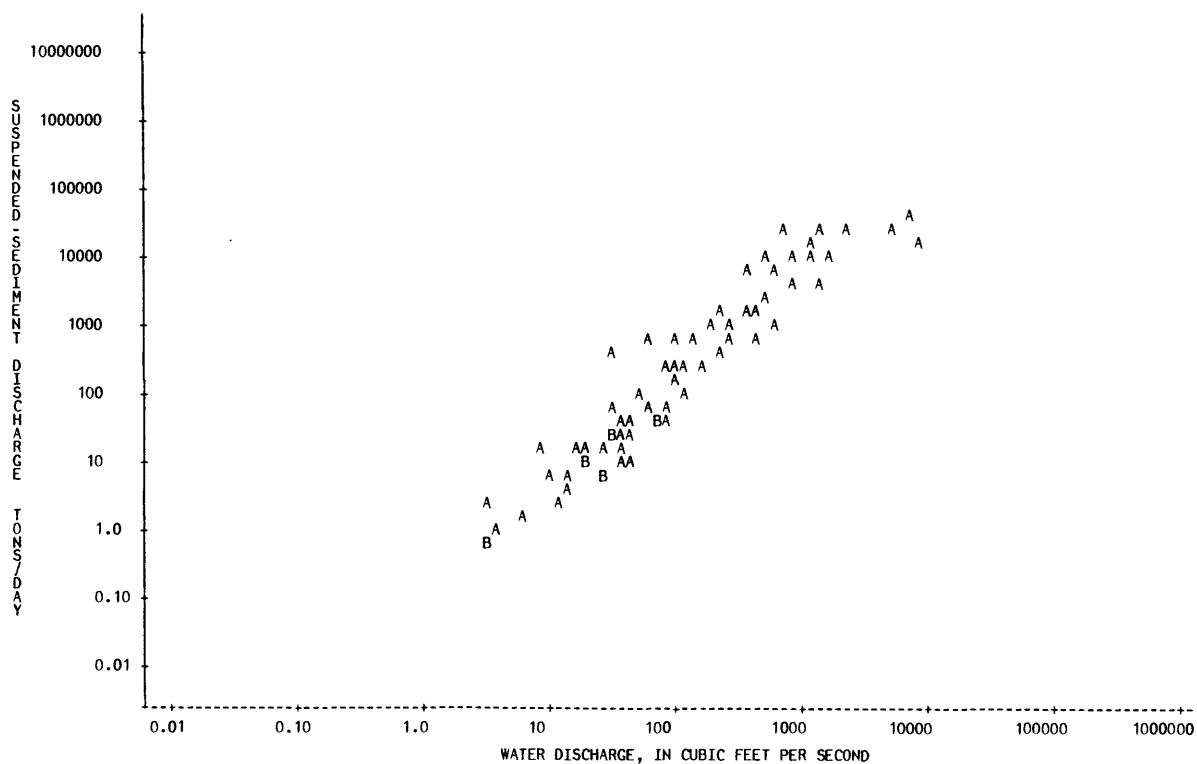
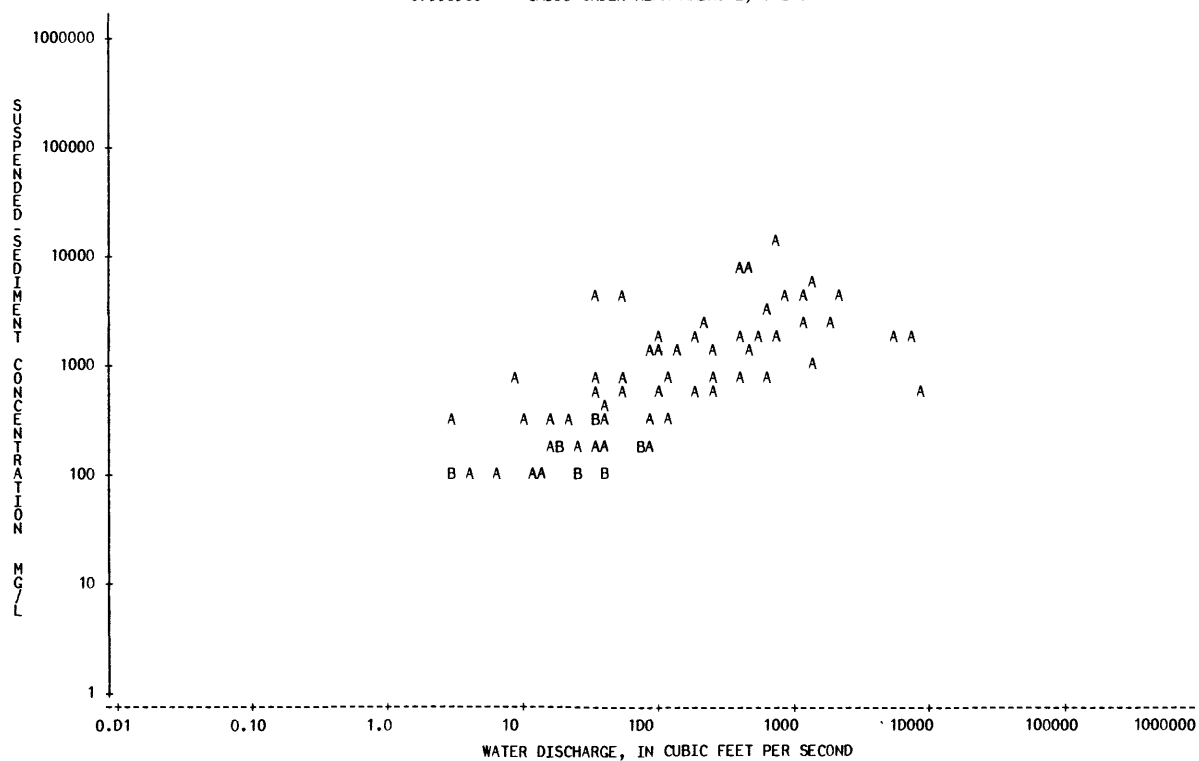
PERIOD OF RECORD.--Water years 1936-40, 1942, 1944-50.

REMARKS.--Initial upstream floodwater-retarding structure was completed in April 1965. By January 1971, 133.6 mi<sup>2</sup> (346 km<sup>2</sup>) was controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
36-06-09			33	300	A 27	47-08-13			19	200	A 10
36-06-15			13	100	A 3.5	47-12-09			15	200	A 8.1
36-06-22			4.0	100	A 1.1	48-01-06			26	100	A 7.0
36-06-29			3.0	100	A 0.81	48-02-16			42	200	A 23
36-07-02			32	4400	A 380	48-03-02			270	800	A 583
36-09-17			108	1800	A 525	48-03-17			37	100	A 10
36-10-16			11	100	A 3.0	48-05-13			116	700	A 219
36-10-27			122	300	A 99	49-02-07			97	1200	A 314
36-11-06			25	100	A 6.7	49-02-09			43	400	A 46
36-11-13			10.0	300	A 8.1	49-02-15			229	2300	A 1420
36-11-25			6.0	100	A 1.6	49-03-24			92	300	A 75
37-01-29			239	600	A 387	49-04-11			86	1300	A 302
38-05-23			398	6700	A 7200	49-04-29			612	3400	A 5620
39-01-09			58	3900	A 611	49-05-17			1190	2700	A 8680
39-05-08			17	300	A 14	49-10-25			785	1800	A 3820
39-06-12			696	14400	A 27100						
39-10-09			1300	6000	A 21100						
39-11-13			3.0	300	A 2.4						
39-12-01			3.0	100	A 0.81						
40-02-19			36	200	A 19						
40-07-25			36	500	A 49						
42-06-15			850	4400	A 10100						
44-02-17			488	8400	A 11100						
44-05-27			1170	4400	A 13900						
44-05-27	0001		2240	4200	A 25400						
44-10-07			8.0	700	A 15						
44-11-28			20	200	A 11						
45-03-01			1400	900	A 3400						
45-03-07			415	700	A 784						
45-03-21			596	800	A 1290						
45-06-08			252	1400	A 953						
45-07-10			6880	1900	A 35300						
45-07-26			27	200	A 15						
45-08-01			34	300	A 28						
45-08-17			43	100	A 12						
45-09-30			8540	600	A 13800						
46-03-11			58	500	A 78						
46-03-19			106	500	A 143						
46-03-27			1750	2100	A 9920						
46-04-09			196	1700	A 900						
46-04-23			444	1400	A 1680						
46-05-22			21	300	A 17						
46-06-04			74	200	A 40						
46-07-02			147	1300	A 516						
46-08-28			55	700	A 104						
46-11-26			40	300	A 32						
46-12-18			172	600	A 279						
47-04-09			71	200	A 38						
47-04-11			542	1900	A 2780						
47-04-15			5610	1900	A 28800						
47-05-22			404	1700	A 1850						
47-06-05			84	200	A 45						
47-07-02			34	800	A 73						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07330500 CADD0 CREEK NEAR ARDMORE, OKLA.



## RED RIVER BASIN

07331000 WASHITA RIVER NEAR DICKSON, OKLA.

LOCATION.--Lat 34°13'59", long 96°58'38", in SE 1/4 SW 1/4 sec.3, T.4 S., R.3 E., Carter County, Hydrologic Unit 11130303, on right bank 500 ft (152.4 m) upstream from bridge on U.S. Highway 177, 1.2 mi (1.9 km) downstream from Caddo Creek, 3.2 mi (5.1 km) north of Dickson, 12.0 mi (19.3 km) northeast of Ardmore, and at mile 63.5 (102.2 km).

DRAINAGE AREA.--7,202 mi<sup>2</sup> (18,653 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1930-31, 1936-80.

REMARKS.--Some diversions above station for irrigation. Some regulation since March 1959 by Fort Cobb Reservoir and since February 1961 by Foss Reservoir. Initial upstream floodwater-retarding structure was completed in July 1948. Construction is continuing with 2,029 mi<sup>2</sup> (5,255 km<sup>2</sup>) currently controlled below Foss, Fort Cobb and Arbuckle Reservoirs. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-09-08			330	700	A 624	31-03-13			510	200	A 275
30-09-11			340	400	A 367	31-03-17			510	100	A 138
30-09-15			240	400	A 259	31-03-20			8620	11700	A 272000
30-09-19			870	4900	A 11500	31-03-21			6300	6700	A 114000
30-09-23			263	700	A 497	31-03-23			2580	800	A 5570
30-09-25			190	500	A 256	31-03-27			4990	5600	A 75400
30-09-29			118	300	A 96	31-03-29			2050	3100	A 17200
30-10-07			245	200	A 132	31-03-30			1490	2600	A 10500
30-10-08			265	200	A 143	31-04-06			1190	900	A 2890
30-10-09			285	200	A 154	31-04-09			950	600	A 1540
30-10-14			3060	6700	A 55400	31-04-13			950	800	A 2050
30-10-17			990	3400	A 9090	31-04-16			790	1300	A 2770
30-10-21			755	6100	A 12400	31-04-20			1030	1800	A 5010
30-10-23			755	1900	A 3870	31-04-23			780	1700	A 3580
30-10-28			720	1100	A 2140	31-05-07			2760	4000	A 29800
30-10-31			422	1100	A 1250	31-05-11			1110	3200	A 9590
30-11-04			340	600	A 551	31-05-14			950	3500	A 8980
30-11-07			300	300	A 243	31-05-19			615	900	A 1490
30-11-11			300	300	A 243	31-05-25			1700	5000	A 23000
30-11-14			300	300	A 243	31-05-28			790	4900	A 10500
30-11-18			290	300	A 235	31-06-01			615	1200	A 1990
30-11-21			870	3900	A 9160	31-06-05			720	1300	A 2530
30-11-24			545	4500	A 6620	31-06-09			510	800	A 1100
30-11-27			480	1900	A 2460	31-06-11			450	800	A 972
30-12-02			870	2000	A 4700	31-06-15			395	1300	A 1390
30-12-05			6100	5900	A 97200	31-06-18			720	9900	A 19200
30-12-08			4090	2700	A 29800	31-06-22			335	1300	A 1180
30-12-11			1840	3300	A 16400	31-06-29			231	300	A 187
30-12-16			650	1700	A 2980	31-07-02			222	200	A 120
30-12-19			545	300	A 441	31-07-06			177	300	A 143
30-12-23			480	300	A 389	31-07-09			250	400	A 270
30-12-27			450	200	A 243	31-07-13			222	500	A 300
30-12-30			450	200	A 243	31-07-16			222	200	A 120
31-01-02			422	300	A 342	31-07-21			395	900	A 960
31-01-05			422	300	A 342	31-07-22			510	1000	A 1380
31-01-08			422	300	A 342	31-07-28			615	7800	A 13000
31-01-12			422	200	A 228	31-07-29			720	6300	A 12200
31-01-15			422	200	A 228	31-08-04			177	300	A 143
31-01-19			422	300	A 342	31-08-05			177	300	A 143
31-01-22			422	300	A 342	31-08-11			177	100	A 48
31-01-26			384	300	A 311	31-08-12			177	200	A 96
31-01-29			284	300	A 230	31-08-18			480	700	A 907
31-02-02			384	200	A 207	31-08-19			1030	8100	A 22500
31-02-05			395	200	A 213	31-08-25			208	400	A 225
31-02-09			2400	2100	A 13600	31-08-26			177	400	A 191
31-02-12			870	700	A 1640	31-09-01			177	200	A 96
31-02-13			1560	2000	A 8420	31-09-02			150	200	A 81
31-02-14			2120	1600	A 9160	31-09-08			330	2400	A 2140
31-02-20			650	300	A 526	31-09-09			250	800	A 540
31-02-24			5850	3400	A 53700	31-09-15			150	200	A 81
31-02-26			1840	1000	A 4970	31-09-16			150	200	A 81
31-03-03			720	300	A 583	31-09-22			110	200	A 59
31-03-06			650	300	A 526	31-09-23			110	100	A 30

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07331000 WASHITA RIVER NEAR DICKSON, OKLA.--CONTINUED

699

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
36-06-05			2000	6700	A	36-06-15			4400	9300	A
36-06-22			800	1600	A	36-06-29			600	1300	A
36-07-02			850	4400	A	36-07-06			400	600	A
36-07-17			275	200	A	36-08-11			130	100	A
36-08-24			100	200	A	36-08-28			99	100	A
36-09-03			95	100	A	36-09-17			1050	3900	A
36-10-02			385	100	A	36-10-06			900	3600	A
36-10-14			500	600	A	36-10-20			355	400	A
36-11-04			620	200	A	36-11-06			330	700	A
36-11-10			290	100	A	36-11-13			313	200	A
36-11-17			260	100	A	36-11-19			212	100	A
36-11-23			200	100	A	36-11-25			212	100	A
36-12-03			260	100	A	36-12-10			212	100	A
36-12-17			190	10	A	37-01-29			1900	2200	A
37-02-03			700	200	A	37-02-11			350	10	A
37-02-17			275	10	A	37-02-25			285	10	A
37-03-03			235	10	A	37-03-10			500	10	A
38-05-20			2324	4500	A	38-05-21			1936	4700	A
38-05-26			10700	4600	A	38-05-27			8104	1400	A
38-08-03			430	1600	A	38-08-30			164	100	A
38-09-20			595	2300	A	38-10-06			132	200	A
38-10-18			114	10	A	38-11-21			172	200	A
38-11-30			162	10	A	38-12-07			152	200	A
39-01-16			975	7700	A	39-01-23			292	2500	A
39-01-30			295	600	A	39-02-13			194	100	A
39-03-28			835	8900	A	39-04-24			219	4500	A
39-05-08			195	400	A	39-05-15			1529	6700	A
39-05-22			706	10200	A	39-05-29			586	1000	A
39-06-05			190	400	A	39-06-19			963	5400	A
39-07-05			2100	13000	A	39-08-07			121	100	A
39-08-14			562	4500	A	39-08-21			223	600	A
39-09-05			126	500	A	39-09-13			83	100	A
39-09-19			138	300	A	39-10-02			35	100	A
39-10-10			271	1900	A	39-10-16			101	800	A
39-10-23			43	100	A	39-11-07			49	300	A
39-11-13			58	300	A	39-12-01			79	400	A
40-04-11			1040	500	A	40-04-17			2309	13500	A
40-05-07			637	10600	A	40-05-29			5534	4600	A
40-07-04			12090	7300	A	40-07-25			604	1300	A
40-09-11			197	100	A	40-12-06			459	2100	A
41-02-10			634	10	A	41-02-20			2894	3800	A
41-06-11			20500	800	A	41-11-01			63550	1100	A
42-08-26			990	4200	A	42-09-07			1940	4600	A
42-09-15			1200	2800	A	42-09-18			3100	4200	A
42-09-22			2730	9100	A	42-09-28			1790	4600	A
42-10-19			2700	5500	A	42-11-17			1190	800	A
42-11-18			1210	4200	A	42-11-24			912	400	A
43-04-29			1170	6900	A	43-06-10			2510	9600	A
43-07-01			937	700	A	43-12-23			317	100	A
44-03-17			748	2500	A	44-03-20			5200	8100	A
44-05-28			6090	7800	A	44-06-01			1370	2900	A
44-06-15			11400	8200	A	44-06-22			2170	4200	A
44-06-30			2720	1080	A	44-07-02			905	1400	A
44-07-15			411	200	A	44-08-16			256	200	A
44-09-01			1100	8100	A	44-09-14			251	300	A
44-09-17			248	10	A	44-09-30			429	200	A
44-10-07			390	1000	A	44-11-15			324	400	A
44-11-29			509	1300	A	44-12-15			591	1300	A
45-02-01			566	200	A	45-02-23			2490	3900	A
45-03-02			7660	6800	A	45-03-08			3510	5800	A
45-03-12			10900	5200	A	45-03-14			8180	9500	A
45-03-16			44000	2500	A	45-03-20			25200	2100	A
45-03-23			3230	3400	A	45-03-31			5950	4300	A
45-04-12			5260	3000	A	45-05-02			2140	1400	A
45-05-12			20700	3100	A	45-05-17			2210	4000	A
45-06-13			29000	2400	A	45-06-14			19300	3000	A
45-07-18			3960	5200	A	45-08-17			2410	4000	A
45-09-28			23800	2900	A	45-09-29			24600	2900	A
45-10-02			46000	1000	A	45-10-03			28480	1800	A
45-10-04			19800	1000	A	45-10-08			3790	2600	A
45-10-10			3100	2600	A	45-10-16			1680	600	A
45-11-01			1020	200	A	46-01-02			663	100	A
46-01-08			2770	2000	A	46-02-01			1140	300	A
46-02-19			15700	2900	A	46-02-20			7300	4100	A
46-02-21			4300	2900	A	46-02-25			1900	500	A
46-03-11			1070	300	A	46-03-26			1470	1300	A
46-04-01			1580	600	A	46-04-09			1350	3700	A
46-04-23			1800	1900	A	46-05-01			1150	600	A
46-05-07			930	600	A	46-05-14			595	300	A
46-05-16			657	10	A	46-05-22			1850	6700	A
46-05-30			7740	14000	A	46-06-01			25600	4500	A
46-06-02			24300	4100	A	46-06-03			9455	9300	A
46-06-04			5360	9300	A	46-06-05			4250	6900	A
46-06-07			3720	8400	A	46-06-10			1418	2700	A
46-06-11			1230	2400	A	46-06-19			682	600	A
46-06-25			530	500	A	46-07-02			11300	8800	A
46-07-09			2960	6300	A	46-07-16			857	1500	A

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-08-09			313	300	A 254	49-05-02			16500	8300	A 370000
46-08-14			242	200	A 131	49-05-17			6260	11500	A 194000
46-08-21			886	1900	A 4550	49-05-25			17400	17500	A 822000
46-08-30			1210	2100	A 6860	49-05-26			13200	9000	A 321000
46-09-05			500	800	A 1080	49-05-27			14600	15200	A 599000
46-09-10			378	500	A 510	49-05-31			7650	22900	A 473000
46-09-27			376	900	A 914	49-06-01			6490	21500	A 377000
46-10-02			271	400	A 293	49-06-02			5200	13200	A 185000
46-10-15			968	6800	A 17800	49-06-03			4850	12300	A 161000
46-10-30			302	300	A 245	49-06-13			19100	5100	A 263000
46-11-05			1690	8800	A 40200	49-06-21			1700	2900	A 13300
46-11-06			6210	7100	A 119000	49-07-06			1190	2300	A 7390
46-11-19			459	1100	A 1360	49-07-20			568	700	A 1070
46-12-10			24600	3900	A 259000	49-08-02			496	800	A 1070
46-12-11			23200	5900	A 370000	49-08-16			472	900	A 1150
46-12-12			32300	2300	A 201000	49-09-27			266	200	A 144
46-12-13			19600	3700	A 196000	49-10-12			179	300	A 145
46-12-18			2800	1100	A 8320	49-11-01			623	100	A 168
47-01-07			538	300	A 436	49-11-09			323	400	A 349
47-01-22			622	300	A 504	49-11-23			294	200	A 159
47-01-31			546	200	A 295	49-11-30			260	10	A 7.0
47-02-14			521	200	A 281	49-12-07			254	100	A 69
47-02-24			469	300	A 380	49-12-20			277	100	A 75
47-03-11			465	200	A 251	49-12-30			296	10	A 8.0
47-03-25			504	200	A 272	50-01-09			715	100	A 193
47-04-09			1560	2500	A 10500	50-01-10			1360	10	A 37
47-04-11			6700	12000	A 217000	50-01-18			609	700	A 1150
47-04-15			25620	4900	A 339000	50-02-01			391	10	A 11
47-04-16			27220	3800	A 279000	50-02-02			401	400	A 433
47-04-17			14440	9900	A 386000	50-02-08			349	10	A 9.4
47-04-18			8235	11900	A 265000	50-02-18			992	1600	A 4290
47-04-21			4560	8200	A 101000	50-02-28			426	300	A 345
47-04-25			7430	22400	A 449000	50-03-02			439	600	A 711
47-05-01			2420	2800	A 18300	50-03-14			373	200	A 201
47-05-06			1550	3000	A 12600	50-03-28			282	200	A 152
47-05-21			27500	2400	A 178000	50-03-31			227	10	A 6.1
47-05-27			16400	6000	A 266000	50-04-11			115	200	A 62
47-05-29			6810	9700	A 178000	50-04-25			328	200	A 177
47-06-04			9730	11000	A 289000	50-04-29			4990	6000	A 80800
47-06-16			1740	4300	A 20200	50-05-01			2190	3200	A 18900
47-07-01			2185	4900	A 28900	50-05-10			23000	1480	A 91900
47-07-08			1380	2900	A 10800	50-05-11			46000	4400	A 546000
47-07-22			582	600	A 943	50-05-12			49100	2600	A 345000
47-08-13			441	1100	A 1310	50-05-18			2680	1900	A 13700
47-08-27			265	400	A 286	50-05-31			1950	4200	A 22100
47-09-09			182	300	A 147	50-06-12			8230	5400	A 120000
47-09-23			243	300	A 197	50-06-22			1940	1900	A 9950
47-10-14			193	300	A 156	50-06-29			615	1300	A 2160
47-10-28			1130	5600	A 17100	50-07-11			583	700	A 1100
47-11-12			184	200	A 99	50-07-25			6320	11000	A 188000
47-11-24			434	1200	A 1410	50-08-08			4830	5700	A 74300
47-12-02			226	300	A 183	50-08-17			1040	1000	A 2810
47-12-08			1560	4400	A 18500	50-08-22			2490	2600	A 17500
47-12-24			319	200	A 172	50-08-23			11300	4500	A 137000
47-12-30			344	300	A 279	50-08-24			10600	10300	A 295000
48-01-06			451	300	A 365	50-09-01			932	600	A 1510
48-02-05			417	300	A 338	50-09-06			848	500	A 1140
48-02-16			481	400	A 519	50-09-15			11100	9100	A 273000
48-02-27			13300	8600	A 309000	50-09-19			1380	1500	A 5590
48-03-31			1240	5100	A 17100	50-09-29			740	800	A 1600
48-04-01			1020	2400	A 6610	50-10-10			705	700	A 1330
48-04-12			592	500	A 799	50-10-16			586	600	A 949
48-04-26			547	400	A 591	50-10-30			442	100	A 119
48-05-12			5720	8000	A 124000	50-11-01			442	300	A 358
48-05-17			759	900	A 1840	50-11-13			405	300	A 328
48-06-02			2740	8200	A 60700	50-11-27			379	200	A 205
48-06-09			490	500	A 661	50-12-03			415	400	A 448
48-06-21			267	100	A 72	50-12-11			494	900	A 1200
48-07-06			2430	3500	A 23000	51-01-02			465	500	A 628
48-07-20			417	200	A 225	51-01-23			514	600	A 833
48-08-02			490	1500	A 1980	51-02-01			263	200	A 142
48-09-01			382	500	A 516	51-03-05			615	700	A 1160
48-09-13			161	10	A 4.3	51-04-16			435	100	A 117
48-09-27			137	10	A 3.7	51-05-02			10300	14500	A 403000
48-10-12			138	10	A 3.7	51-05-03			6090	10100	A 166000
48-11-09			828	7900	A 17700	51-05-10			858	1700	A 3940
48-11-30			193	100	A 52	51-05-13			442	200	A 239
48-12-06			186	300	A 151	51-05-21			25800	15400	A 1070000
48-12-21			176	200	A 95	51-05-22			24400	15300	A 1010000
48-12-30			184	10	A 5.0	51-05-23			21700	10500	A 615000
49-01-03			166	100	A 45	51-05-24			22100	19300	A 1150000
49-01-17			300	100	A 81	51-05-25			19800	10900	A 583000
49-02-01			381	200	A 206	51-06-27			1610	3600	A 15600
49-02-15			7890	11800	A 251000	51-07-03			5810	8000	A 125000
49-03-07			649	400	A 701	51-07-12			958	1000	A 2590
49-03-10			603	300	A 488	51-07-24			508	300	A 411
49-04-01			862	1000	A 2330	51-08-06			378	200	A 204
49-04-11			2030	5300	A 29000	51-08-14			335	500	A 452
49-04-27			463	100	A 125	51-08-15			436	800	A 942

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07331000 WASHITA RIVER NEAR DICKSON, OKLA.--CONTINUED

701

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
51-08-21	0001		245	400	A 265	53-09-23			68	110	A 20
51-08-21	0002		250	500	A 337	53-09-28			41	120	A 13
51-08-28			322	500	A 435	53-10-01			35	70	A 6.6
51-09-04			201	300	A 163	53-10-13			100	110	A 30
51-09-17			585	1100	A 1740	53-10-15			134	120	A 43
51-09-27			260	500	A 351	53-10-24			29200	4480	A 353000
51-10-02			213	400	A 230	53-10-25			7800	8800	A 185000
51-10-10			145	200	A 78	53-10-27			10300	14700	A 409000
51-10-15			189	200	A 102	53-10-29			6220	2390	A 40100
51-10-25			303	300	A 245	53-11-03			872	680	A 1600
51-10-29			1030	3300	A 9180	53-11-05			3000	6830	A 55300
51-11-14			250	400	A 270	53-11-16			399	870	A 937
51-11-27			238	200	A 129	53-12-01			427	470	A 542
51-12-12			252	400	A 272	53-12-04			3800	8560	A 87800
51-12-26			259	500	A 350	53-12-11			541	1630	A 2380
52-01-04			209	200	A 113	53-12-15			393	680	A 722
52-01-07			289	400	A 312	53-12-21			312	410	A 345
52-01-15			288	300	A 233	53-12-30			329	390	A 346
52-01-21			285	600	A 462	54-01-05			256	350	A 242
52-01-30			289	200	A 156	54-01-11			218	360	A 212
52-02-04			298	500	A 402	54-01-15			321	390	A 338
52-02-13			270	100	A 73	54-01-28			309	250	A 209
52-02-21			247	400	A 267	54-02-08			230	90	A 56
52-03-03			790	1100	A 2350	54-02-10			235	130	A 82
52-03-06			472	1700	A 2170	54-02-17			200	80	A 43
52-03-17			395	200	A 213	54-02-24			352	660	A 627
52-03-18			748	1300	A 2630	54-03-04			206	120	A 67
52-03-31			1820	5400	A 26500	54-03-11			191	80	A 41
52-04-14			430	3400	A 3950	54-03-16			170	120	A 55
52-04-21			6690	7800	A 141000	54-03-23			168	130	A 59
52-05-01			1420	3900	A 15000	54-03-31			378	1150	A 1170
52-05-12			353	500	A 477	54-04-14			426	850	A 978
52-05-19			15000	19200	A 778000	54-04-19			327	880	A 777
52-05-27			3400	9800	A 90000	54-04-28			5060	8060	A 110000
52-06-11			547	600	A 886	54-04-29			1830	3980	A 19700
52-06-23			269	300	A 218	54-04-30			10300	8250	A 229000
52-07-01			161	200	A 87	54-05-01			10400	7420	A 208000
52-07-08			155	100	A 42	54-05-03			11200	30400	A 919000
52-07-17			2970	11400	A 91400	54-05-04			6720	13100	A 238000
52-07-18			2700	5000	A 36500	54-05-06			3940	15700	A 167000
52-07-23			269	300	A 218	54-05-10			15500	21900	A 917000
52-08-01			113	200	A 61	54-05-11			19200	12100	A 627000
52-08-04			97	100	A 26	54-05-13			27000	8420	A 614000
52-08-18			70	100	A 19	54-05-14			7460	6130	A 123000
52-09-15			27	100	A 7.3	54-05-18			2990	8380	A 67700
52-10-01			14	100	A 3.8	54-05-25			1310	3120	A 11000
52-10-13			14	10	A 0.38	54-05-27			3260	5020	A 44200
52-10-27			12	100	A 3.2	54-06-01			3670	10500	A 104000
52-11-10			26	100	A 7.0	54-06-13			130	130	A 46
52-11-26			265	200	A 143	54-06-14			656	1180	A 2090
52-12-08			96	10	A 2.6	54-06-16			4060	6010	A 65900
52-12-22			152	10	A 4.1	54-07-01			422	400	A 456
53-01-19			104	10	A 2.8	54-07-20			91	70	A 17
53-02-18			137	200	A 74	54-07-30			49	160	A 21
53-02-27			165	200	A 89	54-08-05			86	140	A 33
53-03-04			155	10	A 4.2	54-08-17			23	80	A 5.0
53-03-10			245	1000	A 661	54-08-19			18	190	A 9.2
53-03-16			1280	7000	A 24200	54-08-31			16	140	A 6.0
53-03-18			2590	4500	A 31500	54-09-07			37	220	A 22
53-03-20			541	1200	A 1750	54-09-13			14	70	A 2.6
53-03-31			2850	16300	A 125000	54-09-28			7.0	100	A 1.9
53-04-06			2110	4800	A 27300	54-10-01			5420	4690	A 68600
53-04-08			1970	12000	A 63800	54-10-05			248	350	A 234
53-04-14			435	2200	A 2580	54-10-12			61	100	A 16
53-04-20			262	600	A 424	54-10-19			114	1590	A 489
53-04-24			6660	9900	A 178000	54-10-27			105	170	A 48
53-04-28			365	700	A 690	54-11-01			55	150	A 22
53-05-01			234	300	A 190	54-11-08			45	100	A 12
53-05-07			226	200	A 122	54-11-22			39	70	A 7.4
53-05-12			16700	4800	A 216000	54-11-30			44	120	A 14
53-05-13			2880	3500	A 27200	54-12-06			42	50	A 5.7
53-05-18			1590	3400	A 14600	54-12-20			85	40	A 9.2
53-06-01			153	200	A 83	55-01-03			349	640	A 603
53-06-09			1470	1300	A 5160	55-01-07			200	280	A 151
53-06-23			141	200	A 76	55-01-17			239	190	A 123
53-06-30			58	30	A 4.7	55-01-21			345	460	A 428
53-07-08			44	60	A 7.1	55-01-31			136	170	A 62
53-07-13			1080	4150	A 12100	55-02-04			177	250	A 119
53-07-20			19800	14300	A 764000	55-02-14			185	160	A 80
53-07-21			6090	9300	A 153000	55-02-28			201	120	A 65
53-07-22			3560	7440	A 71500	55-03-01			188	120	A 61
53-07-23			3800	10900	A 112000	55-03-14			113	70	A 21
53-07-28			1290	4660	A 16200	55-03-22			1770	6510	A 31100
53-07-31			485	1600	A 2100	55-03-31			217	260	A 152
53-08-10			174	300	A 141	55-04-04			221	250	A 149
53-08-19			1070	2250	A 6500	55-04-11			176	110	A 52
53-08-31			174	360	A 169	55-04-22			229	220	A 136
53-09-10			117	480	A 152	55-04-27			1440	3530	A 13700
53-09-15			77	160	A 33	55-05-02			188	810	A 411

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07331000 WASHITA RIVER NEAR DICKSON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)
55-05-09			98	120	A 32	57-08-07			353	310	A 295
55-05-12			3320	17800	A 160000	57-08-14			278	290	A 218
55-05-16			2280	7790	A 48000	57-08-27			178	160	A 77
55-05-20			26100	19800	A 1400000	57-08-30			159	80	A 34
55-05-21			22800	18300	A 1130000	57-09-11			187	170	A 86
55-05-22			17100	21800	A 1010000	57-09-23			7210	12100	A 236000
55-05-23			7890	17800	A 379000	57-10-02			582	500	A 786
55-05-24			5620	9700	A 147000	57-10-14			1480	2450	A 9790
55-05-31			2070	4880	A 27300	57-10-31			325	380	A 333
55-06-07			527	530	A 754	57-11-13			2280	730	A 4490
55-06-13			4030	16000	A 174000	57-12-10			422	300	A 342
55-06-30			563	2580	A 3920	57-12-18			454	320	A 392
55-07-20			270	280	A 204	57-12-30			506	350	A 478
55-07-27			246	570	A 379	58-01-28			872	560	A 1320
55-08-01			174	280	A 132	58-01-31			836	400	A 903
55-08-11			783	8690	A 18400	58-02-12			530	220	A 315
55-08-15			1420	14000	A 53700	58-02-20			501	270	A 365
55-08-22			235	690	A 438	58-02-24			470	360	A 457
55-09-07			105	270	A 77	58-02-28			470	220	A 279
55-09-21			66	160	A 29	58-03-13			1300	2170	A 7620
55-09-27			9760	13100	A 345000	58-03-19			732	400	A 791
55-09-30			1120	2790	A 8440	58-03-24			1530	2380	A 9830
55-10-06			11400	25600	A 788000	58-03-31			1930	2170	A 11300
55-10-10			5350	15200	A 220000	58-04-09			608	500	A 821
55-10-17			968	2070	A 5410	58-04-15			793	1250	A 2680
55-10-31			397	380	A 407	58-04-21			3310	6820	A 61000
55-11-14			290	250	A 196	58-05-01			842	680	A 1550
55-11-29			267	280	A 202	58-05-06			1900	2410	A 12400
55-12-21			252	140	A 95	58-05-21			824	960	A 2140
55-12-28			234	180	A 114	58-05-27			920	3080	A 7650
56-01-04			225	120	A 73	58-06-02			626	1170	A 1980
56-01-23			290	290	A 227	58-06-09			800	6100	A 13200
56-01-31			237	250	A 160	58-06-19			617	1890	A 3150
56-02-13			357	520	A 501	58-06-22			10100	17900	A 488000
56-02-23			308	420	A 349	58-06-23			4940	16100	A 215000
56-02-29			227	160	A 98	58-07-07			639	1480	A 2550
56-03-06			208	160	A 90	58-07-17			407	1500	A 1650
56-03-21			212	180	A 103	58-07-23			1950	6930	A 36500
56-03-30			148	110	A 44	58-08-13			560	810	A 1220
56-04-09			232	510	A 319	58-09-08			116	200	A 63
56-04-23			168	250	A 113	58-09-23			179	200	A 97
56-04-30			193	590	A 307	58-10-06			133	210	A 75
56-05-07			168	490	A 222	58-10-21			103	140	A 39
56-05-22			75	70	A 14	58-11-20			159	150	A 64
56-05-23			120	200	A 65	58-11-22			186	160	A 80
56-06-04			3120	11600	A 97700	59-01-06			134	370	A 134
56-06-13			298	700	A 563	59-01-19			184	200	A 99
56-07-02			82	40	A 8.9	59-01-22			150	170	A 69
56-07-09			43	90	A 10	59-02-13			248	160	A 107
56-07-17			68	130	A 24	59-03-04			168	170	A 77
56-07-19			47	70	A 8.9	59-04-13			219	220	A 130
56-08-01			102	60	A 17	59-04-20			1980	8790	A 47000
56-10-15			6.0	940	A 15	59-04-23			476	1640	A 2110
56-10-31			140	480	A 181	59-04-30			266	290	A 208
56-11-05			1680	2740	A 12400	59-05-07			269	330	A 240
56-11-16			83	250	A 56	59-05-12			3790	11300	A 116000
56-11-26			60	90	A 15	59-05-18			750	3040	A 6160
56-11-28			59	90	A 14	59-05-28			7830	33300	A 704000
56-12-11			104	120	A 34	59-06-01			4460	12900	A 155000
56-12-18			77	90	A 19	59-06-09	0001		1150	4450	A 13800
57-01-02			111	70	A 21	59-06-09	0002		1150	4450	A 13800
57-01-09			94	90	A 23	59-06-15	0001		635	2020	A 3460
57-01-22			116	200	A 63	59-06-15	0002		635	2020	A 3460
57-01-31			181	260	A 127	59-06-24			358	510	A 493
57-02-11			305	120	A 99	59-07-01			549	1710	A 2530
57-02-18			158	50	A 21	59-07-09			862	3640	A 8470
57-02-28			147	170	A 67	59-07-16			695	3630	A 6810
57-03-06			1130	1670	A 5100	59-07-22			476	2070	A 2660
57-03-13			258	140	A 98	59-07-31			2600	8170	A 57400
57-03-25			394	680	A 723	59-08-05			1180	3480	A 11100
57-04-01			3970	5830	A 62500	59-08-24			270	1000	A 729
57-04-04			6090	9360	A 154000	59-09-08			296	1050	A 839
57-04-17			452	1670	A 2040	59-09-22			131	100	A 35
57-04-22			17400	16900	A 794000	59-10-04			34000	14900	A 1370000
57-04-23			30400	15400	A 1260000	59-10-19			899	1520	A 3690
57-04-24			2000	10000	A 54000	59-10-25			855	1540	A 3560
57-04-27			17300	12600	A 589000	59-11-16			574	630	A 976
57-05-01			18300	14300	A 707000	59-12-14			386	670	A 698
57-05-07			6660	8820	A 159000	60-01-13			8680	8530	A 200000
57-05-15			10300	8060	A 224000	60-02-02			1050	1540	A 4370
57-05-18			71200	4160	A 800000	60-02-26			1180	1810	A 5770
57-05-19			89700	4380	A 1060000	60-03-09			1220	1960	A 6460
57-05-20			53600	5280	A 764000	60-03-21			1010	1100	A 3000
57-05-22			6760	6960	A 127000	60-04-01			1180	760	A 2420
57-05-23			7550	14000	A 285000	60-04-12			774	750	A 1570
57-06-14			2790	4410	A 33200	60-04-21			839	650	A 1470
57-07-01			1610	1970	A 8560	60-04-25			670	950	A 1720
57-07-08			935	1310	A 3310	60-05-02			974	3420	A 8990
57-07-31			690	780	A 1450	60-05-06			24100	24800	A 1610000

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07331000 WASHITA RIVER NEAR DICKSON, OKLA.--CONTINUED

703

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
60-05-09			1930	2800	A 14600	62-10-22			287	260	A 201
60-06-13			704	1150	A 2190	62-10-29			9420	16300	A 415000
60-06-23			387	1350	A 1410	62-10-30			3220	5990	A 52100
60-07-11			536	1060	A 1530	62-11-06			693	3170	A 5930
60-08-22			1980	10200	A 54500	62-11-19			443	340	A 407
60-09-01			262	150	A 106	62-11-30			1100	1830	A 5440
60-09-20			117	90	A 28	62-12-05			1600	2510	A 10800
60-10-04			216	90	A 52	62-12-10			661	600	A 1070
60-10-11			206	240	A 133	62-12-17			510	460	A 633
60-10-17			1940	4400	A 23000	62-12-21			4600	5340	A 66300
60-10-27			3150	4710	A 40100	62-12-31			702	380	A 720
60-10-31			2210	5540	A 33100	63-01-14			322	440	A 383
60-11-14			493	490	A 652	63-01-24			171	310	A 143
60-12-08			7820	7470	A 158000	63-01-28			281	10	A 7.6
60-12-21			801	7960	A 17200	63-01-31			435	480	A 564
60-12-30			799	890	A 1920	63-02-07			502	690	A 935
61-01-18			555	360	A 539	63-02-25			473	490	A 626
61-02-01			566	4230	A 6460	63-02-28			400	290	A 313
61-03-01			537	3480	A 5050	63-03-05			415	370	A 415
61-03-10			438	420	A 497	63-03-12			1620	4420	A 19300
61-03-21			883	770	A 1840	63-03-26			458	780	A 965
61-03-28			1390	2370	A 8890	63-04-01			4040	5400	A 58900
61-03-31			14700	2900	A 115000	63-04-08			957	1270	A 3280
61-04-06			1300	5660	A 19900	63-04-17			432	290	A 338
61-04-14			731	600	A 1180	63-04-22			377	240	A 244
61-04-25			503	7190	A 9760	63-04-29			3970	8530	A 91400
61-04-26			442	370	A 442	63-04-30			1970	3340	A 17800
61-05-01			425	5090	A 5840	63-05-06			696	2150	A 4040
61-05-16			405	230	A 252	63-05-13			340	610	A 560
61-05-23			2460	7620	A 50600	63-05-20			246	310	A 206
61-06-01			350	1450	A 1370	63-05-27			192	80	A 41
61-06-06			1140	2860	A 8800	63-05-31			241	150	A 98
61-06-09			4400	7930	A 94200	63-06-10			256	90	A 62
61-06-20			1450	3760	A 14700	63-06-18			508	640	A 878
61-06-26			820	1670	A 3700	63-06-28			1930	7850	A 40900
61-07-10			401	820	A 888	63-07-01			692	2680	A 5010
61-07-19			441	850	A 1010	63-07-08			169	410	A 187
61-07-24			3500	12600	A 119000	63-07-16			253	770	A 526
61-08-15			173	70	A 33	63-07-23			161	60	A 26
61-09-01			254	780	A 535	63-08-01			221	120	A 72
61-09-06			1300	6030	A 21200	63-08-26			16	260	A 11
61-09-15			4210	17200	A 196000	63-09-12			114	60	A 18
61-10-01			1130	3460	A 10600	63-09-24			246	1870	A 1240
61-10-20			979	5390	A 14200	63-11-26			128	270	A 93
61-11-02			562	3880	A 5890	64-01-21			119	180	A 58
61-11-06			3190	10900	A 93900	64-01-27			114	40	A 12
61-11-27			1280	1360	A 4700	64-01-30			135	90	A 33
61-12-01			951	1030	A 2640	64-02-11			260	310	A 218
61-12-15			916	780	A 1930	64-02-18			205	540	A 299
61-12-19			1440	1000	A 3890	64-02-26			147	80	A 32
62-01-02			767	640	A 1330	64-02-28			156	40	A 17
62-01-08			648	850	A 1490	64-03-11			260	1020	A 716
62-01-15			367	260	A 258	64-03-17			174	70	A 33
62-01-24			379	530	A 542	64-03-23			180	70	A 34
62-02-01			652	930	A 1640	64-03-30			134	90	A 33
62-02-09			515	750	A 1040	64-04-07			678	5000	A 9150
62-02-14			482	770	A 1000	64-04-13			177	400	A 191
62-02-20			634	520	A 890	64-04-14			179	310	A 150
62-02-21			504	740	A 1010	64-04-20			128	90	A 31
62-03-07			461	630	A 784	64-04-28			213	330	A 190
62-03-30			714	430	A 829	64-04-30			167	100	A 45
62-04-10			483	580	A 756	64-05-06			167	190	A 86
62-04-17			521	550	A 774	64-05-11			15300	14300	A 591000
62-04-27			2120	5110	A 29200	64-05-13			2600	6770	A 47500
62-04-30			1590	2460	A 10600	64-05-18			1040	3380	A 9490
62-05-09			480	810	A 1050	64-05-26			288	500	A 389
62-05-14			372	600	A 603	64-06-01			1840	3680	A 18300
62-05-25			289	510	A 398	64-06-08			369	820	A 817
62-05-31			3430	8250	A 76400	64-06-22			577	1160	A 1810
62-06-01			11600	14400	A 451000	64-08-17			241	440	A 286
62-06-04			6410	15100	A 261000	64-09-11			19	10	A 0.51
62-06-08			6360	18000	A 309000	64-09-25			677	2020	A 3690
62-06-10			17600	26500	A 1260000	64-09-30			629	1040	A 1770
62-06-11			12000	18000	A 583000	64-10-07			198	1100	A 588
62-06-12			7840	8240	A 174000	64-10-20			91	320	A 79
62-06-19			14300	18000	A 695000	64-11-06			1480	3990	A 15900
62-06-29			1440	1080	A 4200	64-11-17			4490	5600	A 67900
62-07-11			503	360	A 489	64-11-19			22600	13000	A 793000
62-07-16			1590	5700	A 24500	64-12-01			637	750	A 1290
62-07-31			1050	2550	A 7230	64-12-14			505	410	A 559
62-08-10			425	1430	A 1640	64-12-16			448	340	A 411
62-08-20			188	150	A 76	64-12-22			408	440	A 485
62-08-30			127	90	A 31	64-12-30			356	340	A 327
62-09-10			357	600	A 578	65-01-11			349	300	A 283
62-09-17			1210	3840	A 12500	65-01-15			354	220	A 210
62-09-24			2120	7390	A 42300	65-01-28			507	420	A 575
62-10-01			617	960	A 1600	65-01-29			515	220	A 306
62-10-10			420	730	A 828	65-02-15			552	380	A 566
62-10-17			356	200	A 192	65-03-01			540	260	A 379

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
65-03-15			438	130	A 154	67-11-06			157	260	A 110
65-03-30			341	280	A 258	67-12-18			221	140	A 84
65-03-31			343	220	A 204	67-12-28			115	140	A 43
65-04-05			439	320	A 379	68-01-23			806	740	A 1610
65-04-15			1080	1170	A 3410	68-01-29			962	1010	A 2620
65-04-26			381	870	A 895	68-02-08			430	220	A 255
65-04-30			340	300	A 275	68-02-15			265	170	A 122
65-05-13			469	800	A 1010	68-02-19			257	160	A 111
65-05-18			1110	1320	A 3960	68-02-27			377	220	A 224
65-05-25			482	960	A 1250	68-03-08			287	190	A 147
65-05-27			3670	7210	A 71400	68-03-15			1760	1810	A 8600
65-06-01			624	1160	A 1950	68-03-28			755	530	A 1080
65-06-14			698	1740	A 3280	68-04-08			391	140	A 148
65-06-15			551	1120	A 1670	68-04-17			288	110	A 86
65-06-24			587	1750	A 2770	68-04-24			1050	1660	A 4710
65-06-30			1060	4860	A 13900	68-04-26			661	1380	A 2460
65-07-08			253	620	A 424	68-05-08			245	280	A 185
65-07-14			121	70	A 23	68-05-14			22200	5070	A 304000
65-08-12			228	1570	A 966	68-05-15			8540	6440	A 148000
65-08-31			508	4500	A 6170	68-05-20			3520	2690	A 25600
65-09-09			112	500	A 151	68-05-28			1880	3430	A 17400
65-09-24			2860	8560	A 66100	68-06-03			9480	5930	A 152000
65-09-25			4300	6970	A 80900	68-06-14			1420	1260	A 4830
65-09-26			4760	6060	A 77900	68-06-27			1190	890	A 2860
65-09-30			2300	6400	A 39700	68-07-08			2270	4590	A 28100
65-10-06			1930	4560	A 23800	68-07-24			1290	2020	A 7040
65-10-15			696	1500	A 2820	68-07-29			1090	9580	A 28200
65-10-27			1730	7190	A 33600	68-08-08			231	90	A 56
65-11-01			937	3050	A 7720	68-08-16			273	350	A 258
65-11-08			506	900	A 1230	68-08-26			416	2790	A 3130
65-11-17			383	520	A 538	68-08-27			400	1780	A 1920
65-11-22			346	390	A 364	68-09-10			425	1000	A 1150
65-11-30			301	230	A 187	68-09-18			229	160	A 99
65-12-06			229	300	A 185	68-09-25			3940	6780	A 72100
65-12-15			277	10	A 7.5	68-10-04			343	220	A 204
65-12-20			252	190	A 129	68-10-07			504	630	A 857
65-12-30			1040	4640	A 13000	68-10-15			1120	3270	A 9890
66-01-04			459	1160	A 1440	68-10-28			284	290	A 222
66-01-18			287	320	A 248	68-11-25			452	900	A 1100
66-01-19			308	300	A 249	68-11-28			614	650	A 1080
66-02-01			240	430	A 279	68-12-06			1060	830	A 2380
66-02-15			644	940	A 1630	68-12-17			438	240	A 284
66-03-01			338	470	A 429	68-12-26			549	350	A 519
66-03-08			291	470	A 369	69-01-06			593	220	A 352
66-03-15			650	2260	A 3970	69-01-15			410	300	A 332
66-03-21			465	2380	A 2990	69-01-20			1020	1060	A 2920
66-03-31	0001		293	350	A 277	69-01-27			464	270	A 338
66-03-31	0002		293	360	A 285	69-02-06			941	420	A 1070
66-04-07			228	110	A 68	69-02-12			498	230	A 309
66-04-14			200	100	A 54	69-02-18			1770	1070	A 5110
66-04-20			181	100	A 49	69-02-25			2790	1800	A 13600
66-05-09			430	360	A 418	69-03-12			1540	1130	A 4700
66-05-23			212	150	A 86	69-03-26			3030	2020	A 16500
66-05-24			195	130	A 68	69-04-03			1060	450	A 1290
66-05-31			176	10	A 4.8	69-04-15			792	300	A 642
66-06-14			226	320	A 195	69-04-22			1880	1080	A 5480
66-06-22			147	400	A 159	69-04-25			1420	1210	A 4640
66-06-30			61	10	A 1.6	69-05-06			8320	3900	A 87600
66-07-27			243	1600	A 1050	69-05-07			24100	8160	A 531000
66-08-16			301	1870	A 1520	69-05-14			4920	6080	A 80800
66-08-22			4410	10700	A 127000	69-05-27			1800	1760	A 8550
66-08-31			314	680	A 577	69-06-25			696	810	A 1520
66-09-12			180	370	A 180	69-07-16			180	140	A 68
66-09-15			157	190	A 81	69-07-22			143	140	A 54
66-09-26			124	80	A 27	69-07-28			217	180	A 105
66-09-30			258	380	A 265	69-08-27			336	330	A 299
66-10-18			104	40	A 11	69-09-10			322	4660	A 4050
66-10-31			76	30	A 6.2	69-09-25			1240	3510	A 11800
66-11-15			78	40	A 8.4	69-10-08			249	120	A 81
66-12-29			115	130	A 40	69-10-14			1500	1840	A 7450
67-03-31			149	70	A 28	69-10-27			217	90	A 53
67-04-13			18300	6730	A 333000	69-11-04			200	90	A 49
67-04-14			10100	7530	A 205000	69-11-25			190	100	A 51
67-04-20			1180	1770	A 5640	69-12-10			231	130	A 81
67-05-02			343	320	A 296	69-12-23			196	130	A 69
67-05-08			1200	2980	A 9660	70-01-26			327	250	A 221
67-05-15			317	240	A 205	70-02-10			197	50	A 27
67-05-23			404	1440	A 1570	70-02-24			289	30	A 23
67-05-31			9330	14000	A 353000	70-03-10			421	130	A 148
67-06-05			697	1390	A 2620	70-03-25			521	140	A 197
67-06-29			774	1640	A 3430	70-04-09			359	40	A 39
67-07-06			789	1380	A 2940	70-04-27			1720	1000	A 4640
67-07-31			102	130	A 36	70-05-07			985	1110	A 2950
67-09-11			137	170	A 63	70-05-12			439	460	A 545
67-09-29			246	720	A 478	70-05-25			251	110	A 75
67-10-03			170	360	A 165	70-06-11			333	480	A 432
67-10-13			150	1220	A 494	70-06-25			213	240	A 138
67-10-16			237	1350	A 864	70-07-27			23	70	A 4.3
67-10-31			746	870	A 1750	70-09-25			9040	7200	A 176000

\*\*\*\*\*  
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SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE					
DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SEDIMENT CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
70-10-15			4480	1170	A 14200	75-08-12			2290	1560	A 9650
70-10-26			2660	830	A 5960	75-09-10			588	740	A 1170
70-11-09			333	180	A 162	75-10-10			448	6230	A 7540
70-11-24			279	270	A 203	75-10-23	1430		696	465	874
70-12-28			221	170	A 101	75-11-12			3820	750	A 7740
71-01-12			360	70	A 68	75-11-24			694	1220	A 2290
71-01-25			228	250	A 154	75-11-26			694	1220	A 2290
71-02-11			198	230	A 123	75-12-12			1330	310	A 1110
71-02-23			1010	2250	A 6140	75-12-22	1200		535	60	87
71-03-10			330	160	A 143	75-12-23			539	1490	A 2170
71-03-26			185	220	A 110	76-01-12			516	140	A 195
71-04-26			551	470	A 699	76-02-11			436	110	A 129
71-05-25			643	2340	A 4060	76-02-25	1830		504	233	317
71-05-26			310	890	A 745	76-03-17			933	1030	A 2590
71-06-15			746	1210	A 2440	76-03-23	1530		531	213	305
71-06-24			270	130	A 95	76-04-13			434	390	A 457
71-07-12			186	210	A 105	76-04-13	1200		417	172	194
71-09-27			1430	8800	A 34000	76-05-13			5950	5890	A 94600
71-10-13			368	1280	A 1270	76-05-13	1500		5490	5610	83200
71-10-26			369	230	A 229	76-06-30	1300		478	101	130
71-11-17			239	370	A 239	76-07-12			240	300	A 194
71-11-23			210	220	A 125	76-07-16	1130		228	387	238
71-12-27			616	530	A 881	76-08-11	0001		213	350	A 201
72-01-10			397	340	A 364	76-08-11	0002		213	430	A 247
72-02-29			242	180	A 118	76-08-25	1000		67	26	4.7
72-03-27			173	360	A 168	76-09-27	1200		250	301	203
72-04-24			450	1140	A 1390	76-10-12			207	200	A 112
72-05-15			2360	1660	A 10600	76-10-15			212	150	A 86
72-05-25			355	440	A 422	76-10-26	1330		164	32	14
72-06-26			184	250	A 124	76-11-24	0700		210	45	26
72-10-26			278	500	A 375	76-12-13			265	340	A 243
72-11-01			18360	3400	A 169000	76-12-27	1230		230	70	43
72-11-14			3710	2410	A 24100	77-01-31	1100		298	163	131
72-11-27			359	100	A 97	77-02-14			828	630	A 1410
73-01-17			21300	520	A 29900	77-02-22	1200		351	134	127
73-01-26			4210	5790	A 65800	77-03-15			438	270	A 319
73-02-23			526	170	A 241	77-04-12			302	420	A 342
73-03-26			6820	7850	A 145000	77-04-26	1130		1240	500	1670
73-04-11			1960	2460	A 13000	77-05-31			992	1850	A 4960
73-04-23			34600	4220	A 394000	77-06-13			1940	1300	A 6810
73-04-26			8930	4100	A 98900	77-06-27	1210		1050	581	1650
73-05-24			661	170	A 303	77-07-28	1300		209	80	45
73-06-11			2340	2100	A 13300	77-08-25	1715		448	1050	1270
73-06-25			1680	690	A 3130	77-09-20			221	90	A 54
73-07-09			487	330	A 434	77-09-28	1200		160	112	48
73-07-26			1360	2610	A 9580	77-10-25	1245		335	120	A 109
73-08-13			519	490	A 687	77-11-01	1500		434	253	296
73-09-12			2680	3470	A 25100	77-11-21			229	750	A 464
73-10-17			4730	2430	A 31000	77-11-21	1230		229	750	A 464
73-12-12			1400	320	A 1210	77-12-22	1420		188	130	A 66
74-01-25	1000		625	171	A 289	78-01-03	1600		196	63	33
74-02-12			503	270	A 367	78-01-24	1405		257	190	A 132
74-02-20	1040		504	220	A 299	78-02-08	1345		248	128	86
74-03-11			4260	4510	A 51900	78-03-13	1215		438	230	272
74-03-21	1030		1170	904	A 2860	78-04-07	0830		717	241	467
74-04-11			604	580	A 946	78-05-18	1320		229	162	100
74-04-17	1130		555	414	A 620	78-05-23	1850		4280	A 21400	
74-05-16			1010	420	A 1150	78-05-23	1300		1850	4280	A 21400
74-05-23	1100		567	141	A 216	78-06-05	1500		4350	3550	41700
74-06-12			2630	3250	A 23100	78-07-05	1330		619	405	677
74-06-21	1015		901	160	A 389	78-08-17	1130		228	319	196
74-07-03	1005		261	177	A 125	78-09-13	1430		168	242	110
74-07-15			168	110	A 50	78-12-20			158	200	85
74-08-07	1115		146	303	A 119	79-01-22	1515		619	2000	3340
74-08-13			1790	3510	A 17000	79-02-27	1400		284	196	150
74-09-12			609	1050	A 1730	79-03-20	1430		3660	2100	20800
74-09-18	0930		731	394	A 778	79-04-02	1430		1020	1700	4680
74-09-25			20000	2060	A 111000	79-05-14	1250		802	398	862
74-09-26			1330	1950	A 7000	79-06-13	1515	10800	6950	203000	
74-10-15			836	430	A 971	79-07-10	1455		738	346	689
74-10-24			423	170	A 194	79-08-01	1455		900	2020	4910
74-11-12			3820	1180	A 12200	79-08-23	1300		792	890	A 1900
74-11-22	1200		3740	1420	A 14300	79-09-04	1445		1180	1170	3730
74-12-03	1300		1890	610	A 3110	79-09-25	1300		173	40	A 19
74-12-12			933	163	A 411	79-10-25	1430		151	271	110
74-12-23			1330	550	A 1980	79-11-19	1600		162	136	59
75-01-07	1100		811	240	A 526	79-12-19	1300		220	123	73
75-01-13			1640	877	A 3880	80-01-24	1440		592	2250	3600
75-01-13			1070	420	A 1210	80-01-24	1500		592	72	115
75-02-12			1860	450	A 2260	80-02-22	1730		327	179	158
75-03-12			2610	3190	A 22500	80-02-22	1735		327	90	A 79
75-04-15	1200		2350	940	A 5960	80-03-26	1230		287	62	48
75-04-16			2580	870	A 6060	80-03-26	1232		287	80	A 62
75-05-12			1700	1520	A 6980	80-04-11	1500		258	34	24
75-05-27	1200		9500	1120	A 28700	80-05-21	1100		4390	5090	60300
75-06-11			16400	20	A 886	80-06-24	1245		1730	1660	7750
75-06-25	1130		6440	903	A 15700	80-07-10	1400		658	69	123
75-07-14			1280	590	A 2040	80-07-23	1230		198	40	A 21
75-07-22	1035		928	135	A 338	80-08-21	1430		61	37	6.1

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

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## RED RIVER BASIN

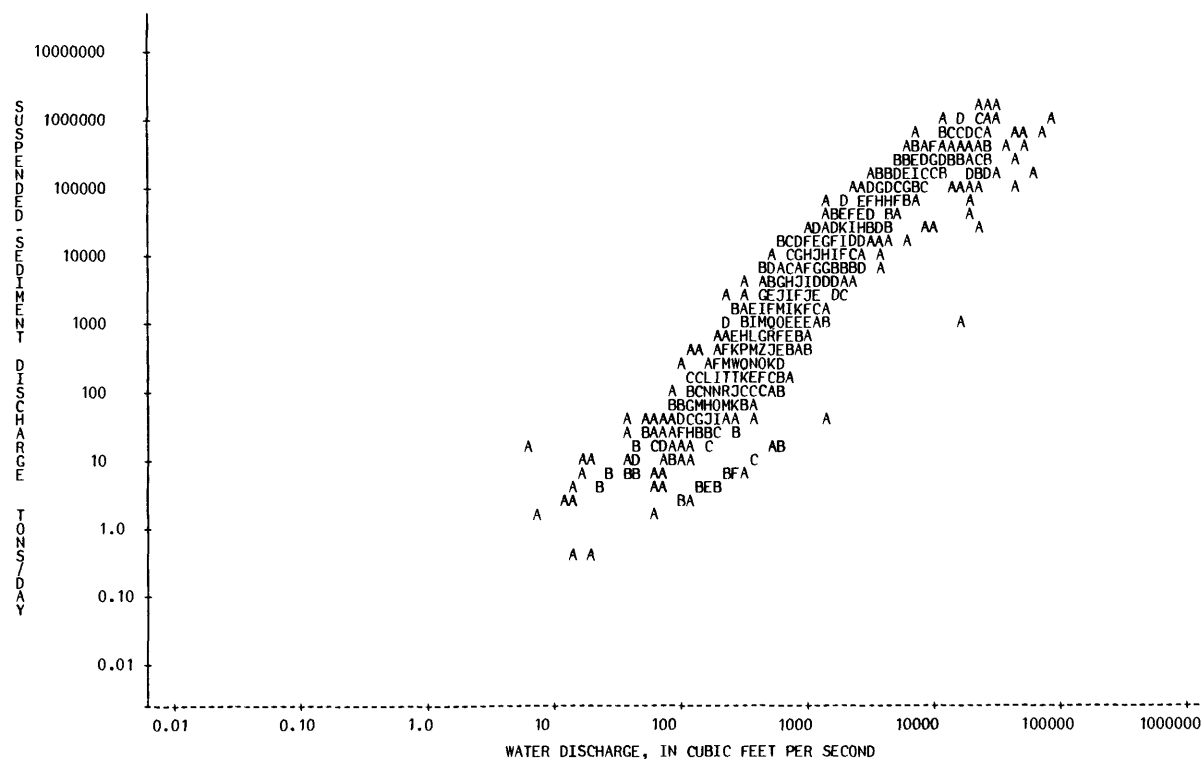
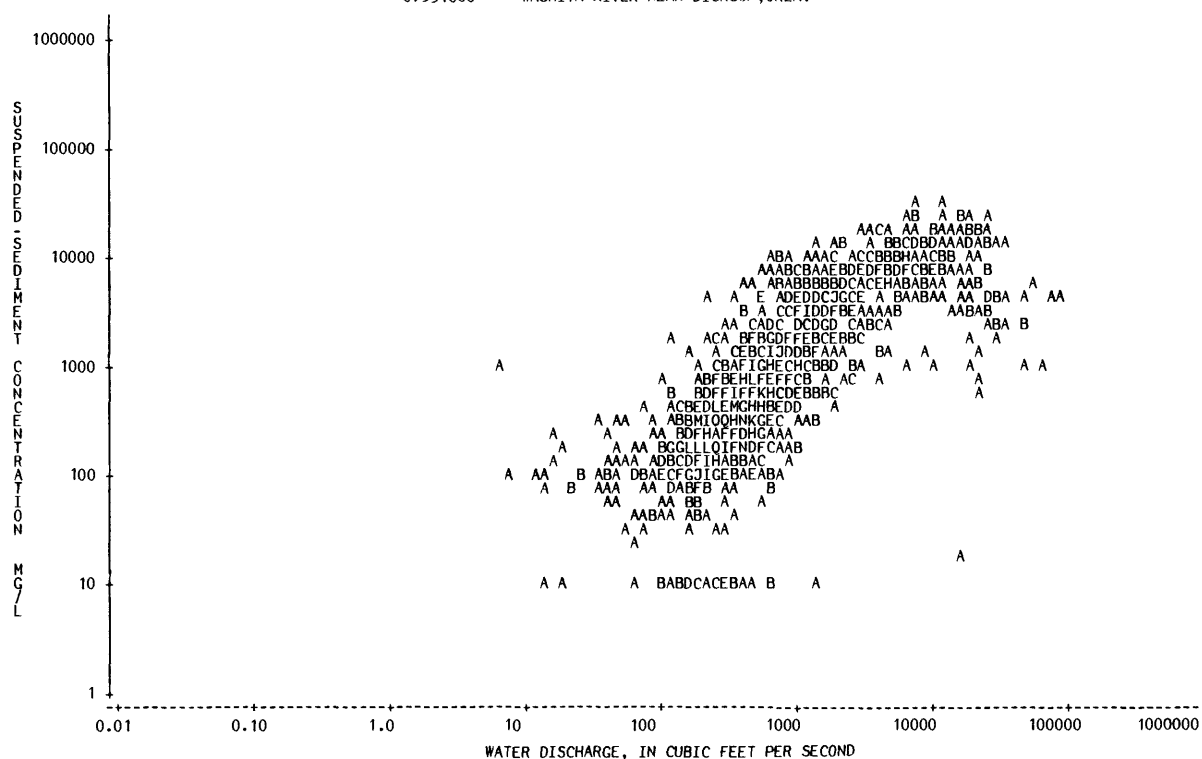
706

07331000 WASHITA RIVER NEAR DICKSON, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
80-09-16		1200	35	358	34						

\*\*\*\*\*  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07331000 WASHITA RIVER NEAR DICKSON, OKLA.



## RED RIVER BASIN

07331600 RED RIVER AT DENISON DAM NEAR DENISON, TEX.

LOCATION.--Lat 33°49'08", long 96°33'47", Grayson County, Hydrologic Unit 11140101, on right bank 1,800 ft (548.6 m) downstream from Denison Dam powerhouse, 0.4 mi (0.6 km) upstream from Shawnee Creek (spillway flow return), 4.5 mi (7.2 km) north of Denison, and at mile 725.5 (1,167.3 km).

DRAINAGE AREA.--39,720 mi<sup>2</sup> (102,875 km<sup>2</sup>) of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) is probably noncontributing. At site used prior to October 1961, drainage area 39,777 mi<sup>2</sup> (103,022 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) was probably noncontributing.

PERIOD OF RECORD.--Water years 1942-43, 1946-49, 1975-80.

REMARKS.--Flow regulated since October 1943 by Lake Texoma. Initial upstream floodwater-retarding structure was completed in July 1948. Construction is continuing with 2,067 mi<sup>2</sup> (5,354 km<sup>2</sup>) currently controlled on the Washita basin below Foss, Fort Cobb, and Arbuckle Reservoirs. Less than 10 percent of the Red River basin (excluding the Washita) is controlled by upstream floodwater-retarding structures. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
42-08-22			6820	200	A 3680	46-06-13			9700	300	A 7860
42-08-27			3390	100	A 915	46-06-14			9600	300	A 7780
42-09-23			18850	1900	A 96700	46-12-17			7500	400	A 8100
42-09-24			15700	1200	A 50900	46-12-19			25000	300	A 20300
42-10-19			28400	5100	A 391000	46-12-20			36000	200	A 19400
42-10-24			12000	100	A 3240	46-12-21			36200	200	A 19500
42-11-10			15900	100	A 4290	46-12-23			36200	200	A 19500
42-11-14			10400	200	A 5620	46-12-24			33000	200	A 17800
42-11-16			7770	200	A 4200	46-12-26			16000	300	A 13000
43-05-14			57100	300	A 46300	47-04-19			16000	100	A 4320
43-05-15			58800	200	A 31800	47-04-20			14400	100	A 3890
43-05-18			45600	100	A 12300	47-04-21			14000	100	A 3780
43-05-20			25300	100	A 6830	47-04-24			19400	100	A 5240
43-05-23			37400	100	A 10100	47-04-26			15000	10	A 405
43-06-14			11400	600	A 18500	47-04-27			16000	10	A 432
43-06-25			3980	300	A 3220	47-04-28			16000	10	A 432
45-10-02			13000	400	A 14000	47-05-19			15000	10	A 405
45-10-03	1300		24000	500	A 32400	47-05-20			25000	10	A 675
45-10-04			40000	400	A 43200	47-05-21			35000	100	A 9450
45-10-05			42000	500	A 56700	47-05-23			40900	10	A 1100
45-10-06			42000	500	A 56700	47-05-25			50000	10	A 1350
45-10-07			41000	400	A 44300	47-05-26			51000	10	A 1380
45-10-08			41000	400	A 44300	47-05-27			62000	10	A 1670
45-10-09			40000	400	A 43200	47-05-28			62000	10	A 1670
45-10-10			40000	400	A 43200	47-05-29			61100	10	A 1650
45-10-12			39000	400	A 42100	47-05-30			61100	10	A 1650
45-10-13			39000	300	A 31600	47-06-02			60200	10	A 1630
45-10-14			39000	400	A 42100	47-06-03			60000	10	A 1620
45-10-15			39000	400	A 42100	47-06-04			51000	10	A 1380
45-10-16			39000	400	A 42100	47-06-05			41600	10	A 1120
45-10-17			38000	400	A 41000	47-06-09			41000	10	A 1110
45-10-18			38000	400	A 41000	47-06-12			20400	10	A 551
45-10-19			38000	500	A 51300	47-06-25			15000	10	A 405
45-10-20			25000	400	A 27000	48-06-02			11600	100	A 3130
45-10-21	0800		25000	400	A 27000	48-06-03			11000	100	A 2970
45-10-22			14000	500	A 18900	48-06-07			11200	100	A 3020
45-10-23			14000	500	A 18900	48-06-28			15800	10	A 427
46-02-20			16000	400	A 17300	48-06-29			15800	100	A 4270
46-02-21			22000	500	A 29700	48-06-30			15800	100	A 4270
46-02-22			27600	500	A 37300	48-07-01			15800	10	A 427
46-02-23			27300	500	A 36900	48-07-06			15500	100	A 4190
46-02-24			27300	400	A 29500	48-07-07			17100	100	A 4620
46-02-25			28000	500	A 37800	48-07-08			16400	10	A 443
46-02-26			28000	500	A 37800	48-07-09			16400	10	A 443
46-06-04			15900	100	A 4290	48-07-10			18400	10	A 497
46-06-05			15900	300	A 12900	48-07-11			21000	10	A 567
46-06-06			15900	200	A 8590	48-07-12			25900	10	A 699
46-06-07			18800	200	A 10200	48-07-13			24600	10	A 664
46-06-08			21800	300	A 17700	48-07-14			30800	10	A 832
46-06-09			21800	200	A 11800	48-07-15			30800	10	A 832
46-06-10			21800	300	A 17700	48-07-16			29400	10	A 794
46-06-11			21800	200	A 11800	48-07-17			19100	10	A 516
46-06-12			15800	300	A 12800	49-05-23			12300	10	A 332

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

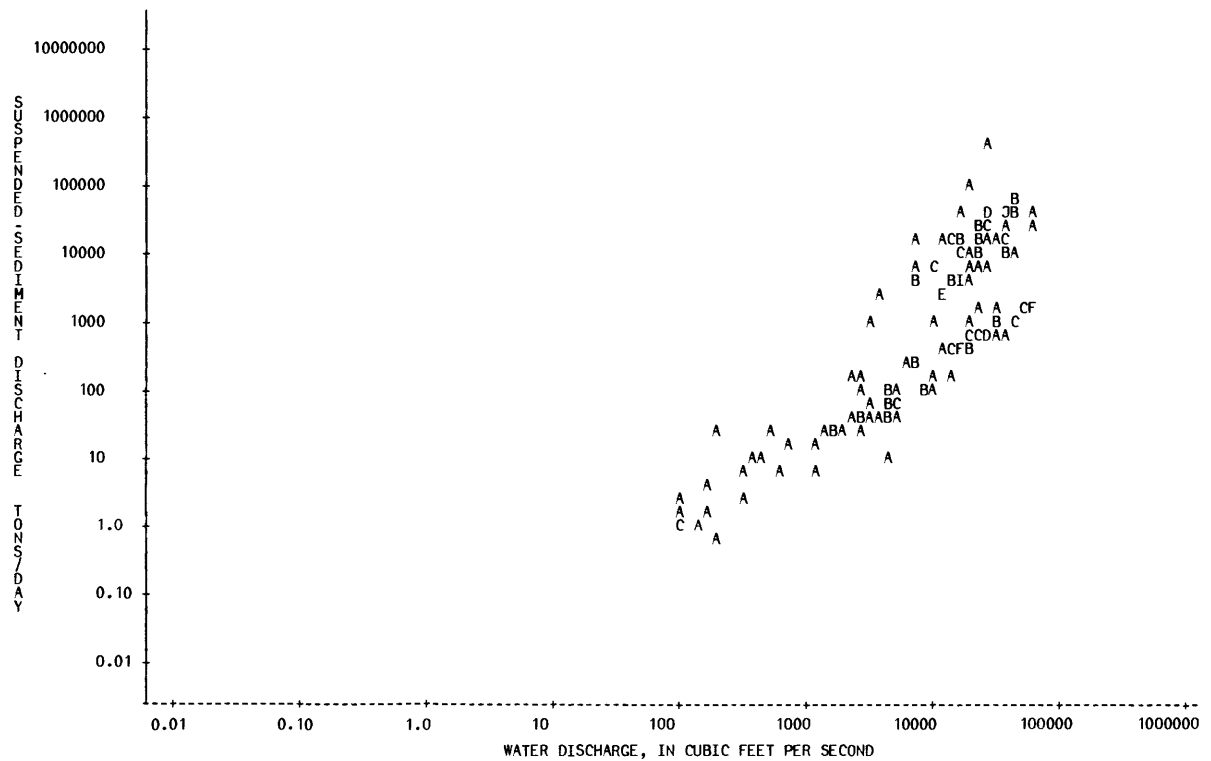
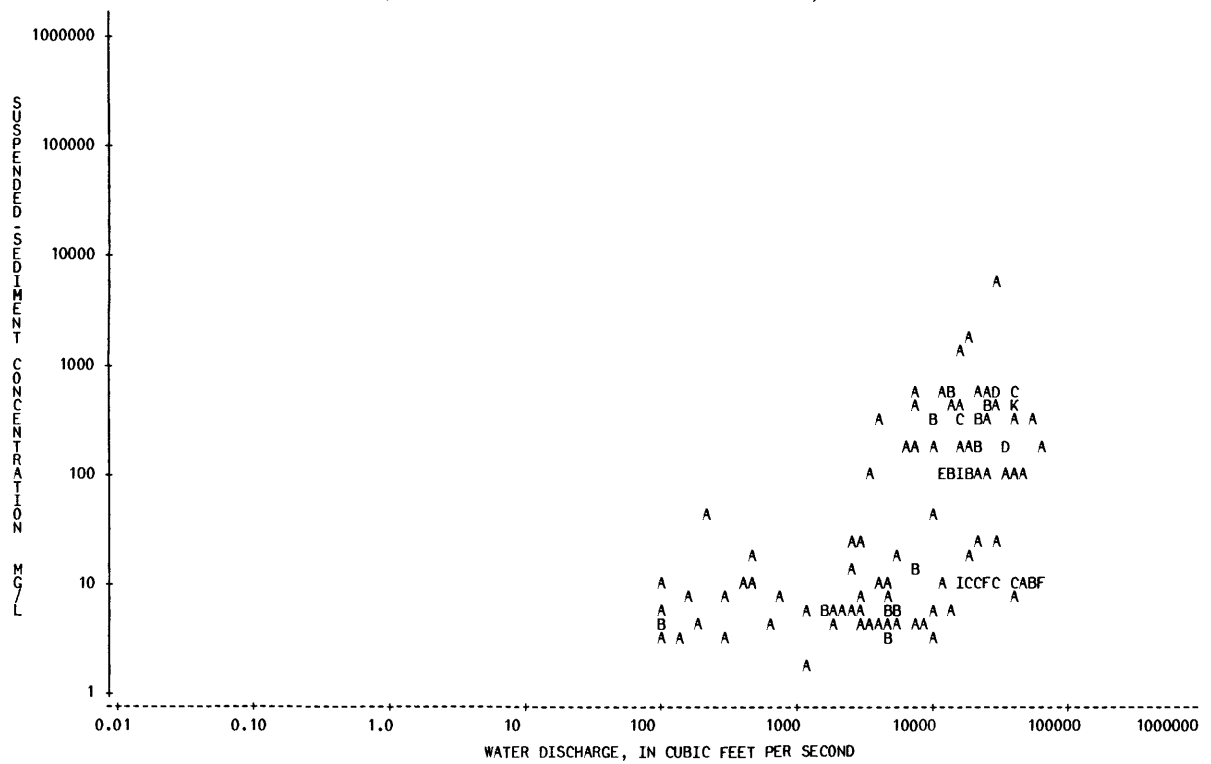
D7331600 RED RIVER AT DENISON DAM NEAR DENISON, TEX.--CONTINUED

709

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
49-05-24			18200	10	A 491						
49-05-26			25800	10	A 697						
49-05-27			26200	10	A 707						
49-05-31			24700	10	A 667						
49-06-01			21100	100	A 5700						
49-06-02			21100	10	A 570						
49-06-03			18000	100	A 4860						
49-06-10			11700	100	A 3160						
49-06-16			15800	100	A 4270						
49-06-17			15800	100	A 4270						
74-10-15	1630		2900	5	39						
74-11-05	1500		37700	7	713						
74-12-03	1430		7920	4	86						
75-01-08	1500		2850	4	31						
75-02-25	1700		10400	6	168						
75-03-25	1630		10500	3	85						
75-04-24	1400		5300	4	57						
75-05-13	1625		7380	14	279						
75-06-17	1630		19000	18	923						
75-07-22	1500		4200	9	102						
75-08-05	1700		13300	5	180						
75-09-23	1615		4660	10	126						
75-10-21	1200		4340	3	35						
75-11-11	1600		373	10	10						
75-12-04	1530		1730	5	23						
76-01-07	0930		7000	12	227						
76-02-12	1500		1630	5	22						
76-03-03	1730		660	4	7.1						
76-04-27	1205		1500	6	24						
76-05-26	1430		2940	7	56						
76-06-22	1535		4760	6	77						
76-07-27	0945		3300	4	36						
76-08-11	1430		2700	14	102						
76-09-22	1400		1930	4	21						
76-10-14	1430		1200	2	6.5						
76-11-10	0723		1100	5	15						
76-12-07	1100		8000	4	86						
77-01-18	1030		3800	4	41						
77-02-14	1300		210	1	0.57						
77-03-22	1000		2500	6	40						
77-04-18	1245		5500	5	74						
77-05-23	1410		22400	25	1510						
77-06-14	1245		5600	5	76						
77-07-25	1425		5780	19	297						
77-08-23	1200		7700	653	13600						
77-09-26	1445		4450	1	12						
77-10-17	1630		96	10	2.6						
77-11-07	0845		2400	23	149						
77-12-12	1530		491	20	27						
78-01-24	0845		604	0	0.00						
78-02-14	1030		4500	5	61						
78-03-15	0945		293	3	2.4						
78-04-17	1340		443	10	12						
78-05-22	1200		2760	27	201						
78-06-12	1300		30900	24	2000						
78-07-17	1230		2210	6	36						
78-08-21	1400		5000	3	41						
78-09-18	1330		4520	4	49						
79-10-17	1300		209	38	21						
79-11-06	1630		293	7	5.5						
79-12-05	1345		723	7	14						
80-01-16	0945		107	3	0.87						
80-02-11	1410		132	3	1.1						
80-03-19	0815		107	4	1.2						
80-04-23	1115		96	5	1.3						
80-05-12	1320		107	4	1.2						
80-06-02	1330		9890	37	988						
80-07-14	1220		5000	8	108						
80-08-26	1100		170	8	3.7						
80-09-17	0800		173	4	1.9						

\*\*\*\*\*  
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07331600 RED RIVER AT DENISON DAM NEAR DENISON, TEX.



## RED RIVER BASIN

07332000 RED RIVER NEAR COLBERT, OKLA.

LOCATION.--Lat 33°49', long 96°31', in E 1/2 sec.36, T.8 S., R.7 E., Bryan County, Hydrologic Unit 11140101, at old highway toll bridge, 1.3 mi (2.1 km) downstream from Sand Creek, 2 mi (3.2 km) south of Colbert, 2.9 mi (4.7 km) downstream from Denison Dam, and at mile 723.0 (1,163.3 km).

DRAINAGE AREA.--39,777 mi<sup>2</sup> (64,001 km<sup>2</sup>) of which 5,908 mi<sup>2</sup> (9,506 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1930-31, 1936-62.

REMARKS.--Flow completely regulated since 1943 by Lake Texoma, 2.9 mi (4.7 km) above station. Prior to 1934, published as Red River near Denison, Tex.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-09-09			655	500	A 884	31-02-05			1180	400	A 1270
30-09-12			760	500	A 1030	31-02-06			1140	400	A 1230
30-09-16			1900	1200	A 6160	31-02-09			5800	4600	A 72000
30-09-19			1560	600	A 2530	31-02-10			12000	4800	A 156000
30-09-22			1180	500	A 1590	31-02-12	0001		9160	2700	A 66800
30-09-26			690	500	A 931	31-02-12	0002		9160	3800	A 94000
30-09-29			501	400	A 541	31-02-13	0001		9160	3300	A 81600
30-10-06			1290	4400	A 15300	31-02-13	0002		9160	3700	A 91500
30-10-07			3830	3200	A 33100	31-02-13	0003		9160	3100	A 76700
30-10-08	0001		5640	2500	A 38100	31-02-14	0001		8780	2800	A 66400
30-10-08	0002		5640	2100	A 32000	31-02-14	0002		8780	2500	A 59300
30-10-09	0001		12100	5800	A 189000	31-02-19			3270	700	A 6180
30-10-09	0002		12100	4400	A 144000	31-02-20			2950	800	A 6370
30-10-10	0001		11200	7600	A 230000	31-02-23			12000	3600	A 117000
30-10-10	0002		11200	7500	A 227000	31-02-24			12000	5300	A 172000
30-10-14			21600	6800	A 397000	31-02-26			7060	2400	A 45700
30-10-17			39000	7400	A 779000	31-02-27			5410	2400	A 35100
30-10-21			7170	4300	A 83200	31-03-06			6360	1900	A 32600
30-10-23			5190	2300	A 32200	31-03-07			7170	3500	A 67800
30-10-28			5870	3300	A 52300	31-03-13			2520	1100	A 7480
30-10-31			2800	2000	A 15100	31-03-14			2260	900	A 5490
30-11-04			1670	800	A 3610	31-03-17			1670	700	A 3160
30-11-06			1460	600	A 2370	31-03-18			1560	700	A 2950
30-11-10			1180	500	A 1590	31-03-21			7030	4900	A 93000
30-11-13			1040	400	A 1120	31-03-23			4760	3900	A 50100
30-11-17			1090	400	A 1180	31-03-24			2660	4700	A 33800
30-11-20			1180	700	A 2230	31-03-26			2140	3900	A 22500
30-11-25			1900	1800	A 9230	31-03-27			5710	3400	A 52400
30-11-28			1560	1500	A 6320	31-03-29			6620	3300	A 59000
30-12-01			5320	3100	A 44500	31-03-30			5190	2600	A 36400
30-12-05			14600	7500	A 296000	31-03-31			5640	2600	A 39600
30-12-09			21000	9000	A 510000	31-04-06			4970	1700	A 22800
30-12-12			6110	2700	A 44500	31-04-07			4160	1200	A 13500
30-12-16			4550	1500	A 18400	31-04-09			3440	900	A 8360
30-12-18			4160	1300	A 14600	31-04-10			3110	700	A 5880
30-12-23			3440	800	A 7430	31-04-13			2520	500	A 3400
30-12-27			2800	700	A 5290	31-04-14			2260	500	A 3050
30-12-30			2140	500	A 2890	31-04-16			2140	600	A 3470
31-01-02			1780	400	A 1920	31-04-17			2390	400	A 2580
31-01-06			1560	400	A 1680	31-04-20			1900	500	A 2570
31-01-09			1460	400	A 1580	31-04-21			2020	600	A 3270
31-01-13			1360	400	A 1470	31-04-23			2570	1100	A 7630
31-01-16			1460	500	A 1970	31-04-24			2260	1100	A 6710
31-01-19			1560	400	A 1680	31-05-07			16100	6500	A 283000
31-01-20			1460	400	A 1580	31-05-08			16200	7200	A 315000
31-01-22			1460	400	A 1580	31-05-11			6890	2000	A 37200
31-01-23			1460	400	A 1580	31-05-12			5190	2100	A 29400
31-01-26			1360	500	A 1840	31-05-14			3610	1400	A 13600
31-01-27			1270	500	A 1710	31-05-15			3110	1300	A 10900
31-01-29			1270	500	A 1710	31-05-19			1900	900	A 4620
31-01-30			1270	500	A 1710	31-05-21			3070	2100	A 17400
31-02-02			1270	500	A 1710	31-05-23			3720	1500	A 15100
31-02-03			1270	400	A 1370	31-05-25			3440	1100	A 10200

\*\*\*\*\*  
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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## RED RIVER BASIN

07332000 RED RIVER NEAR COLBERT, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
31-05-26			4350	1500	A 17600	36-11-09			1390	100	A 375
31-05-28			3610	2800	A 27300	36-11-12			1200	100	A 324
31-05-29			2390	2700	A 17400	36-11-16			986	100	A 266
31-06-01			1780	1700	A 8170	36-11-18			910	100	A 246
31-06-02			1560	1600	A 6740	36-11-24			790	100	A 213
31-06-04			1270	800	A 2740	36-11-27			710	100	A 192
31-06-05			1180	800	A 2550	36-12-11			742	100	A 200
31-06-08			1180	500	A 1590	36-12-18			806	100	A 218
31-06-09			1180	500	A 1590	37-02-04			2020	300	A 1640
31-06-11			1040	400	A 1120	37-02-10			1700	100	A 459
31-06-12			1040	500	A 1400	37-03-04			1100	100	A 297
31-06-15			2020	800	A 4360	37-03-11			2830	200	A 1530
31-06-16			3610	800	A 7800	38-05-25			54900	7400	A 1100000
31-06-18			3610	3700	A 36100	38-05-26			52910	5400	A 771000
31-06-19			2520	4000	A 27200	38-05-27			49700	4800	A 644000
31-06-22			1460	1400	A 5520	38-07-12			1900	1100	A 5640
31-06-23			1360	1400	A 5140	38-08-02			2850	700	A 5390
31-06-25			1270	800	A 2740	38-08-08			1620	300	A 1310
31-06-26			1140	600	A 1850	38-09-12			1080	300	A 875
31-06-29			840	500	A 1130	38-09-23			1540	200	A 832
31-06-30			760	500	A 1030	38-10-10			580	200	A 313
31-07-02			620	400	A 670	38-10-21			604	200	A 326
31-07-03			585	400	A 632	38-11-04			441	100	A 119
31-07-06			362	400	A 391	38-11-16			923	800	A 1990
31-07-07			356	400	A 384	38-12-01			500	100	A 135
31-07-09			840	400	A 907	38-12-08			2550	200	A 1380
31-07-10			655	400	A 707	39-01-20			2030	3200	A 17500
31-07-13			438	400	A 473	39-01-27			1040	800	A 2250
31-07-14			338	400	A 365	39-03-27			1040	1700	A 4770
31-07-16			487	300	A 394	39-04-25			813	200	A 439
31-07-17			445	400	A 481	39-05-03			560	1100	A 1660
31-07-21			4800	6300	A 81600	39-05-09			530	600	A 859
31-07-22			7320	3800	A 75100	39-05-17			3380	2200	A 20100
31-07-28			4760	1500	A 19300	39-05-23			3150	3900	A 33200
31-07-29			3790	1400	A 14300	39-06-06			1510	2000	A 8150
31-08-04			1000	300	A 810	39-06-13			1150	600	A 1860
31-08-05			880	300	A 713	39-06-20			860	600	A 1390
31-08-11			494	100	A 133	39-06-25			28200	10100	A 769000
31-08-12			410	200	A 221	39-07-11			3150	4600	A 39100
31-08-18			1360	400	A 1470	39-07-19			981	500	A 1320
31-08-19			1090	600	A 1770	39-08-05			548	200	A 296
31-08-25			880	800	A 1900	39-08-22			2040	1200	A 6610
31-08-26			760	700	A 1440	39-08-29			963	800	A 2080
31-09-01			326	500	A 440	39-09-06			668	600	A 1080
31-09-02			344	400	A 372	39-10-03			182	100	A 49
31-09-08			690	400	A 745	39-10-06			182	300	A 147
31-09-09			725	500	A 979	39-10-10			290	200	A 157
31-09-15			326	300	A 264	39-10-17			430	200	A 232
31-09-16			326	200	A 176	39-11-01			1650	3000	A 13400
31-09-22			278	200	A 150	39-11-15			227	300	A 184
31-09-23			254	300	A 206	40-02-26			629	200	A 340
31-09-29			150	200	A 81	40-04-26			783	1200	A 2540
31-09-30			160	200	A 86	40-05-10			7480	9200	A 186000
36-06-02			14200	7000	A 268000	40-07-12			4660	5500	A 69200
36-06-11			10450	7000	A 198000	40-07-22			14900	5300	A 213000
36-06-18			4000	3100	A 33500	40-08-21			19000	4400	A 226000
36-06-23			2210	1400	A 8350	40-09-16			1090	1800	A 5300
36-07-08			1000	300	A 810	41-02-03			35370	8000	A 764000
36-07-14			1200	200	A 648	41-06-10			181200	3700	A 1810000
36-07-24			742	100	A 200	41-06-11			138000	4600	A 1710000
36-08-08			468	100	A 126	42-07-03			6020	6100	A 99100
36-08-13			480	100	A 130	42-08-21			6190	600	A 10000
36-08-27			355	100	A 96	42-08-22			6820	300	A 5520
36-08-31			318	100	A 86	42-08-24			5300	400	A 5720
36-09-09			2110	1300	A 7410	42-08-27			3390	400	A 3660
36-09-10			3890	13000	A 137000	42-09-10			6790	1800	A 33000
36-09-11			3130	7400	A 62500	42-09-23			20200	4000	A 218000
36-09-14			2300	2100	A 13000	42-09-24			13500	1400	A 51000
36-09-19			29600	9800	A 783000	42-10-19			28400	5000	A 383000
36-09-20			23600	9600	A 612000	42-10-24			12000	800	A 25900
36-09-21			31800	7900	A 678000	42-11-02			13200	600	A 21400
36-09-22			41700	11700	A 1320000	42-11-10			15900	400	A 17200
36-09-23			17800	7300	A 351000	42-11-14			10400	1000	A 28100
36-09-25			30300	5100	A 417000	42-11-17			6000	500	A 8100
36-09-29			77600	6600	A 1380000	42-11-23			3050	300	A 2470
36-09-30			54300	7400	A 1080000	43-04-14			13900	200	A 7510
36-10-01			34000	5800	A 532000	43-04-18			2000	400	A 2160
36-10-02			20300	13000	A 713000	43-04-20			22700	200	A 12300
36-10-05			9090	3400	A 83400	43-05-12			45700	1300	A 160000
36-10-07			7420	2300	A 46100	43-05-14			57100	1200	A 185000
36-10-09			6780	1800	A 33000	43-05-15			58800	1300	A 206000
36-10-12			3090	600	A 5010	43-05-19			37400	400	A 40400
36-10-13			3150	500	A 4250	43-05-20			25300	200	A 13700
36-10-19			2240	600	A 3630	43-05-23			37400	500	A 50500
36-10-21			2020	400	A 2180	43-05-26			18200	400	A 19700
36-10-28			6920	1900	A 35500	43-05-30			47000	500	A 63500
36-10-30			3720	900	A 9040	43-06-02			35000	1900	A 180000
36-11-03			2330	300	A 1890	43-06-14			11400	100	A 3080
36-11-05			2250	200	A 1220	43-06-25			3980	300	A 3220

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07332000 RED RIVER NEAR COLBERT, OKLA.--CONTINUED

713

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
43-07-02			4160	300	A	49-11-10			1560	300	A	1260
43-08-21			622	100	A	49-11-18			3400	100	A	918
43-09-24			413	100	A	49-11-25			5040	100	A	1360
43-10-12			683	100	A	49-11-28			4320	200	A	2330
44-02-03			205	100	A	49-12-02			4110	100	A	1110
44-04-19			394	300	A	49-12-09			4620	100	A	1250
44-06-22			5900	500	A	49-12-15			4460	100	A	1200
44-11-25			113	200	A	50-01-20			3870	100	A	1040
44-12-21			3200	100	A	50-01-27			460	100	A	124
44-12-22			3620	100	A	50-02-03			4180	100	A	1130
45-01-31			4530	400	A	50-02-10			700	100	A	189
45-03-17			21000	600	A	50-02-24			4750	400	A	5130
45-04-20			37100	400	A	50-03-03			722	200	A	390
45-08-27			5420	200	A	50-03-10			379	100	A	102
46-04-03			4980	200	A	50-03-17			2150	100	A	581
46-05-17			5950	100	A	50-03-24			270	100	A	73
46-05-23			4070	100	A	50-03-31			1660	100	A	448
46-06-14			9800	200	A	50-04-27			841	100	A	227
46-06-18			5360	200	A	50-05-05			4120	100	A	1110
46-07-15			5150	100	A	50-05-18			24200	700	A	45700
46-07-23			5230	100	A	50-06-16			7690	200	A	4150
46-08-01			3350	100	A	50-06-23			7120	1700	A	32700
46-08-30			7190	200	A	50-07-14			8430	200	A	4550
46-09-06			2530	200	A	50-07-21			5260	200	A	2840
46-10-03			4730	100	A	50-07-28			7550	100	A	2040
46-10-09			4090	200	A	50-08-11			40900	200	A	22100
46-10-17			4670	400	A	50-08-25			24000	100	A	6480
46-10-29			3940	200	A	50-09-22			13100	100	A	3540
46-11-21			5490	200	A	50-12-29			2450	100	A	662
47-02-27			5200	400	A	51-01-11			5250	300	A	4250
47-03-14			4340	200	A	51-01-25			4200	200	A	2270
47-04-14			4520	400	A	51-02-08			4540	100	A	1230
47-04-23			25900	200	A	51-02-23			4510	100	A	1220
47-05-09			5170	400	A	51-03-23			4820	100	A	1300
47-05-22			38400	400	A	51-04-20			4710	100	A	1270
47-05-28			65600	400	A	51-05-29			39200	100	A	10600
47-07-08			5480	100	A	51-06-06			38800	100	A	10500
47-07-24			4070	300	A	51-07-26			6490	100	A	1750
47-08-15			4700	300	A	51-09-07			6080	100	A	1640
47-09-09			5100	200	A	51-09-18			2360	200	A	1270
47-09-25			3230	200	A	52-01-11			5750	200	A	3110
47-10-16			3990	200	A	52-02-17			157	100	A	42
47-12-10			3290	100	A	52-03-04			2030	200	A	1100
48-04-16			5170	200	A	52-04-03			6470	200	A	3490
48-04-23			4850	300	A	52-05-18			183	100	A	49
48-04-29			5400	200	A	52-06-02			8470	100	A	2290
48-05-04			2700	200	A	52-06-12			6780	100	A	1830
48-05-28			5240	200	A	52-06-30			8010	100	A	2160
48-06-04			11900	200	A	52-07-13			171	200	A	92
48-06-09			5420	200	A	52-07-24			7520	200	A	4060
48-06-18			5260	100	A	52-08-06			6810	200	A	3680
48-06-29			15800	400	A	52-08-25			10400	200	A	5620
48-07-09			16640	300	A	52-09-10			2750	100	A	743
48-07-16			29300	200	A	52-10-16			6190	100	A	1670
48-07-23			5240	300	A	52-12-02			830	100	A	224
48-07-24			4980	100	A	53-03-05			151	300	A	122
48-08-16			4700	200	A	53-04-03			270	900	A	656
48-10-22			2550	100	A	53-04-16			3640	100	A	983
48-11-05			3990	500	A	53-05-07			124	100	A	33
48-11-12			3940	100	A	53-05-25			3350	200	A	1810
48-11-18			3500	100	A	53-06-09			7410	200	A	4000
48-12-03			115	200	A	53-06-19			2990	90	A	727
48-12-12			4240	100	A	53-07-08			4040	70	A	764
48-12-22			4200	200	A	53-08-13			6970	490	A	9220
48-12-31			169	100	A	53-10-08			3770	50	A	509
49-01-06			3370	200	A	53-10-21			5030	40	A	543
49-02-25			3920	100	A	53-11-03			2510	50	A	339
49-03-14			5540	100	A	53-11-20			2160	240	A	1400
49-03-18			5040	200	A	53-12-15			3070	60	A	497
49-03-25			4090	100	A	54-01-08			3030	70	A	573
49-04-01			4420	100	A	54-01-26			3170	80	A	685
49-04-08			2490	100	A	54-02-03			5520	70	A	1040
49-04-14			3540	100	A	54-03-08			3400	40	A	367
49-04-25			3090	100	A	54-04-01			4290	70	A	811
49-05-06			4870	100	A	54-05-05			4400	80	A	950
49-05-13			4160	100	A	54-05-15			31000	130	A	10900
49-05-26			27800	300	A	54-05-17			40800	90	A	9910
49-06-14			32900	300	A	54-05-27			31500	70	A	5950
49-06-23			5470	100	A	54-06-01			16400	30	A	1330
49-07-15			4560	200	A	55-03-10			1750	90	A	425
49-07-28			1320	100	A	55-03-30			126	100	A	34
49-08-05			3950	100	A	55-05-24			10900	220	A	6470
49-08-12			180	100	A	55-05-31			10000	80	A	2160
49-08-19			2320	100	A	55-06-22			32900	180	A	16000
49-08-26			1740	500	A	55-06-23			40600	90	A	9870
49-09-02			2940	100	A	55-06-29			9970	100	A	2690
49-09-30			4250	100	A	55-08-05			8530	30	A	691
49-10-14			5840	100	A	55-08-18			8550	20	A	462
49-10-21			6650	500	A	55-10-07			71100	230	A	44200

\*\*\*\*\*  
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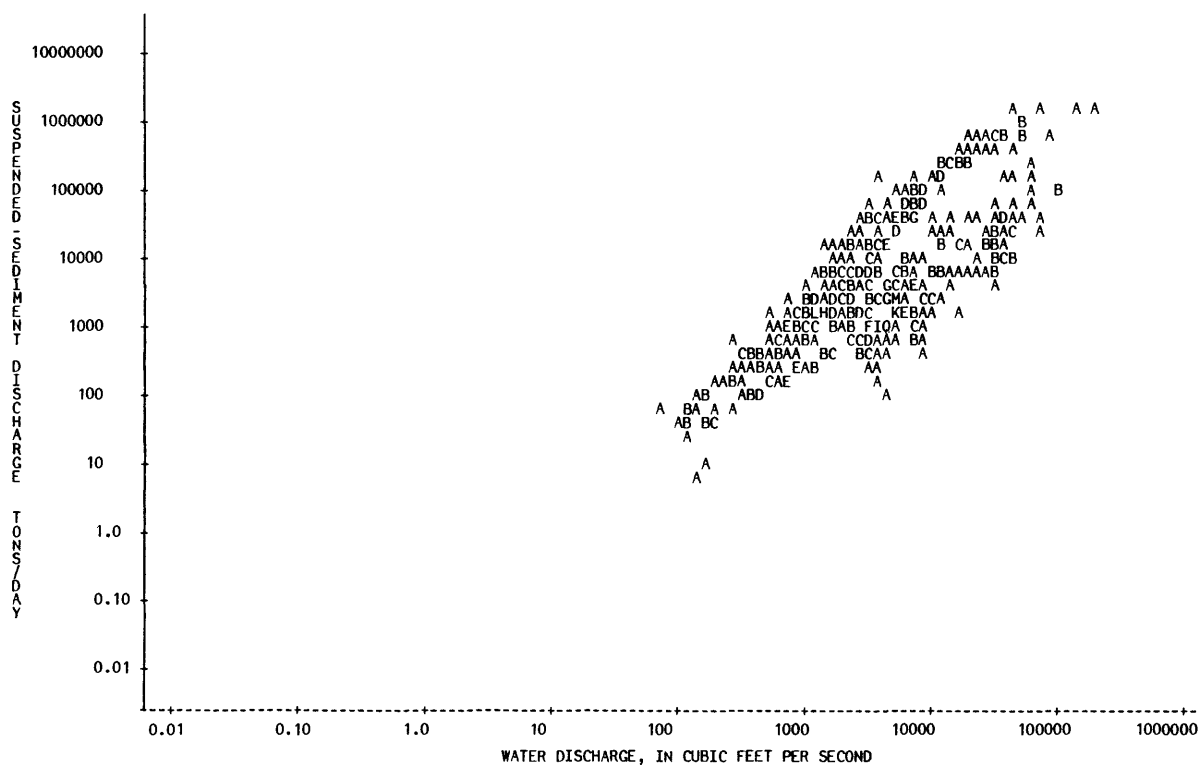
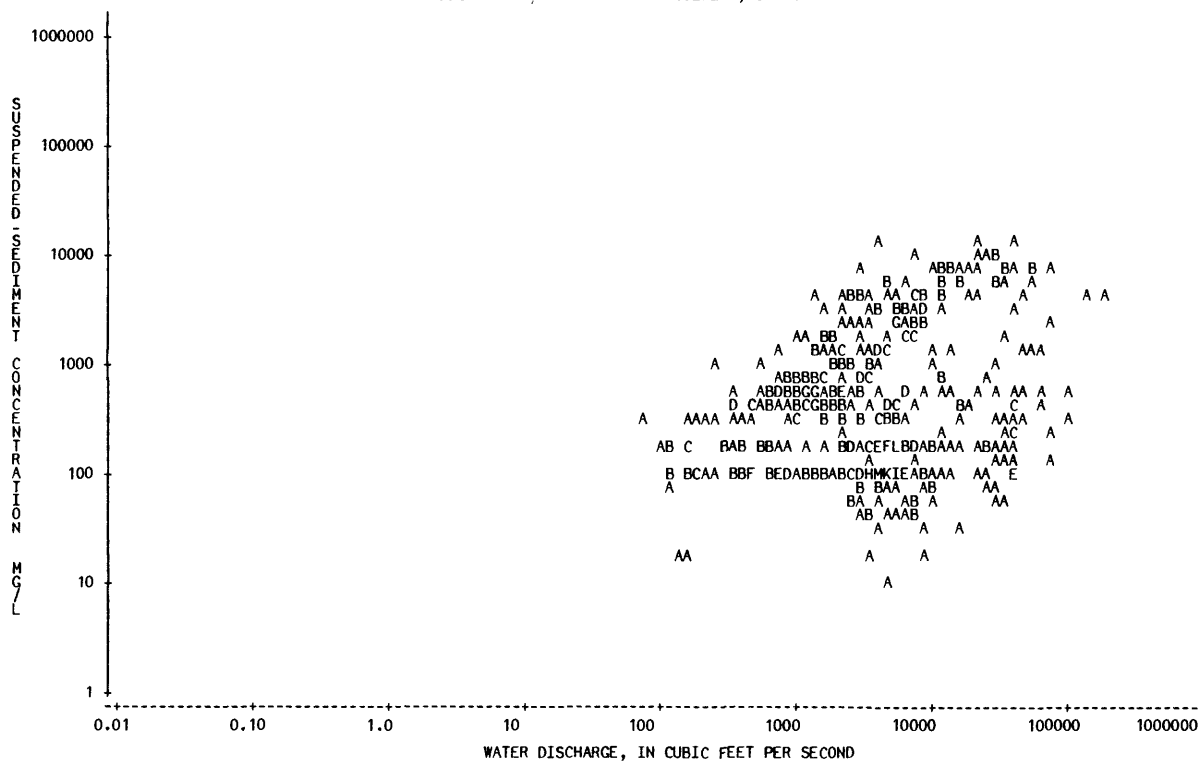
## RED RIVER BASIN

07332000 RED RIVER NEAR COLBERT, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
55-10-09			39700	130	A 13900						
55-10-19			11300	650	A 19800						
55-11-04			3400	130	A 1190						
55-12-02			4770	90	A 1160						
56-04-08			96	160	A 41						
56-05-08			7080	40	A 765						
56-05-24			3850	30	A 312						
56-06-07			2720	50	A 367						
56-08-07			3660	20	A 198						
56-08-22			69	360	A 67						
56-09-05			4600	10	A 124						
57-01-04			3790	90	A 921						
57-02-08			3000	40	A 324						
57-02-27			3220	40	A 348						
57-05-02			29600	600	A 48000						
57-05-03			37400	270	A 27300						
57-05-04			49800	360	A 48400						
57-06-04			79300	2480	A 531000						
57-06-05			101000	310	A 84500						
57-06-07			93200	500	A 126000						
57-06-12			78100	120	A 25300						
57-06-24			58800	620	A 98400						
57-07-15			8510	560	A 12900						
57-08-08			4690	40	A 507						
57-09-24			4950	170	A 2270						
57-09-30			26100	80	A 5640						
57-10-16			9810	50	A 1320						
57-10-30			6810	40	A 735						
57-11-15			15300	180	A 7440						
57-12-04			7860	60	A 1270						
57-12-17			7580	40	A 819						
58-05-09			42600	3510	A 404000						
58-05-12			42900	210	A 24300						
58-05-15			9960	1530	A 41100						
59-05-06			2270	460	A 2820						
59-05-27			135	20	A 7.3						
59-06-10			6770	50	A 914						
59-06-26			8480	70	A 1600						
59-10-07			42200	220	A 25100						
59-10-08			41200	300	A 33400						
59-10-15			32000	60	A 5180						
60-04-24			167	20	A 9.0						
60-05-02			5610	100	A 1510						
60-05-24			11300	660	A 20100						
60-06-07			3130	350	A 2960						
60-08-25			7890	120	A 2560						
60-10-18			10800	80	A 2330						
60-10-21			30700	50	A 4140						
60-10-24			31900	120	A 10300						
60-10-28			29400	880	A 69900						
60-12-19			6960	60	A 1130						
61-10-02			5360	170	A 2460						
62-04-26			125	70	A 24						
62-06-12			43000	100	A 11600						
62-06-16			32900	240	A 21300						
62-06-19			20300	110	A 6030						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07332000 RED RIVER NEAR COLBERT, OKLA.



## RED RIVER BASIN

07332500 BLUE RIVER NEAR BLUE, OKLA.

LOCATION.--Lat 33°59'49", long 96°14'27", on line between secs.27 and 34, T.6 S., R.10 E., Bryan County, Hydrologic Unit 11140102, near left bank on downstream side of pier of bridge on U.S. Highway 70, 1.0 mi (1.6 km) west of Blue, 7.0 mi (11.3 km) east of Durant, 7.7 mi (12.4 km) upstream from Caddo Creek, and at mile 38.8 (62.1 km).

DRAINAGE AREA.--476 mi<sup>2</sup> (1,233 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1936, 1938-42, 1944-50, 1953-78.

REMARKS.--Some regulation at low flow by State Fish Hatchery, 16.0 mi (25.7 km) above station. Small diversion above station for municipal water supply of city of Durant.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
36-06-10			48	200	A 26	46-06-13			137	200	A 74
38-06-09			2220	2200	A 13200	46-06-25			102	200	A 55
38-06-16			121	400	A 131	46-07-10			76	2400	A 492
38-08-30			66	200	A 36	46-07-15			67	200	A 36
38-09-13			54	400	A 58	46-08-28			681	700	A 1290
39-03-27			59	100	A 16	46-09-04			91	400	A 98
39-05-17			20	100	A 5.4	46-09-24			84	900	A 204
39-06-13			36	100	A 9.7	46-11-04			4410	1000	A 11900
39-08-10			6.0	400	A 6.5	46-11-07			6410	500	A 8650
40-04-29			717	800	A 1550	46-11-26			102	100	A 28
40-05-09			1010	1700	A 4640	47-01-02			308	300	A 249
40-05-23	0001		6450	800	A 13900	47-01-27			154	200	A 83
40-05-23	0002		7500	1000	A 20300	47-03-26			157	200	A 85
40-05-24			5020	800	A 10800	47-04-04			1510	1400	A 5710
40-06-17			4780	1600	A 20600	47-04-18			546	300	A 442
40-07-18			72	400	A 78	47-05-08			256	300	A 207
40-07-23			5270	700	A 9960	47-05-20			686	400	A 741
41-04-24			3090	400	A 3340	47-06-06			234	200	A 126
41-06-18			187	200	A 101	47-12-11			78	500	A 105
41-08-11			92	300	A 75	47-12-17			174	600	A 282
42-07-02			399	2700	A 2910	48-01-07			117	200	A 63
42-08-18			104	400	A 112	48-02-17			285	400	A 308
44-01-01			57	500	A 77	48-02-28			2300	1000	A 6210
44-05-26			850	2600	A 5970	48-03-01			512	500	A 691
44-11-27			120	300	A 97	48-03-17			191	100	A 52
44-12-07			1230	600	A 1990	48-05-13			621	500	A 838
45-02-17			301	200	A 163	48-05-26			5220	900	A 12700
45-03-03			4500	1300	A 15800	48-05-27			5210	400	A 5630
45-03-06			1450	800	A 3130	48-07-08			182	300	A 147
45-03-14			1360	900	A 3300	49-02-04			347	300	A 281
45-03-17			6150	500	A 8300	49-02-14			422	1000	A 1140
45-03-20			13700	100	A 3700	49-02-16			170	500	A 229
45-06-18			16900	1000	A 45600	49-02-24			3910	900	A 9500
45-08-24			287	500	A 387	49-02-25			1080	900	A 2620
45-09-26			846	2300	A 5250	49-03-21			630	2800	A 4760
45-10-11			330	200	A 178	49-03-28			1020	800	A 2200
46-01-09			1430	700	A 2700	49-03-30			200	500	A 270
46-01-22			295	300	A 239	49-04-26			201	500	A 271
46-01-28			198	300	A 160	49-04-29			1800	1800	A 8750
46-02-11			744	700	A 1410	49-05-03			1600	900	A 3890
46-02-13			4190	2100	A 23800	49-05-18			4550	600	A 7370
46-02-19			7230	800	A 15600	49-06-15			2990	300	A 2420
46-02-28			320	500	A 432	50-01-13			3130	1500	A 12700
46-03-07			346	600	A 561	50-01-14			3700	900	A 8990
46-03-20			239	600	A 387	50-01-16			451	600	A 731
46-03-29			829	800	A 1790	50-04-30			2600	300	A 2110
46-04-11			466	100	A 126	50-05-03			5380	600	A 8720
46-04-16			214	300	A 173	50-05-09			455	200	A 246
46-04-18			381	400	A 411	50-05-11			3660	1300	A 12800
46-04-25			419	300	A 339	50-07-24			2190	900	A 5320
46-04-30			364	1300	A 1280	50-09-05			435	400	A 470
46-05-23			479	400	A 517	53-07-20			4750	890	A 11400
46-06-05			269	300	A 218	54-05-02			5950	650	A 10400

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07332500 BLUE RIVER NEAR BLUE, OKLA.--CONTINUED

717

SUSPENDED SEDIMENT						SUSPENDED SEDIMENT						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	DISCHARGE (TONS/DAY)	
*****						*****						
54-05-15			471	330	A	420	65-04-12		113	690	A	211
55-03-21			2280	2030	A	12500	65-05-17		164	190	A	84
55-03-22			1380	680	A	2530	65-05-27		1900	1620	A	8310
55-03-23			311	550	A	462	66-02-10		8400	620	A	14100
55-05-25			116	90	A	28	66-02-17		111	40	A	12
56-05-01			316	1130	A	964	66-04-25		925	1030	A	2570
57-02-07			404	470	A	513	66-04-29		3530	1520	A	14500
57-03-18			988	1910	A	5100	66-09-01		477	560	A	721
57-03-28			736	600	A	1190	67-04-11		1010	920	A	2510
57-04-03			3160	2810	A	24000	67-04-14		6990	240	A	4530
57-04-20			4390	930	A	11000	67-04-19		189	160	A	82
57-04-23			4910	1700	A	22500	67-04-24		378	200	A	204
57-04-27			13700	1050	A	38800	67-05-05		106	60	A	17
57-04-29			2480	1230	A	8240	67-05-22		250	320	A	216
57-05-02			2760	560	A	4170	67-05-31		3340	2000	A	18000
57-05-21			616	380	A	632	67-06-09		91	100	A	25
57-06-04			6210	420	A	7040	67-06-22		4000	1070	A	11600
57-09-22			19300	590	A	30700	67-12-18		469	240	A	304
57-09-25			513	350	A	485	68-01-25		316	170	A	145
57-10-16			173	100	A	47	68-01-30		3090	1340	A	11200
57-11-13			398	160	A	172	68-01-31		1400	540	A	2040
57-12-16			171	80	A	37	68-03-14		639	280	A	483
58-01-02			162	100	A	44	68-03-20		6470	620	A	10800
58-01-17			339	240	A	220	68-03-26		418	260	A	293
58-01-24			399	160	A	172	68-04-01		4700	730	A	9260
58-03-11			290	140	A	110	68-04-09		293	210	A	166
58-03-21			192	160	A	83	68-04-23		2220	810	A	4860
58-03-26			326	210	A	185	68-05-14		4560	850	A	10500
58-04-03			913	1950	A	4810	68-05-16		1520	770	A	3160
58-04-10			192	170	A	88	68-05-17		17700	590	A	28200
58-04-22			661	390	A	696	68-05-18		7800	250	A	5270
58-05-02			24100	870	A	56600	68-05-19		1620	540	A	2360
58-05-09			317	250	A	214	68-05-24		430	180	A	209
58-05-13			315	180	A	153	68-05-29		295	110	A	88
58-05-23			200	260	A	140	68-06-12		334	210	A	189
59-03-05			1980	2810	A	15000	68-06-28		288	150	A	117
59-04-03			139	500	A	188	68-12-03		204	120	A	66
59-04-20			472	260	A	331	69-02-03		261	90	A	63
59-05-15			81	90	A	20	69-02-25		522	230	A	324
59-07-27			2160	890	A	5190	69-03-12		291	80	A	63
59-10-05			2930	840	A	6650	69-03-24		5900	570	A	9080
59-10-14			4190	660	A	7470	69-04-03		286	140	A	108
59-12-16			2640	730	A	5200	69-04-17		233	70	A	44
59-12-30			139	60	A	23	69-04-23		220	100	A	59
60-01-13			1780	1100	A	5290	69-05-01		460	220	A	273
60-02-05			1770	580	A	2770	69-05-13		464	220	A	276
60-05-25			254	110	A	75	69-05-19		8200	160	A	3540
60-06-07			281	260	A	197	69-06-02		286	110	A	85
60-07-26			270	300	A	219	69-06-16		381	150	A	154
60-08-24			58	160	A	25	69-10-13		3740	830	A	8380
60-10-20			256	380	A	263	69-12-08		194	40	A	21
60-12-12			749	360	A	728	70-01-16		164	30	A	13
61-03-27			548	380	A	562	70-01-26		113	40	A	12
61-03-31			4230	930	A	10600	70-02-24		320	130	A	112
61-04-11			180	90	A	44	70-03-09		192	80	A	41
61-05-02			86	270	A	63	70-03-23		265	70	A	50
61-05-23			470	760	A	964	70-04-21		441	240	A	286
61-10-03			379	860	A	880	70-05-13		158	30	A	13
61-10-16			91	120	A	29	70-06-13		4290	680	A	7880
61-12-01			148	100	A	40	70-06-15		290	80	A	63
62-01-24			117	110	A	35	70-10-27		5470	930	A	13700
62-04-26			235	80	A	51	70-11-10		175	150	A	71
62-05-02			141	70	A	27	71-05-10		2170	1420	A	8320
62-06-02			7980	650	A	14000	71-10-18		334	320	A	289
62-06-18			117	120	A	38	71-12-06		1590	470	A	2020
62-09-26			172	160	A	74	71-12-14		439	250	A	296
62-10-11			3870	1180	A	12300	72-04-28		170	220	A	101
62-10-18			111	160	A	48	72-05-16		161	160	A	70
62-10-29			2010	990	A	5370	72-11-01		4010	740	A	8010
62-11-08			105	180	A	51	72-11-08		421	200	A	227
62-11-30			423	310	A	354	73-01-16		486	170	A	223
62-12-06			277	210	A	157	73-02-01		103	610	A	170
62-12-19			144	60	A	23	73-02-14		321	30	A	26
63-01-04			148	150	A	60	73-02-28		305	60	A	49
63-01-16			114	30	A	9.2	73-03-26		1320	1230	A	4380
63-03-19			2150	2220	A	12900	73-04-10		391	230	A	243
63-03-21			201	210	A	114	73-04-16		8990	620	A	15000
63-04-04			109	160	A	47	73-05-02		1970	540	A	2870
63-05-01			218	190	A	112	73-05-08		2370	630	A	4030
64-03-20			611	940	A	1550	73-05-25		259	170	A	119
64-04-06			393	340	A	361	73-06-06		1600	490	A	2120
64-04-24			2440	4050	A	26700	73-06-12		382	190	A	196
64-06-18			1380	880	A	3280	73-07-18		184	150	A	75
64-09-17			522	620	A	874	73-10-31		1590	480	A	2060
64-09-23			1090	1280	A	3770	73-11-26		13200	170	A	6060
64-11-20			4510	480	A	5840	73-11-28		1510	430	A	1750
65-02-17			123	100	A	33	73-12-04		2220	440	A	2640
65-03-01			567	530	A	811	74-02-11		146	90	A	35
65-03-15			100	90	A	24	74-03-18		150	160	A	65

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

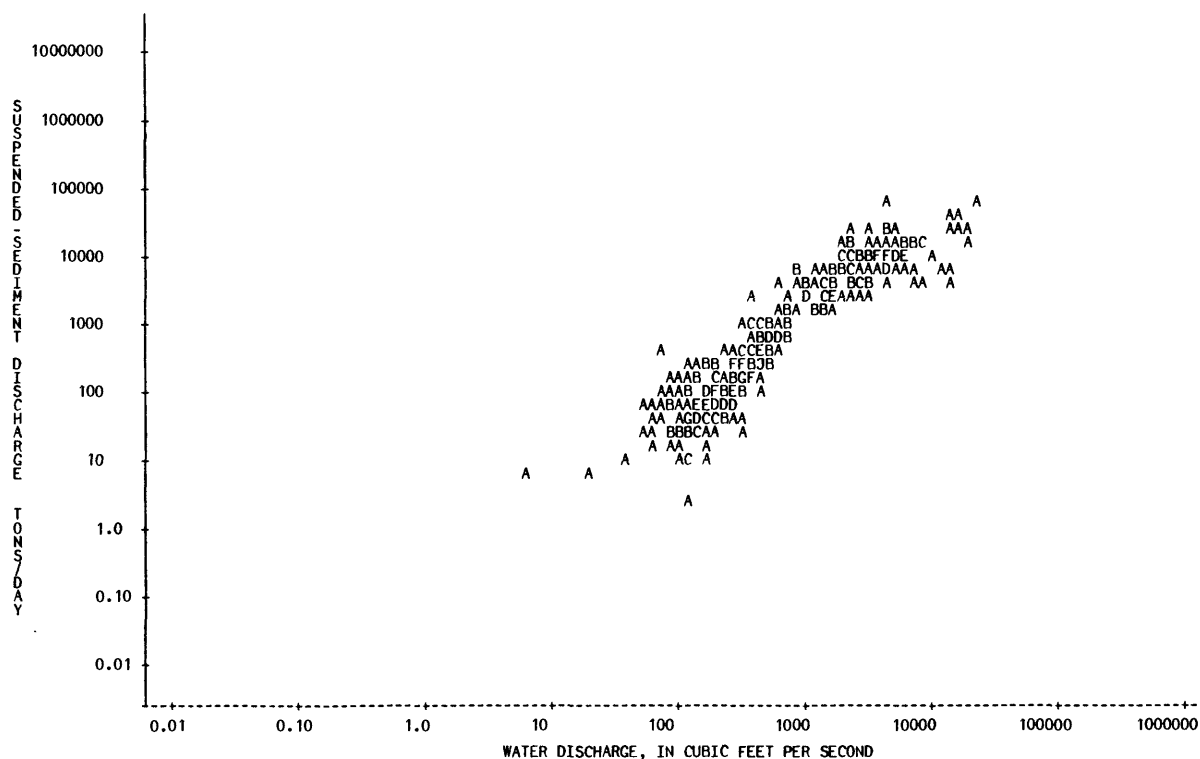
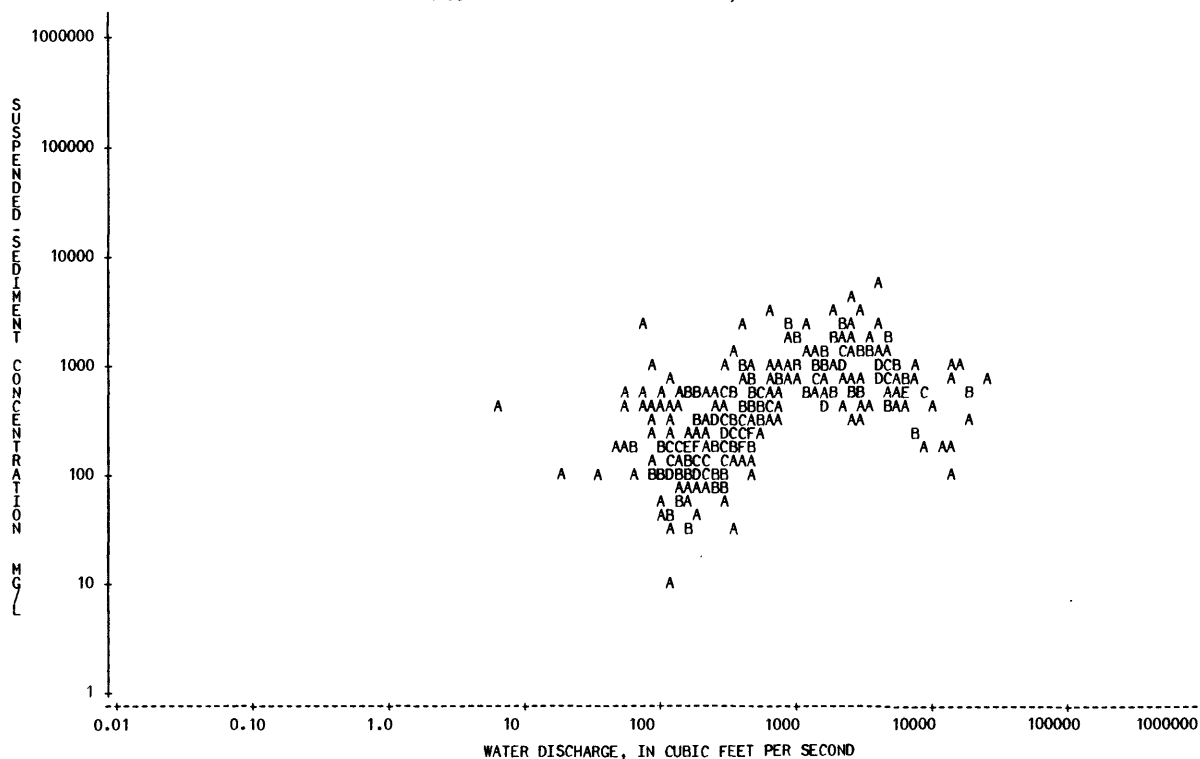
## RED RIVER BASIN

07332500 BLUE RIVER NEAR BLUE, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
74-03-26			141	120	A 46						
74-04-03			2510	1770	A 12000						
74-04-08			118	120	A 38						
74-04-15			114	120	A 37						
74-04-30			707	1100	A 2100						
74-05-01			2780	570	A 4280						
74-05-23			110	100	A 30						
74-05-28			215	140	A 81						
74-06-08			2530	590	A 4030						
74-06-10			421	210	A 239						
74-06-18			145	400	A 157						
74-08-12			151	540	A 220						
74-08-27			299	360	A 291						
74-09-03			124	250	A 84						
74-09-17			3310	370	A 3310						
74-09-26			4520	400	A 4880						
74-10-03			132	170	A 61						
74-10-31			18600	310	A 15600						
74-11-01			11100	190	A 5690						
74-11-04			1590	930	A 3990						
74-11-11			2050	1500	A 8300						
74-12-02			207	90	A 50						
75-01-03			1110	560	A 1680						
75-01-14			191	110	A 57						
75-01-31			4270	5190	A 59800						
75-02-03			2020	1310	A 7140						
75-02-10			356	170	A 163						
75-03-07			313	500	A 423						
75-03-17			1690	1440	A 6570						
75-04-15			460	140	A 174						
75-04-28			225	110	A 67						
75-05-05			636	370	A 635						
75-05-28			406	1010	A 1110						
75-06-09			1120	2190	A 6620						
75-06-10			6030	810	A 13200						
75-06-24			144	110	A 43						
75-07-07			107	40	A 12						
76-03-16			131	190	A 67						
76-04-21			9320	390	A 9810						
76-05-03			173	130	A 61						
76-05-24			438	890	A 1050						
77-01-18			165	60	A 27						
77-03-28	1540	13900		673	A 25300						
77-03-31	1408	499		710	A 957						
77-04-11	1048	158		130	A 55						
77-04-21	1143	515		440	A 612						
77-04-26	1008	180		170	A 83						
77-05-11	1108	212		117	A 67						
78-02-13	1413	2380		2310	A 14800						
78-02-22	1322	112		10	A 3.0						

\*\*\*\*\*  
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07332500 BLUE RIVER NEAR BLUE, OKLA.



## RED RIVER BASIN

07332900 COAL CREEK NEAR LEHIGH, OKLA.

LOCATION.--Lat 34°27'06", Long 96°13'56", on west line of sec.23, T.1 S., R.10 E., Coal County, Hydrologic Unit 1114D103, on downstream side of county road bridge, 1.5 mi (2.4 km) southwest of intersection of county road and U.S. Highway 75 in Lehigh, 2.4 mi (3.9 km) upstream from French Henry Creek and at mile 6.4 (10.3 km).

DRAINAGE AREA.--8.50 mi<sup>2</sup> (22.02 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1978-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-05-04		1100	0.94	46	0.12	79-02-27		1700	4.0	64	0.69
78-05-04		1101	0.94	38	0.10	79-02-28		0730	22	141	8.4
78-05-05		1100	0.52	47	0.07	79-02-28		0731	22	140	8.3
78-05-06		0800	0.57	43	0.07	79-02-28		0740	21	139	7.9
78-05-07		0815	0.47	27	0.03	79-02-28		1000	18	98	4.8
78-05-08		0820	0.27	28	0.02	79-03-01		0730	4.6	130	1.6
78-05-09		0820	0.27	22	0.02	79-03-02		1030	1.4	115	0.43
78-05-10		0830	0.16	22	0.01	79-03-02		2200	5.0	92	1.2
78-05-11		0850	0.10	13	0.00	79-03-03		0215	22	190	11
78-05-12		0900	0.07	16	0.00	79-03-03		0635	39	208	22
78-05-13		0910	0.04	10	0.00	79-03-03		0640	39	238	25
78-05-14		0915	0.06	10	0.00	79-03-03		1020	26	169	12
78-05-15		0920	0.03	12	0.00	79-03-03		1021	26	156	11
78-05-16		0930	0.02	10	0.00	79-03-03		1030	26	172	12
78-05-17		0945	0.06	18	0.00	79-03-03		1200	22	156	9.3
78-05-18		0950	0.03	14	0.00	79-03-05		1100	1.2	78	0.25
78-05-19		1000	0.03	14	0.00	79-03-06		1115	0.68	74	0.14
78-05-20		1000	0.02	11	0.00	79-03-07		1130	0.35	39	0.04
78-05-21		1005	0.04	12	0.00	79-03-08	3		0.20	19	0.01
78-05-22		1015	0.03	12	0.00	79-03-18		1200	0.23	28	0.02
78-05-23		1020	0.03	10	0.00	79-03-18		2400	0.68	54	0.10
78-05-24	3		0.02	9	0.00	79-03-19		0330	3.4	50	0.46
78-05-28		1230	15	75	3.0	79-03-19		1210	44	4190	498
78-05-28		1320	20	85	4.6	79-03-19		1215	57	5250	808
78-05-28		2200	21	147	8.3	79-03-19		1330	131	905	320
78-06-01		1300	0.18	31	0.02	79-03-19		1345	189	1490	760
78-06-01		2200	4.9	200	2.6	79-03-19		1400	252	2100	1430
78-06-01		2230	20	40	2.2	79-03-19		1430	290	1590	1240
78-06-02		1130	4.7	98	1.2	79-03-19		1500	325	2980	2610
78-06-13		1400	0.03	28	0.00	79-03-19		1515	356	4020	3860
78-06-13		1401	0.03	12	0.00	79-03-19		1545	536	3760	5440
78-07-24		1400	5.9	88	1.4	79-03-19		1600	779	3190	6710
78-07-25		1400	0.02	124	0.01	79-03-19		1615	1150	2790	8660
78-07-25		1401	0.02	113	0.01	79-03-19		1700	1990	1760	9460
78-11-16		1630	1.1	464	1.4	79-03-22		0645	14	338	13
78-11-16		1631	1.1	268	0.80	79-03-22		0855	36	160	16
78-11-16		1645	0.84	378	0.86	79-03-22		1030	149	280	113
78-11-25		2315	0.05	177	0.02	79-03-22		1120	207	350	196
78-11-26		0430	0.14	668	0.25	79-03-22		1255	233	395	248
78-11-26		0615	2.8	410	3.1	79-03-22		1459	164	327	145
78-11-26		0800	1.2	183	0.59	79-03-22		1530	138	311	116
78-11-26		1050	18	407	20	79-03-27		1415	1.1	62	0.18
78-11-26		1051	18	328	16	79-03-27		1416	1.1	34	0.10
78-11-26		1200	21	519	29	79-03-28		0245	1.1	30	0.09
79-02-22		0925	0.23	119	0.07	79-03-29		0230	1.0	29	0.08
79-02-22		0926	0.23	86	0.05	79-03-30		2115	2.1	44	0.25
79-02-23	1		0.35	73	0.07	79-04-01		0300	2.3	58	0.36
79-02-24		1230	3.9	160	1.7	79-04-01		0600	3.1	42	0.35
79-02-25	1		0.25	138	0.09	79-04-02			4.2	35	0.40
79-02-27		0930	5.7	97	1.5	79-04-03	2		1.8	25	0.12
79-02-27		1230	5.0	69	0.93	79-04-06	4		0.68	17	0.03
79-02-27		1245	4.8	67	0.87	79-04-10		2100	10.0	45	1.2
79-02-27		1246	4.8	69	0.89	79-04-11		0435	24	280	18

\*\*\*\*\*  
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## RED RIVER BASIN

07332900 COAL CREEK NEAR LEHIGH, OKLA.--CONTINUED

721

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-04-11		0436	24	284	18	79-05-22		1420	157	246	104
79-04-11		0615	36	309	30	79-05-22		1820	85	157	36
79-04-11		0730	88	596	142	79-05-22		2300	78	126	27
79-04-11		0731	88	403	96	79-05-23		0530	30	70	5.7
79-04-11		0735	91	663	163	79-05-23		0929	21	57	3.2
79-04-11		0745	99	686	183	79-05-23		0930	21	60	3.4
79-04-11		0800	110	720	214	79-05-28		2400	406	308	338
79-04-11		0801	110	637	189	79-05-29		0014	369	306	305
79-04-11		0812	119	725	233	79-05-29		0105	296	299	239
79-04-11		0845	145	811	318	79-05-29		0118	280	271	205
79-04-11		0846	145	864	338	79-05-29		0208	170	284	130
79-04-11		0915	159	809	347	79-05-29		0247	121	295	96
79-04-11		0916	159	775	333	79-05-31		1950	3.1	39	0.33
79-04-11		1030	158	609	260	79-06-01		2000	1.4	30	0.11
79-04-11		1031	158	569	243	79-06-02		1030	31	307	26
79-04-11		1315	82	256	57	79-06-02		1530	31	151	13
79-04-11		1316	82	231	51	79-06-03		0915	5.4	49	0.71
79-04-12		0445	6.9	54	1.0	79-06-04		0415	2.1	40	0.23
79-04-12		1730	3.8	50	0.51	79-06-05		0430	1.0	41	0.11
79-04-13		0600	2.4	38	0.25	79-06-05		1325	1.4	73	0.28
79-04-14		0600	1.4	34	0.13	79-06-05		1326	1.4	66	0.25
79-04-15		0600	0.84	30	0.07	79-06-05		1410	5.7	190	2.9
79-04-16	1		0.52	20	0.03	79-06-05		1411	5.7	314	4.8
79-04-18		0630	2.1	57	0.32	79-06-05		1430	13	607	21
79-04-18		0715	3.1	175	1.5	79-06-05		1431	13	783	27
79-04-18		0945	2.1	61	0.35	79-06-05		1440	22	722	43
79-04-18		0946	2.1	74	0.42	79-06-05		1441	22	803	48
79-04-18		1030	2.5	50	0.34	79-06-05		1448	27	673	49
79-04-18		1419	13	50	1.8	79-06-05		1449	27	696	51
79-04-18		1420	13	64	2.2	79-06-05		1454	30	536	43
79-04-19		0615	4.2	41	0.46	79-06-05		1455	30	493	40
79-04-20		0630	1.9	31	0.16	79-06-05		1534	30	174	14
79-04-21		0645	1.2	28	0.09	79-06-05		1535	30	168	14
79-04-22		0700	0.92	22	0.05	79-06-05		1615	35	296	28
79-04-23		0715	0.76	24	0.05	79-06-05		1616	35	315	30
79-04-24		0715	0.76	22	0.05	79-06-05		1630	61	428	70
79-04-25		0730	0.52	25	0.04	79-06-05		1631	61	393	65
79-04-26		0730	0.35	25	0.02	79-06-05		1637	74	412	82
79-04-27		0745	0.26	26	0.02	79-06-05		1638	74	454	91
79-04-28		0800	0.17	30	0.01	79-06-05		1645	89	537	129
79-04-29		0800	0.17	30	0.01	79-06-05		1646	89	587	141
79-04-30		0815	0.17	24	0.01	79-06-05		1655	122	663	218
79-05-01		0830	0.17	32	0.01	79-06-05		1656	122	712	235
79-05-02		0830	0.17	21	0.01	79-06-05		1706	146	691	272
79-05-03		0845	0.17	22	0.01	79-06-05		1707	146	693	273
79-05-03		0846	0.17	37	0.02	79-06-05		1717	163	806	355
79-05-03		1945	0.40	30	0.03	79-06-05		1718	163	756	333
79-05-04		0900	0.52	26	0.04	79-06-05		1729	211	818	466
79-05-05		0910	0.46	33	0.04	79-06-05		1730	211	844	481
79-05-06		0915	0.35	38	0.04	79-06-05		1739	225	873	530
79-05-07		0930	0.30	29	0.02	79-06-05		1740	225	823	500
79-05-08		0940	0.20	24	0.01	79-06-05		1759	252	908	618
79-05-11		1245	0.26	102	0.07	79-06-05		1800	252	895	609
79-05-12		1300	1.1	55	0.16	79-06-05		1815	268	913	661
79-05-13		1300	0.46	36	0.04	79-06-05		1816	268	896	648
79-05-15		2330	0.12	29	0.01	79-06-05		1830	282	920	700
79-05-16		0759	0.10	31	0.01	79-06-05		1831	282	958	729
79-05-16		0800	0.10	53	0.01	79-06-05		1848	289	883	689
79-05-16		2345	0.10	35	0.01	79-06-05		1908	296	513	410
79-05-17		2345	0.07	34	0.01	79-06-05		1909	296	743	594
79-05-18		2345	0.02	33	0.00	79-06-05		2035	296	658	526
79-05-21		0232	9.8	163	4.3	79-06-05		2036	296	509	407
79-05-21		0233	9.8	227	6.0	79-06-05		2057	290	364	285
79-05-21		0344	26	400	28	79-06-05		2058	290	515	403
79-05-21		0345	26	456	32	79-06-05		2150	272	305	224
79-05-21		0529	92	681	169	79-06-05		2151	272	288	212
79-05-21		0530	92	735	183	79-06-05		2220	257	263	182
79-05-21		0659	157	762	323	79-06-05		2330	186	227	114
79-05-21		0700	157	755	320	79-06-06		0130	100	130	35
79-05-21		0759	145	616	241	79-06-06		0415	55	86	13
79-05-21		0800	145	589	231	79-06-06		0727	34	64	5.9
79-05-21		0940	77	177	37	79-06-06		0728	34	82	7.5
79-05-21		1230	29	120	9.4	79-06-07		0415	5.7	44	0.68
79-05-21		1815	12	90	2.9	79-06-08		0445	1.9	43	0.22
79-05-22		0150	27	831	61	79-06-09	1		1.0	27	0.07
79-05-22		0245	77	527	110	79-06-11		0515	0.35	33	0.03
79-05-22		0315	222	902	541	79-06-12	3		0.20	19	0.01
79-05-22		0330	259	1240	867	79-06-16	3		0.07	16	0.00
79-05-22		0345	287	1810	1400	79-07-17		2015	5.9	197	3.1
79-05-22		0415	316	1950	1660	79-07-18		0545	0.52	120	0.17
79-05-22		0445	342	1410	1300	79-07-19		0600	0.07	41	0.01
79-05-22		0530	398	1110	1190	79-08-31		1920	196	53	28
79-05-22		0700	590	549	875	79-08-31		1950	231	452	282
79-05-22		0730	587	432	685	79-08-31		2235	84	372	84
79-05-22		0845	430	336	390	79-09-01		0040	23	332	21
79-05-22		1000	339	337	308	79-09-01		0350	7.8	289	6.1
79-05-22		1100	306	334	276	79-09-02		0400	0.17	141	0.06
79-05-22		1200	278	328	246	79-09-03		0420	0.02	101	0.01
79-05-22		1310	225	289	176	80-02-08		1820	37	160	16

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

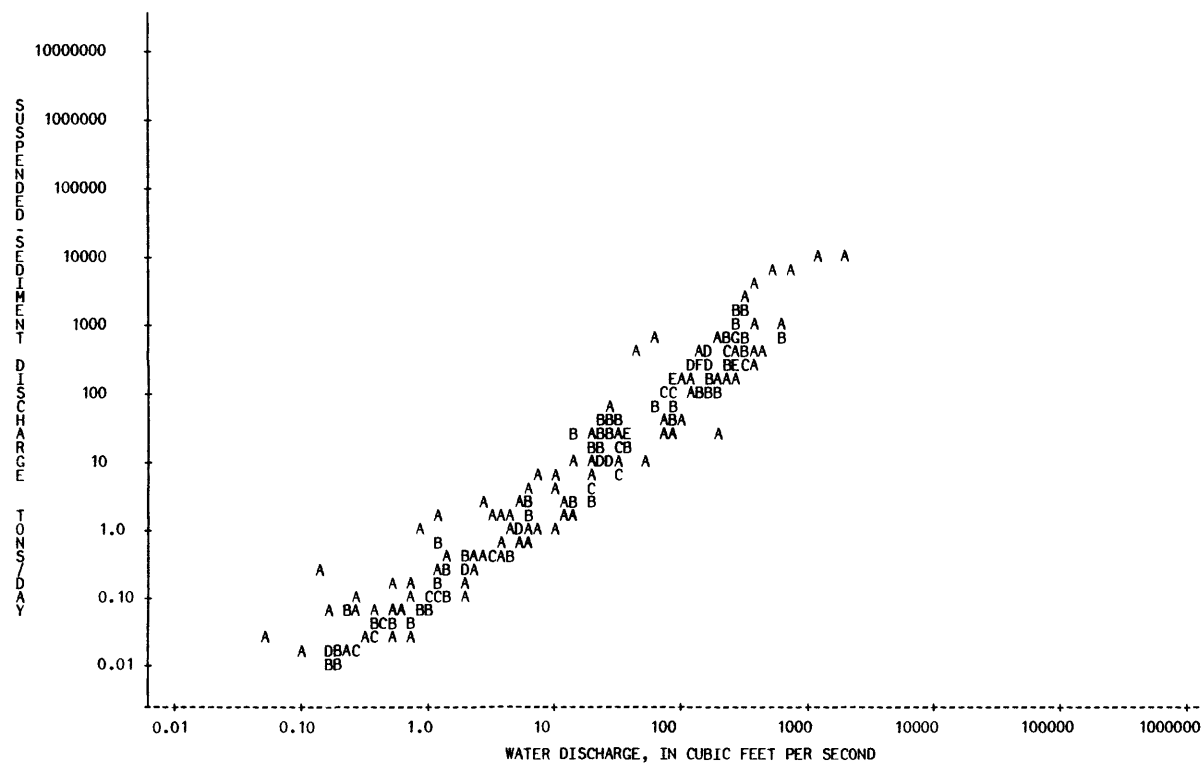
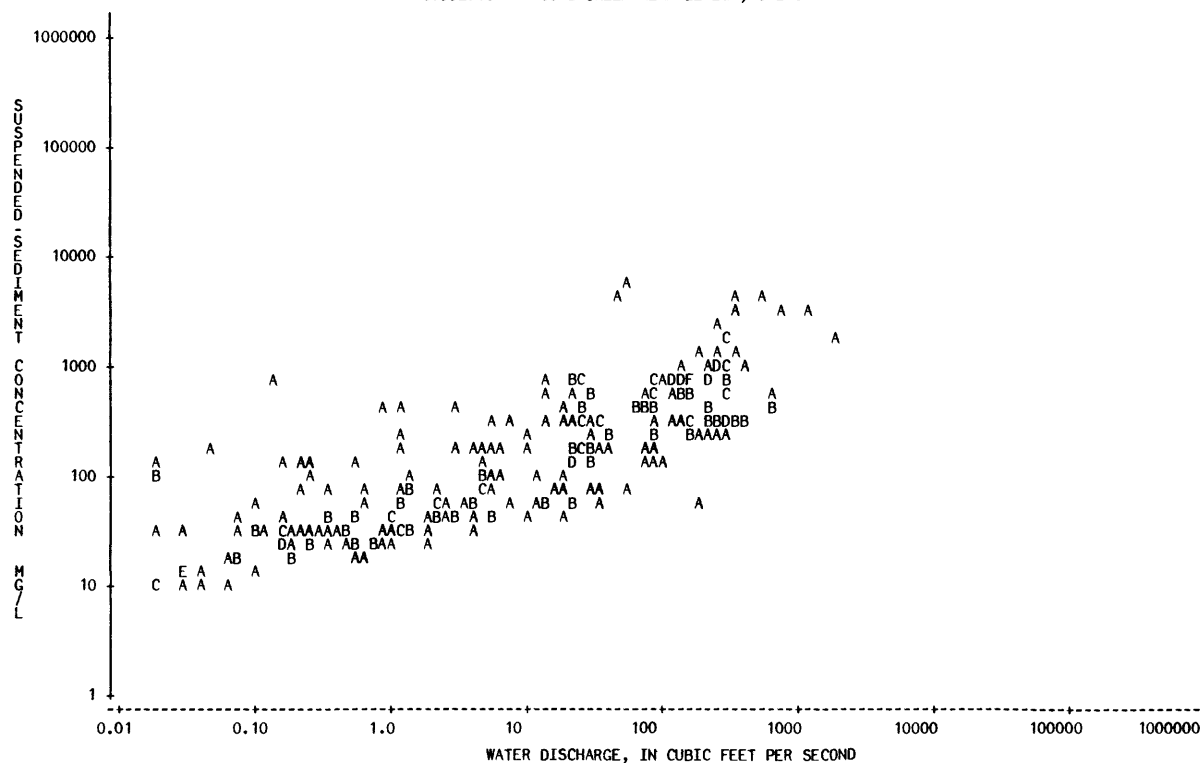
07332900 COAL CREEK NEAR LEHIGH, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
80-02-09	0815		5.7	71	1.1						
80-04-03	0200		24	322	21						
80-05-15	1840		31	231	19						
80-05-19	0140		82	282	62						
80-05-30	0245		595	432	694						
80-05-30	0945		206	211	117						
80-09-28	1345		157	209	89						
80-09-28	1710		85	139	32						
80-09-29	0820		12	55	1.8						

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07332900 COAL CREEK NEAR LEHIGH, OKLA.



## RED RIVER BASIN

07332950 MUDDY BOGGY CREEK AT ATOKA, OKLA.

LOCATION.--Lat 34°23'23", long 96°07'12", in SE 1/4 SW 1/4 sec.11, T.2 S., R.11 E., Atoka County, Hydrologic Unit 11140103, on right downstream side of MKT railroad bridge in northeast Atoka and at mile 80.1 (128.9 km).

DRAINAGE AREA.--445 mi<sup>2</sup> (1,153 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1979-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-10-01		0730	3.6	330	3.2	79-03-08		1700	64	814	141
78-10-02		0730	3.0	244	2.0	79-03-09		1300	614	248	411
78-10-04		0730	3.6	153	1.5	79-03-12			6945	1010	18900
78-12-08		0830	2.6	214	1.5	79-03-13		0955	20	161	8.9
78-12-09		0830	2.6	67	0.47	79-03-17		1700	8.4	1210	27
78-12-11		1000	1.6	142	0.61	79-03-18		1000	11	966	29
78-12-12		0900	2.6	126	0.88	79-03-19		0800	85	325	75
78-12-13		0900	2.6	124	0.87	79-03-20		0800	7049	1120	21300
78-12-14		0900	2.6	120	0.84	79-03-20		1700	6613	908	16200
78-12-14		0910	2.7	31	0.23	79-03-21		0820	6086	838	13800
78-12-15		0800	1.9	114	0.58	79-03-21		1232	5980	598	9660
78-12-16		0900	1.4	107	0.40	79-03-21		1800	5633	711	10800
78-12-17		0800	2.2	121	0.72	79-03-22		0800	1845	730	3640
78-12-21		0900	2.6	136	0.95	79-03-22		1700	1811	742	3630
78-12-22		1310	2.6	1800	13	79-03-23		0800	2959	1030	8230
78-12-23		1300	2.6	1860	13	79-03-23		1200	2959	1020	8150
78-12-25		1530	2.6	2180	15	79-03-23		1700	2981	940	7570
78-12-26		1530	2.6	464	3.3	79-03-24		0800	1297	434	1520
78-12-27		1400	1.9	1030	5.3	79-03-24		1200	1171	509	1610
78-12-28		1530	1.9	1000	5.1	79-03-24		1700	744	504	1010
78-12-29		0800	1.1	106	0.31	79-03-25		0700	242	328	214
78-12-29		1500	2.2	290	1.7	79-03-25		0800	334	416	375
78-12-30		1430	2.6	1290	9.1	79-03-25		1200	255	327	225
78-12-31		1500	2.6	931	6.5	79-03-26		1700	165	219	98
79-01-16		0800	3.8	103	1.1	79-03-27		0800	141	886	337
79-01-26		0825	58	52	8.2	79-03-28		0800	124	2160	723
79-02-14		1000	186	307	154	79-03-28		1700	106	1480	424
79-02-23		0849	11	178	5.3	79-03-29		0900	93	1330	334
79-02-24		0900	1141	3010	9270	79-03-30		0732	566	437	668
79-02-25		0800	990	637	1700	79-03-30		0847	447	372	449
79-02-25		1200	1010	591	1610	79-03-31		0800	92	624	155
79-02-25		1700	1031	685	1910	79-04-02		0800	3409	1860	17100
79-02-26		0700	2009	841	4560	79-04-02		1200	3559	1420	13600
79-02-26		0800	1988	797	4280	79-04-02		1800	3260	879	7740
79-02-27		0800	1180	514	1640	79-04-03		0600	429	379	439
79-02-27		1200	1201	491	1590	79-04-03		0800	914	439	1080
79-02-28		0942	1108	300	897	79-04-04		0900	669	328	592
79-02-28		1200	833	277	623	79-04-08		0700	87	532	125
79-02-28		1700	833	276	621	79-04-08		1300	606	427	699
79-03-01		1700	145	251	98	79-04-09		1800	58	868	136
79-03-02		1700	260	392	275	79-04-10		1500	49	746	99
79-03-03		0800	877	499	1180	79-04-11		1300	735	381	756
79-03-03		1700	790	5200	11100	79-04-12		0600	2593	823	5760
79-03-04		1200	1051	352	999	79-04-13		0600	447	895	1080
79-03-04		1700	855	1440	3320	79-04-13		1130	868	1090	2550
79-03-05		0800	363	2350	2300	79-04-14		0700	234	620	392
79-03-05		1000	32	551	48	79-04-15		0700	141	375	143
79-03-06		1700	77	336	70	79-04-17		0800	62	1240	208
79-03-07		0817	95	208	53	79-04-18		0700	353	152	145
79-03-07		1200	103	550	153	79-04-18		1325	106	126	36
79-03-08		0900	55	840	125	79-04-19		0600	891	417	1000
79-03-08		1200	334	1100	992	79-04-19		0800	182	141	69
79-03-08		1300	923	270	673	79-04-20		0600	932	430	1080

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-04-20	0700	846	602	1380	79-07-12	0609	79	252	54		
79-04-21	0600	141	596	227	79-07-12	2000	169	421	192		
79-04-21	0700	312	514	433	79-07-13	2000	68	1880	345		
79-04-22	0500	187	553	279	79-07-18	1900	713	1060	2040		
79-04-23	0600	356	392	377	79-07-19	1600	193	329	171		
79-04-24	0600	80	810	175	79-07-19	1935	149	304	122		
79-04-24	0802	92	116	29	79-07-20	2000	87	256	60		
79-04-27	0735	39	101	11	79-07-21	2100	53	300	43		
79-04-28	0700	28	575	43	79-07-22	2100	31	332	28		
79-05-03	1900	16	101	4.4	79-07-23	2000	20	309	17		
79-05-05	2000	397	514	551	79-07-31	0830	7.6	149	3.1		
79-05-06	1600	149	222	89	79-08-02	0800	5.7	466	7.2		
79-05-08	0845	77	211	44	79-08-03	0800	7.9	254	5.4		
79-05-08	1300	19	165	8.5	79-08-08	1755	4.5	62	0.75		
79-05-08	1400	19	482	25	79-08-11	0900	2.8	510	3.9		
79-05-08	1600	1018	448	1230	79-08-12	1900	14	241	9.1		
79-05-08	1900	40	204	22	79-08-13	0900	34	448	41		
79-05-10	1600	30	1060	86	79-08-13	1735	26	125	8.9		
79-05-11	2000	46	514	64	79-08-14	1000	20	1300	70		
79-05-12	0900	44	831	99	79-08-15	0900	11	262	7.8		
79-05-12	2000	390	599	631	79-08-16	0900	8.1	712	16		
79-05-13	2000	266	383	275	79-08-16	1620	9.4	101	2.6		
79-05-14	2000	106	205	59	79-08-17	1000	127	623	214		
79-05-16	0805	38	195	20	79-08-18	1800	29	271	21		
79-05-16	1600	36	696	68	79-08-21	1500	51	280	39		
79-05-17	1600	27	321	23	79-08-21	1620	196	229	121		
79-05-21	1600	2139	638	3680	79-08-24	0900	132	590	210		
79-05-21	1900	2793	991	7470	79-08-25	0530	59	405	65		
79-05-22	1200	4972	804	10800	79-08-26	1000	28	465	35		
79-05-22	1700	5209	678	9540	79-08-29	0900	321	933	809		
79-05-22	2000	4052	1210	13200	79-08-29	1640	165	756	337		
79-05-23	1200	5019	425	5760	79-08-30	1800	53	504	72		
79-05-23	1700	5043	491	6690	79-08-31	0900	36	515	50		
79-05-23	2000	5185	633	8860	79-09-01	0800	161	435	189		
79-05-24	1005	3600	136	1320	79-09-02	0900	31	511	43		
79-05-24	1800	990	212	567	79-09-03	0800	42	392	44		
79-05-24	2000	3874	195	2040	79-09-04	2000	28	360	27		
79-05-25	2100	318	182	156	79-09-05	0900	19	403	21		
79-05-29	1200	4210	740	8410	79-09-06	0900	16	327	14		
79-05-29	1700	103	699	194	79-09-06	1800	16	256	11		
79-05-29	2100	4210	648	7370	79-09-07	0900	15	256	10		
79-05-30	1900	1201	258	837	79-09-08	0900	11	215	6.4		
79-05-30	2000	2945	512	4070	79-09-09	0900	8.4	223	5.1		
79-05-31	0937	303	152	124	79-09-10	0900	7.2	364	7.1		
79-06-01	2000	165	152	68	79-09-11	0900	5.1	199	2.7		
79-06-03	2100	1106	742	2220	79-09-12	1000	5.1	237	3.3		
79-06-04	2100	255	226	156	79-09-13	0900	3.6	167	1.6		
79-06-05	0945	119	153	49	79-09-13	1615	3.1	162	1.4		
79-06-06	0748	1337	368	1330	79-09-14	1000	3.0	158	1.3		
79-06-06	1400	900	284	690	79-09-15	0900	3.0	157	1.3		
79-06-07	1700	3226	1430	12500	79-09-16	1000	3.0	277	2.2		
79-06-07	2000	946	240	613	79-09-17	0900	3.0	156	1.3		
79-06-08	1200	5619	671	10200	79-09-18	0800	2.6	755	5.3		
79-06-08	1700	6236	497	8370	79-09-19	0900	2.6	838	5.9		
79-06-08	2000	4784	691	8930	79-09-20	0800	2.1	860	4.9		
79-06-09	1200	8775	362	8580	79-09-20	1555	2.8	166	1.3		
79-06-09	1800	8857	292	6980	79-09-21	0800	1.8	352	1.7		
79-06-09	2000	8503	291	6680	79-09-22	0900	2.9	469	3.7		
79-06-10	1200	7956	511	11000	79-09-23	0900	4.2	289	3.3		
79-06-10	1800	7355	892	17700	79-09-24	0800	4.2	138	1.6		
79-06-10	2000	8191	393	8690	79-09-25	0900	4.2	122	1.4		
79-06-11	1200	6997	426	8050	79-09-26	0800	3.6	125	1.2		
79-06-11	1800	7049	570	10800	79-09-26	1755	3.4	192	1.8		
79-06-11	2000	6920	627	11700	79-09-27	0900	4.2	116	1.3		
79-06-12	1200	6276	736	12500	79-09-29	0900	2.7	114	0.83		
79-06-12	1800	4382	4930	58300	79-09-30	0900	2.3	102	0.63		
79-06-12	1900	6705	1410	25500	79-10-01	0900	2.0	138	0.75		
79-06-13	0840	386	252	263	79-10-02	0800	1.3	110	0.39		
79-06-13	1800	285	1620	1250	79-10-03	0800	1.1	111	0.33		
79-06-14	2000	219	248	147	79-10-04	1230	0.98	98	0.26		
79-06-15	1800	143	755	292	79-10-04	1700	0.99	107	0.29		
79-06-16	2100	126	178	61	79-10-05	1700	1.9	113	0.58		
79-06-17	1800	285	1080	831	79-10-06	0800	1.9	105	0.54		
79-06-19	0830	53	125	18	79-10-07	0900	1.6	114	0.49		
79-06-21	1900	34	374	34	79-10-08	0800	1.6	141	0.61		
79-06-22	1800	23	425	26	79-10-09	0800	1.6	106	0.46		
79-06-23	0815	25	83	5.6	79-10-09	1725	1.3	119	0.42		
79-06-26	1800	59	713	114	79-10-10		1.4	107	0.40		
79-06-27	1600	182	886	435	79-10-11	0900	1.4	108	0.41		
79-06-28	0900	107	144	42	79-10-12	0900	1.4	92	0.35		
79-06-28	1900	92	664	165	79-10-13	0900	1.4	95	0.36		
79-06-29	1900	62	837	140	79-10-14	0900	1.4	42	0.16		
79-07-01	2100	34	416	38	79-10-15		0.99	93	0.25		
79-07-02	2000	23	772	48	79-10-16	1600	1.4	250	0.94		
79-07-06	0845	14	150	5.8	79-10-17	0900	2.6	128	0.90		
79-07-08	2000	425	304	349	79-10-17	1350	3.5	158	1.5		
79-07-09	2000	169	2280	1040	79-10-18	0900	2.6	131	0.92		
79-07-10	2000	68	442	81	79-10-19	1700	2.6	112	0.79		
79-07-11	2000	44	1420	169	79-10-20	0900	2.6	102	0.72		

\*\*\*\*\*  
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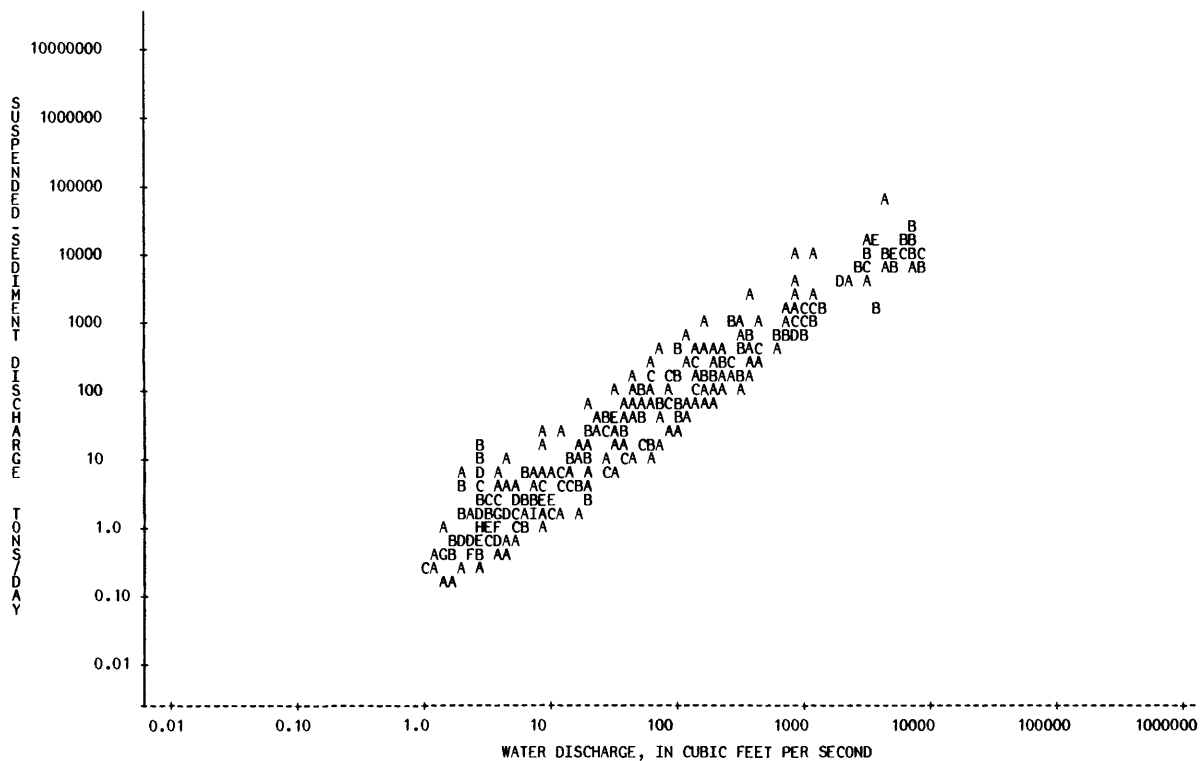
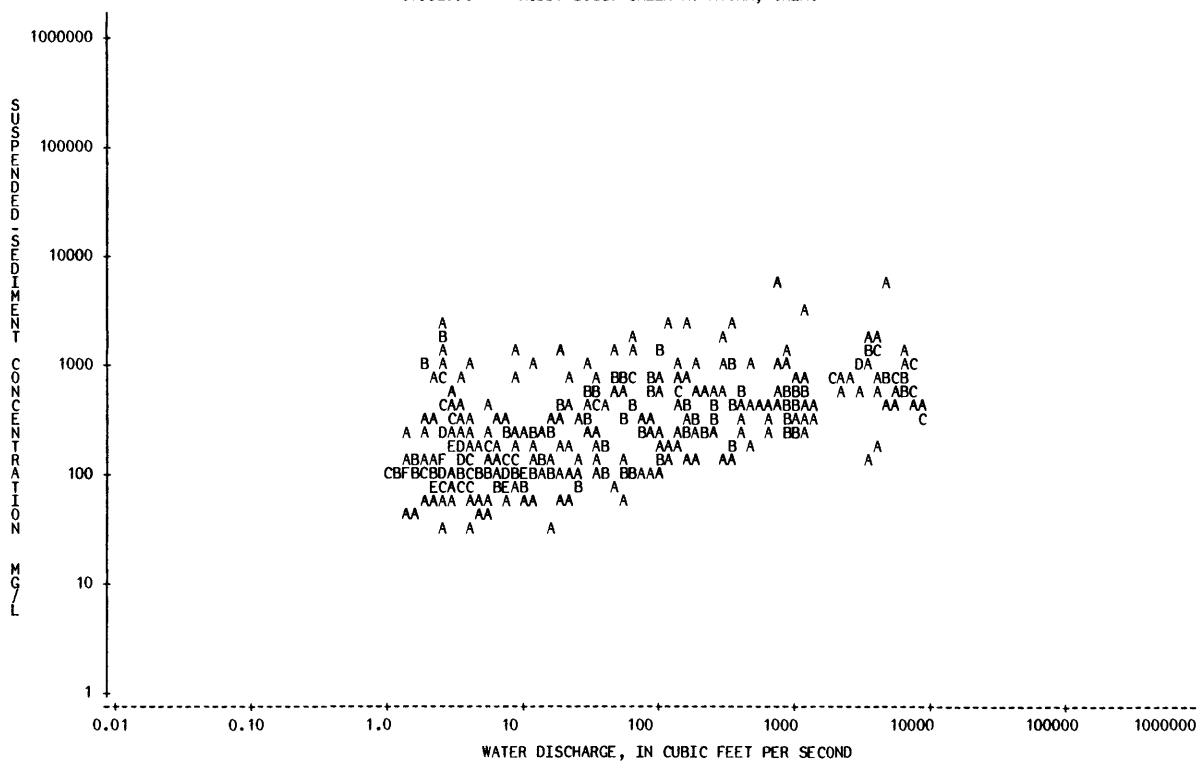
## RED RIVER BASIN

07332950 MUDDY BOGGY CREEK AT ATOKA, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
79-10-21	0800		2.6	105	0.74	80-03-11	0900		4.5	42	0.51
79-10-22	1700		6.1	133	2.2	80-03-11	1515		3.9	60	0.63
79-10-23	0800		9.7	266	7.0	80-03-18	0900		5.3	63	0.90
79-10-24	0900		8.4	151	3.4	80-03-19	0900		5.3	45	0.64
79-10-24	1605		7.6	133	2.7	80-03-19	1020		5.0	89	1.2
79-11-07	0800		8.5	173	4.0	80-03-20	0900		72	95	18
79-11-07	1600		7.2	222	4.3	80-03-21	0900		21	57	3.2
79-11-08	1000		6.1	351	5.8	80-03-22	0900		19	56	2.9
79-11-09	0800		5.1	189	2.6	80-03-25	0900		9.7	56	1.5
79-11-10	0900		4.3	1030	12	80-03-25	1320		8.4	68	1.5
79-11-11	0800		3.6	215	2.1	80-03-29	0900		16	34	1.5
79-11-12	1700		3.6	181	1.8	80-04-01	0900		11	51	1.5
79-11-13	0900		3.6	657	6.4	80-04-01	1425		9.6	69	1.8
79-11-14	0800		3.0	314	2.5	80-04-02	0900		7.9	51	1.1
79-11-15	0735		2.8	98	0.74	80-04-03	0900		37	90	9.0
79-11-15	1600		2.6	217	1.5	80-04-04	0900		25	114	7.7
79-11-16	0900		2.6	213	1.5	80-04-05	0900		16	117	5.1
79-11-17	0900		2.6	441	3.1	80-04-08	1515		5.9	179	2.9
79-11-18	1000		2.6	450	3.2	80-04-15	1430		3.4	106	0.97
79-11-19	0800		2.6	218	1.5	80-04-15	1535		3.4	114	1.0
79-11-20	1000		3.6	395	3.8	80-04-22	1520		2.6	62	0.44
79-11-21	0820		4.8	163	2.1	80-04-30	0830		26	82	5.8
79-11-21	1600		5.1	156	2.1	80-05-03	0821		3769	1780	18100
79-11-22	0900		4.3	159	1.8	80-05-03	1120		3900	1470	15500
79-11-23	1600		3.6	152	1.5	80-05-03	1130		3852	1470	15300
79-11-24	0800		32	164	14	80-05-13	1820		8.7	129	3.0
79-11-28			8.1	133	2.9	80-05-13	1825		7.9	118	2.5
79-11-28	1600		3.7	98	0.98	80-05-20	1310		221	524	313
79-11-29	1000		3.7	86	0.86	80-05-28	1025		13	134	4.7
79-11-30	1500		3.7	214	2.1	80-06-03	1612		140	181	68
79-12-01	1000		3.1	362	3.0	80-06-11	1330		11	120	3.6
79-12-02	0900		3.1	79	0.66	80-06-18	1340		3.6	120	1.2
79-12-03	0900		3.1	65	0.54	80-06-25	1355		36	266	26
79-12-04	0900		2.7	836	6.1	80-07-02	1420		6.8	110	2.0
79-12-05	0900		1.8	269	1.3	80-07-09	1355		2.0	52	0.28
79-12-06	1435		2.3	63	0.39	80-07-16	1030		1.6	39	0.17
79-12-06	1700		2.4	73	0.47	80-07-23	1220		3.8	32	0.33
79-12-07	0900		2.3	79	0.49						
79-12-08	0900		2.3	74	0.46						
79-12-09	0900		2.3	68	0.42						
79-12-10	1000		2.3	100	0.62						
79-12-11	0800		2.3	69	0.43						
79-12-12	0800		2.3	85	0.53						
79-12-13	1000		2.7	76	0.55						
79-12-13	1530		3.4	77	0.71						
79-12-14	0800		3.5	78	0.74						
79-12-15	0800		3.5	76	0.72						
79-12-16	0900		3.7	74	0.74						
79-12-17	1600		3.7	145	1.4						
79-12-18	1000		3.7	83	0.83						
79-12-19	1600		7.4	83	1.7						
79-12-20	0810		7.6	87	1.8						
79-12-20	1600		7.4	74	1.5						
79-12-21	0900		7.4	80	1.6						
79-12-22	1600		7.4	83	1.7						
79-12-23	1600		7.4	97	1.9						
79-12-24	1600		8.6	106	2.5						
79-12-25	1000		8.6	98	2.3						
79-12-26	1600		9.7	94	2.5						
79-12-27	0755		9.7	105	2.7						
79-12-27	1400		12	104	3.4						
79-12-28	1500		105	100	28						
79-12-29	1600		10.0	99	2.7						
80-01-03	0830		7.0	91	1.7						
80-01-10	0800		5.5	106	1.6						
80-01-18	1015		4.8	88	1.1						
80-01-21	1600		47	75	9.5						
80-01-22	1500		56	93	14						
80-01-22	1540		5.3	130	1.9						
80-01-23	1500		65	103	18						
80-01-24	1500		60	97	16						
80-01-27	1100		18	101	4.9						
80-02-06	0830		5.5	107	1.6						
80-02-08	1500		436	181	213						
80-02-09	1000		318	197	169						
80-02-10	0900		227	209	128						
80-02-11	1500		35	124	12						
80-02-13	1015		51	114	16						
80-02-15	0900		32	92	7.9						
80-02-16	1600		21	95	5.4						
80-02-17	1000		15	92	3.7						
80-02-20	0935		11	111	3.3						
80-02-20	1600		13	96	3.4						
80-02-21	1000		9.7	94	2.5						
80-02-22	1500		9.7	75	2.0						
80-02-26			7.2	98	1.9						
80-02-26	1600		6.4	101	1.7						
80-03-04	0900		5.9	70	1.1						
80-03-04	1615		5.9	68	1.1						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07332950 MUDDY BOGGY CREEK AT ATOKA, OKLA.



## RED RIVER BASIN

07333910 MCGEE CREEK NEAR FARRIS, OKLA.

LOCATION.--Lat 34°18'54", long 95°52'30", in NW 1/4 NE 1/4 sec.7, T.3 S., R.14 E., Atoka County, Hydrologic Unit 11140103, on left bank 0.1 mi (0.2 km) downstream from Crooked Creek, 1.1 mi (1.8 km) downstream from Potapo Creek, 3.7 mi (6.0 km) northwest of Farris and at mile 3.5 (5.6 km).

DRAINAGE AREA.--176 mi<sup>2</sup> (456 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1978-80.

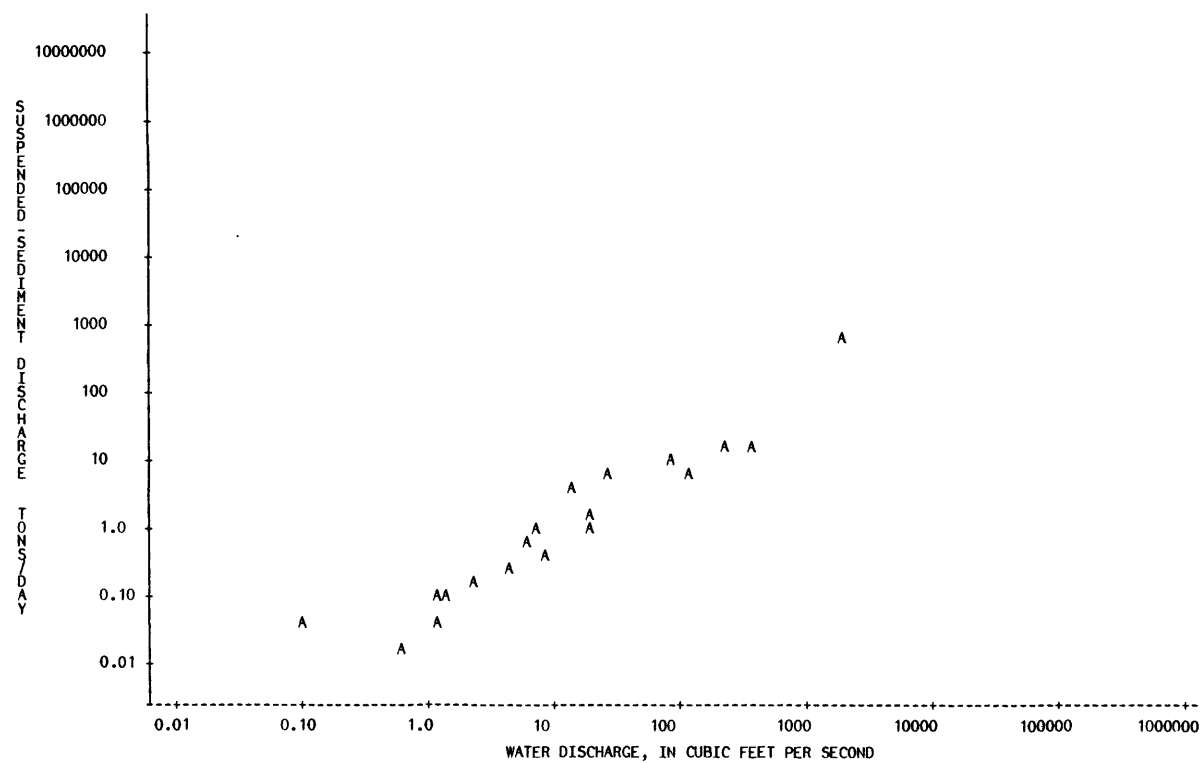
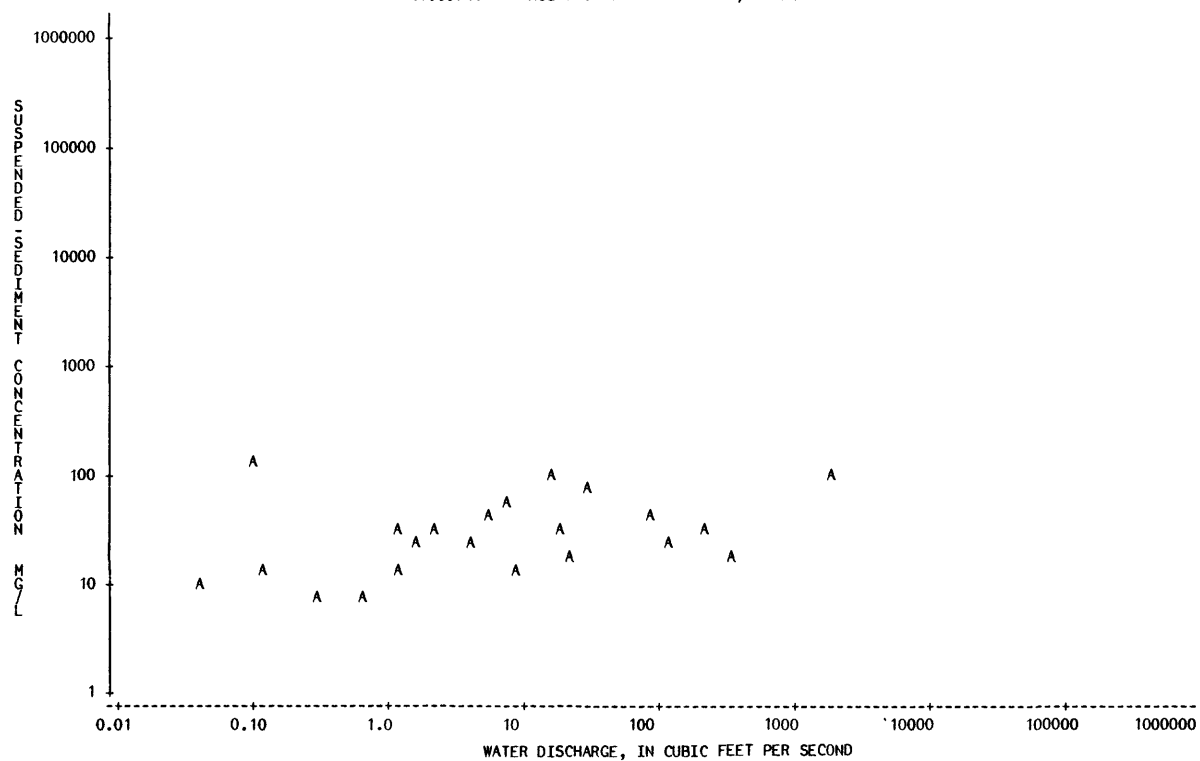
REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-06-27		1500	1.5	27	0.11
78-07-17		1530	0.04	11	0.00
78-08-14		1700	0.28	7	0.01
78-12-07		1230	18 *	34	1.7
78-12-19		1700	4.3 *	22	0.26
79-01-25		1200	84 *	37	8.4
79-02-13		1200	229 *	31	19
79-03-27		1400	117 *	25	7.9
79-04-19		1115	356 *	18	17
79-05-16		1200	29 *	73	5.7
79-06-26		1245	2.2 *	34	0.20
79-07-18		1450	15 *	109	4.4
79-10-24		0900	0.10	128	0.03
79-11-28		1300	0.60	8	0.01
79-12-18		1300	1.2	12	0.04
80-01-15		1400	1.1	35	0.10
80-02-21		1500	21	18	1.0
80-03-25		1000	7.6	62	1.3
80-04-10		1400	9.1	14	0.34
80-06-25		0925	5.8	44	0.69
80-07-09		1030	0.11	12	0.00
80-09-29		1400	1890	113	577

\*\*\*\*\*

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 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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07333910 MCGEE CREEK NEAR FARRIS, OKLA.



## RED RIVER BASIN

D7334000 MUDDY BOGGY CREEK NEAR FARRIS, OKLA.

LOCATION.--Lat 34°16'17", long 95°54'43", in NE 1/4 NW 1/4 sec.26, T.3 S., R.13 E., Atoka County, Hydrologic Unit 11140103, on downstream side of left bank pier of main span of bridge on State Highway 3, 1.3 mi (2.1 km) downstream from McGee Creek, 2.8 mi (4.5 km) northwest of Farris, and at mile 57.7 (92.8 km).

DRAINAGE AREA.--1,087 mi<sup>2</sup> (2,815 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-77.

REMARKS.--Some regulation since June 1959 by Atoka Reservoir on North Boggy Creek. Municipal supply diversions from Atoka Reservoir.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-05-23			8500	1300	A 29800	45-01-11			35	100	A 9.4
38-06-17			147	500	A 198	45-01-26			110	100	A 30
38-07-28			49	100	A 13	45-02-17			2620	300	A 2120
38-07-29	0001		9000	1000	A 24300	45-03-05			8370	1000	A 22600
38-07-29	0002		8900	1600	A 38400	45-03-15			5760	1000	A 15600
38-07-30			5500	1500	A 22300	45-03-19			23900	200	A 12900
38-08-31			3.0	100	A 0.81	45-04-26			5210	500	A 7030
38-09-13			11	300	A 8.9	45-06-13			13400	500	A 18100
38-10-19			1.0	100	A 0.27	45-06-19			22300	500	A 30100
39-03-29	0001		1600	600	A 2590	45-07-06			763	600	A 1240
39-03-29	0002		1900	500	A 2570	45-07-18			176	100	A 48
39-05-10			151	100	A 41	45-08-17			16000	700	A 30200
39-05-16			150	700	A 283	45-09-25			60	2200	A 356
39-06-07			46	300	A 37	45-10-09			600	200	A 324
39-08-30			11	300	A 8.9	45-10-24			504	200	A 272
40-02-05			5.0	200	A 2.7	45-10-31			73	100	A 20
40-02-23			66	300	A 53	46-01-31			166	300	A 134
40-04-08	0001		8400	600	A 13600	46-02-12			1650	200	A 891
40-04-08	0002		7200	500	A 9720	46-02-27			418	200	A 226
40-04-23			70	300	A 57	46-03-08			506	200	A 273
40-04-29			9380	800	A 20300	46-03-21			207	200	A 112
40-04-30			7570	900	A 18400	46-03-25			341	200	A 184
40-05-09			2890	1300	A 10100	46-04-03			330	100	A 89
40-05-24			4950	1200	A 16000	46-04-10			1550	100	A 419
40-09-03			79	500	A 107	46-04-16			1850	400	A 2000
40-09-10			52	800	A 112	46-04-18			4740	800	A 10200
40-09-18			6.0	400	A 6.5	46-04-25			3840	300	A 3110
40-11-28			2910	700	A 5500	46-05-01			1680	600	A 2720
40-12-02			105	100	A 28	46-05-08			139	100	A 38
41-04-24			4010	300	A 3250	46-05-21			346	100	A 93
42-06-23			9060	800	A 19600	46-06-03			4000	200	A 2160
42-07-12			6140	800	A 13300	46-07-03			565	800	A 1220
42-08-10			72	5100	A 991	46-07-11			24	400	A 26
42-09-03			6.0	200	A 3.2	46-08-29			726	1500	A 2940
42-09-08	0001		3300	1600	A 14300	46-09-03			25	600	A 40
42-09-08	0002		4370	1000	A 11800	46-09-25			15	300	A 12
42-09-14			66	3600	A 642	46-11-05			11400	700	A 21500
43-10-01			740	600	A 1200	46-11-06			22700	1000	A 61300
43-10-16			153	1300	A 537	46-11-09			7070	800	A 15300
43-12-17			32	1000	A 86	46-11-26			68	400	A 73
44-01-01			175	700	A 331	46-12-13			28900	800	A 62400
44-01-13			642	600	A 1040	47-01-14			198	200	A 107
44-01-25			95	100	A 26	47-01-22			99	200	A 53
44-02-26			3920	500	A 5290	47-03-25			560	200	A 302
44-04-04			677	300	A 548	47-04-03			101	200	A 55
44-04-28			55	200	A 30	47-04-18			3150	800	A 6800
44-05-05			1890	200	A 1020	47-04-29			5950	700	A 11200
44-05-11			260	100	A 70	47-05-20			14900	600	A 24100
44-05-26			937	300	A 759	47-06-05			7410	600	A 12000
44-06-15			757	300	A 613	47-06-17			77	300	A 62
44-08-09			4.0	300	A 3.2	47-08-14			54	500	A 73
44-10-11			769	1100	A 2280	47-11-25			190	300	A 154
44-10-19			18	100	A 4.9	47-12-08			2090	900	A 5080

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 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07334000 MUDDY BOGGY CREEK NEAR FARRIS, OKLA.--CONTINUED

731

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
47-12-16			923	100	A 249	57-04-20			6000	1140	A 18500
48-01-05			440	400	A 475	57-04-27			23000	300	A 18600
48-03-02			8700	500	A 11700	57-05-06			1380	250	A 932
48-03-10			507	100	A 137	57-05-16			1060	990	A 2830
48-05-18			4350	2200	A 25800	57-06-04			17700	220	A 10500
48-05-25			5380	1700	A 24700	57-06-13			615	440	A 731
48-06-30			1070	1500	A 4330	57-09-22			24800	480	A 32100
48-07-12			9500	1400	A 35900	57-10-18			91	60	A 15
48-07-14			3890	800	A 8400	57-11-25			708	200	A 382
49-02-07			960	300	A 778	57-12-12			207	130	A 73
49-02-16			3050	600	A 4940	58-01-21			5680	940	A 14400
49-02-24			8590	300	A 6960	58-01-27			500	90	A 121
49-03-22			6670	900	A 16200	58-03-11			3350	650	A 5880
49-03-28			3760	1500	A 15200	58-03-25			4650	590	A 7410
49-03-30			1470	300	A 1190	58-04-07			300	200	A 162
49-04-06			127	100	A 34	58-04-22			4530	770	A 9420
49-04-11			1800	100	A 486	58-05-03			15500	420	A 17600
49-05-02			13500	600	A 21900	58-05-08			511	240	A 331
49-05-05			7210	500	A 9730	58-05-20			218	260	A 153
49-05-10			2000	500	A 2700	58-06-24			421	660	A 750
49-06-15			6650	500	A 8980	58-07-02			73	220	A 43
49-09-20			455	500	A 614	58-07-14			288	210	A 163
49-10-25			3250	900	A 7900	58-08-15			101	480	A 131
49-12-27			1040	400	A 1120	58-08-25			7430	610	A 12200
50-01-10			842	200	A 455	58-09-18			1170	1000	A 3160
50-01-14			9360	600	A 15200	58-11-19			340	420	A 386
50-02-13			10700	1100	A 31800	59-03-27			3990	1500	A 16200
50-02-15			6240	600	A 10100	59-04-02			4580	1000	A 12400
50-05-17			6860	100	A 1850	59-04-29			95	100	A 26
50-05-24			199	100	A 54	59-05-11			9240	730	A 18200
50-07-06			2540	1800	A 12300	59-05-20			114	70	A 22
50-08-01			6250	600	A 10100	59-07-01			1550	530	A 2220
50-08-31			260	300	A 211	59-07-23			1710	590	A 2720
51-06-07			12500	500	A 16900	59-07-27			11700	290	A 9160
51-06-11			5920	400	A 6390	59-10-05			11500	300	A 9320
52-03-05			1660	700	A 3140	59-12-31			454	90	A 110
52-03-11			3830	500	A 5170	60-01-14			5790	730	A 11400
52-04-03			424	300	A 343	60-02-04			1550	240	A 1000
52-04-16			735	100	A 198	60-02-18			766	130	A 269
52-04-22			7100	300	A 5750	60-03-15			344	90	A 84
52-04-23			10500	400	A 11300	60-03-22			153	70	A 29
53-03-18			11100	400	A 12000	60-05-10			1150	230	A 714
53-04-06			3470	200	A 1870	60-05-21			17000	430	A 19700
53-04-14			317	400	A 342	60-06-09			178	250	A 120
53-04-24			18000	800	A 38900	60-07-25			6260	1010	A 17100
53-04-25			14300	500	A 19300	60-08-24			169	550	A 251
53-04-29			15800	500	A 21300	60-10-06			958	510	A 1320
53-04-30			12500	600	A 20300	60-10-20			468	570	A 720
53-05-01			9790	400	A 10600	60-10-26			165	290	A 129
53-05-06			198	200	A 107	60-12-13			3290	450	A 4000
53-05-13			15500	500	A 20900	61-01-06			372	100	A 100
53-05-20			548	200	A 296	61-01-17			198	100	A 53
53-07-20			18700	460	A 23200	61-02-27			261	130	A 92
53-07-21			25500	290	A 20000	61-03-09			585	190	A 300
53-07-27			2250	910	A 5530	61-03-22			433	100	A 117
53-08-14			191	120	A 62	61-03-31			7670	520	A 10800
53-10-07			188	540	A 274	61-04-10			296	50	A 40
53-12-10			91	250	A 61	61-04-21			116	220	A 69
54-01-19			248	130	A 87	61-05-15			113	290	A 88
54-01-20			1770	330	A 1580	61-05-24			1380	780	A 2910
54-02-02			168	130	A 59	61-06-01			72	270	A 52
54-04-13			428	190	A 220	61-06-08			1080	490	A 1430
54-04-29			4760	860	A 11100	61-07-10			248	870	A 583
54-05-01			15300	790	A 32600	61-07-17			1500	1380	A 5590
54-05-04			10900	460	A 13500	61-08-18			2110	1470	A 8370
54-05-11			14500	510	A 20000	61-10-03			2340	690	A 4360
54-05-12			12500	250	A 8440	61-11-30			358	110	A 106
54-10-25			813	360	A 790	61-12-16			825	440	A 980
55-02-20			7390	690	A 13800	62-01-29			608	30	A 49
55-03-17			282	140	A 107	62-03-09			137	110	A 41
55-03-22			11700	750	A 23700	62-03-28			799	200	A 431
55-03-23			8080	730	A 15900	62-04-25			5290	390	A 5570
55-03-31			175	80	A 38	62-05-07			150	110	A 45
55-04-13			208	150	A 84	62-06-07			1860	940	A 4720
55-04-25			213	830	A 477	62-07-11			267	390	A 281
55-05-12			662	160	A 286	62-10-02			152	270	A 111
55-05-27			932	790	A 1990	62-10-11			2580	690	A 4810
55-08-11			338	860	A 785	62-10-17			485	120	A 157
56-02-21			342	630	A 582	62-11-07			103	90	A 25
56-04-30			1680	780	A 3540	62-11-27			10600	880	A 25200
56-05-25			5100	390	A 5370	62-12-04			2640	170	A 1210
56-10-17			192	60	A 31	62-12-20			137	470	A 174
57-02-06			8500	2030	A 46600	62-12-31			168	90	A 41
57-02-12			322	160	A 139	63-03-14			115	60	A 19
57-03-11			183	210	A 104	63-03-20			2720	1480	A 10900
57-03-21			2930	470	A 3720	63-04-04			326	610	A 537
57-03-28			4880	440	A 5800	63-04-30			6350	890	A 15300
57-04-04			14000	740	A 28000	63-05-07			428	130	A 150
57-04-11			448	490	A 593	64-03-12			574	300	A 465

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-03-24			185	150	A	75	70-02-16			111	70	A	21
64-04-06			2450	330	A	2180	70-03-04			3050	760	A	6260
64-05-11			4600	1310	A	16300	70-03-09			347	100	A	94
64-06-19			3890	1540	A	16200	70-03-18			8220	310	A	6880
64-06-22			455	280	A	344	70-03-30			425	50	A	57
64-09-23			2720	1160	A	8520	70-04-14			132	50	A	18
64-10-05			104	130	A	37	70-04-21			4110	800	A	8880
64-12-15			152	210	A	86	70-04-28			2240	280	A	1690
65-01-13			101	110	A	30	70-05-08			242	160	A	105
65-02-17			172	170	A	79	70-06-03			498	460	A	619
65-03-03			893	780	A	1880	70-06-12			21400	250	A	14400
65-03-29			377	390	A	397	70-06-13			14700	290	A	11500
65-04-08			1230	700	A	2320	70-06-14			11700	200	A	6320
65-05-10			3850	1120	A	11600	70-06-16			860	170	A	395
65-05-19			1540	1980	A	8230	70-06-25			147	410	A	163
65-05-27			8840	780	A	18600	70-09-29			257	200	A	139
65-06-03			178	120	A	58	70-10-09			10200	260	A	7160
66-01-05			119	180	A	58	70-10-27			10100	220	A	6000
66-02-09			23200	1890	A	118000	70-11-05			217	30	A	18
66-02-15			262	160	A	113	71-01-19			111	100	A	30
66-03-17			118	200	A	64	71-02-09			105	80	A	23
66-04-01			127	330	A	113	71-02-25			557	200	A	301
66-04-25			8570	520	A	12000	71-03-09			158	90	A	38
66-04-26			8320	410	A	9210	71-04-22			1980	680	A	3640
66-05-02			5060	470	A	6420	71-04-23			6100	610	A	10000
66-05-12			109	120	A	35	71-04-27			685	220	A	407
67-04-11			7140	830	A	16000	71-05-04			188	110	A	56
67-04-13			20900	560	A	31600	71-05-11			2400	270	A	1750
67-04-18			414	120	A	134	71-05-20			234	190	A	120
67-04-22			6090	350	A	5760	71-05-28			1950	640	A	3370
67-05-03			117	80	A	25	71-06-03			4350	530	A	6220
67-05-17			144	130	A	51	71-06-09			242	270	A	176
67-05-22			477	170	A	219	71-08-16			415	440	A	493
67-09-13			263	60	A	43	71-09-27			988	560	A	1490
67-09-19			778	250	A	525	71-10-21			6080	480	A	7880
67-09-19	0001		1910	1250	A	6450	72-01-12			225	230	A	140
67-10-17			2470	1330	A	8870	72-02-03			109	50	A	15
67-10-31			4450	810	A	9730	72-02-08			117	30	A	9.5
67-11-09			127	40	A	14	72-04-20			2500	590	A	3980
67-12-19			1400	140	A	529	72-04-25			239	240	A	155
68-01-24			1300	100	A	351	72-05-03			527	320	A	455
68-02-01			6500	140	A	2460	72-11-30			179	40	A	19
68-03-01			998	300	A	808	72-12-22			151	20	A	8.2
68-03-13			9500	510	A	13100	73-01-22			4180	640	A	7220
68-03-25			1480	470	A	1880	73-01-30			1000	80	A	216
68-04-02			7350	250	A	4960	73-02-08			8400	410	A	9300
68-04-16			157	50	A	21	73-02-20			226	30	A	18
68-04-23			4210	400	A	4550	73-02-26			474	220	A	282
68-05-13			10500	450	A	12800	73-03-06			10400	280	A	7860
68-05-17			18100	280	A	13700	73-03-07			10400	270	A	7580
68-05-18			11000	230	A	6830	73-03-20			504	160	A	218
68-05-21			889	220	A	528	73-03-26			8020	340	A	7360
68-05-29			322	110	A	96	73-04-02			4730	360	A	4600
68-06-04			985	240	A	638	73-04-10			1550	130	A	544
68-06-11			370	230	A	230	73-04-17			12000	290	A	9400
68-06-19			183	140	A	69	73-04-23			11000	450	A	13400
68-06-25			2360	440	A	2800	73-05-02			10700	230	A	6640
68-07-31			1320	980	A	3490	73-05-08			8290	290	A	6490
68-08-14			428	180	A	208	73-05-15			209	110	A	62
68-08-19			104	360	A	101	73-06-04			14300	260	A	10000
68-09-25			798	620	A	1340	73-06-21			3180	860	A	7380
68-10-10			565	270	A	412	73-06-25			251	180	A	122
68-12-04			695	90	A	169	73-07-31			1660	490	A	2200
69-01-08			200	80	A	43	73-09-06			1670	430	A	1940
69-01-20			707	110	A	210	73-09-11			495	160	A	214
69-02-01			2870	300	A	2320	73-09-28			6430	370	A	6420
69-02-04			919	110	A	273	73-10-10			337	90	A	82
69-02-17			4100	300	A	3320	73-10-18			618	90	A	150
69-02-28			838	100	A	226	73-11-06			398	50	A	54
69-03-11			947	110	A	281	73-12-05			4260	530	A	6100
69-03-20			272	60	A	44	73-12-12			367	180	A	178
69-03-25			8110	340	A	7440	74-01-17			134	30	A	11
69-04-02			314	80	A	68	74-01-29			905	50	A	122
69-04-09			214	100	A	58	74-03-07			164	60	A	27
69-04-15			1260	260	A	885	74-03-12			6350	580	A	9940
69-04-22			412	150	A	167	74-03-26			560	80	A	121
69-04-29			12400	200	A	6700	74-04-02			190	50	A	26
69-05-06			1360	250	A	918	74-04-18			170	140	A	64
69-05-13			692	200	A	374	74-05-01			14400	670	A	26000
69-05-20			10200	240	A	6610	74-05-08			492	110	A	146
69-06-03			128	80	A	28	74-06-06			6620	8800	A	157000
69-06-19			173	370	A	173	74-06-10			16800	160	A	7260
69-09-12			130	280	A	98	74-06-19			650	220	A	386
69-10-13			14000	930	A	35200	75-09-11			3240	140	A	1220
69-10-16			13100	220	A	7780	75-09-24			760	220	A	451
69-10-22			161	120	A	52	75-09-26			8730	220	A	5190
70-01-05			460	130	A	161	75-11-17			26	100	A	7.0
70-01-22			114	100	A	31	75-12-11			124	40	A	13
70-02-05			269	120	A	87	76-05-18			1310	280	A	990

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## RED RIVER BASIN

07334000 MUDDY BOGGY CREEK NEAR FARRIS, OKLA.--CONTINUED

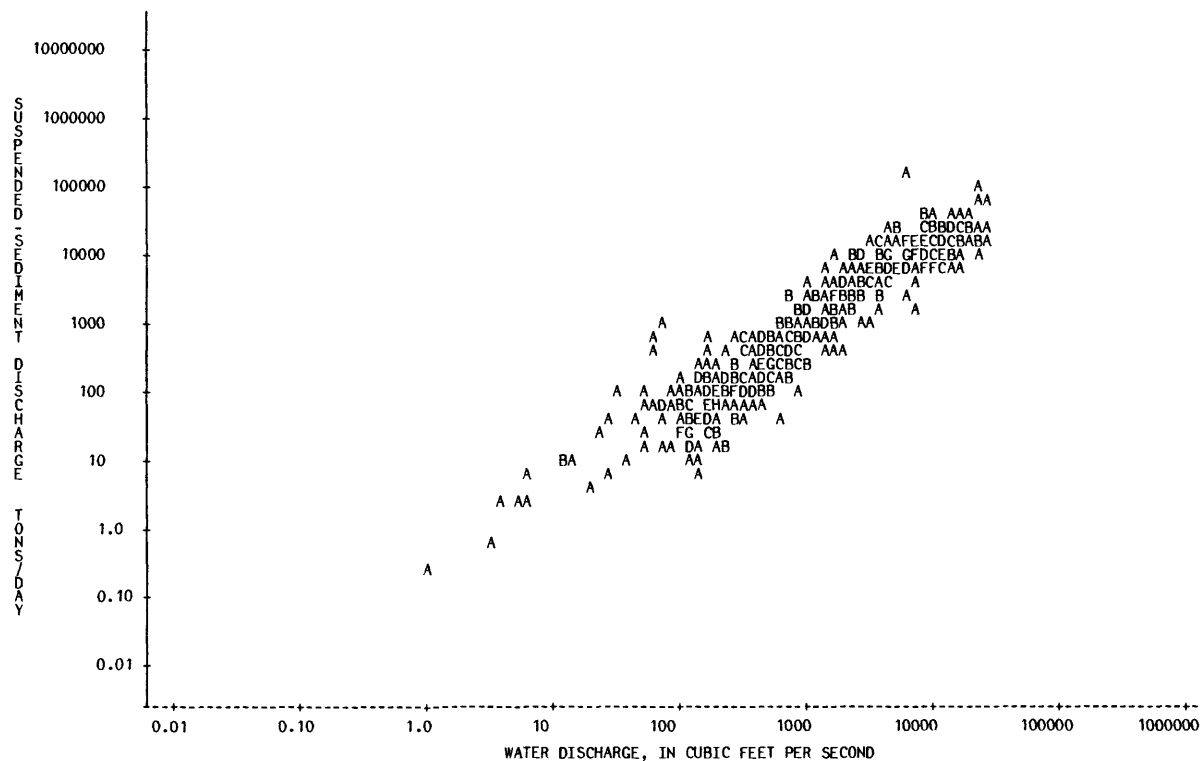
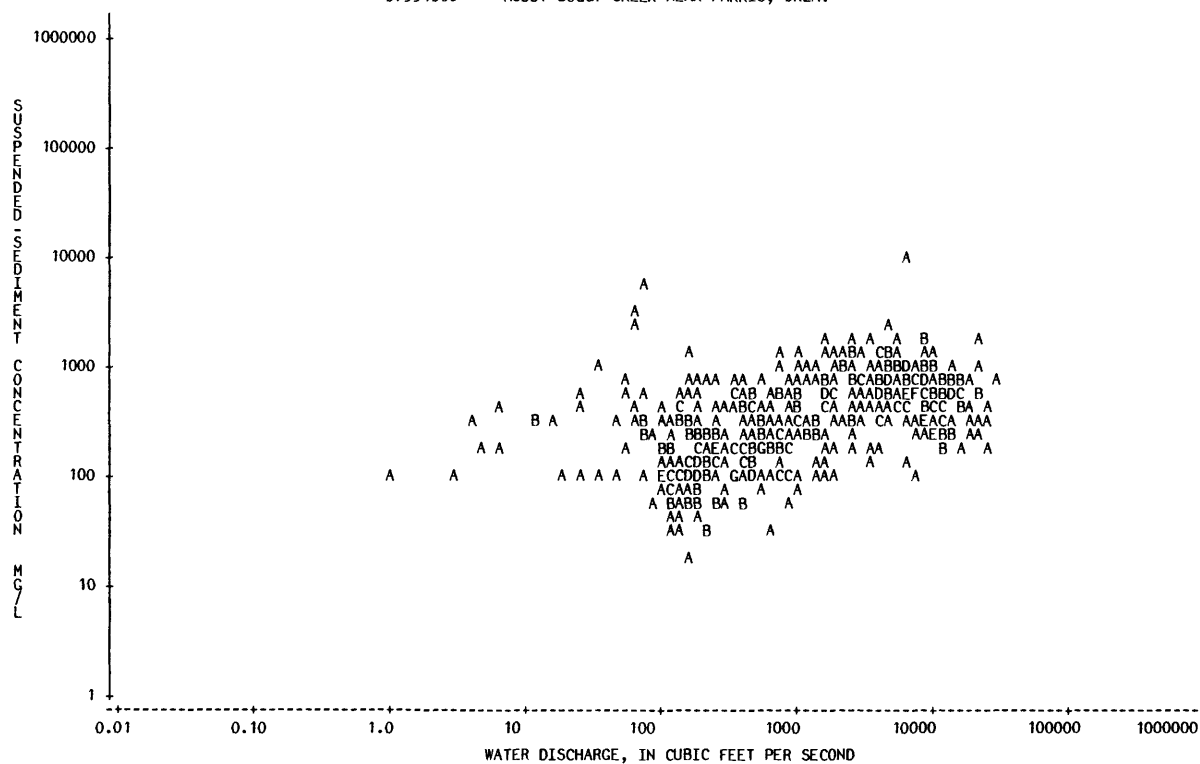
733

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
76-06-07			143	440	A 170						
76-11-01			522	380	A 536						
77-01-25			1250	300	A 1010						
77-02-16			383	580	A 600						
77-04-19			7250	530	A 10400						
77-08-03			325	530	A 465						

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07334000 MUDDY BOGGY CREEK NEAR FARRIS, OKLA.



## RED RIVER BASIN

07335000 CLEAR BOGGY CREEK NEAR CANEY, OKLA.

LOCATION.--Lat 34°15'09", long 96°12'19", in NW 1/4 SE 1/4 sec.36, T.3 S., R.10 E., Atoka County, Hydrologic Unit 11140104, on downstream side of left pier of bridge on old U.S. Highways 69 and 75, 0.5 mi (0.8 km) downstream from Caney Creek, 1.5 mi (2.4 km) north of Caney, and at mile 24.1 (38.8 km).

DRAINAGE AREA.--720 mi<sup>2</sup> (1,865 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1944-77.

REMARKS.--Initial upstream floodwater-retarding structure was completed in April 1961. Construction is continuing with 295 mi<sup>2</sup> (764 km<sup>2</sup>) currently controlled.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
43-10-01			214	900	A 520	46-11-04			2870	2200	A 17000
44-01-01			67	300	A 54	46-11-06			11800	500	A 15900
44-01-13			129	200	A 70	46-11-09			1260	500	A 1700
44-03-17			1630	900	A 3960	46-11-26			88	100	A 24
44-05-06			390	200	A 211	46-12-13			12700	200	A 6860
44-05-26			416	1000	A 1120	46-12-18			462	100	A 125
44-06-16			382	800	A 825	46-12-30			167	100	A 45
44-10-10			71	100	A 19	47-01-22			126	100	A 34
44-11-29			101	300	A 82	47-02-13			93	100	A 25
44-12-07			2650	500	A 3580	47-02-24			78	200	A 42
45-02-17			295	400	A 319	47-03-10			86	100	A 23
45-03-03			7060	600	A 11400	47-03-26			141	200	A 76
45-03-05			5300	200	A 2860	47-04-04			4400	1600	A 19000
45-03-14			3730	400	A 4030	47-04-18			2810	400	A 3030
45-03-16			27600	1100	A 82000	47-04-30			3510	900	A 8530
45-03-20			22400	300	A 18100	47-05-08			336	100	A 91
45-04-26			4080	400	A 4410	47-05-20			4990	700	A 9430
45-06-13			7110	300	A 5760	47-06-05			306	400	A 330
45-08-17			3360	900	A 8160	47-06-17			92	300	A 75
45-08-20			562	500	A 759	47-07-01			75	300	A 61
45-09-25			44	400	A 48	47-07-09			59	200	A 32
45-10-09			522	200	A 282	47-07-30			35	300	A 28
45-10-25			163	200	A 88	47-08-13			22	200	A 12
46-02-07			567	800	A 1220	47-08-28			20	200	A 11
46-02-11			694	600	A 1120	47-09-10			9.0	200	A 4.9
46-02-28			373	500	A 504	47-09-23			59	400	A 64
46-03-07			358	300	A 290	47-10-01			15	200	A 8.1
46-03-20			294	200	A 159	47-10-14			13	200	A 7.0
46-03-25			403	300	A 326	47-10-29			23	200	A 12
46-04-10			528	200	A 285	47-11-25			66	200	A 36
46-04-17			2270	2100	A 12900	47-12-11			86	300	A 70
46-04-18			3290	600	A 5330	47-12-16			311	200	A 168
46-04-19			1810	300	A 1470	47-12-23			46	100	A 12
46-04-25			2130	400	A 2300	48-01-05			295	300	A 239
46-05-01			1410	600	A 2280	48-01-14			68	200	A 37
46-06-03			1340	600	A 2170	48-01-20			45	100	A 12
46-06-11			111	300	A 90	48-02-04			53	100	A 14
46-06-25			58	300	A 47	48-02-16			1170	800	A 2530
46-07-01			369	900	A 897	48-02-28			4910	1000	A 13300
46-07-11			39	200	A 21	48-03-01			4250	600	A 6890
46-07-17			26	200	A 14	48-03-04			621	300	A 503
46-08-05			16	200	A 8.6	48-03-10			293	200	A 158
46-08-15			12	200	A 6.5	48-03-16			362	200	A 195
46-08-23			20	200	A 11	48-03-30			117	100	A 32
46-08-29			326	1000	A 880	48-04-26			64	100	A 17
46-09-04	0001		344	200	A 186	48-05-13			2260	2000	A 12200
46-09-13			22	200	A 12	48-05-18			3260	1700	A 15000
46-09-19			20	300	A 16	48-05-26			10400	700	A 19700
46-09-25			31	200	A 17	48-06-17			53	100	A 14
46-09-30			34	200	A 18	48-06-30			1590	800	A 3430
46-10-10			17	200	A 9.2	48-07-12			3440	2300	A 21400
46-10-18			37	500	A 50	48-07-14			2960	700	A 5590
46-10-31			15	200	A 8.1	48-07-16			334	300	A 271

\*\*\*\*\*  
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## RED RIVER BASIN

07335000 CLEAR BOGGY CREEK NEAR CANEY, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-11-01	19			200	A 10	51-11-15	24		100	A 6.5	
48-11-30	16			100	A 4.3	51-11-29	68		1000	A 184	
48-12-16	23			100	A 6.2	51-12-10	33		100	A 8.9	
48-12-27	18			200	A 9.7	51-12-24	26		100	A 7.0	
49-01-31	46			200	A 25	52-01-18	28		400	A 30	
49-02-07	446			600	A 723	52-01-22	29		100	A 7.8	
49-02-09	234			400	A 253	52-03-05	402		300	A 326	
49-02-15	851			1600	A 3680	52-03-11	1690		1300	A 5930	
49-02-24	3300			1000	A 8910	52-03-18	172		200	A 93	
49-02-25	2550			900	A 6200	52-04-16	295		300	A 239	
49-03-22	2790			1400	A 10500	52-04-22	4180		400	A 4510	
49-03-24	556			500	A 751	52-04-23	7530		300	A 6100	
49-03-28	2970			1100	A 8820	52-04-30	256		100	A 69	
49-03-30	496			300	A 402	52-05-27	155		200	A 84	
49-04-11	145			100	A 39	52-06-10	54		200	A 29	
49-04-29	2430			1300	A 8530	52-07-07	11		100	A 3.0	
49-05-03	13900			600	A 22500	52-07-22	19		100	A 5.1	
49-05-05	2040			400	A 2200	52-08-05	5.0		100	A 1.4	
49-05-10	2400			700	A 4540	52-08-19	6.0		200	A 3.2	
49-06-07	71			100	A 19	52-09-03	2.0		100	A 0.54	
49-06-14	4770			800	A 10300	52-10-28	3.0		100	A 0.81	
49-06-15	5580			300	A 4520	52-11-25	31		100	A 8.4	
49-06-17	419			300	A 339	53-02-17	16		100	A 4.3	
49-06-23	154			300	A 125	53-03-17	210		400	A 227	
49-07-06	1570			1300	A 5510	53-03-18	3060		1400	A 11600	
49-07-18	32			200	A 17	53-03-30	51		100	A 14	
49-08-08	30			100	A 8.1	53-04-06	1000		1300	A 3510	
49-08-22	33			100	A 8.9	53-04-14	120		300	A 97	
49-09-08	17			100	A 4.6	53-04-25	6230		500	A 8410	
49-09-20	401			1000	A 1080	53-04-29	4690		1000	A 12700	
49-10-03	18			100	A 4.9	53-05-01	1970		500	A 2660	
49-10-18	23			200	A 12	53-05-05	163		200	A 88	
49-10-25	2870			1100	A 8520	53-05-13	3770		1700	A 17300	
49-11-03	74			100	A 20	53-05-20	466		400	A 503	
49-11-17	40			100	A 11	53-06-02	51		300	A 41	
49-11-28	35			100	A 9.4	53-06-16	32		60	A 5.2	
49-12-12	70			100	A 19	53-07-01	15		30	A 1.2	
49-12-27	403			500	A 544	53-07-14	248		650	A 435	
50-01-10	729			400	A 787	53-07-20	6760		810	A 14800	
50-01-12	604			400	A 652	53-08-14	360		1310	A 1270	
50-01-13	4000			1800	A 19400	53-08-25	30		270	A 22	
50-01-14	3940			900	A 9570	53-09-14	22		40	A 2.4	
50-01-16	3250			300	A 2630	53-10-07	71		170	A 33	
50-01-23	232			200	A 125	53-10-14	16		80	A 3.5	
50-02-07	319			100	A 86	53-11-04	41		220	A 24	
50-02-13	5570			500	A 7520	53-11-17	34		120	A 11	
50-02-15	3270			400	A 3530	53-12-01	46		120	A 15	
50-02-16	722			300	A 585	53-12-10	100		160	A 43	
50-02-20	275			200	A 148	54-01-06	36		70	A 6.8	
50-03-07	128			400	A 138	54-01-19	68		110	A 20	
50-03-21	80			100	A 22	54-02-01	105		120	A 34	
50-04-04	67			100	A 18	54-02-16	51		110	A 15	
50-04-17	132			200	A 71	54-03-04	37		110	A 11	
50-05-02	9140			800	A 19700	54-03-15	30		70	A 5.7	
50-05-03	6080			200	A 3280	54-03-29	38		140	A 14	
50-05-10	395			300	A 320	54-04-12	214		740	A 428	
50-05-11	5980			800	A 12900	54-04-26	44		90	A 11	
50-05-24	223			200	A 120	54-04-28	845		1520	A 3470	
50-06-08	169			400	A 183	54-05-01	4480		930	A 11200	
50-06-20	116			400	A 125	54-05-04	6860		390	A 7220	
50-07-06	952			1700	A 4370	54-05-06	518		390	A 545	
50-07-18	233			300	A 189	54-05-11	7240		500	A 9770	
50-08-15	123			100	A 33	54-05-12	8090		360	A 7860	
50-08-31	478			200	A 258	54-06-02	732		1050	A 2080	
50-09-26	145			100	A 39	54-06-18	147		340	A 135	
50-10-18	58			100	A 16	55-02-20	2630		1840	A 13100	
50-11-14	50			200	A 27	55-03-17	96		830	A 215	
50-11-28	51			100	A 14	55-03-21	4550		860	A 10600	
50-12-12	50			100	A 13	55-03-22	6490		860	A 15100	
50-12-27	47			100	A 13	55-03-23	2980		580	A 4670	
51-01-24	46			300	A 37	55-03-31	113		90	A 27	
51-02-06	56			500	A 76	55-04-13	118		90	A 29	
51-02-19	541			800	A 1170	55-04-25	87		490	A 115	
51-03-07	131			100	A 35	55-05-05	35		150	A 14	
51-04-04	89			200	A 48	55-05-12	92		330	A 82	
51-04-18	69			100	A 19	55-05-23	3560		310	A 2980	
51-04-26	192			200	A 104	55-05-24	613		520	A 861	
51-05-01	159			200	A 86	55-05-27	1390		1580	A 5930	
51-05-15	60			100	A 16	55-06-03	73		150	A 30	
51-05-29	45			100	A 12	55-08-16	11		130	A 3.9	
51-06-07	4300			2200	A 25500	55-09-02	33		100	A 8.9	
51-06-11	2110			1400	A 7980	55-09-16	1.0		190	A 0.51	
51-06-15	6560			100	A 1770	55-09-29	457		550	A 679	
51-07-25	29			200	A 16	55-10-18	14		20	A 0.76	
51-09-17	22			100	A 5.9	55-11-02	10.0		60	A 1.6	
51-10-02	10.0			100	A 2.7	56-02-24	70		170	A 32	
51-10-16	9.0			200	A 4.9	56-04-30	262		990	A 700	
51-10-30	101			400	A 109	56-05-25	1060		1710	A 4890	
51-11-01	2010			2100	A 11400	56-06-01	1890		1580	A 8060	

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

SUSPENDED SEDIMENT DISCHARGE						SUSPENDED SEDIMENT DISCHARGE						
DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TNS/DAY)	
56-06-08			27	140	A	10	61-10-03		2070	1270	A	7100
57-02-06			2960	1070	A	8550	61-11-30		271	130	A	95
57-02-07			1030	2860	A	7950	61-12-16		337	220	A	200
57-02-14			82	90	A	20	62-03-09		82	60	A	13
57-03-11			112	100	A	30	62-03-28		172	310	A	144
57-03-21			2150	1620	A	9400	62-04-20		123	140	A	46
57-03-27			235	120	A	76	62-04-25		2640	800	A	5700
57-04-03			6660	1350	A	24300	62-05-11		100	120	A	32
57-04-11			212	180	A	103	62-05-24		101	280	A	76
57-04-20			3060	2150	A	17800	62-06-02		3390	740	A	6770
57-04-25			9380	1610	A	40800	62-06-06		482	710	A	924
57-04-27			15600	310	A	13100	62-06-20		575	320	A	497
57-05-02			6810	300	A	5520	62-07-18		62	100	A	17
57-05-16			545	470	A	692	62-07-31		30	130	A	11
57-06-03			9560	300	A	7740	62-08-15		11	90	A	2.7
57-06-13			275	220	A	163	62-08-27		74	170	A	34
57-06-28			187	200	A	101	62-09-11		209	330	A	186
57-07-23			80	70	A	15	62-09-25		52	120	A	17
57-08-05			34	70	A	6.4	62-10-02		46	90	A	11
57-08-28			22	60	A	3.6	62-10-11		3790	1970	A	20200
57-09-22			19200	390	A	20200	62-10-17		87	100	A	23
57-10-18			95	50	A	13	62-11-07		131	180	A	64
57-11-25			375	190	A	192	62-11-30		827	350	A	782
57-12-12			143	130	A	50	62-12-04		845	300	A	684
58-01-02			180	60	A	29	62-12-20		180	230	A	112
58-03-11			655	570	A	1010	62-12-31		199	120	A	64
58-03-27			365	250	A	246	63-01-17		105	130	A	37
58-04-07			217	190	A	111	63-03-19		1340	3270	A	11800
58-04-22			1450	930	A	3640	63-04-04		210	340	A	193
58-05-02			8530	1240	A	28600	63-04-30		4800	500	A	6480
58-05-08			446	750	A	903	63-05-02		609	530	A	871
58-05-14			400	640	A	691	63-05-07		232	130	A	81
58-05-20			486	350	A	459	64-03-20		643	120	A	208
58-06-05			74	170	A	34	64-03-24		89	270	A	65
58-06-12			49	150	A	20	64-04-06		1660	3140	A	14100
58-06-24			114	450	A	139	64-05-11		2730	3810	A	28100
58-07-01			56	140	A	21	64-05-15		316	360	A	307
58-07-16			30	80	A	6.5	64-06-18		2660	2090	A	15000
58-08-25			60	340	A	55	64-06-19		3340	800	A	7210
58-09-22			20	340	A	18	64-06-23		197	340	A	181
59-03-05			2690	4950	A	36000	64-09-23		2900	1800	A	14100
59-03-18			40	100	A	11	64-09-29		651	560	A	984
59-03-27			1970	1780	A	9470	64-11-24		707	210	A	401
59-04-01			2690	2140	A	15500	65-01-27		119	130	A	42
59-04-29			56	90	A	14	65-02-16		194	160	A	84
59-05-12			3770	960	A	9770	65-03-01		729	1490	A	2930
59-05-20			76	130	A	27	65-03-15		182	170	A	84
59-07-01			278	810	A	608	65-04-12		598	60	A	97
59-07-27			3260	1280	A	11300	65-05-13		251	300	A	203
59-07-29			2280	440	A	2710	65-05-21		208	220	A	124
59-10-05			4120	360	A	4000	65-05-27		3350	1460	A	13200
59-10-16			138	100	A	37	66-02-10		6940	690	A	12900
59-12-18			2570	590	A	4090	66-02-11		3210	550	A	4770
59-12-30			305	150	A	124	66-02-17		191	180	A	93
60-01-14			4070	630	A	6920	66-04-25		2950	910	A	7250
60-01-20			422	260	A	296	66-04-29		3400	750	A	6890
60-02-04			1940	1290	A	6760	66-05-02		1970	540	A	2870
60-02-18			283	140	A	107	66-05-12		169	200	A	91
60-04-14			166	150	A	67	67-04-13		11300	440	A	13400
60-05-06			3850	1310	A	13600	67-04-18		1300	390	A	1370
60-05-10			443	400	A	478	67-04-22		3670	820	A	8130
60-05-22			13200	330	A	11800	67-04-24		1020	280	A	771
60-05-25			547	370	A	546	67-05-03		222	110	A	66
60-06-03			178	350	A	168	67-05-10		840	260	A	590
60-06-21			44	210	A	25	67-05-17		216	270	A	157
60-07-08			515	1500	A	2090	67-05-22		194	310	A	162
60-07-26			422	840	A	957	67-05-31		4570	1120	A	13800
60-08-24			57	430	A	66	67-06-08		113	140	A	43
60-09-01			29	280	A	22	67-06-27		7760	400	A	8380
60-09-21			23	270	A	17	67-07-10		123	100	A	33
60-10-04			29	360	A	28	67-09-13		357	200	A	193
60-10-06			2180	2100	A	12400	67-09-19		1620	1230	A	5380
60-10-20			990	1270	A	3390	67-10-17		975	530	A	1400
60-11-01			240	310	A	201	67-11-07		368	230	A	229
60-12-13			1260	270	A	919	67-12-18		1350	510	A	1860
61-01-04			302	110	A	90	68-01-24		1260	410	A	1390
61-01-17			109	20	A	5.9	68-01-30		5590	680	A	10300
61-03-31			3820	1340	A	13800	68-02-01		2040	580	A	3190
61-04-10			269	140	A	102	68-02-12		259	170	A	119
61-04-21			139	180	A	68	68-03-01		522	290	A	409
61-05-02			82	110	A	24	68-03-13		4850	670	A	8770
61-05-15			68	140	A	26	68-03-24		1730	1100	A	5140
61-05-24			330	970	A	864	68-04-02		2770	630	A	4710
61-06-13			70	300	A	57	68-04-10		392	110	A	116
61-07-05			93	200	A	50	68-04-16		234	130	A	82
61-07-18			156	380	A	160	68-04-22		1290	700	A	2440
61-07-31			29	90	A	7.0	68-05-01		254	220	A	151
61-08-18			578	850	A	1330	68-05-15		12200	240	A	7910
61-09-14			1940	1430	A	7490	68-05-16		8360	190	A	4290

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07335000 CLEAR BOGGY CREEK NEAR CANEY, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-05-19			4790	470	A 6080	74-02-11			112	70	A 21
68-05-24			1260	260	A 885	74-03-04			226	100	A 61
68-05-29			587	190	A 301	74-03-18			235	120	A 76
68-06-12			404	260	A 284	74-03-26			244	110	A 72
68-06-28			419	250	A 283	74-04-03			1830	1100	A 5440
68-07-10			166	160	A 72	74-04-08			124	120	A 40
68-07-23			346	230	A 215	74-04-15			206	90	A 50
68-12-03			529	210	A 300	74-04-22			297	210	A 168
69-02-03			426	160	A 184	74-05-01			5630	530	A 8060
69-02-25			1700	490	A 2250	74-05-09			560	210	A 318
69-03-12			494	90	A 120	74-05-28			559	520	A 785
69-03-20			256	120	A 83	74-06-05			323	290	A 253
69-03-24			4980	510	A 6860	74-06-08			4630	600	A 7500
69-04-02			422	130	A 148	74-06-10			1800	640	A 3110
69-04-10			211	90	A 51	74-06-18			252	140	A 95
69-04-17			249	120	A 81	74-08-12			201	630	A 342
69-04-22			564	300	A 457	74-09-17			401	1410	A 1530
69-05-01			1620	390	A 1710	74-09-24			198	290	A 155
69-05-05			666	480	A 863	74-09-26			5390	670	A 9750
69-05-13			1110	290	A 869	74-09-30			247	520	A 347
69-05-19			9330	140	A 3530	74-10-03			225	190	A 115
69-05-26			931	1580	A 3970	74-10-31			11900	420	A 13500
69-06-02			272	210	A 154	74-11-01			10000	320	A 8640
69-10-13			6300	630	A 10700	74-11-04			4410	900	A 10700
69-10-15			10200	180	A 4960	74-11-11			3840	1950	A 20200
69-10-21			1120	260	A 786	74-12-02			187	160	A 81
69-12-08			213	110	A 63	75-01-03			1440	2060	A 8010
70-01-12			266	70	A 50	75-01-08			375	150	A 152
70-01-26			128	50	A 17	75-01-14			226	100	A 61
70-02-09			107	40	A 12	75-01-30			139	90	A 34
70-02-24			134	60	A 22	75-01-31			5250	5200	A 73700
70-03-09			346	120	A 112	75-02-03			2650	2300	A 16500
70-03-23			606	200	A 327	75-02-10			642	930	A 1610
70-04-21			1300	630	A 2210	75-03-17			4640	5210	A 65300
70-04-29			748	260	A 525	75-03-18			3290	1190	A 10600
70-05-13			171	30	A 14	75-04-02			1400	3050	A 11500
70-06-12			6780	890	A 16300	75-04-15			655	300	A 531
70-06-13			9180	240	A 5950	75-04-28			476	630	A 810
70-06-15			881	360	A 856	75-05-15			2510	2520	A 17100
70-06-25			113	90	A 27	75-05-28			416	280	A 314
70-09-29			261	330	A 233	75-06-09			1120	1180	A 3570
70-10-09			17800	200	A 9610	75-06-10			3020	1820	A 14800
70-10-16			1750	280	A 1320	75-06-24			143	260	A 100
70-10-27			4820	850	A 11100	75-08-19			184	220	A 109
71-04-21			1050	1360	A 3860	75-09-15			192	2720	A 1410
71-04-26			480	410	A 531	75-12-03			214	450	A 260
71-05-04			136	180	A 66	76-01-05			112	700	A 212
71-05-10			1620	890	A 3890	76-03-16			436	390	A 459
71-05-28			1940	790	A 4140	76-04-19			2370	1990	A 12700
71-06-02			453	370	A 453	76-04-21			10800	600	A 17500
71-06-16			183	220	A 109	76-05-03			453	450	A 550
71-08-17			338	370	A 338	76-05-06			1580	9100	A 38800
71-09-27			282	370	A 282	76-05-24			251	290	A 197
71-10-06			403	340	A 370	76-06-01			588	770	A 1220
71-10-18			488	540	A 712	76-09-01			117	680	A 215
71-12-06			2320	620	A 3880	76-10-26			163	640	A 282
71-12-14			2010	430	A 2330	76-12-07			1280	1390	A 4800
72-01-06			242	170	A 111	77-02-08			135	130	A 47
72-04-24			351	320	A 303	77-02-22			145	100	A 39
72-05-04			224	190	A 115	77-02-28			119	140	A 45
72-05-16			381	320	A 329	77-03-11			157	240	A 102
73-01-16			1220	640	A 2110	77-03-28			15600	2310	A 97300
73-02-01			1210	440	A 1440	77-03-31			4700	10800	A 137000
73-02-14			619	160	A 267	77-04-11			585	430	A 679
73-02-21			276	70	A 52	77-04-26			374	370	A 333
73-02-28			533	280	A 403	77-05-11			73	130	A 26
73-03-05			6120	620	A 10200	77-05-31			190	370	A 190
73-03-21			747	290	A 585	77-06-13			47	180	A 23
73-03-26			6070	590	A 9670	77-06-22			30	80	A 6.5
73-04-10			665	150	A 269						
73-04-16			8760	530	A 12500						
73-04-24			9230	560	A 14000						
73-05-02			3230	630	A 5490						
73-05-08			3460	650	A 6070						
73-05-17			310	240	A 201						
73-05-25			245	230	A 152						
73-06-06			6470	240	A 4190						
73-06-12			1680	430	A 1950						
73-07-17			191	250	A 129						
73-08-02			217	410	A 240						
73-08-14			193	380	A 198						
73-09-14			1010	400	A 1090						
73-10-03			652	170	A 299						
73-10-16			1810	190	A 929						
73-10-31			1120	450	A 1360						
73-11-26			19300	190	A 9900						
73-11-28			8270	130	A 2900						
74-01-02			205	80	A 44						
74-01-30			198	50	A 27						

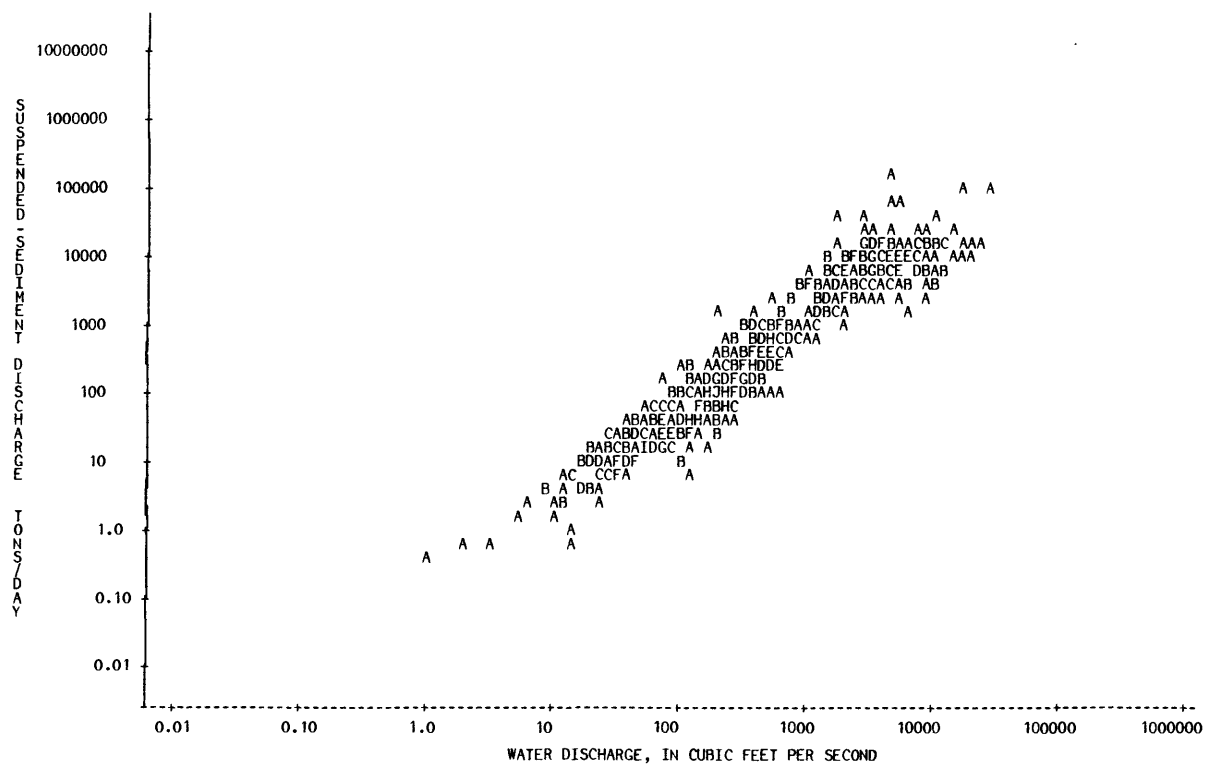
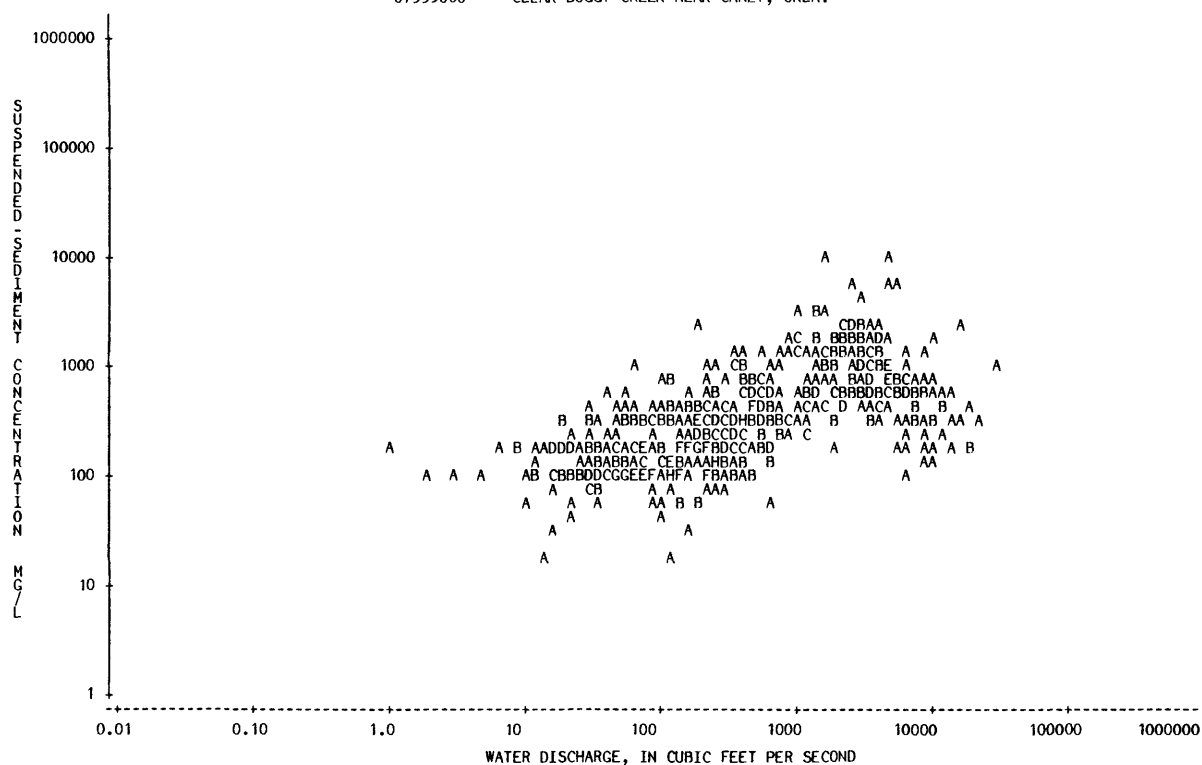
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07335000 CLEAR BOGGY CREEK NEAR CANEY, OKLA.



## RED RIVER BASIN

D7335400 SANDERS CREEK NEAR CHICOTA, TEX.

LOCATION.--Lat 33°51'10", long 95°32'28", Lamar County, Hydrologic Unit 11140101, on upstream side of Pat Mayse Dam, 2,800 ft (853 m) to right of morning-glory drop inlet, 2.0 mi (3.2 km) southeast of Chicota, and 4.6 mi (7.4 km) upstream from mouth.

DRAINAGE AREA.--175 mi<sup>2</sup> (453 km<sup>2</sup>), at Pat Mayse Dam; 184 mi<sup>2</sup> (477 km<sup>2</sup>) at former site 2.6 mi (4.2 km) downstream.

PERIOD OF RECORD.--Water years 1964-67, 1969-70, 1972.

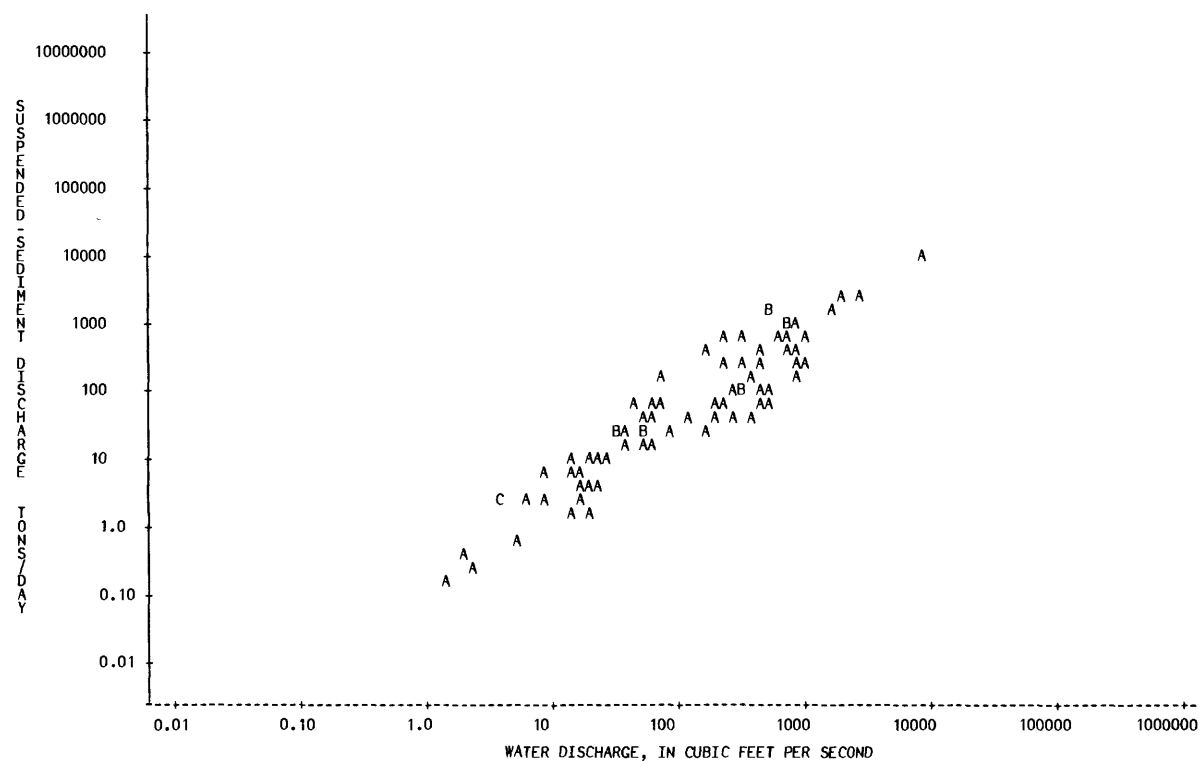
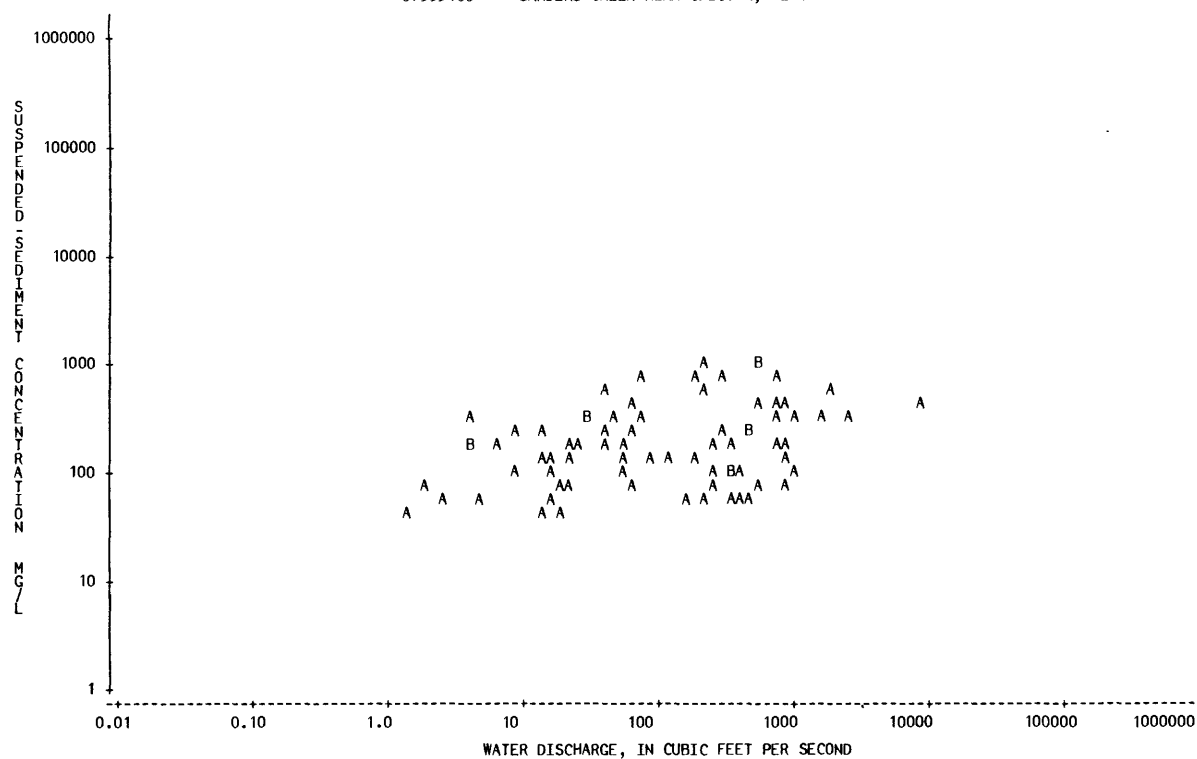
REMARKS.--Flow represents uncontrolled outflow since 1968 from Pat Mayse Lake. Flow downstream from dam is affected by local runoff and backwater from the Red River. Prior to 1968, site was 2.6 mi (4.2 km) downstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
64-03-04			6.0	200	A 3.2	67-04-04			21	170	A 9.6
64-03-09			545	1040	A 1530	67-05-03			25	160	A 11
64-03-12			63	460	A 78	67-05-16			332	100	A 90
64-03-17			8.0	260	A 5.6	67-05-23			572	410	A 633
64-03-19			71	860	A 165	67-06-09			364	180	A 177
64-03-20			49	290	A 38	67-06-19			462	270	A 337
64-03-25			14	220	A 8.3	67-06-26			272	170	A 125
64-04-15			4.0	200	A 2.2	67-07-19			252	70	A 48
64-04-21			4.0	190	A 2.1	67-07-25			194	130	A 68
64-04-22			42	580	A 66	67-08-09			84	120	A 27
64-04-29			72	290	A 56	67-08-16			319	100	A 96
64-05-04			313	260	A 220	67-08-23			56	140	A 21
64-05-30			215	920	A 534	69-02-04			876	130	A 307
64-06-10			2.4	50	A 0.32	69-02-18			494	60	A 80
64-06-17			715	660	A 1270	69-03-10			506	70	A 96
64-06-18			1020	290	A 799	69-03-18			429	90	A 104
64-06-19			821	190	A 421	70-02-17			359	50	A 48
64-07-01			1.3	40	A 0.14	70-03-16			431	50	A 58
64-09-17			1620	330	A 1440	70-04-15			157	50	A 21
64-09-18			761	410	A 842	70-04-28			912	80	A 197
64-09-22			37	250	A 25	70-05-20			203	60	A 33
64-12-01			13	150	A 5.3	71-10-20			714	170	A 328
64-12-08			18	40	A 1.9	72-01-03			930	100	A 251
64-12-14			55	110	A 16						
64-12-22			14	40	A 1.5						
65-01-26			62	250	A 42						
65-02-10			8680	380	A 8910						
65-02-11			2480	350	A 2340						
65-02-16			52	160	A 22						
65-02-25			1940	610	A 3200						
65-02-26			741	360	A 720						
65-03-09			22	70	A 4.2						
65-03-18			19	80	A 4.1						
65-03-30			66	80	A 14						
65-04-07			31	320	A 27						
65-04-20			8.0	100	A 2.2						
65-05-11			867	450	A 1050						
65-05-13			439	210	A 249						
65-05-18			213	560	A 322						
65-05-25			17	50	A 2.3						
65-05-28			528	1130	A 1610						
65-06-09			5.0	60	A 0.81						
65-09-29			4.0	290	A 3.1						
66-02-10			315	830	A 706						
66-03-09			16	110	A 4.8						
66-04-05			2.0	80	A 0.43						
66-09-06			174	840	A 395						
67-02-21			242	110	A 72						
67-02-28			110	140	A 42						
67-03-08			30	350	A 28						
67-03-16			22	150	A 8.9						
67-03-22			16	120	A 5.2						
67-03-29			37	160	A 16						

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



07335400 SANDERS CREEK NEAR CHICOTA, TEX.



## RED RIVER BASIN

07335500 RED RIVER AT ARTHUR CITY, TEX.

LOCATION.--Lat 33°52'32", long 95°30'08", in NW 1/4 sec.11,T.8 S., R.17 E., Choctaw County, Okla., Hydrologic Unit11140101, near right bank on downstream side of pier of bridge on U.S. Highway 271 at Arthur City, 10.6 mi (17.1 km) downstream from Muddy Boggy River, 26.0 mi (41.8 km) upstream from Kiamichi River, and at mile 633.1 (1,018.7 km).

DRAINAGE AREA.--44,531 mi<sup>2</sup> (115,335 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-78.

REMARKS.--Flow regulated since October 1943 by Lake Texoma, 92.8 mi above station. Additional control by floodwater-retarding structures located on tributaries below Lake Texoma.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-28			4780	2400	A 31000	41-06-17			79700	7000	A 1510000
38-08-12			1530	300	A 1240	41-10-05			113400	5100	A 1560000
38-09-16			1380	600	A 2240	41-10-08			95100	8900	A 2290000
38-09-27			1250	700	A 2360	42-04-10			142000	5100	A 1960000
38-10-20			573	200	A 309	42-04-13			98800	5100	A 1360000
38-11-17			1280	400	A 1380	42-04-14			78800	3700	A 787000
38-11-23			650	300	A 526	42-04-15			52800	2200	A 314000
39-01-19			3140	4600	A 39000	42-04-27			183500	3000	A 1490000
39-01-26			1560	1200	A 5050	42-10-20			26600	7900	A 567000
39-02-01			1200	700	A 2270	43-06-17			9660	1600	A 41700
39-02-07			1050	300	A 851	43-07-05			4490	300	A 3640
39-02-16			963	200	A 520	43-12-14			738	200	A 399
39-04-12			2390	4200	A 27100	44-02-22			2440	400	A 2640
39-04-26			1620	300	A 1310	44-03-07			6180	700	A 11700
39-05-09			880	300	A 713	44-04-05			8000	1000	A 21600
39-05-24			3530	3300	A 31500	44-05-03			34300	2200	A 204000
39-05-31			1580	700	A 2990	44-10-16			547	100	A 148
39-06-06			9750	4100	A 108000	44-11-27			3060	1000	A 8260
39-06-20			1200	300	A 972	44-12-11			2360	1700	A 10800
39-07-11			4060	5300	A 58100	45-01-23			3610	1300	A 12700
39-07-19			1210	700	A 2290	45-02-13			9740	2800	A 73600
39-08-09			635	300	A 514	45-02-22			75800	4400	A 901000
39-08-15			5850	5700	A 90000	45-02-26			23800	2000	A 129000
39-08-22			2040	1400	A 7710	45-03-01			48100	2900	A 377000
39-08-29			1530	1000	A 4130	45-03-02			29900	1300	A 105000
39-09-06			883	500	A 1190	45-03-04			34300	4500	A 417000
39-10-03			240	300	A 194	45-03-12			22300	1900	A 114000
39-10-17			704	100	A 190	45-03-18			49900	3400	A 458000
40-02-26			806	200	A 435	45-03-19			57300	2600	A 402000
40-04-09			27000	2800	A 204000	45-03-20			58400	3000	A 473000
40-04-16			5300	2700	A 38600	45-03-22			60800	10600	A 1740000
40-04-30			15200	3100	A 127000	45-03-26			34400	1000	A 92900
40-05-17			3050	1900	A 15600	45-04-14			37500	1800	A 182000
40-05-23			37000	3600	A 360000	45-04-21			61700	2100	A 350000
40-05-24			54300	5100	A 748000	45-05-19			19600	800	A 42300
40-06-15			14600	2300	A 90700	45-06-08			4230	500	A 5710
40-06-26			6150	1500	A 24900	45-06-14			45000	2000	A 243000
40-07-11			6770	4200	A 76800	45-07-02			28700	500	A 38700
40-07-19			6160	2300	A 38300	45-07-12			43400	1200	A 141000
40-08-21			12900	1800	A 62700	45-07-28			11200	400	A 12100
40-09-16			1760	1100	A 5230	45-08-03			6480	700	A 12200
40-11-15			1550	500	A 2090	45-08-20			19800	1200	A 64200
40-11-28			31200	5700	A 480000	45-09-05			1220	100	A 329
40-12-03			5540	3400	A 50900	45-09-24			2990	200	A 1610
41-01-15			3880	500	A 5240	45-10-05			59300	2100	A 336000
41-04-24			91200	2400	A 591000	45-10-08			59000	2300	A 366000
41-04-25	0001		51000	2900	A 399000	45-10-15			40700	1600	A 176000
41-04-25	0002		45200	2800	A 342000	45-11-01			6930	400	A 7480
41-04-26			27200	2300	A 169000	45-11-07			3600	400	A 3890
41-05-11			44500	5700	A 685000	45-12-20			3320	200	A 1790
41-06-13			152100	5700	A 2340000	46-01-02			2200	100	A 594
41-06-14			133200	4000	A 1440000	46-01-08			8080	1000	A 21800
41-06-16			65100	5900	A 1040000	46-01-21			11500	900	A 27900

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TDNS/DAY)
46-01-29			4830	500	A 6520	48-09-20			2350	100	A 635
46-02-12			850	500	A 1150	48-11-03			1300	100	A 351
46-02-25			50400	1800	A 245000	48-11-29			2540	100	A 686
46-03-01			8940	600	A 14500	48-12-13			2500	100	A 675
46-03-04			7220	500	A 9750	48-12-29			998	100	A 269
46-03-12			6560	500	A 8860	49-02-14			11400	1400	A 43100
46-03-18			6640	600	A 10800	49-03-11			5150	300	A 4170
46-03-27			16200	1300	A 56900	49-03-21			4450	400	A 4810
46-04-01			15900	900	A 38600	49-03-29			10800	1100	A 32100
46-04-08			6630	500	A 8950	49-03-31			10000	600	A 16200
46-04-24			7660	500	A 10300	49-04-04			2860	100	A 772
46-05-02			10800	1400	A 40800	49-04-12			9770	900	A 23700
46-05-09			6260	300	A 5070	49-04-18			2670	100	A 721
46-05-16			12000	600	A 19400	49-05-02			26700	3100	A 223000
46-05-22			11200	900	A 27200	49-05-04			19700	900	A 47900
46-05-29			6400	500	A 8640	49-05-09			15900	400	A 17200
46-06-04			21000	800	A 45400	49-05-25			15600	1200	A 50500
46-06-12			23500	3100	A 197000	49-05-25	0002		22800	1900	A 117000
46-07-02			4460	400	A 4820	49-06-06			11400	100	A 3080
46-07-12			6200	300	A 5020	49-06-20			20000	300	A 16200
46-07-18			5520	400	A 5960	49-07-05			2490	200	A 1340
46-08-06			2010	100	A 543	49-07-20			2420	100	A 653
46-08-16			2530	200	A 1370	49-08-02			1970	100	A 532
46-08-30			6870	900	A 16700	49-08-11			2120	200	A 1140
46-09-12			2580	300	A 2090	49-08-24			2300	100	A 621
46-09-20			3040	100	A 821	49-09-07			1950	100	A 527
46-09-27			3120	400	A 3370	49-09-22			5510	400	A 5950
46-10-02			2610	400	A 2820	49-10-05			1900	100	A 513
46-10-11			2920	100	A 788	49-10-17			3850	100	A 1040
46-10-17			5400	700	A 10200	49-10-26			16900	1100	A 50200
46-10-25			3270	400	A 3530	49-11-02			1770	200	A 956
46-11-01			2690	700	A 5080	49-11-16			1750	4100	A 19400
46-11-06			75800	5000	A 1020000	49-12-01			4070	100	A 1100
46-11-08			55100	2000	A 298000	49-12-14			3700	100	A 999
46-11-10			37600	3300	A 335000	49-12-29			3940	400	A 4260
46-11-12			25400	1800	A 123000	50-01-09			5760	200	A 3110
46-11-25			6310	400	A 6810	50-01-15			35000	2700	A 255000
46-12-10			16900	2300	A 105000	50-01-25			3850	200	A 2080
46-12-13			70900	2200	A 421000	50-02-08			6940	300	A 5620
47-01-09			7270	300	A 5890	50-02-14			46300	2300	A 288000
47-01-17			6690	300	A 5420	50-02-23			7300	300	A 5910
47-01-23			6310	300	A 5110	50-03-06			4560	100	A 1230
47-02-12			5800	400	A 6260	50-03-21			2610	100	A 705
47-02-25			2660	200	A 1440	50-04-03			2050	100	A 554
47-03-11			2100	300	A 1700	50-05-03			54000	1200	A 175000
47-03-24			18900	3000	A 153000	50-05-04			34900	1600	A 151000
47-04-02			3090	600	A 5010	50-05-16			42300	800	A 91400
47-04-18			16000	900	A 38900	50-05-18			43000	1100	A 128000
47-04-24			16700	2000	A 90200	50-05-26			35500	2100	A 201000
47-05-01			42700	4000	A 461000	50-06-07			20100	500	A 27100
47-05-09			10200	3000	A 82600	50-06-19			6800	400	A 7340
47-05-21			39100	1800	A 190000	50-07-05			7440	500	A 10000
47-06-02			64700	3200	A 559000	50-07-17			17000	400	A 18400
47-06-18			7160	600	A 11600	50-07-27			50400	8300	A 1130000
47-07-02			15500	1900	A 79500	50-08-08			29100	400	A 31400
47-07-10			6030	400	A 6510	50-08-14			37700	1200	A 122000
47-07-18			4810	600	A 7790	50-08-17			47200	2100	A 268000
47-07-31			3820	500	A 5160	50-08-30			43100	1900	A 221000
47-08-14			4660	800	A 10100	50-09-13			7970	200	A 4300
47-08-29			7040	1900	A 36100	50-09-28			23500	1100	A 69800
47-09-11			3070	400	A 3320	50-10-05			28000	1600	A 121000
47-09-24			1160	200	A 626	50-11-15			3300	200	A 1780
47-10-02			2560	300	A 2070	50-11-29			2500	100	A 675
47-10-15			1000	300	A 810	50-12-13			3190	100	A 861
47-10-30			2040	300	A 1650	50-12-29			3610	100	A 975
47-11-14			2430	100	A 656	51-01-10			2850	400	A 3080
47-11-20			671	100	A 181	51-01-22			3380	200	A 1830
47-11-24			550	100	A 148	51-02-07			4790	900	A 11600
47-12-09			16200	3100	A 136000	51-02-20			27600	4900	A 365000
47-12-18			9930	1600	A 42900	51-03-05			3290	200	A 1780
48-01-06			3940	1000	A 10600	51-03-19			2590	200	A 1400
48-01-13			2260	200	A 1220	51-04-17			1550	300	A 1260
48-01-21			2320	300	A 1880	51-04-30			3980	200	A 2150
48-02-09			10300	2200	A 61200	51-05-14			2660	100	A 718
48-02-18			6540	1100	A 19400	51-05-28			35800	1000	A 96700
48-02-26			51300	4300	A 596000	51-05-31			36800	1100	A 109000
48-02-27			45800	2700	A 334000	51-06-04			30600	500	A 41300
48-03-03			21000	1900	A 108000	51-06-08			46700	1100	A 139000
48-03-17			4350	300	A 3520	51-06-12			58000	400	A 62600
48-03-31			4980	400	A 5380	51-06-14			43900	400	A 47400
48-04-13			7400	900	A 18000	51-06-25			32600	900	A 79200
48-04-27			1760	300	A 1430	51-07-10			39200	1500	A 159000
48-05-12			65000	3700	A 649000	51-07-27			4780	200	A 2580
48-05-17			15600	1900	A 80000	51-08-07			1780	100	A 481
48-05-27			15400	1600	A 66500	51-08-22			2540	100	A 686
48-06-29			15800	900	A 38400	51-09-06			3500	300	A 2840
48-07-15			42700	2400	A 277000	51-09-18			1430	300	A 1160
48-07-28			3900	300	A 3160	51-10-01			1980	200	A 1070
48-09-07			1780	100	A 481	51-10-15			1780	200	A 961

\*\*\*\*\*  
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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
51-10-29			7100	700	A 13400	54-09-22			2080	30	A 168
51-11-13			1380	200	A 745	54-09-27			1820	40	A 197
51-11-26			2220	300	A 1800	54-09-30			2840	500	A 3830
51-12-11			1830	100	A 494	54-10-06			1830	140	A 692
51-12-27			1800	100	A 486	54-10-19			1040	80	A 225
52-01-09			2780	200	A 1500	54-10-26			17800	1030	A 49500
52-01-23			1750	200	A 945	54-11-09			2100	90	A 510
52-02-06			1790	200	A 967	54-11-24			885	80	A 191
52-02-18			2480	100	A 670	54-12-03			3800	170	A 1740
52-03-03			2860	300	A 2320	54-12-08			1420	110	A 422
52-03-12			9200	900	A 22400	54-12-21			1580	70	A 299
52-03-19			3930	100	A 1060	55-01-04			1680	290	A 1320
52-04-02			5430	500	A 7330	55-01-13			1450	150	A 587
52-04-17			15400	100	A 4160	55-01-20			4000	370	A 4000
52-04-23			91700	1100	A 272000	55-01-27			719	130	A 252
52-04-24			48200	1600	A 208000	55-02-03			657	120	A 213
52-05-28			2930	200	A 1580	55-02-08			3950	290	A 3090
52-06-09			4250	100	A 1150	55-02-16			1040	60	A 168
52-07-09			1300	100	A 351	55-02-21			17900	1500	A 72500
52-07-21			2460	200	A 1330	55-03-02			1400	90	A 340
52-08-07			2600	200	A 1400	55-03-16			1150	60	A 186
52-09-05			1770	100	A 478	55-03-22			27500	1790	A 133000
52-10-06			2050	100	A 554	55-03-23			21100	1030	A 58700
52-10-15			978	100	A 264	55-03-25			16200	760	A 33200
52-10-30			2730	100	A 737	55-03-29			1990	150	A 806
52-11-28			2500	100	A 675	55-04-12			3820	340	A 3510
52-12-10			1070	100	A 289	55-04-21			1460	40	A 158
52-12-17			830	100	A 224	55-04-28			1770	560	A 2680
52-12-23			1780	100	A 481	55-05-10			2130	120	A 690
53-02-05			1790	100	A 483	55-05-26			9970	650	A 17500
53-02-18			800	100	A 216	55-06-10			8460	230	A 5250
53-03-02			1780	500	A 2400	55-06-14			7430	140	A 2810
53-03-19			14400	1300	A 50500	55-06-23			33500	1620	A 147000
53-03-20			12200	1000	A 32900	55-06-24			41600	3830	A 430000
53-03-24			3130	500	A 4230	55-06-26			21800	840	A 49400
53-04-01			1470	300	A 1190	55-06-30			8170	160	A 3530
53-04-06			28100	1900	A 144000	55-07-18			7320	740	A 14600
53-04-07			34700	1400	A 131000	55-08-17			1910	120	A 619
53-04-15			3630	600	A 5880	55-08-29			3270	620	A 5470
53-04-24			12600	700	A 23800	55-09-15			1700	80	A 367
53-04-25			23000	1400	A 86900	55-09-28			16500	1260	A 56100
53-04-30			54500	1000	A 147000	55-10-08			33500	3090	A 279000
53-05-14			20100	800	A 43400	55-10-10			39800	2110	A 227000
53-05-15			17500	600	A 28400	55-10-20			10700	2940	A 84900
53-05-19			19300	400	A 20800	55-11-01			3660	340	A 3360
53-05-22			8130	300	A 6590	55-11-08			4550	380	A 4670
53-06-03			1140	200	A 616	55-11-22			8210	690	A 15300
53-06-17			1010	30	A 82	55-12-14			4200	650	A 7370
53-07-02			901	40	A 97	55-12-28			3740	470	A 4750
53-07-15			1580	80	A 341	56-01-16			3710	910	A 9120
53-07-21			9590	980	A 25400	56-01-26			4900	260	A 3440
53-07-23			19700	750	A 39900	56-02-08			4590	380	A 4710
53-07-24			25300	620	A 42400	56-02-20			16500	1760	A 78400
53-07-29			16300	280	A 12300	56-03-08			4420	260	A 3100
53-08-12			3020	240	A 1960	56-03-19			1340	90	A 326
53-08-26			1310	140	A 495	56-04-03			866	140	A 327
53-09-17			3730	680	A 6850	56-04-20			1540	180	A 748
53-10-02			3580	20	A 193	56-05-03			10300	1140	A 31700
53-10-13			866	50	A 117	56-05-09			1270	140	A 480
53-11-03			954	650	A 1670	56-05-21			2160	1010	A 5890
53-11-18			652	120	A 211	56-06-04			5040	660	A 8980
53-11-30			926	120	A 300	56-06-20			408	40	A 44
53-12-09			1420	250	A 959	56-07-06			1580	70	A 299
54-01-07			1820	160	A 786	56-07-18			468	150	A 190
54-01-26			8640	1260	A 29400	56-07-30			2320	170	A 1060
54-02-03			2260	180	A 1100	56-08-15			497	40	A 54
54-02-15			2170	130	A 762	56-08-29			393	60	A 64
54-03-01			2270	160	A 981	56-09-05			388	60	A 63
54-03-18			3350	200	A 1810	56-09-18			2140	1040	A 6010
54-03-30			1550	90	A 377	56-10-03			395	60	A 64
54-04-15			6410	540	A 9350	56-10-16			175	60	A 28
54-05-02			21800	1570	A 92400	56-11-14			205	40	A 22
54-05-07			23900	620	A 40000	56-12-03			239	70	A 45
54-05-13			45200	870	A 106000	56-12-12			133	100	A 36
54-05-14			43000	690	A 80100	56-12-20			2020	290	A 1580
54-05-16			52700	740	A 105000	57-01-03			497	70	A 94
54-05-17			56800	1820	A 279000	57-01-10			2670	170	A 1230
54-05-18			47200	2300	A 293000	57-01-24			3010	320	A 2600
54-05-21			19200	1160	A 60100	57-02-01			3570	210	A 2020
54-05-28			33800	1160	A 106000	57-02-08			13200	3110	A 111000
54-06-08			11500	1480	A 46000	57-02-13			1510	200	A 815
54-06-17			13100	1510	A 53400	57-03-05			2650	270	A 1930
54-06-30			6540	200	A 3530	57-03-12			1050	1220	A 3460
54-07-21			5210	140	A 1970	57-03-15			3940	450	A 4790
54-08-04			3040	80	A 657	57-03-26			6490	1120	A 19600
54-08-16			2370	180	A 1150	57-04-02			25000	2610	A 176000
54-08-26			3820	290	A 2990	57-04-05			23700	1940	A 124000
54-09-02			2570	90	A 625	57-04-10			15700	2480	A 105000
54-09-17			2890	110	A 858	57-04-18			4770	360	A 4640

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
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## RED RIVER BASIN

07335500 RED RIVER AT ARTHUR CITY, TEX.--CONTINUED

745

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
57-04-22			23000	1460	A 90700	59-06-18			2070	130	A 727
57-04-26			53700	2290	A 332000	59-06-30			6380	780	A 13400
57-04-29			64300	1640	A 285000	59-07-13			4310	150	A 1750
57-05-06			73200	1830	A 362000	59-07-24			12000	820	A 26600
57-05-08			62500	1670	A 282000	59-07-28			26500	1350	A 96600
57-05-10			61900	2140	A 358000	59-07-29			19200	960	A 49800
57-05-14			78400	2080	A 440000	59-08-13			4670	140	A 1770
57-05-17			23300	2150	A 135000	59-09-09			919	200	A 496
57-05-21			73400	2480	A 491000	59-09-21			2070	50	A 279
57-05-24			61900	1210	A 202000	59-10-09			52700	3050	A 434000
57-05-27			96500	3000	A 782000	59-10-12			46700	1570	A 198000
57-05-28			62300	1300	A 219000	59-10-23			3320	110	A 986
57-06-06			134000	1340	A 485000	59-11-04			9590	1140	A 29500
57-06-11			92100	1480	A 368000	59-11-19			2740	100	A 740
57-06-17			70900	2870	A 549000	59-12-02			546	40	A 59
57-06-20			64000	2340	A 404000	59-12-17			29100	1740	A 137000
57-06-26			69400	3200	A 600000	59-12-28			15500	970	A 40600
57-07-01			65900	2750	A 489000	60-01-12			10300	700	A 19500
57-07-05			41600	2330	A 262000	60-01-18			20800	1300	A 73000
57-07-09			12800	1280	A 44200	60-01-25			10400	690	A 19400
57-07-12			6780	470	A 8600	60-02-05			23200	2370	A 148000
57-07-18			5100	240	A 3300	60-02-19			8030	410	A 8890
57-07-24			1920	170	A 881	60-03-03			8860	450	A 10800
57-07-31			2380	80	A 514	60-03-15			7080	580	A 11100
57-08-06			1780	120	A 577	60-03-23			2790	120	A 904
57-08-26			2820	100	A 761	60-04-13			4150	180	A 2020
57-09-09			1660	160	A 717	60-04-28			4760	200	A 2570
57-09-23			52700	1330	A 189000	60-05-09			11700	850	A 26900
57-09-25			40600	2080	A 228000	60-05-23			18100	950	A 46400
57-10-01			27900	1660	A 125000	60-05-26			31000	1790	A 150000
57-10-17			8530	570	A 13100	60-06-02			8000	550	A 11900
57-10-29			3980	350	A 3760	60-06-15			3460	510	A 4760
57-11-14			22000	1260	A 74800	60-06-28			2780	170	A 1280
57-11-27			10700	1020	A 29500	60-07-06			1740	290	A 1360
57-12-09			9030	630	A 15400	60-07-18			4150	230	A 2580
57-12-19			7750	600	A 12600	60-07-28			11600	330	A 10300
58-01-06			5640	470	A 7160	60-08-23			3020	250	A 2040
58-01-15			13300	1680	A 60300	60-09-01			2380	150	A 964
58-01-24			12200	970	A 32000	60-09-07			1050	120	A 340
58-01-31			5190	440	A 6170	60-09-22			3610	110	A 1070
58-02-13			7080	620	A 11900	60-10-04			886	130	A 311
58-02-25			4280	190	A 2200	60-10-20			4630	140	A 1750
58-03-10			16300	1150	A 50600	60-10-21			24800	1060	A 71000
58-03-26			11500	1220	A 37900	60-10-22			32000	880	A 76000
58-04-08			2650	360	A 2580	60-10-24			30800	1250	A 104000
58-04-11			4940	220	A 2930	60-11-01			18700	410	A 20700
58-04-16			3640	220	A 2160	60-11-08			1120	70	A 212
58-04-23			14000	1360	A 51400	60-11-15			3550	130	A 1250
58-04-30			26100	3920	A 276000	60-12-02			2510	150	A 1020
58-05-01			35600	2160	A 208000	60-12-15			15600	1200	A 50500
58-05-03			115000	3750	A 1160000	60-12-21			6550	330	A 5840
58-05-05			46000	1450	A 180000	61-01-04			9900	530	A 14200
58-05-07			24400	1940	A 128000	61-01-10			8570	480	A 11100
58-05-13			38700	1740	A 182000	61-01-19			6420	190	A 3290
58-05-19			9330	650	A 16400	61-02-01			5790	150	A 2340
58-05-22			8390	340	A 7700	61-02-16			3700	190	A 1900
58-05-28			9020	30	A 731	61-02-28			2790	120	A 904
58-06-04			4580	170	A 2100	61-03-15			1440	30	A 117
58-06-16			2810	140	A 1060	61-03-29			13300	630	A 22600
58-06-25			3420	420	A 3880	61-04-03			21900	890	A 52600
58-07-08			4290	570	A 6600	61-04-11			11500	410	A 12700
58-07-15			1980	120	A 642	61-04-18			4100	280	A 3100
58-07-25			4170	70	A 788	61-04-25			2550	250	A 1720
58-08-07			3950	100	A 1070	61-05-01			2000	60	A 324
58-08-20			881	120	A 285	61-05-17			2640	160	A 1140
58-09-25			616	190	A 316	61-05-25			5480	330	A 4880
58-10-08			535	90	A 130	61-06-07			3290	680	A 6040
58-10-22			3320	160	A 1430	61-06-16			3620	240	A 2350
58-11-06			2730	150	A 1110	61-06-22			2810	210	A 1590
58-11-17			3830	150	A 1550	61-07-03			2290	90	A 556
58-12-03			881	60	A 143	61-07-21			4020	220	A 2390
58-12-23			844	50	A 114	61-08-01			1930	110	A 573
59-01-09			1820	100	A 491	61-08-16			2280	110	A 677
59-01-23			5320	290	A 4170	61-09-05			2480	90	A 603
59-01-30			2340	120	A 758	61-09-19			3340	200	A 1800
59-02-09			1200	120	A 389	61-10-07			3920	250	A 2650
59-02-17			593	120	A 192	61-10-17			10600	260	A 7440
59-03-06			9970	1260	A 33900	61-11-08			2210	180	A 1070
59-03-19			3940	200	A 2130	61-11-24			25000	2050	A 138000
59-03-30			5400	370	A 5390	61-12-01			11700	670	A 21200
59-04-03			10100	1020	A 27800	61-12-14			13400	320	A 11600
59-04-07			2130	130	A 748	62-01-15			3440	230	A 2140
59-04-14			1500	40	A 162	62-02-01			5150	170	A 2360
59-04-21			7900	640	A 13700	62-02-08			1500	130	A 527
59-04-28			1560	80	A 337	62-02-13			1610	80	A 348
59-05-13			9140	1110	A 27400	62-02-20			1960	100	A 529
59-05-19			1260	110	A 374	62-03-08			2510	60	A 407
59-06-03			853	120	A 276	62-03-27			6030	400	A 6510
59-06-11			1370	90	A 333	62-04-25			11300	590	A 18000

\*\*\*\*\*  
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## RED RIVER BASIN

07335500 RED RIVER AT ARTHUR CITY, TEX.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
62-05-02			7290	440	A	64-04-29			2460	660	A
62-05-10			3320	180	A	64-05-04			2860	730	A
62-05-21			2040	90	A	64-05-12			6860	1140	A
62-06-01			10100	1380	A	64-05-21			2190	230	A
62-06-02			25100	3170	A	64-05-27			2280	170	A
62-06-05			10700	680	A	64-06-09			2050	130	A
62-06-12			50500	2530	A	64-06-18			22900	2120	A
62-06-13			50700	1600	A	64-06-19			17500	1370	A
62-06-18			30700	920	A	64-06-24			3320	370	A
62-06-25			22900	670	A	64-07-01			654	120	A
62-07-03			5450	250	A	64-07-15			723	300	A
62-07-17			2610	50	A	64-07-29			515	110	A
62-08-01			5310	250	A	64-08-07			3420	180	A
62-08-16			5670	300	A	64-08-12			1120	140	A
62-09-04			4260	440	A	64-08-21			2620	200	A
62-09-18			3200	260	A	64-09-03			1060	280	A
62-10-01			10200	560	A	64-09-11			2190	280	A
62-10-11			12900	1780	A	64-09-18			10300	1370	A
62-10-16			15100	680	A	64-09-22			5230	670	A
62-10-23			3180	220	A	64-09-24			16100	1110	A
62-11-06			4080	330	A	64-09-25			11700	940	A
62-11-20			1250	100	A	64-10-06			1210	170	A
62-11-28			42800	3330	A	64-10-15			2520	330	A
62-12-03			21600	720	A	64-10-21			697	150	A
62-12-11			8250	340	A	64-10-27			2200	380	A
62-12-19			6240	250	A	64-11-13			792	90	A
63-01-02			5190	230	A	64-12-01			3010	230	A
63-01-15			2980	80	A	64-12-08			1730	70	A
63-02-01			3950	150	A	64-12-14			3710	120	A
63-02-11			2820	110	A	64-12-22			1430	50	A
63-02-26			755	80	A	65-01-07			3000	120	A
63-03-01			851	130	A	65-01-26			3200	160	A
63-03-06			3030	130	A	65-02-05			3520	70	A
63-03-13			4100	460	A	65-02-11			35300	1910	A
63-03-21			8310	1650	A	65-02-16			2890	90	A
63-03-27			3970	310	A	65-02-25			22700	1640	A
63-04-04			5940	500	A	65-03-04			5480	300	A
63-04-17			1840	90	A	65-03-18			2390	90	A
63-04-23			1710	80	A	65-03-26			5500	180	A
63-05-01			19200	1250	A	65-03-30			3380	150	A
63-05-03			14400	810	A	65-04-07			1580	100	A
63-05-06			3050	250	A	65-04-13			3280	220	A
63-05-14			1700	140	A	65-04-20			1250	120	A
63-05-21			1790	140	A	65-04-28			1070	110	A
63-05-29			3920	320	A	65-05-07			1040	140	A
63-06-05			1010	80	A	65-05-11			9750	920	A
63-06-14			3980	210	A	65-05-13			9980	410	A
63-06-19			1360	190	A	65-05-18			6940	1210	A
63-06-25			1730	110	A	65-05-25			2290	130	A
63-07-01			3940	320	A	65-05-28			11000	380	A
63-07-12			3850	300	A	65-06-01			8660	470	A
63-07-17			1820	290	A	65-06-09			1070	140	A
63-07-26			4200	260	A	65-06-17			6140	550	A
63-08-01			4830	570	A	65-06-23			1460	200	A
63-08-08			2710	200	A	65-06-30			961	110	A
63-08-16			2330	380	A	65-07-07			1060	140	A
63-08-21			1320	230	A	65-07-14			3780	150	A
63-08-27			1890	220	A	65-07-20			2040	140	A
63-09-05			1270	170	A	65-07-28			1060	80	A
63-09-11			573	140	A	65-08-10			944	270	A
63-09-19			1540	200	A	65-08-17			950	120	A
63-09-24			1740	80	A	65-08-25			1390	140	A
63-10-03			249	140	A	65-09-01			1400	110	A
63-10-10			1720	150	A	65-09-09			2290	90	A
63-10-14			1530	70	A	65-09-15			3880	200	A
63-10-23			423	120	A	65-09-21			1900	80	A
63-10-29			455	110	A	65-09-29			760	130	A
63-11-06			298	80	A	65-10-08			2020	100	A
63-11-12			803	120	A	65-10-13			508	60	A
63-11-20			489	80	A	65-10-21			3110	150	A
63-12-04			322	60	A	65-10-27			2560	110	A
63-12-18			674	160	A	65-11-01			2050	60	A
63-12-23			1230	380	A	65-11-09			3210	150	A
63-12-31			590	110	A	65-11-16			2060	100	A
64-01-09			434	140	A	65-12-02			2290	50	A
64-01-15			435	60	A	65-12-14			1320	70	A
64-01-23			598	80	A	66-01-04			819	40	A
64-01-27			2160	100	A	66-01-12			1020	80	A
64-02-03			1980	70	A	66-01-18			1450	40	A
64-02-11			917	60	A	66-01-24			3060	80	A
64-02-18			990	40	A	66-02-02			5750	280	A
64-02-24			2530	190	A	66-02-10			21800	2740	A
64-03-12			6680	1160	A	66-02-11			27800	1740	A
64-03-17			1140	150	A	66-02-16			9100	510	A
64-03-25			1090	190	A	66-03-01			1070	10	A
64-04-02			2480	120	A	66-03-16			2260	600	A
64-04-07			11200	770	A	66-03-23			851	120	A
64-04-15			1180	150	A	66-03-29			1110	120	A
64-04-21			1710	110	A	66-04-05			649	130	A

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## RED RIVER BASIN

07335500 RED RIVER AT ARTHUR CITY, TEX.--CONTINUED

747

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
66-04-14			5200	430	A 6040	68-05-01			10900	220	A 6470
66-04-19			2600	110	A 772	68-05-07			4250	980	A 11200
66-04-26			45100	2500	A 304000	68-05-16			31900	250	A 21500
66-04-27			43900	1270	A 151000	68-05-18			78100	1210	A 255000
66-05-01			90900	2670	A 655000	68-05-19			65300	600	A 106000
66-05-02			53000	1280	A 183000	68-05-21			34000	690	A 63300
66-05-05			27400	420	A 31100	68-05-23			41300	810	A 90300
66-05-10			12000	280	A 9070	68-05-27			31200	850	A 71600
66-05-18			6560	220	A 3900	68-06-05			24600	220	A 14600
66-05-24			4580	170	A 2100	68-06-14			25200	210	A 14300
66-05-31			1620	10	A 44	68-06-18			13300	650	A 23300
66-06-07			1350	230	A 838	68-06-27			25600	710	A 49100
66-06-16			4950	140	A 1870	68-07-01			3790	180	A 1840
66-06-22			1110	200	A 599	68-07-09			2220	100	A 599
66-06-30			4620	140	A 1750	68-07-22			5040	110	A 1500
66-07-05			2160	10	A 58	68-07-29			7570	870	A 17800
66-07-19			2070	10	A 56	68-08-13			2820	130	A 990
66-08-02			2600	130	A 913	68-08-22			4690	170	A 2150
66-08-22			2790	130	A 979	68-08-28			1150	220	A 683
66-09-01			4510	220	A 2680	68-09-03			1000	70	A 189
66-09-06			3830	340	A 3520	68-09-13			3480	90	A 846
66-09-15			3310	220	A 1970	68-09-23			4790	130	A 1680
66-09-19			1990	160	A 860	68-10-01			1680	130	A 590
66-10-03			2790	100	A 753	68-10-11			11600	660	A 20700
66-10-18			2490	120	A 807	68-10-18			4950	330	A 4410
66-10-24			2280	90	A 554	68-10-31			5810	360	A 5650
66-11-01			1230	90	A 299	68-11-05			3200	240	A 2070
66-11-18			3290	100	A 888	68-11-19			3120	280	A 2360
66-11-29			667	110	A 198	68-12-05			7690	180	A 3740
66-12-06			1920	120	A 622	68-12-16			3040	100	A 821
66-12-20			1280	130	A 449	69-01-06			4470	130	A 1570
66-12-28			733	150	A 297	69-01-21			7580	230	A 4710
67-01-13			1770	190	A 908	69-02-04			15000	430	A 17400
67-01-18			503	120	A 163	69-02-18			11600	600	A 18800
67-01-25			760	110	A 226	69-02-24			35600	1390	A 134000
67-01-30			1630	120	A 528	69-03-10			17100	450	A 20800
67-02-13			2020	140	A 764	69-03-18			11800	170	A 5420
67-02-21			914	100	A 247	69-03-25			31000	1170	A 97900
67-02-28			811	80	A 175	69-04-01			10700	220	A 6360
67-03-16			1030	160	A 445	69-04-09			11600	170	A 5320
67-03-22			341	100	A 92	69-04-21			13000	590	A 20700
67-03-29			1540	1500	A 6240	69-04-30			31600	1100	A 93900
67-04-04			1970	290	A 1540	69-05-07			64700	2990	A 522000
67-04-14			14400	490	A 19100	69-05-08			76000	2590	A 531000
67-04-16			21400	810	A 46800	69-05-14			49200	900	A 120000
67-04-17			21900	340	A 20100	69-05-22			46600	540	A 67900
67-04-19			16400	230	A 10200	69-05-29			30100	2340	A 190000
67-04-22			49300	2770	A 369000	69-06-03			12200	260	A 8560
67-04-24			18700	410	A 20700	69-06-09			6140	90	A 1490
67-05-03			4510	240	A 2920	69-06-18			5770	200	A 3120
67-05-11			10200	460	A 12700	69-06-23			5200	170	A 2390
67-05-16			1920	140	A 726	69-07-07			3100	90	A 753
67-05-23			7340	640	A 12700	69-07-17			4800	140	A 1810
67-06-02			30800	1190	A 99000	69-07-31			2320	170	A 1060
67-06-06			3990	240	A 2590	69-08-07			2770	150	A 1120
67-06-19			2700	100	A 729	69-08-19			1950	320	A 1680
67-06-26			3670	320	A 3170	69-08-27			1350	220	A 802
67-07-19			1150	80	A 248	69-09-09			2610	100	A 705
67-07-25			2070	10	A 56	69-09-17			3720	90	A 904
67-07-31			3990	110	A 1190	69-09-30			2640	120	A 855
67-08-31			3500	140	A 1320	69-10-09			3010	70	A 569
67-09-11			16400	1100	A 48700	69-10-14			12200	890	A 29300
67-09-20			9610	260	A 6750	69-10-30			4770	180	A 2320
67-09-26			2670	110	A 793	69-11-05			5960	80	A 1290
67-10-03			1200	150	A 486	69-11-17			4560	40	A 492
67-10-11			733	70	A 139	69-12-01			4630	50	A 625
67-10-18			3660	140	A 1380	69-12-18			4040	50	A 545
67-10-23			2570	230	A 1600	70-01-16			6310	90	A 1530
67-11-07			13400	380	A 13700	70-02-04			11100	920	A 27600
67-11-08			3690	120	A 1200	70-02-17			5610	330	A 5000
67-12-01			1820	120	A 590	70-03-05			18700	1010	A 51000
67-12-18			7870	260	A 5520	70-03-16			6810	80	A 1470
68-01-05			3220	90	A 782	70-04-02			5890	70	A 1110
68-01-15			1590	180	A 773	70-04-06			2140	40	A 231
68-01-30			27900	540	A 40700	70-04-15			3830	110	A 1140
68-01-31			26800	1120	A 81000	70-04-23			11100	480	A 14400
68-02-02			19200	380	A 19700	70-04-28			25800	880	A 61300
68-02-07			3680	180	A 1790	70-05-06			11500	220	A 6830
68-02-19			3490	180	A 1700	70-05-22			2210	290	A 1730
68-03-05			1620	130	A 569	70-06-02			2650	160	A 1140
68-03-14			21900	1100	A 65000	70-06-14			12900	480	A 16700
68-03-23			38500	1680	A 175000	70-06-15			16800	590	A 26800
68-03-24			33700	670	A 61000	70-06-16			16600	440	A 19700
68-03-28			14200	510	A 19600	70-06-18			14600	190	A 7490
68-03-29			7390	460	A 9180	70-06-23			1420	130	A 498
68-04-03			35800	570	A 55100	70-07-08			761	150	A 308
68-04-10			8910	350	A 8420	70-07-15			798	70	A 151
68-04-23			32400	540	A 47200	70-07-20			3490	130	A 1220
68-04-25			25800	490	A 34100	70-08-07			4420	220	A 2630

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	A	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
70-08-18			1590	180	A	773	73-03-12			44600	150	A	18100
70-09-03			5360	120	A	1740	73-03-16			29500	980	A	78100
70-09-10			1560	110	A	463	73-03-23			18400	290	A	14400
70-09-16			835	40	A	90	73-03-29			22300	420	A	25300
70-09-18			4710	160	A	2030	73-04-06			20700	280	A	15600
70-09-21			5060	310	A	4240	73-04-13			11600	280	A	8770
70-10-01			141	180	A	69	73-04-18			47900	910	A	118000
70-10-12			21600	1060	A	61800	73-04-24			47900	370	A	47900
70-10-14			25100	1030	A	69800	73-04-26			58800	670	A	106000
70-10-21			3000	210	A	1700	73-04-30			48400	710	A	92800
70-11-03			2610	140	A	987	73-05-04			43600	580	A	68300
70-11-23			3350	840	A	7600	73-05-10			27200	340	A	25000
70-12-08			2340	100	A	632	73-05-14			14300	180	A	6950
71-01-06			10000	420	A	11300	73-05-21			10600	240	A	6870
71-01-18			2660	90	A	646	73-05-29			3440	160	A	1490
71-02-02			741	120	A	240	73-06-07			50300	740	A	100000
71-02-11			2640	100	A	713	73-06-14			28100	350	A	26600
71-02-24			9180	720	A	17800	73-06-21			31200	990	A	83400
71-03-05			5550	120	A	1800	73-06-26			12700	280	A	9600
71-03-17			1940	220	A	1150	73-07-05			7390	180	A	3590
71-03-29			2450	80	A	529	73-07-11			5510	120	A	1790
71-04-07			3050	210	A	1730	73-07-18			5380	140	A	2030
71-04-14			518	100	A	140	73-07-31			1350	130	A	474
71-04-21			7320	1140	A	22500	73-08-07			6030	250	A	4070
71-04-23			17300	740	A	34600	73-08-15			5870	170	A	2690
71-04-27			9060	790	A	19300	73-08-23			6240	200	A	3370
71-05-06			2080	100	A	562	73-08-29			5210	1240	A	17400
71-05-12			10900	500	A	14700	73-09-11			8910	450	A	10800
71-05-26			1690	130	A	593	73-09-27			4700	120	A	1520
71-05-27			3160	500	A	4270	73-09-28			33900	1340	A	123000
71-06-04			6180	310	A	5170	73-10-05			12900	280	A	9750
71-06-28			1170	70	A	221	73-10-18			25400	380	A	26100
71-07-15			2940	150	A	1190	73-10-26			12200	140	A	4610
71-07-22			3800	160	A	1640	73-11-01			28100	860	A	65200
71-08-02			1170	120	A	379	73-11-14			5120	120	A	1660
71-08-12			4400	320	A	3800	73-11-28			45700	510	A	62900
71-08-24			4230	130	A	1480	73-12-03			53100	1260	A	181000
71-09-01			1680	60	A	272	73-12-05			37400	510	A	51500
71-09-09			2000	110	A	594	74-01-06			3580	60	A	580
71-09-28			8540	610	A	14100	74-01-28			3900	40	A	421
71-10-05			9340	480	A	12100	74-02-04			2570	40	A	278
71-10-20			29000	980	A	76700	74-02-14			1850	100	A	500
71-10-22			30100	870	A	70700	74-03-05			1520	70	A	287
71-11-04			4000	150	A	1620	74-03-12			7760	610	A	12800
71-11-16			2060	100	A	556	74-03-25			6540	70	A	1240
71-12-02			5040	140	A	1910	74-04-05			9730	640	A	16800
71-12-10			96300	2490	A	647000	74-04-16			1830	60	A	296
71-12-11			105600	1340	A	382000	74-04-23			12100	750	A	24500
71-12-12			59600	720	A	116000	74-04-25			8710	1360	A	32000
71-12-16			29100	560	A	44000	74-04-29			3650	170	A	1680
71-12-22			6630	230	A	4120	74-05-07			38700	780	A	81500
72-01-10			8200	150	A	3320	74-05-15			13300	320	A	11500
72-01-19			7430	110	A	2210	74-05-21			8710	1360	A	32000
72-02-02			7370	100	A	1990	74-05-30			3850	400	A	4160
72-02-07			5560	60	A	901	74-06-06			14400	540	A	21000
72-02-29			5410	60	A	876	74-06-11			31900	550	A	47400
72-03-09			3930	380	A	4030	74-06-13			33400	360	A	32500
72-03-16			3680	60	A	596	74-06-17			8300	260	A	5830
72-03-27			2930	60	A	475	74-06-27			2510	140	A	949
72-04-05			2770	140	A	1050	74-07-08			794	140	A	300
72-04-17			1850	60	A	300	74-07-18			2570	120	A	833
72-04-25			2560	240	A	1660	74-07-24			2950	260	A	2070
72-05-03			3730	200	A	2010	74-07-30			1060	190	A	544
72-05-10			1020	120	A	330	74-08-15			5570	220	A	3310
72-05-26			4000	80	A	864	74-08-22			4330	120	A	1400
72-06-05			2640	110	A	784	74-08-28			1620	130	A	569
72-06-28			3950	90	A	960	74-09-11			5070	2000	A	27400
72-07-13			1790	90	A	435	74-09-27			28500	1190	A	91600
72-07-24			2490	80	A	538	74-10-01			31500	2600	A	221000
72-08-03			1320	160	A	570	74-10-08			7060	280	A	5340
72-08-21			1710	100	A	462	74-10-25			3330	160	A	1440
72-10-05			1210	40	A	131	74-11-07			65100	7870	A	1380000
72-10-12			2830	110	A	841	74-11-18			20800	3700	A	208000
72-10-25			6720	600	A	10900	74-12-04			11400	330	A	10200
72-11-01			41000	940	A	104000	74-12-20			7540	310	A	6310
72-11-03			29700	510	A	40900	74-12-31			3880	200	A	2100
72-11-04			21700	390	A	22900	75-01-09			6320	280	A	4780
72-11-09			18400	400	A	19900	75-01-16			7090	5500	A	105000
72-11-16			11500	270	A	8380	75-01-28			1950	140	A	737
73-01-18			5860	240	A	3800	75-02-04			30800	1340	A	111000
73-01-23			7310	490	A	9670	75-02-13			14400	2500	A	97200
73-01-31			8260	290	A	6470	75-02-20			8880	290	A	6950
73-02-09			32400	1010	A	88400	75-03-06			14700	880	A	34900
73-02-12			21500	390	A	22600	75-03-13			14300	400	A	15400
73-02-15			13600	270	A	9910	75-03-20			26100	1180	A	83200
73-02-20			9100	100	A	2460	75-04-03			31500	2440	A	208000
73-02-27			2580	30	A	209	75-04-17			14200	370	A	14200
73-03-06			29300	1310	A	104000	75-04-29			13100	520	A	18400
73-03-08			31600	1080	A	92100	75-05-08			18200	1430	A	70300

\*\*\*\*\*  
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## RED RIVER BASIN

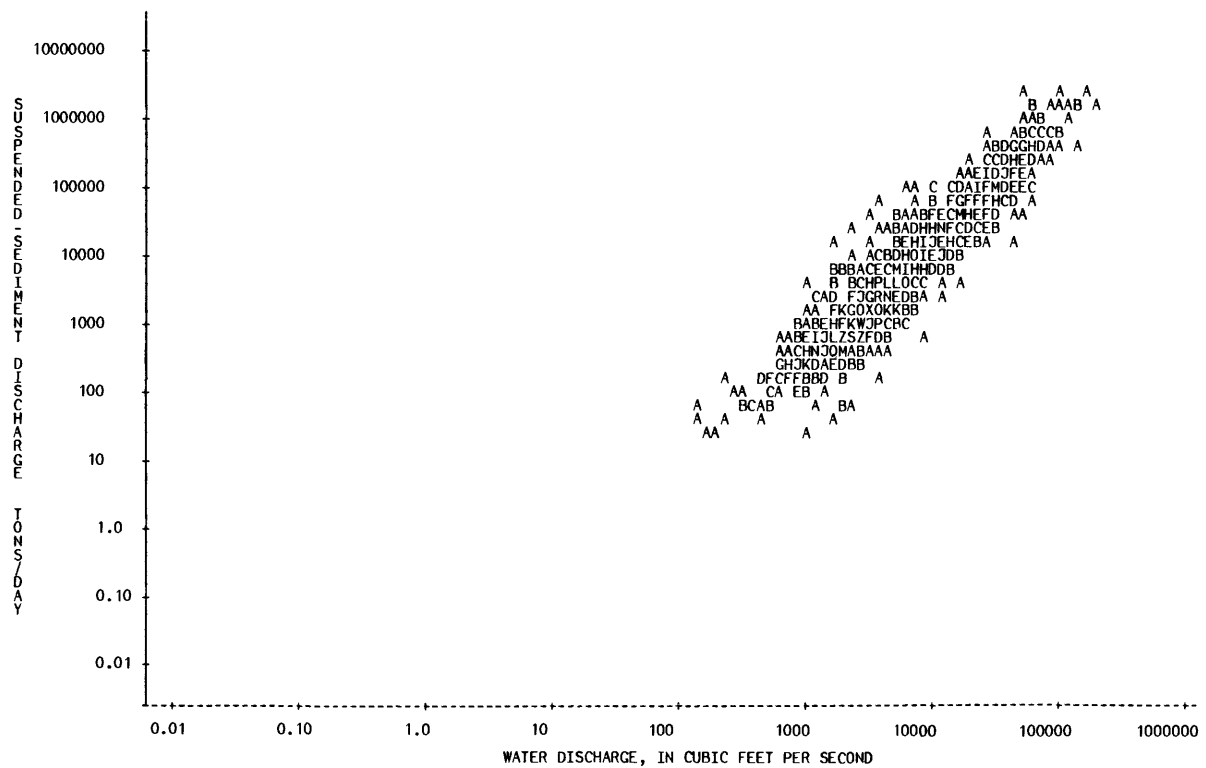
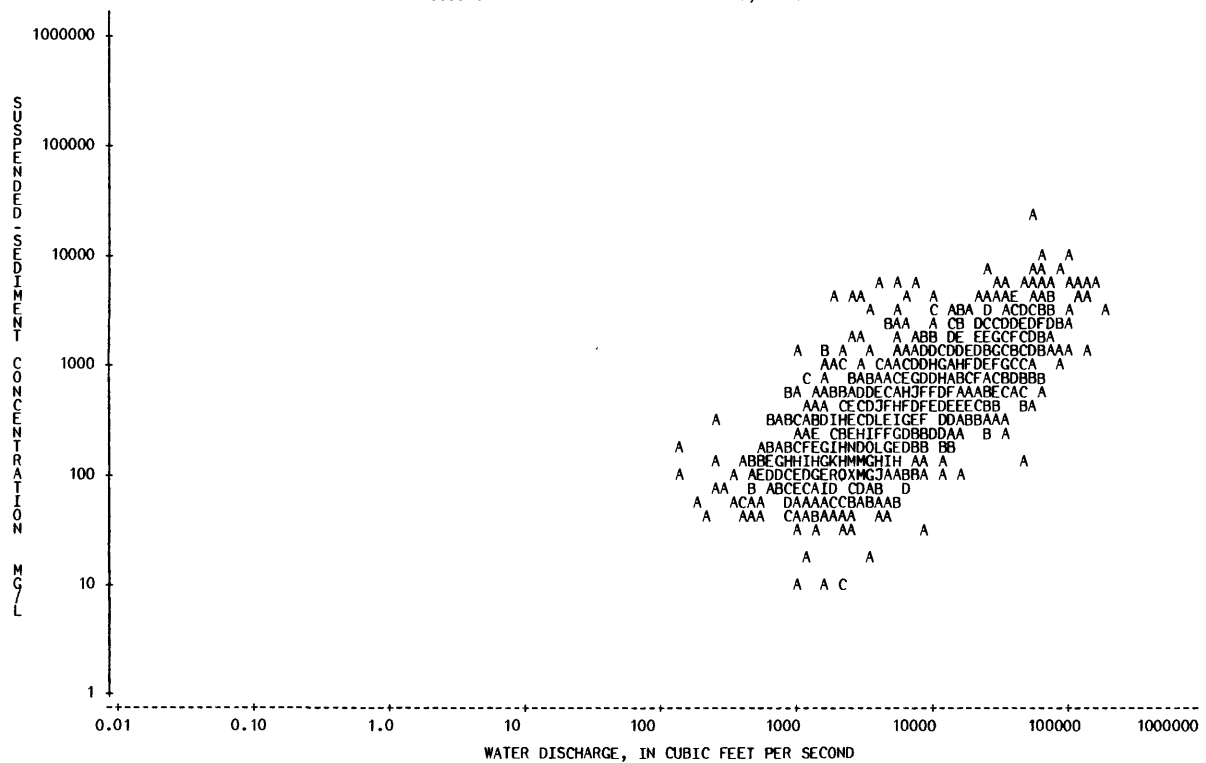
07335500 RED RIVER AT ARTHUR CITY, TEX.--CONTINUED

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
75-05-13			8070	390	A 8500						
75-06-02			41100	4110	A 456000						
75-06-06			38700	1020	A 107000						
75-06-12			37100	4110	A 412000						
75-06-18			26500	2270	A 162000						
75-07-03			13000	1860	A 65300						
75-07-11			2400	130	A 842						
75-07-28			8880	1640	A 39300						
75-08-07			13200	2280	A 81300						
75-08-27			6420	830	A 14400						
75-09-08			2320	250	A 1570						
75-09-24			5700	270	A 4160						
75-10-09			2020	290	A 1580						
75-10-22			1280	230	A 795						
75-11-06			1860	290	A 1460						
75-11-18			2040	1140	A 6280						
75-12-04			6590	870	A 15500						
75-12-11			2210	530	A 3160						
76-01-14			1690	400	A 1830						
76-01-23			1890	260	A 1330						
76-02-12			1850	300	A 1500						
76-02-19			4840	2080	A 27200						
76-03-05			1780	350	A 1680						
76-03-18			2160	450	A 2620						
76-03-31			911	310	A 763						
76-04-15			2570	340	A 2360						
76-04-23			34700	5130	A 481000						
76-05-10			9030	820	A 20000						
76-05-25			6030	490	A 7980						
76-06-08			10000	670	A 18100						
76-06-22			2660	420	A 3020						
76-07-22			3500	580	A 5480						
76-08-03			3500	320	A 3020						
76-08-19			2390	380	A 2450						
76-09-02			1120	120	A 363						
76-09-30			2590	250	A 1750						
76-10-07			2710	400	A 2930						
76-10-29			2480	120	A 804						
76-11-04			1370	140	A 518						
76-11-18			3140	140	A 1190						
76-12-09			10800	430	A 12500						
76-12-16			7350	690	A 13700						
77-01-26			4820	450	A 5860						
77-02-03			2673	640	A 4620						
77-02-15			7970	1250	A 26900						
77-03-10			1890	310	A 1580						
77-03-17			1190	170	A 546						
77-03-31			54600	21400	A 3150000						
77-04-14			7190	760	A 14800						
77-05-03			4050	370	A 4050						
77-05-19			7230	710	A 13900						
77-06-02			42400	3880	A 444000						
77-06-09			12000	800	A 25900						
77-06-16			5350	470	A 6790						
77-07-05			1030	150	A 417						
77-07-21			2540	140	A 960						
77-08-04			1520	200	A 821						
77-09-02			4200	400	A 4540						
77-09-28			2610	180	A 1270						
77-10-12	1115		619	90	A 150						
77-11-03	1208		7180	660	A 12800						
77-11-16	1132		1030	140	A 389						
77-12-01	1108		746	100	A 201						
77-12-22	1120		1220	20	A 66						
78-02-23	1135		4140	150	A 1680						
78-03-09	1130		5480	990	A 14600						

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07335500 RED RIVER AT ARTHUR CITY, TEX.



## RED RIVER BASIN

07335700 KIAMICHI RIVER NEAR BIG CEDAR, OKLA.

LOCATION.--Lat 34°38'18", long 94°36'45", in SW 1/4 SE 1/4 sec.18, T.26 N., R.26 E., LeFlore County, Hydrologic Unit 11140105, in Ouachita National Forest, on downstream side of right bank pier of bridge on State Highway 63, 0.2 mi (0.3 km) upstream from Rattlesnake Creek, 1.1 mi (1.8 km) upstream from Big Branch, 2.1 mi (3.4 km) east of Big Cedar, and at mile 157.6 (253.6 km).

DRAINAGE AREA.--40.1 mi<sup>2</sup> (103.9 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1968-80.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-10-30	1610	1190	16	51		74-09-11	0800	1010	12	33	
68-03-20	1030	4810	240	3120		74-10-23	1000	9.0	6	0.15	
68-03-20	1438	4300	153	1780		74-11-13	1300	147	6	2.4	
68-05-13	1800	4090	58	640		75-01-15	1400	54	73	11	
68-05-13	1910	3910	30	317		75-03-19	1030	206	2	1.1	
68-05-14	0900	1200	13	42		75-04-16	1130	32	5	0.43	
68-05-14	1000	1130	9	27		75-05-29	0800	155	22	9.2	
69-08-27	0950	1.0	11	0.03		75-06-11	1030	152	5	2.1	
69-10-30	1000	2.3	18	0.11		75-07-09	1030	3.6	45	0.44	
69-11-26	1000	30	4	0.32		75-10-15	1630	1.4	154	0.58	
69-12-16	0800	30	7	0.57		76-02-03	1600	24	3	0.19	
70-01-26	1450	21	2	0.11		76-05-04	1400	24	100	6.5	
70-02-25	1430	120	9	2.9		76-06-06	1300	51	5	0.69	
70-03-23	1430	110	2	0.59		76-09-22	1530	3.5	5	0.05	
70-04-20	1445	503	2	2.7		76-11-29	1730	87	9	2.1	
70-05-25	1630	4.8	1	0.01		76-12-28	1330	18	1	0.05	
70-06-24	1430	0.96	8	0.02		77-01-26	1045	100	5	1.3	
70-09-15	1245	2.0	6	0.03		77-02-24	1100	38	5	0.51	
70-10-06	1530	22	2	0.12		77-03-22	1700	33	5	0.45	
70-11-03	1700	71	2	0.38		77-04-25	1715	62	2	0.33	
70-12-08	1500	11	2	0.06		77-05-24	1600	4.8	6	0.08	
71-01-13	1300	140	2	0.76		77-06-01	1530	1.9	22	0.11	
71-02-17	1400	69	2	0.37		77-07-12	1640	0.08	5	0.00	
71-03-17	1100	102	2	0.55		77-10-31	1800	1.4	10	0.04	
71-04-20	1400	402	22	24		78-01-03	1645	6.7	3	0.05	
71-05-05	1300	22	5	0.30		78-03-07	1215	405	15	16	
71-06-16	1400	9.4	11	0.28		78-04-04	1345	37	7	0.70	
71-07-07	1100	1.5	12	0.05		78-05-03	1500	69	11	2.0	
71-09-21	1500	0.86	5	0.01		78-12-06	1630	20	7	0.38	
71-10-20	1100	260	8	5.6		79-01-23	1045	116	12	3.8	
71-12-21	1100	71	4	0.77		79-02-14	1500	88	9	2.1	
72-01-18	1300	30	8	0.65		79-03-06	1525	138	11	4.1	
72-02-22	1600	46	16	2.0		79-04-03	1620	274	5	3.7	
72-03-14	1400	148	14	5.6		79-05-09	1330	69	35	6.5	
72-04-11	1500	13	8	0.28		79-06-19	1645	10.0	39	1.1	
72-05-16	1300	9.9	6	0.16		79-07-24	1600	1.2	24	0.08	
72-10-25	1400	0.75	8	0.02		79-09-25	1530	2.7	8	0.06	
72-11-07	1300	320	8	6.9		79-10-09	1530	0.52	5	0.01	
72-12-05	1500	24	2	0.13		79-11-06	0930	11	10	0.30	
73-03-13	1400	172	2	0.93		79-12-04	1000	9.9	3	0.08	
73-05-16	1600	32	3	0.26		80-01-08	1200	23	5	0.31	
73-06-12		35	3	0.28		80-02-12	1030	99	5	1.3	
73-07-17	1430	16	5	0.22		80-03-18	1430	25	3	0.20	
73-08-14	1500	2.0	2	0.01		80-04-16	0840	138	2	0.75	
73-09-18	1700	5.1	4	0.06		80-05-21	1020	130	7	2.5	
73-10-24	1500	17	12	0.55		80-06-23	1430	14	6	0.23	
73-11-13	1145	32	5	0.43		80-07-23	1030	0.02	13	0.00	
73-12-12	1300	56	9	1.4		80-09-29	1805	65	4	0.70	
74-01-15	1500	61	5	0.82							
74-03-19	1400	59	14	2.2							
74-04-16	1400	62	5	0.84							
74-07-17	1000	1.3	6	0.02							
74-08-13	1100	1.5	11	0.04							

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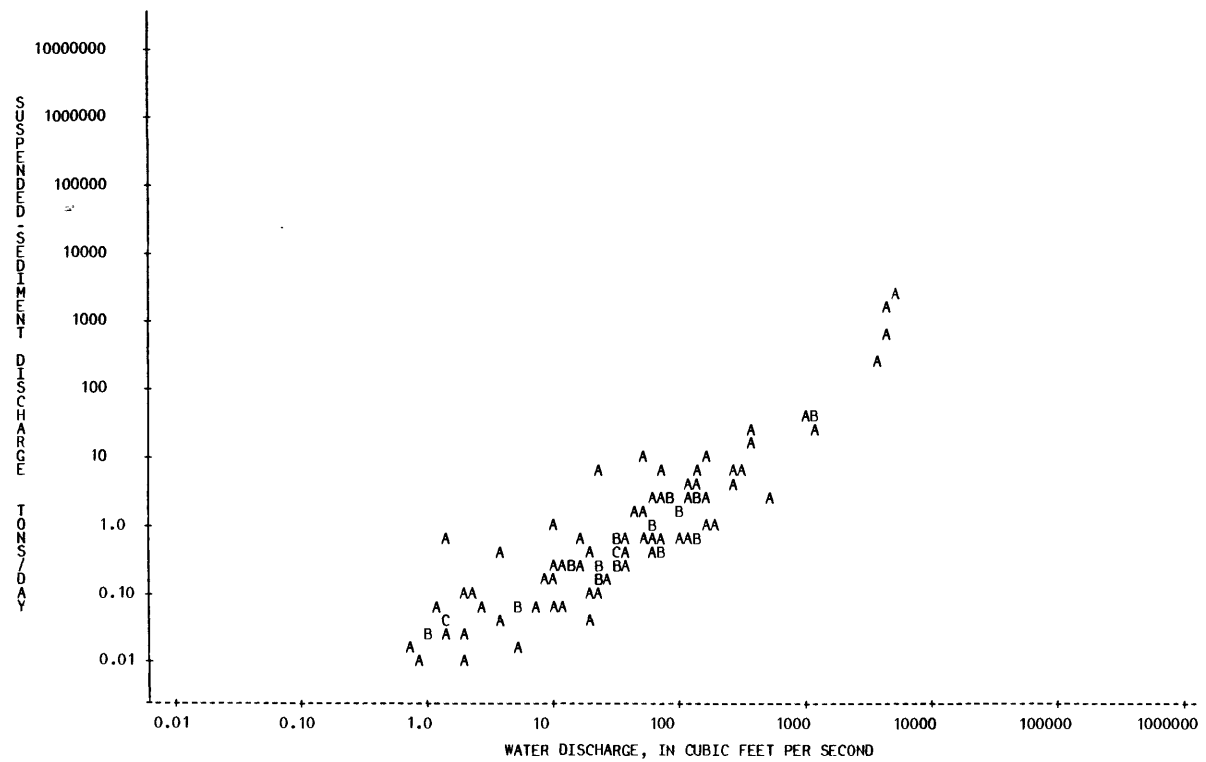
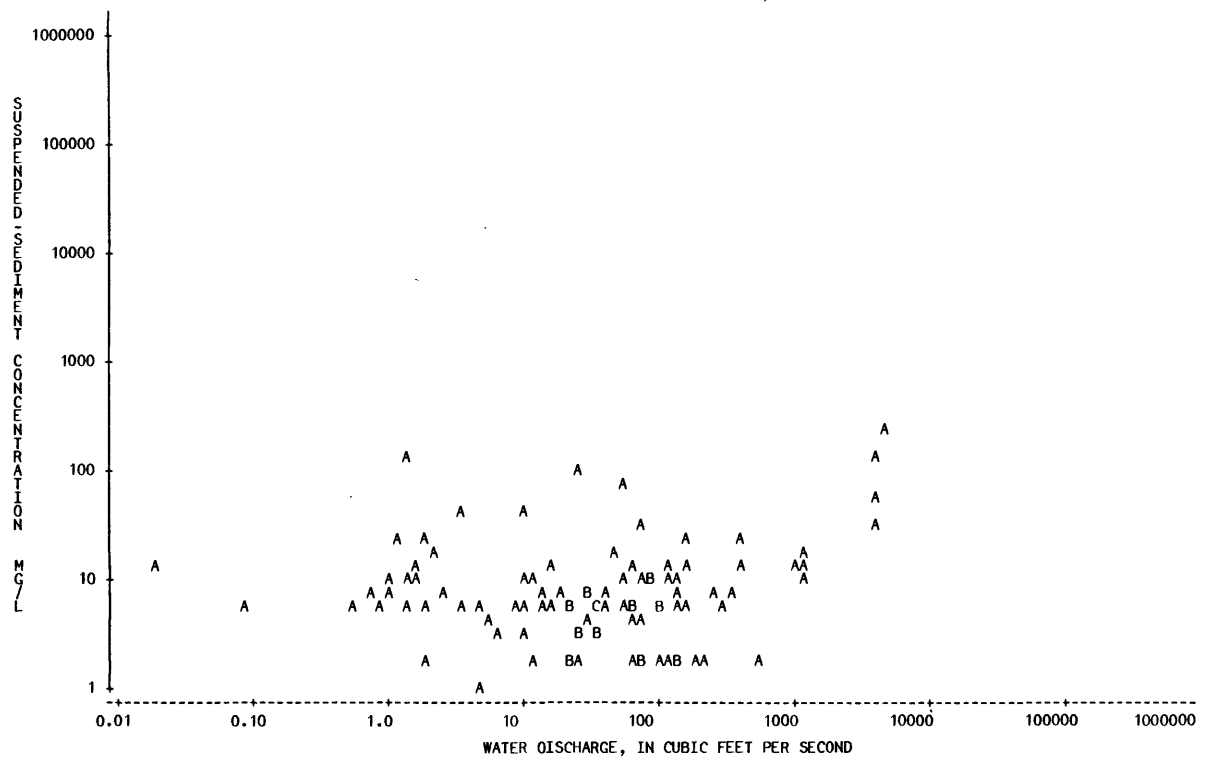
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07335700 KIAMICHI RIVER NEAR BIG CEDAR, OKLA.



## RED RIVER BASIN

07336200 KIAMICHI RIVER NEAR ANTLERS, OKLA.

LOCATION.--Lat 34°14'55", long 95°36'18", in SW 1/4 sec.35, T.3 S., R.16 E., Pushmataha County, Hydrologic Unit 11140105, on right bank, 50 ft (15.2 m) downstream from bridge on U.S. Highway 271 and State Highway 2, 2.0 mi (3.2 km) northeast of Antlers, 7.7 mi (12.4 km) downstream from Tenmile Creek, 5.4 mi (8.7 km) upstream from Cedar Creek and at mile 59.6 (95.9 km).

DRAINAGE AREA.--1,138 mi<sup>2</sup> (2,947 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1972-80.

REMARKS.--Small diversion above station for municipal supply.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
72-01-06			14700	180	A 7140	77-03-04	1415		5790	270	A 4220
72-11-04			2580	240	A 1670	77-04-18	1223		1560	170	A 716
72-11-07			22200	190	A 11400	77-05-05	1218		312	10	A 8.4
72-11-08			20500	90	A 4980	78-01-31	1312		382	910	A 939
72-11-14			12000	110	A 3560	78-02-21	1338		992	90	A 241
72-11-30			625	30	A 51	78-03-08	1407		8060	470	A 10200
72-12-18			937	10	A 25	78-03-24	1245		15000	340	A 13800
73-01-22			5940	30	A 481	78-03-29	1338		1540	150	A 624
73-02-26			873	20	A 47	78-04-17	1252		496	40	A 54
73-03-07			8040	60	A 1300	78-05-08	1342		2165	110	A 643
73-03-20			1210	40	A 131	78-05-16	1322		325	140	A 123
73-03-26			16800	100	A 4540	78-06-14	1312		182	70	A 34
73-04-02			1920	50	A 259	78-09-25			144	30	A 12
73-04-17			18800	140	A 7110	78-10-02	1155		28	50	A 3.8
73-04-23			21900	180	A 10600	78-10-16	1130		7.7	20	A 0.42
73-04-24			29400	130	A 10300	78-10-31	1130		2.5	30	A 0.20
73-05-02			19000	220	A 11300	78-11-17	1235		7620	100	A 2060
73-05-08			12500	120	A 4050	78-11-30	1352		702	120	A 227
73-05-15			620	20	A 33	78-12-18	1353		226	50	A 31
73-06-04			24300	110	A 7220	79-10-29	1325		6.2	60	A 1.0
73-06-19			1440	50	A 194	79-11-14	1325		49	100	A 13
73-10-18			1380	50	A 186	80-03-10	1350		139	60	A 23
73-11-06			848	30	A 69	80-04-04	1325		2930	350	A 2770
73-11-26			38700	150	A 15700	80-04-24	1310		348	100	A 94
73-12-05			12100	90	A 2940	80-06-26	1215		260	260	A 183
73-12-12			1010	130	A 355	80-07-17	1330		8.3	390	A 8.7
73-12-20			4050	140	A 1530	80-09-29	1140		5000	230	A 3110
74-01-02			800	20	A 43						
74-01-29			3590	60	A 582						
74-03-12			23600	190	A 12100						
74-03-26			1230	20	A 66						
74-04-10			642	40	A 69						
74-04-18			745	20	A 40						
74-05-01			23400	140	A 8850						
74-05-08			1220	70	A 231						
74-06-10			30100	110	A 8940						
75-01-14			972	40	A 105						
75-02-04			8540	80	A 1840						
75-02-19			942	20	A 51						
75-03-06			962	210	A 545						
75-04-02			2190	30	A 177						
75-04-15			858	30	A 69						
75-05-01			1070	80	A 231						
75-05-14			1640	120	A 531						
75-06-05			361	210	A 205						
75-06-11			4010	130	A 1410						
75-09-24			2060	40	A 222						
75-09-26			13600	100	A 3670						
75-11-01			514	230	A 319						
75-11-17			52	80	A 11						
76-05-18			1720	110	A 511						
76-12-14			950	170	A 436						
77-03-03	1422		1760	140	A 665						

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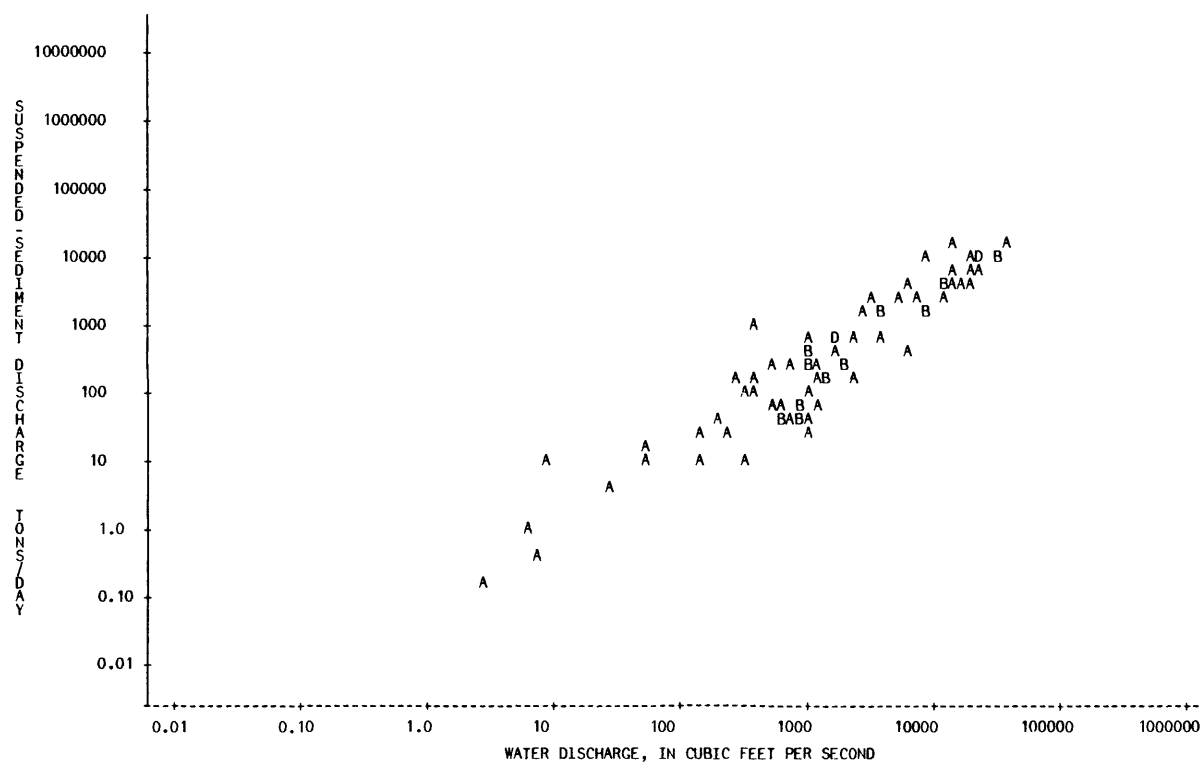
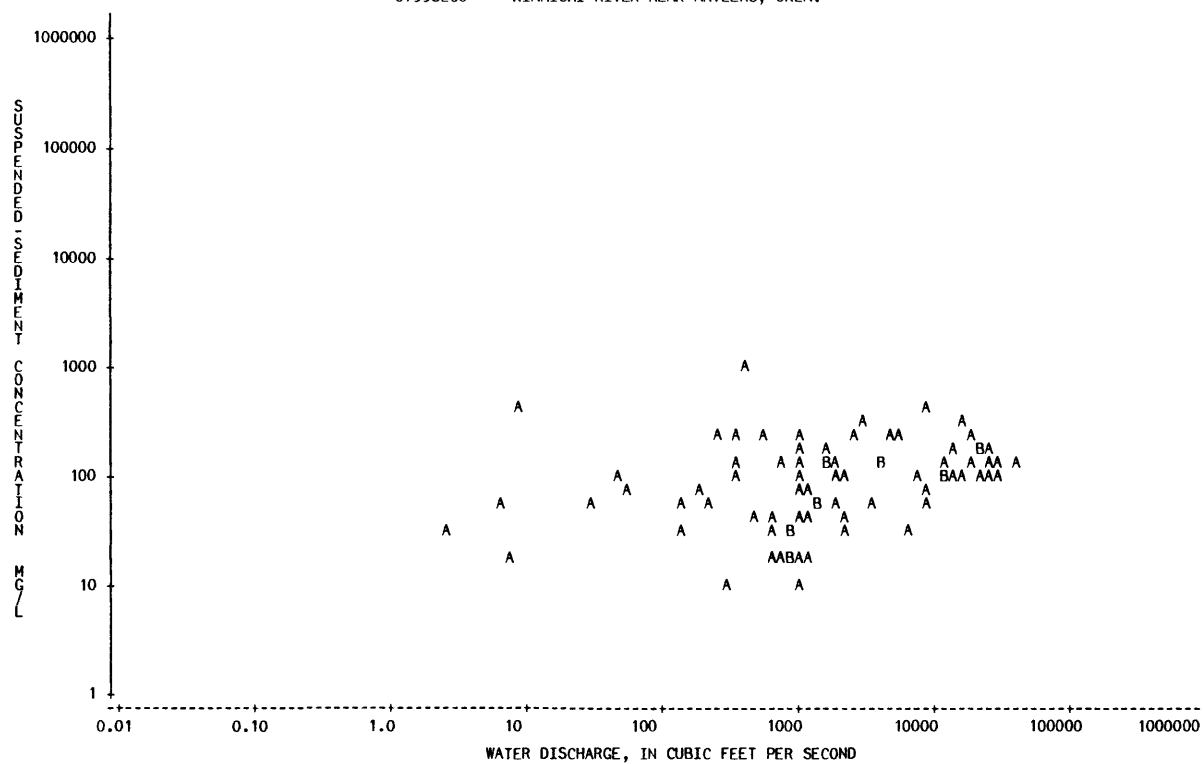
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07336200 KIAMICHI RIVER NEAR ANTLERS, OKLA.



## RED RIVER BASIN

07336500 KIAMICHI RIVER NEAR BELZONI, OKLA.

LOCATION.--Lat 34°12'02", long 95°29'03", in SE 1/4 sec.14, T.4 S., R.17 E., Pushmataha County, Hydrologic Unit 11140105, at bridge on State Highway 7, 1.8 mi (2.9 km) northwest of Belzoni, 6.5 mi (10.5 km) downstream from Cedar Creek, 10 mi (16.1 km) upstream from Possum Creek, and at mile 47.7 (76.8 km).

DRAINAGE AREA.--1,423 mi<sup>2</sup> (3,686 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-40, 1944-72.

REMARKS.--Small diversion above station for municipal supply.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-22			435	100	A 117	47-03-25			5920	400	A 6390
38-09-14			16	100	A 4.3	47-04-03			592	200	A 320
39-02-16			1500	100	A 405	47-04-10			3370	200	A 1820
39-03-15			538	300	A 436	47-04-18			2450	100	A 662
39-04-17			30440	700	A 57500	47-04-29			23600	600	A 38200
39-06-07			3520	300	A 2850	47-04-30			26200	400	A 28300
40-02-23			525	200	A 283	47-05-09			795	300	A 644
40-04-29			9480	700	A 17900	47-05-21			7030	400	A 7590
40-07-11			157	100	A 42	47-06-06			800	400	A 864
43-12-31			1130	200	A 610	47-11-24			316	100	A 85
44-04-05			2680	400	A 2890	47-12-08			13400	500	A 18100
44-05-10			7070	400	A 7640	47-12-17			5760	400	A 6220
44-06-15			2810	200	A 1520	48-02-17			2410	100	A 651
45-02-16			1810	200	A 977	48-02-27			16000	300	A 13000
45-02-22			41200	200	A 22200	48-03-02			10600	200	A 5720
45-02-25			3320	200	A 1790	48-04-14			5950	400	A 6430
45-03-01			23400	100	A 6320	48-05-19			2900	300	A 2350
45-03-15			4080	300	A 3300	48-05-25			8490	1000	A 22900
45-05-17			34900	400	A 37700	48-12-17			2130	100	A 575
45-06-12			54300	300	A 44000	49-01-18			3180	200	A 1720
45-06-13			53500	300	A 43300	49-02-14			19100	200	A 10300
45-06-14			41500	200	A 22400	49-02-16			20600	100	A 5560
45-08-17			5770	200	A 3120	49-03-21			6080	100	A 1640
45-09-26			8180	100	A 2210	49-03-28			11600	100	A 3130
45-10-31			313	100	A 85	49-03-30			2780	100	A 751
46-01-31			653	300	A 529	49-04-12			4530	100	A 1220
46-02-07			6490	500	A 8760	49-04-26			1420	100	A 383
46-02-12			4990	300	A 4040	49-05-03			16600	100	A 4480
46-02-14			24400	200	A 13200	49-06-14			14000	300	A 11300
46-02-27			1080	300	A 875	49-06-15			17500	100	A 4730
46-03-08			789	200	A 426	49-10-26			5870	400	A 6340
46-03-18			554	200	A 299	50-01-12			3490	300	A 2830
46-03-28			8170	500	A 11000	50-01-16			17800	200	A 9610
46-04-03			950	200	A 513	50-02-01			14400	300	A 11700
46-04-08			472	100	A 127	50-02-12			40600	400	A 43800
46-04-16			7430	500	A 10000	50-05-09			4760	100	A 1290
46-04-18			5270	200	A 2850	50-07-05			3690	500	A 4980
46-04-24			25500	300	A 20700	50-07-24			16000	300	A 13000
46-04-25			20600	200	A 11100	50-09-18			35900	400	A 38800
46-05-02			3790	100	A 1020	51-02-19			22800	600	A 36900
46-05-09			1000	100	A 270	51-06-12			49800	300	A 40300
46-05-16			4740	100	A 1280	51-11-01			12200	100	A 3290
46-05-22			1520	100	A 410	51-12-10			3000	100	A 810
46-06-12			427	100	A 115	52-03-03			6700	300	A 5430
46-11-04			25800	600	A 41800	52-03-19			2340	100	A 632
46-11-07			29500	500	A 39800	52-04-02			2740	100	A 740
46-11-09			5330	500	A 7200	52-04-17			2410	100	A 651
46-11-20			1520	500	A 2050	52-04-23			23520	100	A 6350
46-11-25			672	600	A 1090	52-04-28			1880	100	A 508
46-12-10			15800	7100	A 303000	52-11-28			1230	100	A 332
46-12-12			46800	500	A 63200	53-03-20			12300	100	A 3320
46-12-30			494	100	A 133	53-04-06			18100	200	A 9770
47-01-10			760	100	A 205	53-04-15			1900	100	A 513

\*\*\*\*\*  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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## RED RIVER BASIN

07336500 KIAMICHI RIVER NEAR BELZONI, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
53-04-24			40100	300	A 32500	61-02-16			604	70	A 114
53-04-25			34800	300	A 28200	61-03-08			4300	70	A 813
53-05-13			22400	200	A 12100	61-03-27			5120	70	A 968
53-05-20			2270	100	A 613	61-04-17			854	40	A 92
53-06-02			184	10	A 5.0	61-05-04			573	40	A 62
53-07-14			353	20	A 19	61-05-08			15900	160	A 6870
53-07-22			25100	180	A 12200	61-06-08			1690	90	A 411
53-07-27			2370	50	A 320	61-07-17			4020	200	A 2170
54-01-18			2580	110	A 766	61-08-17			1020	80	A 220
54-01-20			18100	470	A 23000	61-11-28			1850	70	A 350
54-01-27			6720	110	A 2000	62-01-17			2340	110	A 695
54-02-02			1100	90	A 267	62-02-07			639	20	A 35
54-04-13			2680	130	A 941	62-03-08			806	110	A 239
54-05-21			520	70	A 98	62-04-11			1010	30	A 82
54-10-25			6920	150	A 2800	62-04-24			21200	150	A 8590
55-02-20			22600	360	A 22000	62-05-07			558	40	A 60
55-03-15			5260	90	A 1280	62-10-03			1920	180	A 933
55-03-22			25600	190	A 13100	62-10-16			2560	80	A 553
55-03-23			18500	90	A 4500	62-10-31			2820	100	A 761
55-04-01			2650	160	A 1140	62-11-06			495	80	A 107
55-04-12			634	60	A 103	62-11-27			13600	200	A 7340
55-05-12			3420	100	A 923	62-12-03			2940	80	A 635
55-06-01			638	60	A 103	63-01-03			449	30	A 36
55-09-01			869	80	A 188	63-01-15			430	80	A 93
55-09-26			21300	170	A 9780	63-03-13			900	60	A 146
55-10-03			910	60	A 147	63-03-20			9810	430	A 11400
56-02-08			3340	140	A 1260	63-03-27			804	50	A 109
56-02-20			3940	70	A 745	63-04-03			557	20	A 30
56-04-03			414	10	A 11	63-05-01			3080	90	A 748
56-04-30			10700	480	A 13900	63-05-06			848	50	A 114
56-05-09			465	20	A 25	63-07-12			552	380	A 566
56-05-26			10800	280	A 8160	63-07-31			1380	170	A 633
56-06-01			1460	110	A 434	64-03-06			478	150	A 194
56-12-20			1100	90	A 267	64-03-11			8990	230	A 5580
57-02-01			3880	100	A 1050	64-03-24			923	180	A 449
57-02-06			19100	380	A 19600	64-04-06			15900	500	A 21500
57-02-12			2030	30	A 164	64-04-14			1020	170	A 468
57-02-28			1470	30	A 119	64-04-20			458	130	A 161
57-03-26			4160	140	A 1570	64-05-01			719	50	A 97
57-04-02			3300	40	A 356	64-05-05			401	40	A 43
57-04-10			2250	40	A 243	64-05-12			5670	170	A 2600
57-04-18			4270	80	A 922	64-09-02			388	160	A 168
57-04-22			17500	230	A 10900	64-09-23			3950	290	A 3090
57-04-25			27300	180	A 13300	64-09-29			20900	190	A 10700
57-04-26			37200	190	A 19100	64-10-05			526	50	A 71
57-04-30			19100	100	A 5160	64-11-24			1370	100	A 370
57-05-14			17100	250	A 11500	64-12-07			558	20	A 30
57-05-26			40400	220	A 24000	64-12-15			935	30	A 76
57-06-04			24100	140	A 9110	64-12-21			410	20	A 22
57-06-13			3010	280	A 2280	65-01-13			1160	110	A 345
57-09-23			39900	110	A 11900	65-02-17			1120	140	A 423
57-11-14			1210	50	A 163	65-03-03			4380	130	A 1540
57-11-27			1790	230	A 1110	65-03-11			739	40	A 80
57-12-09			1750	150	A 709	65-03-25			505	40	A 55
58-01-21			5490	170	A 2520	65-03-29			3710	110	A 1100
58-01-31			873	10	A 24	65-04-08			1950	100	A 527
58-03-10			6190	100	A 1670	65-04-14			718	100	A 194
58-03-25			9220	170	A 4230	65-05-11			7740	180	A 3760
58-04-08			1030	30	A 83	65-05-19			4440	110	A 1320
58-04-23			3210	140	A 1210	65-06-03			439	40	A 47
58-05-03			52200	240	A 33800	65-06-16			1810	100	A 489
58-05-07			3750	190	A 1920	65-09-22			10600	480	A 13700
58-05-16			833	80	A 180	66-01-07			601	50	A 81
58-05-28			175	330	A 156	66-02-16			1350	90	A 328
58-07-15			913	80	A 197	66-02-28			434	10	A 12
58-11-19			2200	90	A 535	66-03-08			610	10	A 16
59-01-23			632	40	A 68	66-03-15			550	70	A 104
59-02-04			290	40	A 31	66-04-19			1960	140	A 741
59-02-16			1400	60	A 227	66-04-26			19600	160	A 8470
59-03-26			3730	210	A 2110	66-05-10			638	100	A 172
59-04-01			8920	210	A 5060	66-05-19			1090	110	A 324
59-04-14			494	10	A 13	67-03-30			672	80	A 145
59-04-28			579	60	A 94	67-04-11			10100	170	A 4640
59-05-11			11700	300	A 9480	67-04-13			27800	230	A 17300
59-07-23			9030	200	A 4880	67-04-19			1640	60	A 266
59-07-28			18000	140	A 6800	67-04-26			4690	80	A 1010
59-10-16			1630	60	A 264	67-05-05			620	50	A 84
59-11-04			2360	730	A 4650	67-05-16			671	40	A 72
59-11-06			2160	160	A 933	67-05-23			4920	120	A 1590
59-12-17			21600	130	A 7580	67-05-31			10800	460	A 13400
60-01-12			3220	20	A 174	67-06-01			15900	280	A 12000
60-02-19			2390	60	A 387	67-06-06			888	100	A 240
60-05-09			2710	50	A 366	67-06-29			639	110	A 190
60-05-21			59000	250	A 39800	67-07-14			584	40	A 63
60-05-22			59800	200	A 32300	67-09-11			883	100	A 238
60-07-25			17700	420	A 20100	67-09-20			2260	100	A 610
60-08-23			2300	170	A 1060	67-11-01			14900	140	A 5630
60-10-07			413	80	A 89	67-11-09			637	50	A 86
60-12-12			18400	180	A 8940	67-11-17			479	40	A 52

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\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

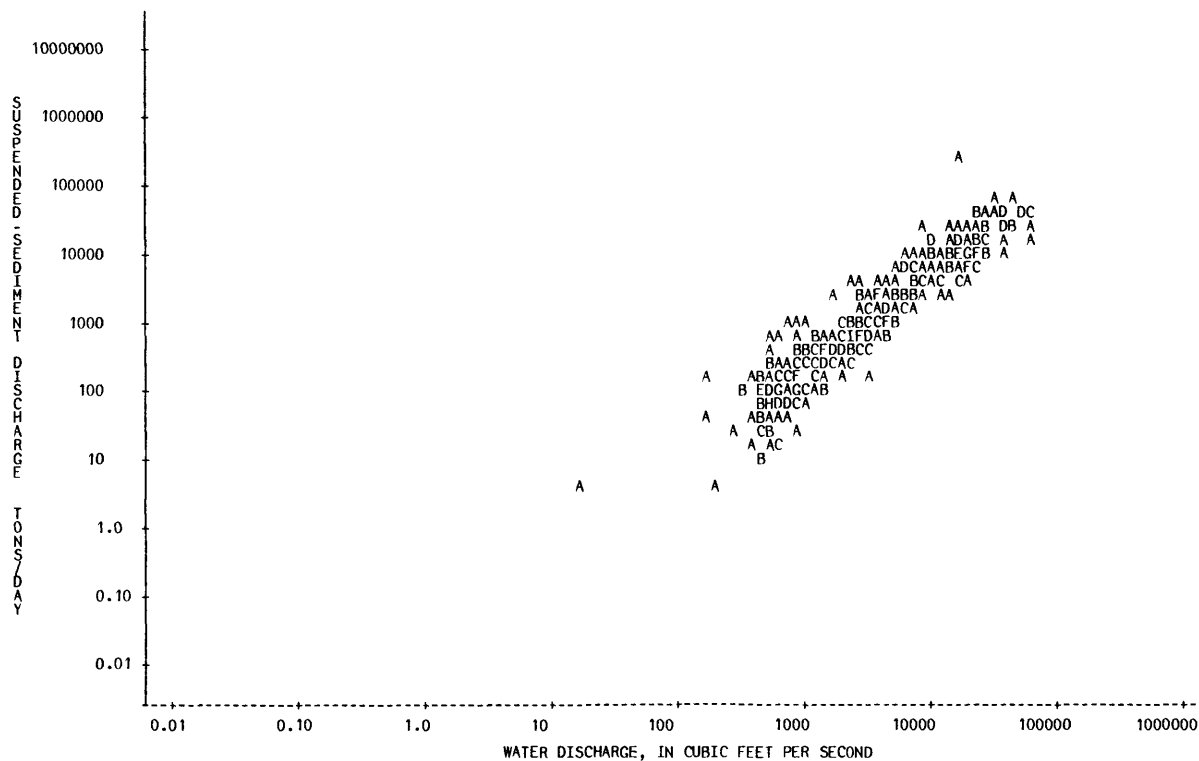
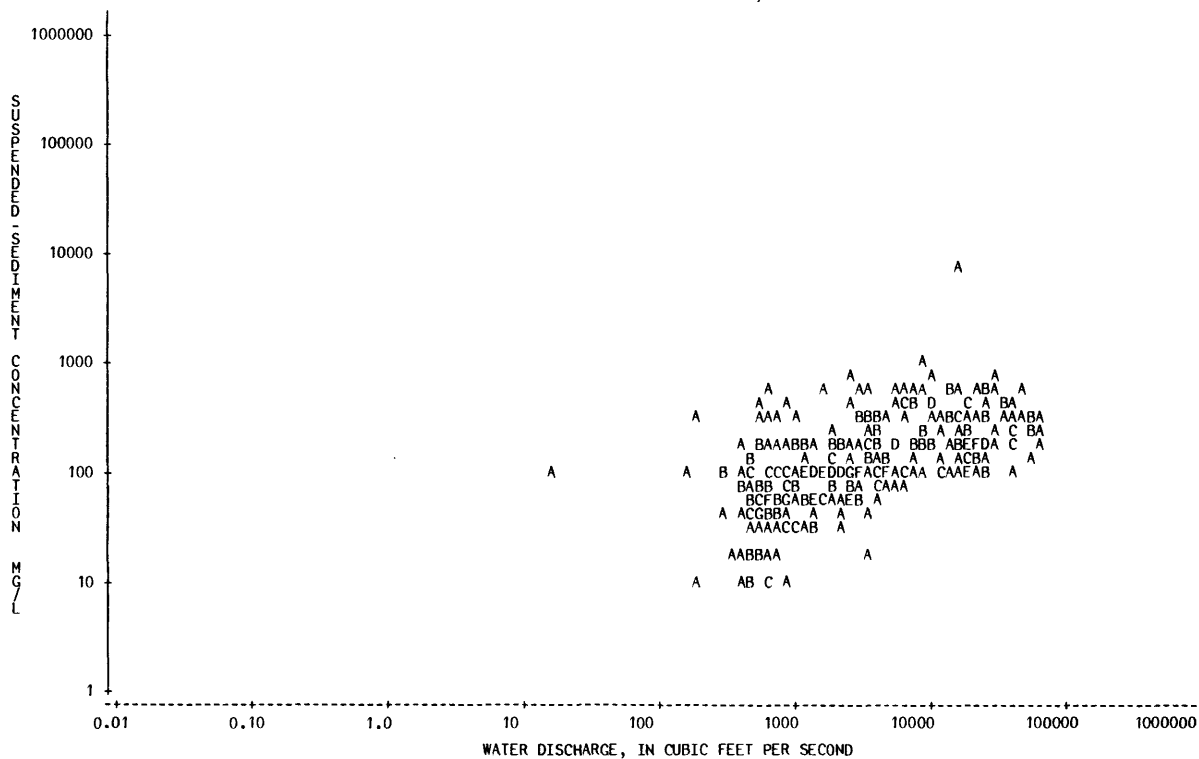
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
67-12-19			4240	60	A 687						
68-01-03			680	30	A 55						
68-01-15			516	60	A 84						
68-01-30			22300	200	A 12000						
68-02-07			1480	90	A 360						
68-02-19			795	40	A 86						
68-03-21			39700	210	A 22500						
68-03-29			1310	60	A 212						
68-04-01			2770	500	A 3740						
68-04-03			21400	160	A 9240						
68-04-10			1410	60	A 228						
68-04-16			902	60	A 146						
68-04-23			11800	230	A 7330						
68-05-07			789	50	A 107						
68-05-13			40400	260	A 28400						
68-05-19			12850	90	A 3120						
68-06-11			951	80	A 205						
68-06-25			7780	190	A 3990						
68-09-11			698	90	A 170						
68-09-17			1100	190	A 564						
68-09-25			4180	230	A 2600						
68-10-10			1940	150	A 786						
68-12-04			3070	50	A 414						
69-01-20			1860	60	A 301						
69-02-04			2510	70	A 474						
69-02-17			2570	50	A 347						
69-02-28			2160	50	A 292						
69-03-11			1620	90	A 394						
69-03-25			17700	90	A 4300						
69-04-02			1110	30	A 90						
69-04-09			602	10	A 16						
69-04-18			1450	60	A 235						
69-04-23			614	10	A 17						
69-04-29			19100	120	A 6190						
69-05-06			6500	80	A 1400						
69-05-09			19100	120	A 6190						
69-05-13			1380	40	A 149						
69-05-21			3160	60	A 512						
69-06-03			2530	100	A 683						
69-10-13			13800	560	A 20900						
69-11-03			520	40	A 56						
69-11-20			1750	80	A 378						
70-01-05			1280	50	A 173						
70-01-22			456	60	A 74						
70-02-05			812	30	A 66						
70-02-16			775	30	A 63						
70-03-04			7700	110	A 2290						
70-03-18			16900	190	A 8670						
70-03-30			1400	30	A 113						
70-04-21			4660	90	A 1130						
70-05-01			18800	110	A 5580						
70-05-08			829	30	A 67						
70-06-12			24200	280	A 18300						
70-06-13			18200	220	A 10800						
70-09-30			662	90	A 161						
70-10-28			11700	120	A 3790						
71-01-11			943	50	A 127						
71-01-21			665	60	A 108						
71-02-09			514	40	A 56						
71-02-25			2470	50	A 333						
71-03-09			833	30	A 67						
71-03-19			850	50	A 115						
71-04-23			17700	310	A 14800						
71-04-28			1560	50	A 211						
71-05-04			554	30	A 45						
71-05-11			4770	110	A 1420						
71-05-20			452	50	A 61						
71-10-21			25500	180	A 12400						
71-12-10			60300	300	A 48800						
71-12-11			56800	240	A 36800						
71-12-12			57800	120	A 18700						
72-01-12			896	50	A 121						
72-02-08			493	40	A 53						
72-03-24			729	20	A 39						
72-03-28			474	20	A 26						
72-04-20			3600	230	A 2240						
72-04-25			1240	50	A 167						
72-05-03			3090	90	A 751						
72-05-09			559	40	A 60						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE  
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07336500 KIAMICHI RIVER NEAR BELZONI, OKLA.



## RED RIVER BASIN

07336820 RED RIVER NEAR DE KALB, TEX.

LOCATION.--Lat 33°41'15", long 94°41'39", Bowie County, Tex.--McCurtain County, Okla. State line, Hydrologic Unit 11140106, near left bank at downstream side of bridge on U.S. Highway 259, 4.8 mi (7.7 km) upstream from North Mill Creek, 13 mi (21 km) north of De Kalb, and at mile 556.9 (896.1 km).

DRAINAGE AREA.--47,348 mi<sup>2</sup> (122,631 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) probably is noncontributing.

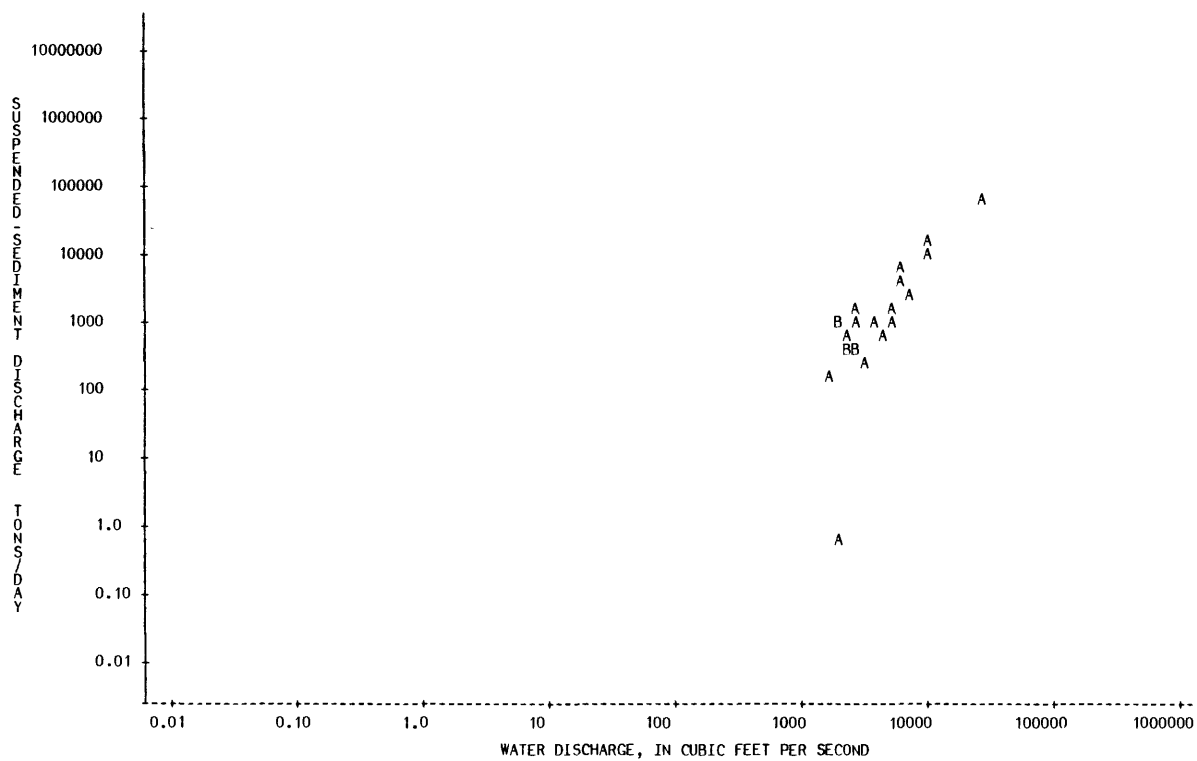
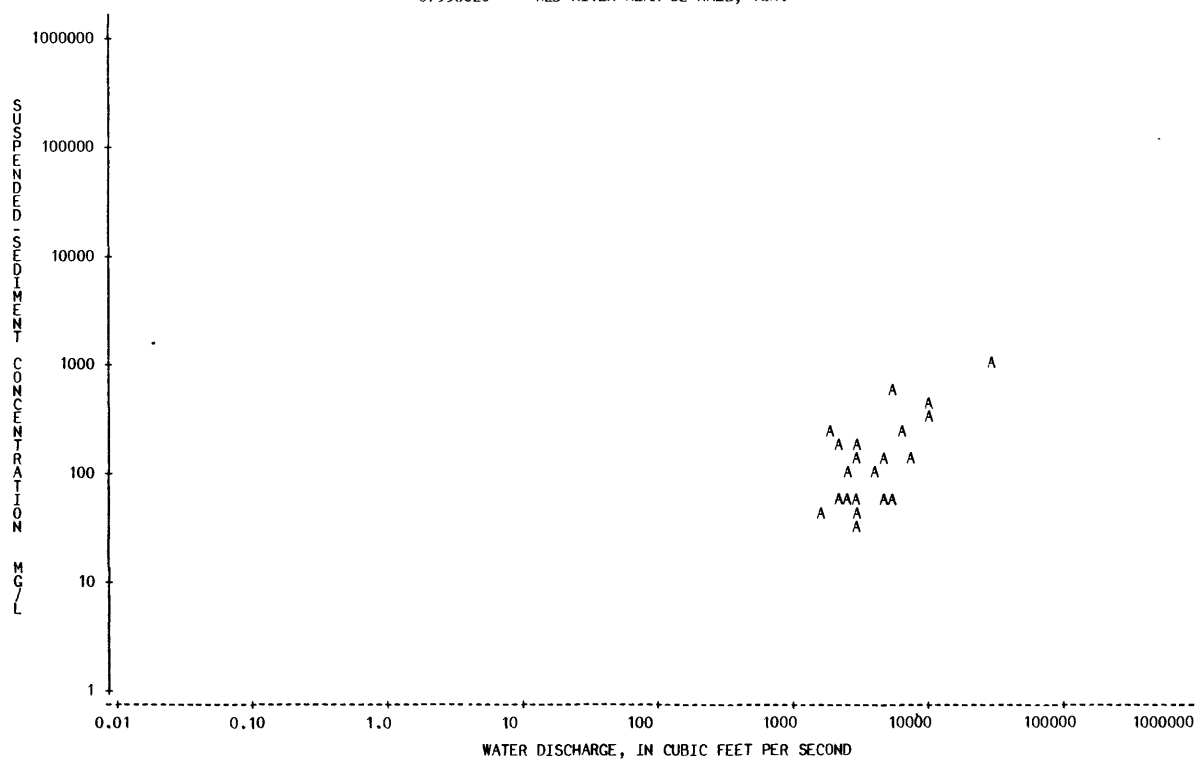
PERIOD OF RECORD.--Water years 1978-80.

REMARKS.--Flow regulated by Lake Texoma approximately 169 mi (272 km) upstream. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
78-02-08	1220		1970	210	A	1120					
78-02-21	1330		6150	270	A	4480					
78-03-09	1510		7310	140	A	2760					
78-03-27	1320		29100	990	A	77800					
78-04-05			4960	*	130	A	1740				
78-04-06			4320	*	60	A	700				
78-04-17	1420		9750	310	A	8160					
78-05-02	1235		2890	150	A	1170					
78-05-22	1450		3900	100	A	1050					
78-08-17	1530		2740	180	A	1330					
78-09-07	1510		2090	160	A	903					
78-10-16			2170	60	A	352					
78-10-31			2390	100	A	645					
78-12-06	1325		2860	50	A	386					
79-11-14	1440		2340	60		379					
79-12-18	1440		2000	0		0.00					
80-01-29	1445		5420	62		907					
80-03-11	1415		1700	40		184					
80-04-15	1620		5790	509		7960					
80-05-20	1645		10000	491		13300					
80-07-08	1510		2940	30		238					
80-08-20	1245		2880	45		350					

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
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07336820 RED RIVER NEAR DE KALB, TEX.



## RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARK.

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 bridge on U.S. Highway 71 at Index, 2.2 mi (3.5 km) south of Dgden, 20.6 mi (33.1 km) upstream from Little River, and at mile 485.3 (780.8 km).

DRAINAGE AREA.--48,030 mi<sup>2</sup> (124,400 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,370 km<sup>2</sup>) is probably noncontributing.

PERIOD OF RECORD.--Water years 1938-69, 1980.

REMARKS.--Some regulation by Lake Texoma 241 mi (388 km) upstream since Oct. 1943, by Pat Mayse Lake since September 1967, and by Hugo Lake since January 1974. Additional upstream floodwater-retarding structures located on tributaries below Lake Texoma. Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-07			9630	1000	A 26000	45-03-13			39300	2200	A 233000
38-07-08			6270	3900	A 66000	45-03-21			102000	4500	A 1240000
38-07-27			2780	100	A 751	45-03-23			87900	2600	A 617000
38-09-01			2180	100	A 589	45-03-27			50000	1900	A 257000
38-10-05			1260	200	A 680	45-04-23			63800	3600	A 620000
38-11-18			1440	100	A 389	45-05-18			55400	3500	A 524000
39-01-18			5560	6800	A 102000	45-05-20			60500	1100	A 180000
39-01-25			4140	2600	A 29100	45-05-22			40600	1600	A 175000
39-02-01			1990	700	A 3760	45-05-24			23200	1100	A 68900
39-02-08			2750	300	A 2230	45-06-15			99100	6200	A 1660000
39-04-14			1020	800	A 2200	45-06-17			73800	5200	A 1040000
39-04-27			6790	500	A 9170	45-06-20			114000	3600	A 1110000
39-05-26			6020	400	A 6500	45-06-22			120000	4300	A 1390000
39-06-09			16100	2700	A 117000	45-07-03			32700	1000	A 88300
39-06-16			2900	200	A 1570	45-07-13			50800	2000	A 274000
39-07-14			4710	3100	A 39400	45-07-27			14100	600	A 22800
39-08-17			3600	300	A 2920	45-08-02			12300	700	A 23200
39-08-25			2340	1000	A 6320	45-08-21			19400	1300	A 68100
39-09-01			1910	700	A 3610	45-09-07			3410	200	A 1840
39-10-05			539	300	A 437	45-09-13			4060	200	A 2190
39-10-12			603	200	A 326	45-09-20			3910	200	A 2110
39-10-20			1030	100	A 278	45-10-09			63900	4500	A 776000
40-04-25			4570	1200	A 14800	45-10-17			41600	3600	A 404000
40-05-16			6000	1900	A 30800	45-10-24			21900	1200	A 71000
40-05-22			14900	1900	A 76400	45-11-08			5270	400	A 5690
40-05-26			69600	6300	A 1180000	46-01-30			9750	400	A 10500
40-06-13			20700	2900	A 162000	46-02-19			49900	3400	A 458000
40-06-24			17900	2100	A 101000	46-02-26			56500	3300	A 503000
40-07-08			24200	4400	A 287000	46-02-28			47300	2400	A 307000
40-07-24			21300	2600	A 150000	46-03-05			10500	1000	A 28400
40-08-23			13800	1900	A 70800	46-03-11			11100	800	A 24000
40-09-13			5320	700	A 10100	46-03-19			13400	900	A 32600
40-11-19			2090	400	A 2260	46-03-29			51000	4500	A 620000
40-11-27			21200	1700	A 97300	46-04-02			21800	1600	A 94200
41-01-03			20000	1100	A 59400	46-04-10			8700	500	A 11700
41-08-14			7890	800	A 17000	46-04-23			12800	1300	A 44900
41-10-13			47300	4000	A 511000	46-05-01			19500	2000	A 105000
42-10-22			26700	7700	A 555000	46-05-06			21900	2300	A 136000
43-06-18			12960	1900	A 66500	46-05-13			17100	1300	A 60000
44-04-22			2610	100	A 705	46-05-28			20300	1900	A 104000
44-05-04			87800	4100	A 972000	46-06-06			36300	1900	A 186000
44-05-05			75000	2200	A 446000	46-06-12			26000	1800	A 126000
44-05-08			33500	1300	A 118000	46-06-19			12100	1100	A 35900
44-05-24			4850	400	A 5240	46-07-02			19900	1500	A 80600
44-05-31			43300	2300	A 269000	46-07-03			6510	500	A 8790
44-06-13			5920	700	A 11200	46-07-09			7100	800	A 15300
44-06-27			3930	300	A 3180	46-07-16			6290	500	A 8490
44-10-17			1150	200	A 621	46-07-23			5930	400	A 6400
44-11-28			3830	100	A 1030	46-09-03			5200	1000	A 14000
44-12-12			9560	300	A 7740	46-11-07			90100	7700	A 1870000
45-01-24			9540	500	A 12900	46-11-10			100000	3200	A 864000
45-02-24			98200	4500	A 1190000	46-11-13			63000	3700	A 629000
45-03-02			118000	4700	A 1500000	46-11-25			8450	500	A 11400

\*\*\*\*\*  
 # = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

07337000 RED RIVER AT INDEX,ARK.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
46-12-04			7800	300	A 6320	51-05-29			35800	2100	A 203000
47-01-21			11200	800	A 24200	51-06-01			36600	1500	A 148000
47-02-04			7680	400	A 8290	51-06-22			49600	1500	A 201000
47-02-21			4440	400	A 4800	51-06-26			39000	2400	A 253000
47-03-19			11700	1800	A 56900	51-07-09			36600	1600	A 158000
47-04-03			6380	700	A 12100	51-07-18			13000	700	A 24600
47-04-10			16300	1500	A 66000	52-04-07			18600	1800	A 90400
47-04-16			26300	1200	A 85200	52-04-15			64400	6700	A 1160000
47-05-02			73200	6200	A 1230000	52-04-25			110000	3800	A 1130000
47-05-06			19000	1500	A 77000	52-04-28			42300	1900	A 217000
47-05-16			40700	2600	A 286000	52-05-06			7540	2000	A 40700
47-05-21			36600	2100	A 208000	53-04-13			9580	2900	A 75000
47-05-26			60400	2700	A 440000	53-05-01			85600	6200	A 1430000
47-06-03			68800	4900	A 910000	53-05-02			86400	4200	A 980000
47-06-11			45500	2300	A 283000	53-05-04			48600	3700	A 486000
47-06-18			22500	1900	A 115000	53-05-14			60500	3100	A 506000
47-06-26			8110	800	A 17500	53-05-19			53600	2200	A 318000
47-10-31			2770	200	A 1500	53-05-22			25600	1100	A 76000
47-11-19			3820	600	A 6190	54-02-05			5180	290	A 4060
47-12-10			28400	4800	A 368000	54-04-15			11800	1050	A 33500
47-12-17			15500	1800	A 75300	54-05-05			32800	3490	A 309000
48-01-07			15500	1300	A 54400	54-05-12			62700	4360	A 738000
48-02-04			5350	200	A 2890	54-05-14			74700	4570	A 922000
48-02-11			16800	2500	A 113000	54-05-17			56000	4040	A 611000
48-02-17			13800	1200	A 44700	54-05-19			60600	3470	A 568000
48-02-25			8530	900	A 20700	54-06-03			27000	1040	A 75800
48-03-04			39300	2800	A 297000	54-10-05			12400	1740	A 58300
48-03-09			19600	1100	A 58200	54-10-15			18600	2210	A 111000
48-03-16			8500	500	A 11500	54-11-02			6390	540	A 9320
48-03-30			6920	400	A 7470	54-12-15			5430	170	A 2490
48-04-21			5970	400	A 6450	55-01-05			7040	530	A 10100
48-05-13			81900	8200	A 1810000	55-01-20			7180	410	A 7950
48-05-14			72900	6200	A 1220000	55-02-07			18900	2590	A 132000
48-05-19			45200	2800	A 342000	55-02-25			18700	2190	A 111000
48-05-27			19900	1600	A 86000	55-03-24			53700	3520	A 510000
48-06-01			20300	1200	A 65800	55-03-28			18000	1880	A 91400
48-06-09			13800	1000	A 37300	55-04-06			10100	970	A 26500
48-07-07			9620	700	A 18200	55-04-14			11800	1060	A 33800
48-07-14			56600	5200	A 795000	55-04-20			5490	1040	A 15400
48-07-19			27900	1400	A 105000	55-05-26			11900	1240	A 39800
48-08-03			4120	100	A 1110	55-06-09			5030	330	A 4480
49-01-28			108000	7700	A 2250000	55-06-23			7530	300	A 6100
49-02-01			51100	2600	A 359000	55-06-27			27200	2580	A 189000
49-02-15			6670	400	A 7200	55-07-26			5360	190	A 2750
49-03-01			37700	3800	A 387000	55-09-28			39300	5590	A 593000
49-05-04			54700	4800	A 709000	55-10-11			37700	3100	A 316000
49-05-06			44000	2300	A 273000	55-10-12			39600	4080	A 436000
49-05-09			26000	1200	A 84200	55-10-18			21200	1390	A 79600
49-05-18			5360	300	A 4340	55-10-27			6000	570	A 9230
49-05-31			29000	2200	A 172000	56-02-04			15500	3230	A 135000
49-06-16			57400	3700	A 573000	56-02-07			11600	3250	A 102000
49-10-27			27000	2000	A 146000	56-02-14			11200	1320	A 39900
49-11-01			7850	1000	A 21200	56-02-20			41200	3550	A 395000
49-11-15			4140	200	A 2240	56-02-23			15900	1530	A 65700
49-12-15			5880	900	A 14300	56-03-01			5550	390	A 5840
49-12-20			7740	900	A 18800	56-03-06			5790	300	A 4690
50-01-16			70000	4200	A 794000	56-03-28			5330	300	A 4320
50-01-17			55800	2900	A 437000	57-02-04			9360	320	A 8090
50-01-23			10700	1200	A 34700	57-04-29			124000	2630	A 881000
50-02-03			70000	7800	A 1470000	57-04-30			128000	2530	A 874000
50-02-05			47400	2900	A 371000	57-05-03			95800	1550	A 401000
50-02-14			106000	6600	A 1890000	57-05-08			80900	7620	A 1660000
50-02-15			105000	3400	A 964000	57-05-14			61200	4350	A 719000
50-02-17			64000	2500	A 432000	57-05-22			65500	4530	A 801000
50-02-20			22900	1600	A 98900	57-05-28			106000	3070	A 879000
50-02-28			7990	400	A 8630	57-06-06			139000	1840	A 691000
50-03-15			9930	500	A 13400	57-06-07			145000	2980	A 1170000
50-03-28			3910	100	A 1060	57-06-09			157000	1950	A 827000
50-05-03			77100	5200	A 1080000	57-06-13			107000	2300	A 664000
50-05-04			85800	3700	A 857000	57-06-18			72700	2000	A 393000
50-05-05			71200	3200	A 615000	57-07-05			62400	3230	A 544000
50-05-08			36400	1600	A 157000	57-07-12			12100	1130	A 36900
50-05-16			36200	1300	A 127000	57-09-27			67000	4250	A 769000
50-05-18			54900	2000	A 296000	57-10-11			9370	340	A 8600
50-05-24			38400	1300	A 135000	57-11-14			41700	1750	A 197000
50-05-31			18600	1400	A 70300	57-12-03			11300	610	A 18600
50-06-13			10500	1000	A 28400	57-12-16			10000	730	A 19700
50-07-18			18100	2200	A 108000	58-01-17			27600	2570	A 192000
50-07-27			49200	2400	A 319000	58-01-27			16000	1490	A 64400
50-07-31			60800	2500	A 410000	58-02-13			8970	410	A 9930
50-08-15			38700	1600	A 167000	58-03-14			20400	1760	A 96900
50-08-31			44800	1800	A 218000	58-03-20			11400	790	A 24300
50-09-19			73800	2200	A 438000	58-03-27			24600	1920	A 128000
50-09-22			53500	2500	A 361000	58-04-02			16500	1120	A 49900
51-03-01			12800	1100	A 38000	58-05-09			65500	3730	A 660000
51-04-25			24800	2000	A 134000	58-05-15			41800	2760	A 311000
51-05-03			9010	800	A 19500	58-05-21			12900	660	A 23000
51-05-11			4870	100	A 1310	58-07-25			9520	430	A 11100

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

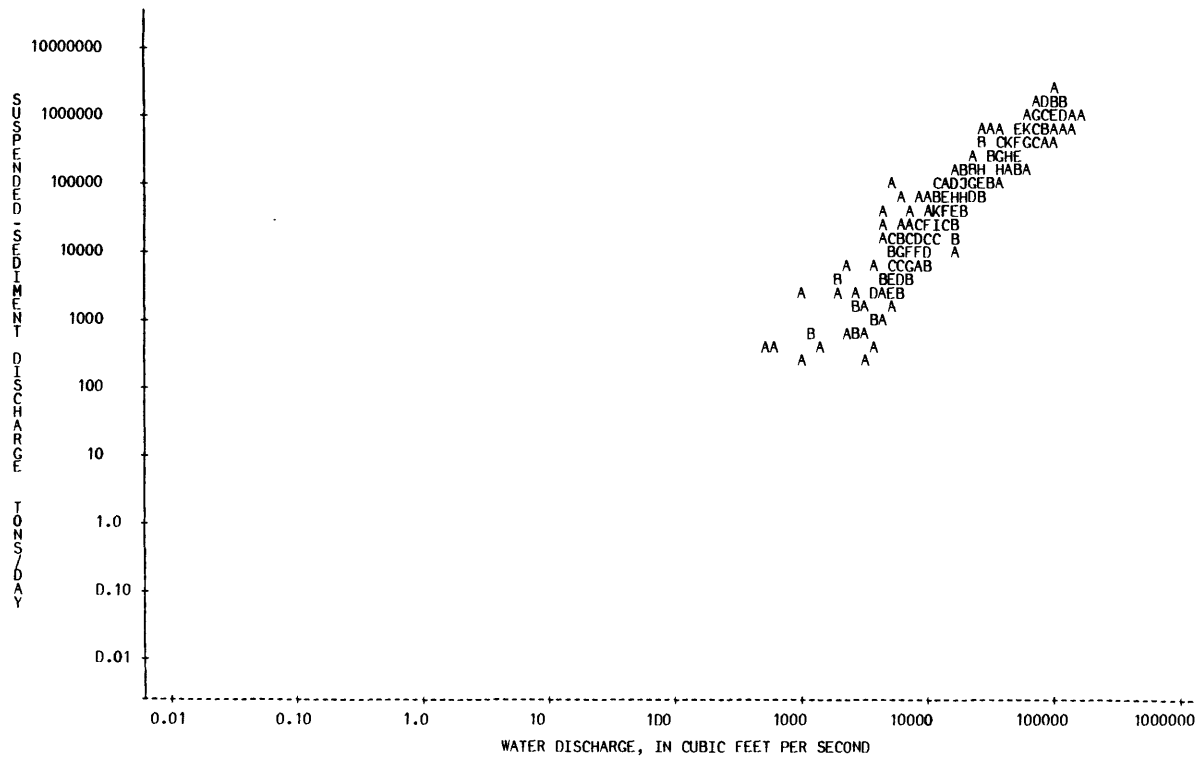
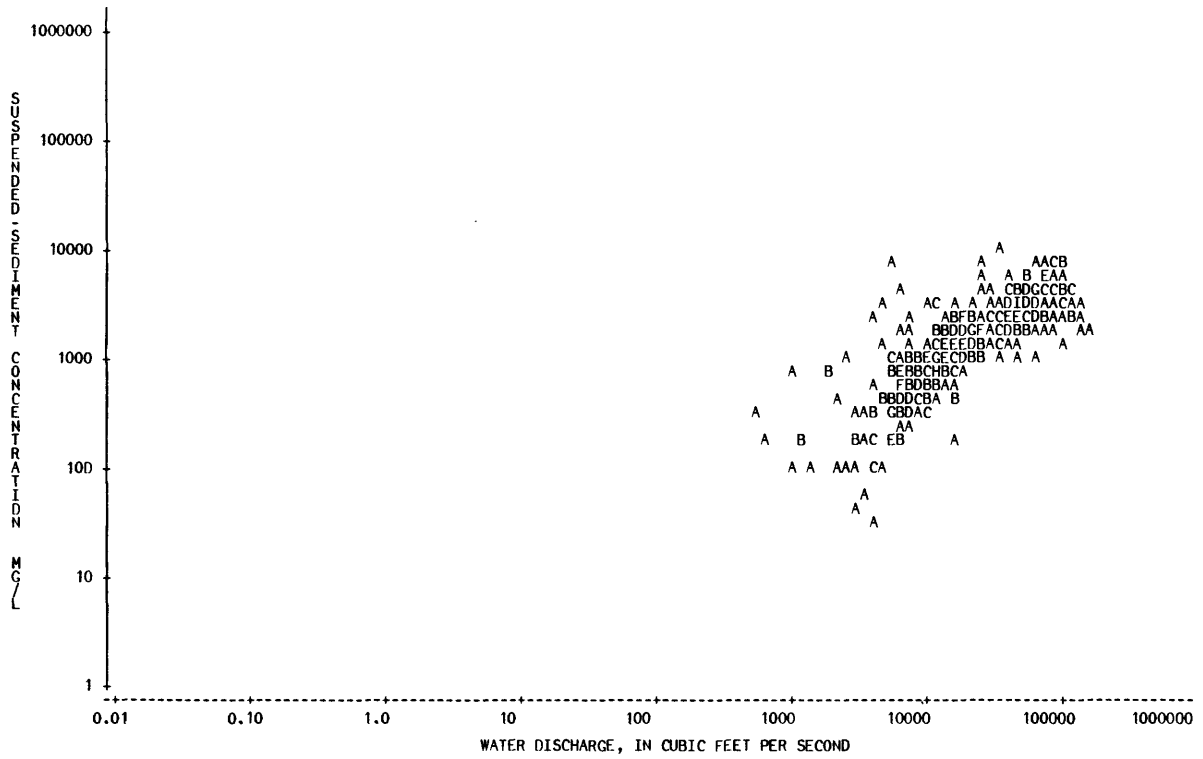
07337000 RED RIVER AT INDEX,ARK.--CONTINUED

763

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TNS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TNS/DAY)
59-03-06			733D	550	A 10900	80-09-04		0835	3400	64	588
59-03-12			12600	670	A 22800						
59-04-02			8640	970	A 22600						
59-04-24			13500	1000	A 36500						
59-05-18			12000	1090	A 35300						
59-07-22			16000	1090	A 47100						
59-07-30			44900	3540	A 429000						
59-08-06			6110	290	A 4780						
59-08-13			5940	190	A 3050						
59-10-08			36900	2710	A 270000						
59-10-14			47500	2870	A 368000						
59-10-23			11700	770	A 24300						
60-01-07			17200	1170	A 54300						
60-01-28			12600	540	A 18400						
60-02-08			27800	2320	A 174000						
60-03-04			15400	2030	A 84400						
60-03-17			12000	1210	A 39200						
60-03-30			17500	2120	A 100000						
60-04-04			7390	1380	A 27500						
60-04-12			5740	310	A 4800						
60-04-20			6730	740	A 13400						
60-05-13			13900	900	A 33800						
60-05-23			44000	3550	A 422000						
60-06-02			10800	830	A 24200						
60-08-02			7630	440	A 9060						
61-01-13			11300	2910	A 88800						
61-02-24			25700	5590	A 388000						
61-03-21			7890	2640	A 56200						
61-07-27			15200	1620	A 66500						
61-09-19			13200	1170	A 41700						
61-10-11			5340	310	A 4470						
61-10-19			11300	1060	A 32300						
61-11-07			6720	510	A 9250						
61-11-25			48800	1150	A 152000						
61-11-30			25800	1960	A 137000						
61-12-07			11500	480	A 14900						
62-02-01			15600	480	A 20200						
62-02-08			6470	680	A 11900						
62-03-02			14400	2110	A 82000						
62-04-04			23300	1440	A 90600						
62-04-19			8450	400	A 9130						
62-05-09			6660	280	A 5030						
62-06-08			11000	800	A 23800						
62-06-13			39300	4200	A 446000						
62-07-03			15800	790	A 33700						
62-07-10			7810	300	A 6330						
62-09-05			6110	270	A 4450						
62-09-14			10800	1080	A 31500						
62-09-20			5590	840	A 12700						
62-10-04			14200	1460	A 56000						
62-10-10			7140	340	A 6550						
64-03-13			21200	1660	A 95000						
64-03-26			6530	780	A 13800						
64-04-10			18400	940	A 46700						
64-05-01			12200	670	A 22100						
64-10-02			30200	2990	A 244000						
64-12-17			5980	200	A 3230						
65-02-15			19500	1080	A 56900						
65-09-30			5470	1150	A 17000						
66-04-29			79700	1640	A 353000						
66-05-03			110000	2240	A 665000						
66-05-10			16900	1100	A 50200						
67-05-03			14400	1410	A 54800						
67-05-11			27800	1640	A 123000						
67-10-10			4310	320	A 3720						
67-11-08			8020	630	A 13600						
68-01-31			34200	8820	A 814000						
68-03-05			5500	160	A 2380						
68-03-20			16600	790	A 35400						
68-03-27			43300	3130	A 366000						
68-04-24			51900	5500	A 771000						
68-05-15			47000	2880	A 365000						
68-05-21			11600	3080	A 96500						
68-05-28			62300	2290	A 385000						
68-06-05			25200	2060	A 140000						
68-06-20			15400	450	A 18700						
68-10-21			7130	260	A 5010						
68-11-04			5180	170	A 2380						
68-11-05			20000	810	A 43700						
68-11-20			16000	660	A 28500						
69-02-02			82100	2930	A 649000						
69-02-26			62500	1990	A 336000						
69-03-17			15800	560	A 23900						
69-03-28			45900	2910	A 361000						
80-04-17		1400	8000	330	7130						
80-04-28		1300	2980	39	314						
80-06-03		1000	21200	1020	58400						
80-06-24		1030	16200	194	8490						
80-07-22		0830	3960	31	331						

\*\*\*\*\*  
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07337000 RED RIVER AT INDEX, ARK.





## RED RIVER BASIN

07337500 LITTLE RIVER NEAR WRIGHT CITY, OKLA.

LOCATION.--Lat 34°04'10", long 95°02'47", in NE 1/4 NW 1/4 sec.6, T.6 S., R.22 E., McCurtain County, Hydrologic Unit 11140107, on left bank on downstream side of bridge on State Highway 98, 1.8 mi (2.9 km) upstream from White Oak Creek, 2.0 mi (3.2 km) west of Wright City, 4.7 mi (97.6 km) downstream from Pine Creek Lake, and at mile 140.6 (226.2 km).

DRAINAGE AREA.--645 mi<sup>2</sup> (1,671 km<sup>2</sup>).

PERIOD OF RECORD.--Water year 1945-46, 1948-49, 1962-73.

REMARKS.--Except for 10 mi<sup>2</sup> (25.9 km<sup>2</sup>) intervening area, flow completely regulated since June 1969 by Pine Creek Lake.

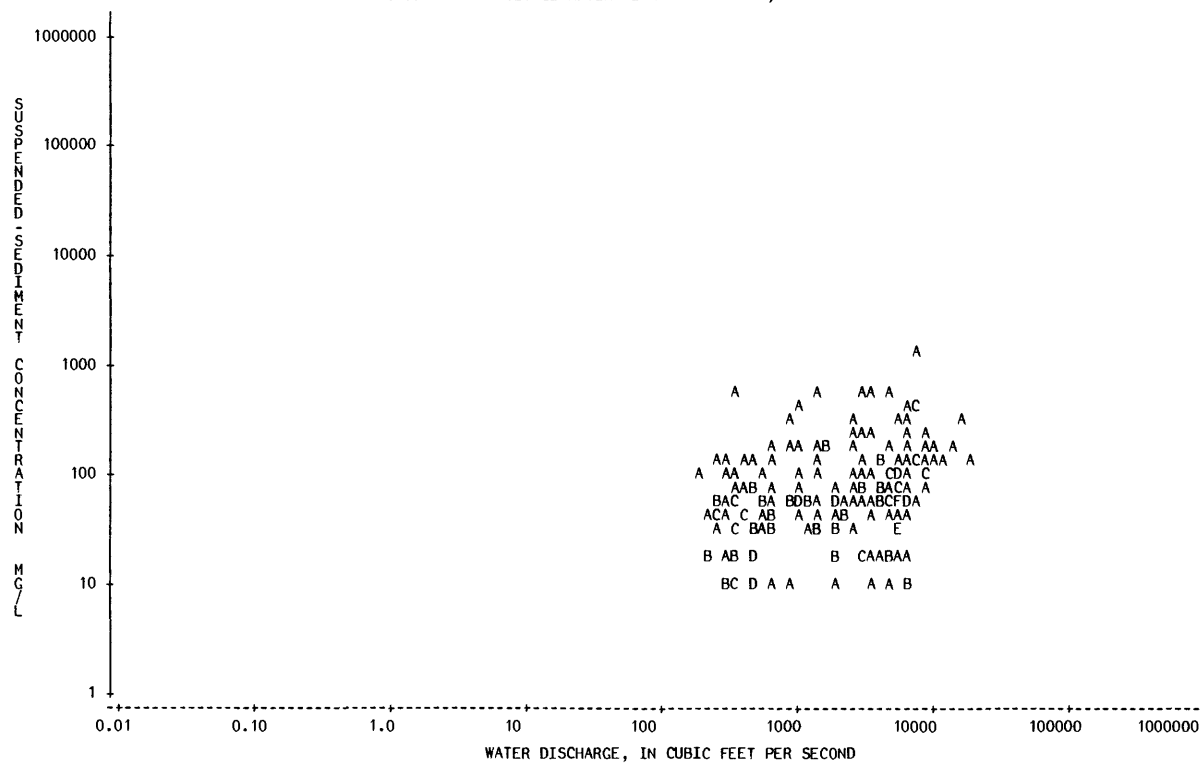
DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
45-03-04			5040	100	A 1360	65-02-11			3860	130	A 1350
45-03-15			2870	100	A 775	65-02-12			2370	60	A 384
45-06-19			3620	100	A 977	65-02-13			1630	190	A 836
45-07-05			4800	500	A 6480	65-02-24			6480	120	A 2100
45-09-27			8750	200	A 4730	65-03-05			938	180	A 456
46-02-06			6470	400	A 6990	65-03-30			7100	390	A 7480
47-12-08			8180	100	A 2210	65-04-09			982	50	A 133
49-02-17			2660	100	A 718	65-04-15			407	40	A 44
61-10-08			321	50	A 43	65-05-11			6860	60	A 1110
61-11-28			852	60	A 138	65-05-20			1900	30	A 154
62-01-15			3200	10	A 86	65-06-01			305	40	A 33
62-01-16			2100	40	A 227	65-06-17			262	40	A 28
62-02-07			370	70	A 70	65-06-23			917	280	A 693
62-02-13			250	40	A 27	65-09-22			13400	190	A 6870
62-02-27			2000	40	A 216	65-11-09			212	20	A 11
62-03-27			1850	60	A 300	66-01-04			993	50	A 134
62-04-12			445	70	A 84	66-02-03			322	10	A 8.7
62-04-24			11400	120	A 3690	66-02-10			16900	330	A 15100
62-05-08			287	130	A 101	66-02-11			4500	100	A 1220
62-10-02			1270	150	A 514	66-02-17			676	10	A 18
62-10-15			3060	120	A 991	66-03-01			351	10	A 9.5
62-10-30			3390	550	A 5030	66-03-09			482	10	A 13
62-11-14			255	30	A 21	66-03-15			349	90	A 85
62-12-11			341	20	A 18	66-04-25			7530	1180	A 24000
63-01-02			338	10	A 9.1	66-04-26			9190	90	A 2230
63-01-15			335	30	A 27	66-04-27			6230	60	A 1010
63-03-20			6440	210	A 3650	66-04-28			8580	80	A 1850
63-04-02			246	40	A 27	66-04-29			4700	20	A 254
63-04-29			6480	200	A 3500	66-04-30			7360	400	A 7950
63-07-31			628	200	A 339	66-05-01			9250	100	A 2500
64-03-05			585	60	A 95	66-05-02			4470	110	A 1330
64-03-10			5600	150	A 2270	66-05-03			2730	650	A 4790
64-03-23			470	70	A 89	66-05-10			364	30	A 29
64-04-01			230	20	A 12	66-05-17			1040	390	A 1100
64-04-09			976	40	A 105	66-05-24			302	10	A 8.2
64-04-16			415	40	A 45	66-08-15			1470	620	A 2460
64-04-22			341	30	A 28	66-08-26			235	120	A 76
64-04-23			2750	80	A 594	66-09-13			199	110	A 59
64-04-25			8500	130	A 2980	66-12-28			363	590	A 578
64-04-26			5190	110	A 1540	67-03-06			840	180	A 408
64-04-27			5220	50	A 705	67-03-14			245	50	A 33
64-04-28			2650	200	A 1430	67-03-28			814	60	A 132
64-04-29			1690	190	A 867	67-04-12			2340	30	A 190
64-05-04			626	150	A 254	67-04-14			10000	170	A 4590
64-05-12			1950	80	A 421	67-04-15			3350	210	A 1900
64-09-30			1470	50	A 198	67-04-25			1460	160	A 631
64-11-22			1430	90	A 347	67-05-02			583	40	A 63
64-12-09			312	20	A 17	67-05-08			3030	260	A 2130
64-12-17			500	20	A 27	67-05-09			1730	50	A 234
65-01-15			630	40	A 68	67-05-17			282	90	A 69
65-01-22			534	100	A 144	67-05-22			2680	330	A 2390
65-02-09			18700	130	A 6560	67-05-31			7570	460	A 9400
65-02-10			9450	140	A 3570	67-06-01			5950	280	A 4500

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DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
67-06-02			2590	210	A	1470	72-11-07		5860	20	A	316
67-06-08			326	70	A	62	72-11-13		6390	10	A	173
67-06-28			454	130	A	159	73-01-18		483	10	A	13
67-09-12			337	60	A	55	73-02-06		1950	10	A	53
67-09-19			941	80	A	203	73-02-15		3020	20	A	163
67-10-31			3930	50	A	531	73-02-21		449	20	A	24
67-11-01			3790	80	A	819	73-03-19		625	30	A	51
67-11-02			2290	40	A	247	73-03-30		6110	20	A	330
67-11-08			335	20	A	18	73-04-04		6160	10	A	166
67-11-15			464	10	A	13	73-04-09		1880	20	A	102
67-12-15			3970	80	A	858	73-05-17		6240	40	A	674
67-12-19			3300	20	A	178	73-06-22		5860	30	A	475
68-01-02			446	10	A	12						
68-01-16			468	20	A	25						
68-01-29			4890	90	A	1190						
68-01-31			5590	310	A	4680						
68-02-01			5480	110	A	1630						
68-02-02			5220	60	A	846						
68-02-03			5360	50	A	724						
68-02-04			5250	30	A	425						
68-02-06			5010	50	A	676						
68-02-09			3500	50	A	473						
68-02-23			401	140	A	152						
68-02-29			640	60	A	104						
68-03-22			6460	50	A	872						
68-03-23			5810	90	A	1410						
68-03-25			5500	80	A	1190						
68-04-02			5390	50	A	728						
68-04-04			5530	40	A	597						
68-04-16			569	30	A	46						
68-04-24			4880	80	A	1050						
68-04-30			2460	80	A	531						
68-05-09			4370	180	A	2120						
68-05-14			6950	120	A	2250						
68-05-15			6850	140	A	2590						
68-05-17			8060	270	A	5880						
68-05-18			7040	120	A	2280						
68-05-19			6580	60	A	1070						
68-05-20			6580	50	A	888						
68-05-27			5950	70	A	1120						
68-06-03			2060	60	A	334						
68-06-26			4030	150	A	1630						
68-09-10			1050	90	A	255						
68-12-02			4920	40	A	531						
69-01-07			549	50	A	74						
69-01-22			966	50	A	130						
69-01-30			5930	90	A	1440						
69-02-01			5310	60	A	860						
69-02-02			5370	70	A	1010						
69-02-05			4790	60	A	776						
69-02-19			1170	30	A	95						
69-02-27			4760	10	A	129						
69-03-12			816	10	A	22						
69-03-19			601	40	A	65						
69-03-24			5140	80	A	1110						
69-04-01			1000	60	A	162						
69-04-08			396	40	A	43						
69-04-14			637	30	A	52						
69-04-23			304	10	A	8.2						
69-05-01			1900	20	A	103						
69-05-09			5060	30	A	410						
69-05-12			4720	20	A	255						
69-05-21			3970	20	A	214						
69-05-27			1320	30	A	107						
70-01-20			229	40	A	25						
70-02-12			439	20	A	24						
70-03-06			2740	70	A	518						
70-03-11			5540	30	A	449						
70-03-27			5700	30	A	462						
70-04-22			3170	20	A	171						
70-04-30			2960	20	A	160						
70-05-11			4710	50	A	636						
70-09-15			244	60	A	40						
70-10-02			1890	50	A	255						
70-10-05			316	50	A	43						
70-10-15			2860	50	A	386						
70-11-04			3970	60	A	643						
71-02-16			1110	60	A	180						
71-02-23			1810	50	A	244						
71-03-10			472	30	A	38						
71-03-18			1770	30	A	143						
71-04-26			3350	40	A	362						
71-05-13			1170	50	A	158						
71-05-19			339	50	A	46						
71-08-13			654	80	A	141						
72-01-11			5640	60	A	914						
72-02-09			459	30	A	37						
72-04-24			1420	40	A	153						
72-05-08			1400	30	A	113						

\*\*\*\*\*  
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\* = MEAN DAILY DISCHARGE  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07337500 LITTLE RIVER NEAR WRIGHT CITY, OKLA.



## RED RIVER BASIN

07337900 GLOVER CREEK NEAR GLOVER, OKLA.

LOCATION.--Lat 34°05'51", long 94°54'07", in NW 1/4 NE 1/4 sec.28, T.5 S., R.23 E., McCurtain County, Hydrologic Unit 11140107, near right bank on downstream side of pier of bridge on State Highways 3 and 7, 2.0 mi (3.2 km) north of Glover, 11.0 mi (17.7 km) northwest of Broken Bow, and at mile 9.2 (14.8 km).

DRAINAGE AREA.--315 mi<sup>2</sup> (816 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1961-75, 1977-78.

REMARKS.--

DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	# TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
61-09-20		71	10	A 1.9	66-03-08		244	10	A 6.6
61-11-22		14000	250	A 9450	66-04-25		2720	90	A 661
61-11-29		356	70	A 67	66-04-30		4040	80	A 873
61-12-12		2010	40	A 217	66-05-17		343	10	A 9.3
62-01-16		1280	50	A 173	67-03-06		1310	70	A 248
62-02-27		1100	20	A 59	67-03-28		477	30	A 39
62-03-26		1270	50	A 171	67-04-11		2360	60	A 382
62-04-23		2620	20	A 141	67-04-14		4000	70	A 756
62-10-14		346	40	A 37	67-04-25		589	30	A 48
62-10-30		1460	60	A 237	67-05-02		273	10	A 7.4
62-10-31		853	30	A 69	67-05-22		1940	70	A 367
63-02-11		216	20	A 12	67-05-31		9330	680	A 17100
63-03-05		830	70	A 157	67-10-30		16750	280	A 12700
63-03-06		506	60	A 82	67-12-14		2480	90	A 603
63-03-19		2450	60	A 397	68-01-16		316	60	A 51
63-03-20		1580	80	A 341	68-01-29		10600	170	A 4870
63-04-29		3380	160	A 1460	68-04-02		12100	160	A 5230
63-04-30		1520	50	A 205	68-04-11		357	120	A 116
63-05-01		987	40	A 107	68-04-24		1680	40	A 181
63-07-30		2220	180	A 1080	68-04-30		1610	40	A 174
64-02-04		587	230	A 365	68-05-01		1640	40	A 177
64-03-02		3210	350	A 3030	68-05-08		11200	160	A 4840
64-03-02	0002	221	60	A 36	68-05-13		27400	140	A 10400
64-03-03		871	220	A 517	68-05-29		1470	70	A 278
64-03-09		11600	140	A 4380	68-12-02		1460	30	A 118
64-03-24		212	100	A 57	68-12-31		993	30	A 80
64-04-08		563	90	A 137	69-01-07		233	40	A 25
64-04-15		227	70	A 43	69-01-24		370	30	A 30
64-04-23		1820	80	A 393	69-01-30		17600	90	A 4280
64-04-24		6080	210	A 3450	69-02-27		700	40	A 76
64-04-26		3140	240	A 2030	69-03-12		327	30	A 26
64-05-05		206	10	A 5.6	69-03-19		294	20	A 16
64-05-13		415	40	A 45	69-03-24		4100	40	A 443
64-08-28		4730	390	A 4980	69-04-01		366	20	A 20
64-08-29		2460	340	A 2260	69-05-22		347	10	A 9.4
64-09-28		3060	90	A 744	69-06-06		215	10	A 5.8
64-11-19		12200	120	A 3950	69-06-24		4600	90	A 1120
64-12-17		282	30	A 23	69-11-20		242	40	A 26
65-01-12		802	60	A 130	69-12-29		6380	90	A 1550
65-02-10		6280	150	A 2540	70-02-12		323	60	A 52
65-02-24		7560	180	A 3670	70-03-02		1570	20	A 85
65-03-05		647	120	A 210	70-04-27		2810	60	A 455
65-03-31		1040	90	A 253	70-10-07		1340	120	A 434
65-04-09		455	60	A 74	70-10-27		22800	230	A 14200
65-05-06		1920	90	A 467	71-03-01		370	10	A 10
65-05-11		5860	90	A 1420	71-04-28		405	50	A 55
65-05-20		510	20	A 28	71-08-24		438	100	A 118
65-05-27		2300	70	A 435	71-10-21		2260	60	A 366
65-06-24		539	70	A 102	71-12-03		335	10	A 9.0
65-09-22		13300	350	A 12600	72-01-14		232	40	A 25
66-02-09		13000	180	A 6320	72-04-06		73	80	A 16
66-02-17		334	40	A 36	72-04-07		68	30	A 5.5
66-03-02		208	10	A 5.6	72-04-21		3860	180	A 1880

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

## RED RIVER BASIN

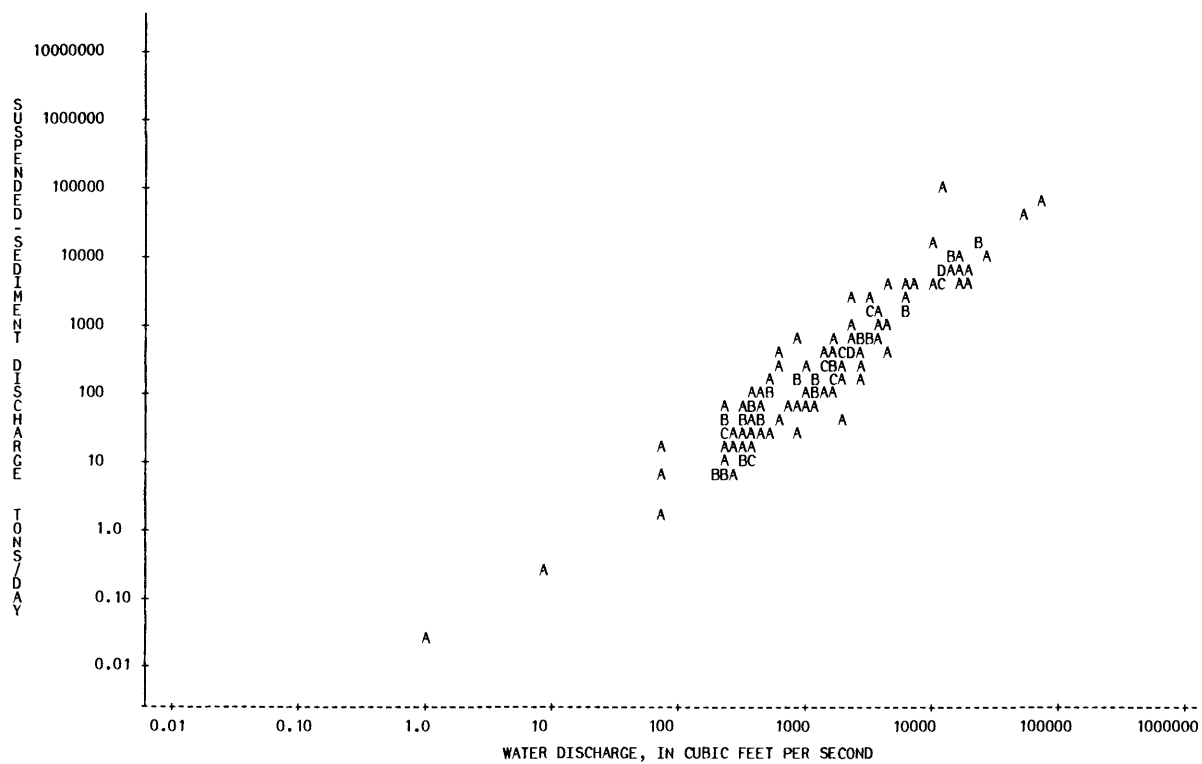
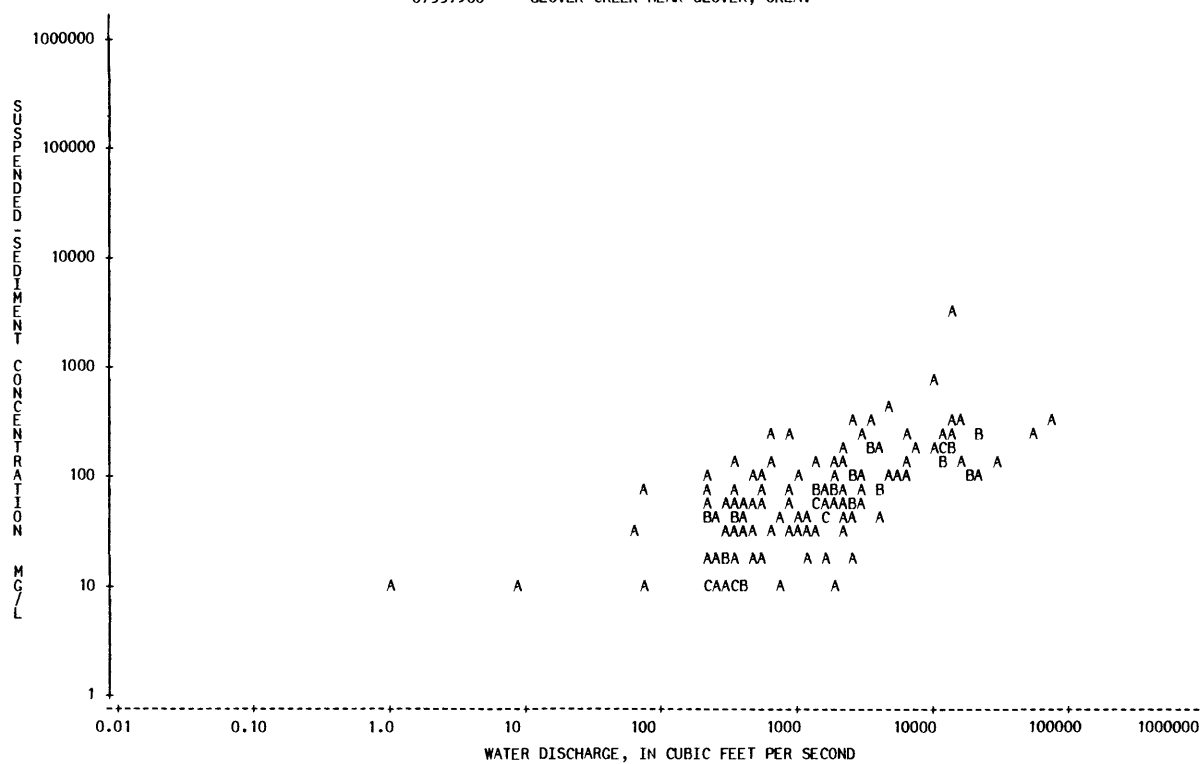
07337900 GLOVER CREEK NEAR GLOVER, OKLA.--CONTINUED

769

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
72-10-31			73900	310	A 61900						
72-12-13			1820	10	A 49						
73-01-18			246	20	A 13						
73-02-02			2010	30	A 163						
73-03-02			12700	3330	A 114000						
73-03-06			2600	40	A 281						
73-04-06			11500	200	A 6210						
73-05-07			12700	160	A 5490						
73-06-05			16500	130	A 5790						
73-12-10			374	10	A 10						
74-01-24			455	20	A 25						
74-01-28			792	10	A 21						
74-03-11			51200	250	A 34600						
74-04-17			290	20	A 16						
74-04-22			23300	260	A 16400						
74-09-03			2110	130	A 741						
74-09-11			19900	90	A 4840						
74-09-13			2970	80	A 642						
74-09-23			1100	40	A 119						
74-09-25			20400	110	A 6060						
75-03-25			12500	220	A 7430						
76-12-07			1770	120	A 573						
78-02-13	1135		3280	180	A 1590						
78-04-11	1245		1090	30	A 88						
78-05-03	1410		1770	60	A 287						
78-06-28	1240	8.0		10	A 0.22						
78-07-20	1050	1.0		10	A 0.03						

\*\*\*\*\*  
# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
\* = MEAN DAILY DISCHARGE  
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B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07337900 GLOVER CREEK NEAR GLOVER, OKLA.



## RED RIVER BASIN

07338500 LITTLE RIVER BELOW LUKFATA CREEK NEAR IDABEL, OKLA.

LOCATION.--Lat 33°56'28", long 94°45'30", in SE 1/4 SE 1/4 sec. 14, T.7 S., R.24 E., McCurtain County, Hydrologic Unit 11140107, on left bank at downstream side of bridge on U.S. Highway 70 just downstream from Lukfata Creek, 5.0 mi (8.0 km) northeast of Idabel, and at mile 103.4 (166.4 km).

DRAINAGE AREA.--1,226 mi<sup>2</sup> (3,175 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1931, 1938-40, 1944-50, 1962-75, 1977-78.

REMARKS.--Flow regulated since June 1969 by Pine Creek Lake 41.9 mi (67.4 m) upstream.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
30-11-07			75	100	A 20	46-01-31			1020	200	A 551
30-11-11			77	200	A 42	46-02-04			675	300	A 547
30-11-14			77	200	A 42	46-02-07			10100	200	A 5450
30-11-18			90	200	A 49	46-02-15			19700	300	A 16000
30-11-20			138	200	A 75	46-02-16			12200	200	A 6590
30-11-24			360	100	A 97	46-02-17			7940	200	A 4290
30-11-27			245	100	A 66	46-02-21			6170	100	A 1670
30-12-01			5860	100	A 1580	46-02-28			1340	200	A 724
30-12-04			1510	100	A 408	46-03-06			2110	200	A 1140
30-12-08			3340	100	A 902	46-03-08			1540	200	A 832
30-12-12			800	100	A 216	46-03-12			736	300	A 596
30-12-15			500	100	A 135	46-03-17			2530	300	A 2050
30-12-19			340	100	A 92	46-03-20			6590	200	A 3560
30-12-22			265	100	A 72	46-03-22			761	200	A 411
30-12-26			230	10	A 6.2	46-03-26			6910	200	A 3730
30-12-30			188	100	A 51	46-04-01			2610	200	A 1410
31-01-01			170	10	A 4.6	46-04-11			1320	300	A 1070
31-01-06			160	100	A 43	46-04-22			1740	10	A 47
31-01-08			152	10	A 4.1	46-04-25			19900	200	A 10700
31-01-12			145	100	A 39	46-04-26			17300	100	A 4670
31-01-15			138	10	A 3.7	46-04-27			12100	100	A 3270
38-06-29			184	200	A 99	46-04-28			6610	100	A 1780
38-07-26			58	10	A 1.6	46-05-02			4320	10	A 117
38-12-05			781	10	A 21	46-05-08			1410	100	A 381
38-12-12			173	100	A 47	46-05-16			10300	200	A 5560
39-02-07			1590	100	A 429	46-05-17			12100	10	A 327
39-02-15			1860	100	A 502	46-05-20			7010	10	A 189
39-04-18			29000	100	A 7830	46-05-27			19400	10	A 524
39-04-19			19400	100	A 5240	46-06-04			3120	10	A 84
39-05-21			8200	10	A 221	46-11-06			10600	300	A 8590
39-06-08			1810	300	A 1470	46-11-08			18600	200	A 10000
39-08-10			72	300	A 58	46-11-09			14900	100	A 4020
40-05-27			7150	10	A 193	46-11-19			3800	300	A 3080
44-05-01			9270	10	A 250	46-12-02			1240	300	A 1000
45-02-24			10500	200	A 5670	47-04-12			6700	300	A 5430
45-03-01			26400	100	A 7130	47-04-15			3380	300	A 2740
45-03-14			4590	300	A 3720	47-04-28			1730	300	A 1400
45-03-20			36600	100	A 9880	47-04-29			11000	400	A 11900
45-03-28			5880	10	A 159	47-05-01			21400	200	A 11600
45-04-25			3900	10	A 105	47-05-05			2730	200	A 1470
45-05-17			23800	200	A 12900	47-05-14			17500	200	A 9450
45-06-14			24900	300	A 20200	47-05-15			23300	100	A 6290
45-07-06			5370	100	A 1450	47-05-18			14000	10	A 378
45-07-31			157	10	A 4.2	47-05-23			3610	100	A 975
45-08-23			740	100	A 200	47-12-08			9060	200	A 4890
45-09-27			4200	200	A 2270	47-12-11			6570	10	A 177
45-10-01			9830	10	A 265	48-01-03			20900	100	A 5640
45-10-10			1400	100	A 378	48-01-05			8090	10	A 218
45-10-18			322	10	A 8.7	48-02-09			4880	100	A 1320
46-01-04			586	300	A 475	48-02-19			1710	100	A 462
46-01-10			15500	300	A 12600	48-02-24			1380	200	A 745
46-01-12			10200	400	A 11000	48-02-28			12000	100	A 3240
46-01-23			1760	300	A 1430	48-03-01			8680	10	A 234

\*\*\*\*\*  
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 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE

07338500 LITTLE RIVER BELOW LUKFATA CREEK NEAR IDABEL, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
48-03-10			3240	10	A 87	64-12-09			604	30	A 49
48-03-15			1290	100	A 348	64-12-16			1100	110	A 327
48-03-24			2690	200	A 1450	64-12-22			512	20	A 28
48-03-29			1030	100	A 278	65-01-15			1300	40	A 140
48-04-14			6580	200	A 3550	65-01-22			551	90	A 134
48-04-19			1060	100	A 286	65-02-11			25900	70	A 4900
48-04-28			1260	100	A 340	65-02-13			12100	70	A 2290
48-05-13			24100	10	A 651	65-02-15			4420	70	A 835
48-05-14			17300	10	A 467	65-02-23			712	20	A 38
48-05-17			6550	10	A 177	65-03-05			1990	120	A 645
49-01-25			57000	200	A 30800	65-03-10			927	30	A 75
49-01-26			52100	100	A 14100	65-04-01			5900	60	A 956
49-01-27			45700	100	A 12300	65-04-09			1830	60	A 296
49-01-28			27400	10	A 740	65-05-13			10600	100	A 2860
49-01-29			22000	10	A 594	65-05-14			6300	70	A 1190
49-02-02			3440	10	A 93	65-05-20			2240	60	A 363
49-02-16			11300	10	A 305	65-06-02			621	40	A 67
49-02-17			9910	10	A 268	65-09-23			9320	170	A 4280
49-02-25			8880	100	A 2400	65-09-24			9840	200	A 5310
49-02-28			12500	10	A 338	66-01-07			730	20	A 39
49-03-01			10800	100	A 2920	66-02-03			577	30	A 47
49-03-03			30200	100	A 8150	66-02-12			15100	100	A 4080
49-05-05			9870	100	A 2660	66-02-18			1190	70	A 225
49-06-15			10000	100	A 2700	66-03-02			663	10	A 18
49-10-26			8540	100	A 2310	66-03-07			3060	180	A 1490
49-10-27			7740	100	A 2090	66-03-10			949	70	A 179
49-10-31			886	100	A 239	66-03-17			547	20	A 30
49-12-12			3260	200	A 1760	66-03-28			1860	130	A 653
49-12-19			3580	10	A 97	66-04-29			14700	20	A 794
50-01-14			30500	100	A 8240	66-04-30			13600	150	A 5510
50-01-15			26300	100	A 7100	66-05-03			15900	100	A 4290
50-01-25			1440	100	A 389	66-05-04			10100	80	A 2180
50-02-03			19000	200	A 10300	66-05-05			7050	210	A 4000
50-02-14			46400	100	A 12500	66-05-06			3450	120	A 1120
50-02-16			12400	100	A 3350	66-05-17			2010	200	A 1090
50-03-01			1200	100	A 324	66-05-25			558	100	A 151
50-03-17			1450	100	A 392	66-08-15			3970	30	A 322
50-05-02			21200	10	A 572	66-12-30			587	120	A 190
50-05-09			8150	10	A 220	67-04-12			6800	100	A 1840
50-05-15			7920	10	A 214	67-04-15			11600	150	A 4700
50-08-01			15700	10	A 424	67-04-16			10300	220	A 6120
50-09-17			66100	10	A 1780	67-04-17			7230	70	A 1370
61-10-08			637	60	A 103	67-04-18			3210	70	A 607
61-11-14			547	10	A 15	67-04-25			3740	40	A 404
61-12-13			7160	30	A 580	67-05-02			2190	80	A 473
62-01-17			4100	40	A 443	67-05-08			15000	70	A 2840
62-02-06			990	30	A 80	67-05-09			13000	420	A 14700
62-02-13			520	20	A 28	67-05-10			8600	60	A 1390
62-02-28			4740	80	A 1020	67-05-11			3570	60	A 578
62-03-27			4720	70	A 892	67-05-12			578	10	A 16
62-04-12			982	80	A 212	67-05-26			1180	110	A 350
62-04-24			6660	150	A 2700	67-06-02			9860	130	A 3460
62-05-08			736	140	A 278	67-06-08			692	80	A 149
62-10-02			2300	140	A 869	67-06-28			912	200	A 492
62-10-15			3850	150	A 1560	67-07-13			817	580	A 1280
62-10-31			5520	50	A 745	67-09-12			937	180	A 455
62-11-14			486	20	A 26	67-11-15			945	120	A 306
62-11-28			5740	200	A 3100	67-12-18			8440	50	A 1140
62-12-12			578	30	A 47	68-01-16			954	30	A 77
63-01-03			546	20	A 29	68-01-31			13400	140	A 5070
63-01-16			546	60	A 88	68-02-02			12400	80	A 2680
63-02-12			610	50	A 82	68-02-03			11300	40	A 1220
63-03-06			1500	40	A 162	68-02-04			10300	60	A 1670
63-03-20			7970	440	A 9470	68-02-06			7500	110	A 2230
63-03-21			8740	190	A 4480	68-02-08			5910	60	A 957
63-04-30			9340	130	A 3280	68-02-23			694	70	A 131
63-08-01			2210	180	A 1070	68-02-29			879	60	A 142
64-03-05			1500	70	A 284	68-03-07			716	20	A 39
64-03-10			10400	140	A 3930	68-03-23			15500	40	A 1670
64-03-11			12400	70	A 2340	68-03-25			10100	50	A 1360
64-03-23			969	50	A 131	68-03-26			8680	40	A 937
64-04-01			547	30	A 44	68-04-04			17700	40	A 1910
64-04-08			4280	70	A 809	68-04-11			5000	130	A 1760
64-04-16			810	100	A 219	68-04-24			10100	100	A 2730
64-04-22			3060	240	A 1980	68-04-30			5310	30	A 430
64-04-24			9510	440	A 11300	68-05-09			8700	70	A 1640
64-04-25			13100	250	A 8840	68-05-15			23000	40	A 2480
64-04-26			15500	50	A 2090	68-05-17			22600	40	A 2440
64-04-27			14000	50	A 1890	68-05-18			21900	70	A 4140
64-04-28			12800	110	A 3800	68-05-20			13900	30	A 1130
64-04-29			9710	120	A 3150	68-05-27			9330	30	A 756
64-04-30			5980	90	A 1450	68-06-03			4310	50	A 582
64-05-06			829	150	A 336	68-06-26			5380	230	A 3340
64-05-13			3010	130	A 1060	68-09-10			1100	60	A 178
64-08-31			2310	110	A 686	68-12-03			7390	10	A 200
64-09-29			9110	190	A 4670	68-12-31			6850	20	A 370
64-10-01			3350	70	A 633	69-01-07			1050	10	A 28
64-11-21			10600	100	A 2860	69-01-22			1980	10	A 53
64-11-23			3970	100	A 1070	69-01-31			21400	90	A 5200

\*\*\*\*\*  
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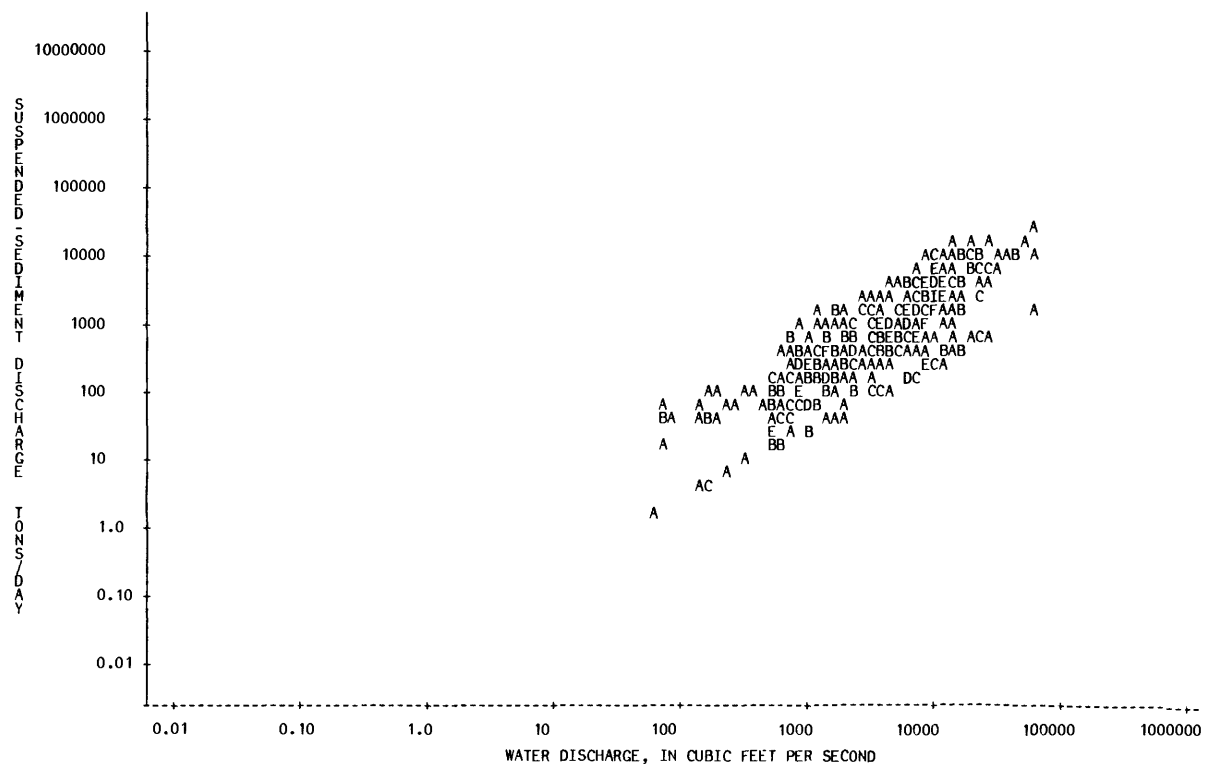
## RED RIVER BASIN

07338500 LITTLE RIVER BELOW LUKFATA CREEK NEAR IDABEL, OKLA.--CONTINUED

773

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
69-02-01			21300	40	A 2300	74-12-16			6960	40	A 752
69-02-03			10700	80	A 2310	75-01-13			890	30	A 72
69-02-05			8080	40	A 873	75-01-29			488	40	A 53
69-02-19			2410	20	A 130	75-02-05			5210	30	A 422
69-03-06			1560	20	A 84	75-02-18			1470	40	A 159
69-03-12			1490	40	A 161	75-03-03			2470	60	A 400
69-03-26			9790	60	A 1590	75-03-20			4720	20	A 255
69-04-01			2570	30	A 208	75-04-03			6500	40	A 702
69-04-08			814	40	A 88	75-04-14			1800	30	A 146
69-04-14			1760	30	A 143	75-04-30			1120	520	A 1570
69-04-24			529	10	A 14	75-05-13			3080	60	A 499
69-05-12			6940	30	A 562	75-06-05			1360	30	A 110
69-05-23			4080	40	A 441	75-06-17			3480	40	A 376
69-06-27			906	110	A 269	76-12-09			169	280	A 128
70-01-08			887	40	A 96	78-02-15	1140		2460	120	A 797
70-01-20			543	50	A 73						
70-02-12			856	30	A 69						
70-02-18			1900	40	A 205						
70-03-05			8330	40	A 900						
70-03-06			4690	60	A 760						
70-03-11			6120	50	A 826						
70-03-17			3330	90	A 809						
70-03-19			6130	40	A 662						
70-03-27			5660	30	A 458						
70-04-22			3170	40	A 342						
70-04-27			10200	70	A 1930						
70-04-30			3950	70	A 747						
70-05-07			5430	30	A 440						
70-09-23			801	40	A 87						
70-10-15			3620	100	A 977						
70-10-29			10400	70	A 1970						
70-11-04			4180	50	A 564						
71-01-22			415	70	A 78						
71-02-10			803	30	A 65						
71-02-23			3140	50	A 424						
71-03-01			2360	50	A 319						
71-03-10			749	30	A 61						
71-03-18			2390	60	A 387						
71-04-26			5240	50	A 707						
71-05-13			1630	60	A 264						
71-08-12			3470	110	A 1030						
71-12-11			59500	60	A 9640						
71-12-12			23900	80	A 5160						
71-12-14			7670	70	A 1450						
71-12-31			514	70	A 97						
72-04-24			2300	40	A 248						
72-05-02			2950	20	A 159						
72-05-08			1660	30	A 134						
72-11-04			8210	150	A 3330						
72-11-10			8280	20	A 447						
72-12-13			2660	50	A 359						
73-01-19			998	10	A 27						
73-01-24			3340	30	A 271						
73-02-02			6280	90	A 1530						
73-02-14			3800	10	A 103						
73-02-27			833	40	A 90						
73-03-05			7480	170	A 3430						
73-03-18			6360	30	A 515						
73-03-28			4460	50	A 602						
73-04-11			2200	40	A 238						
73-04-26			1000	30	A 81						
73-05-03			8660	70	A 1640						
73-05-11			7350	40	A 794						
73-05-17			7950	30	A 644						
73-06-05			10700	60	A 1730						
73-06-18			7600	40	A 821						
73-06-26			2180	20	A 118						
73-09-13			720	30	A 58						
73-11-05			4330	110	A 1290						
73-12-10			6620	10	A 179						
74-01-16			1450	10	A 39						
74-01-24			2130	20	A 115						
74-02-01			1790	10	A 48						
74-02-26			1190	20	A 64						
74-03-13			11400	100	A 3080						
74-03-25			1370	30	A 111						
74-04-09			895	40	A 97						
74-04-17			1270	20	A 69						
74-04-23			11400	130	A 4000						
74-05-06			5390	60	A 873						
74-06-11			3380	120	A 1100						
74-06-18			7240	80	A 1560						
74-09-09			932	100	A 252						
74-09-23			9040	40	A 976						
74-10-16			678	30	A 55						
74-11-12			12000	50	A 1620						
74-11-20			7160	40	A 773						
74-12-02			7940	40	A 858						

# = ADDITIONAL DAYS INCLUDED IN COMPOSITE SAMPLE  
 \* = MEAN DAILY DISCHARGE  
 A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS  
 B = ANALYZED BY USDA, AGRICULTURE RESEARCH SERVICE



## RED RIVER BASIN

07339000 MOUNTAIN FORK NEAR EAGLETOWN, OKLA.

LOCATION.--Lat 34°02'30", long 94°37'15", in SE 1/4 SE 1/4 sec.7,T.6 S., R.26 E., McCurtain County, Hydrologic Unit 11140108, near center of span on downstream side of pier of bridge on U.S. Highway 70, 2.0 mi (3.2 km) west of Eagletown, 10.7 mi (17.2 km) downstream from Broken Bow Dam, and at mile 8.9 (14.3 km).

DRAINAGE AREA.--787 mi<sup>2</sup> (2,040 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1938-40, 1944-45, 1947-48, 1962-70, 1973.

REMARKS.--Except for 33 mi<sup>2</sup> (85 km<sup>2</sup>) intervening area, flow completely regulated since October 1968 by Broken Bow Lake.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
38-06-29			157	300	A 127	64-04-25			13300	20	A 718
38-07-25			55	100	A 15	64-04-27			7490	20	A 404
39-08-18			51	100	A 14	64-05-06			582	20	A 31
40-05-22			4720	200	A 2550	64-08-29			12900	640	A 22300
44-02-09			12300	100	A 3320	64-09-21			349	40	A 38
45-02-28			15500	200	A 8370	64-09-29			5540	150	A 2240
45-06-14			5620	200	A 3030	64-10-02			1300	80	A 281
45-08-01			103	100	A 28	64-10-07			317	30	A 26
47-04-11			8580	100	A 2320	64-11-22			5750	100	A 1550
47-04-15			4530	100	A 1220	64-12-10			599	20	A 32
47-04-29			13000	100	A 3510	64-12-17			675	20	A 36
47-08-29			5650	300	A 4580	65-01-12			4850	60	A 786
47-12-07			26300	400	A 28400	65-01-18			661	100	A 178
47-12-08			13400	100	A 3620	65-02-12			9230	210	A 5230
48-02-27			12000	100	A 3240	65-03-08			1150	120	A 373
48-03-02			16300	100	A 4400	65-03-31			2350	120	A 761
48-03-12			24700	100	A 6670	65-04-15			614	90	A 149
61-10-18			282	40	A 30	65-05-11			7610	140	A 2880
61-11-29			1170	50	A 158	65-06-24			6930	250	A 4680
61-12-13			3730	20	A 201	65-09-23			4550	150	A 1840
62-01-16			4260	30	A 345	65-12-16			415	30	A 34
62-02-06			744	30	A 60	66-01-10			468	40	A 51
62-02-12			430	70	A 81	66-02-04			884	70	A 167
62-02-28			4830	40	A 522	66-02-08			450	40	A 49
62-03-26			4580	60	A 742	66-02-11			8870	210	A 5030
62-04-12			642	30	A 52	66-02-18			3600	40	A 389
62-04-23			2430	60	A 394	66-03-03			668	10	A 18
62-05-08			460	140	A 174	66-03-10			626	10	A 17
62-08-03			360	110	A 107	66-03-17			506	20	A 27
62-10-02			2340	160	A 1010	66-04-30			8460	60	A 1370
62-10-15			1920	110	A 570	66-05-06			6100	40	A 659
62-10-30			3390	60	A 549	66-05-25			368	10	A 9.9
62-11-14			499	20	A 27	66-08-16			3690	110	A 1100
62-11-27			1790	50	A 242	67-03-07			4050	190	A 2080
62-12-12			373	20	A 20	67-03-15			548	10	A 15
63-01-03			469	10	A 13	67-04-12			3980	90	A 967
63-01-16			401	40	A 43	67-04-15			6820	80	A 1470
63-02-12			340	20	A 18	67-04-20			3070	70	A 580
63-03-04			3430	70	A 648	67-04-26			2850	70	A 539
63-03-06			4380	50	A 591	67-05-10			6900	70	A 1300
63-04-03	0001		341	10	A 9.2	67-05-18			449	40	A 48
63-04-03	0002		5510	60	A 893	67-06-05			4260	60	A 690
64-02-06			1030	240	A 667	67-07-18			385	60	A 62
64-02-19			351	120	A 114	67-09-19			369	80	A 80
64-03-03			3530	250	A 2380	67-10-19			693	110	A 206
64-03-10			15900	30	A 1290	67-11-01			6940	200	A 3750
64-03-23			524	110	A 156	67-11-03			5460	210	A 3100
64-04-01			624	180	A 303	67-12-15			7770	180	A 3780
64-04-06			5690	240	A 3690	67-12-21			5940	80	A 1280
64-04-17			553	190	A 284	68-01-17			829	100	A 224
64-04-22			1170	50	A 158	68-02-01			8620	170	A 3960
64-04-23			8670	10	A 234	68-02-03			8910	140	A 3370
64-04-24			17600	50	A 2380	68-02-08			6380	150	A 2580

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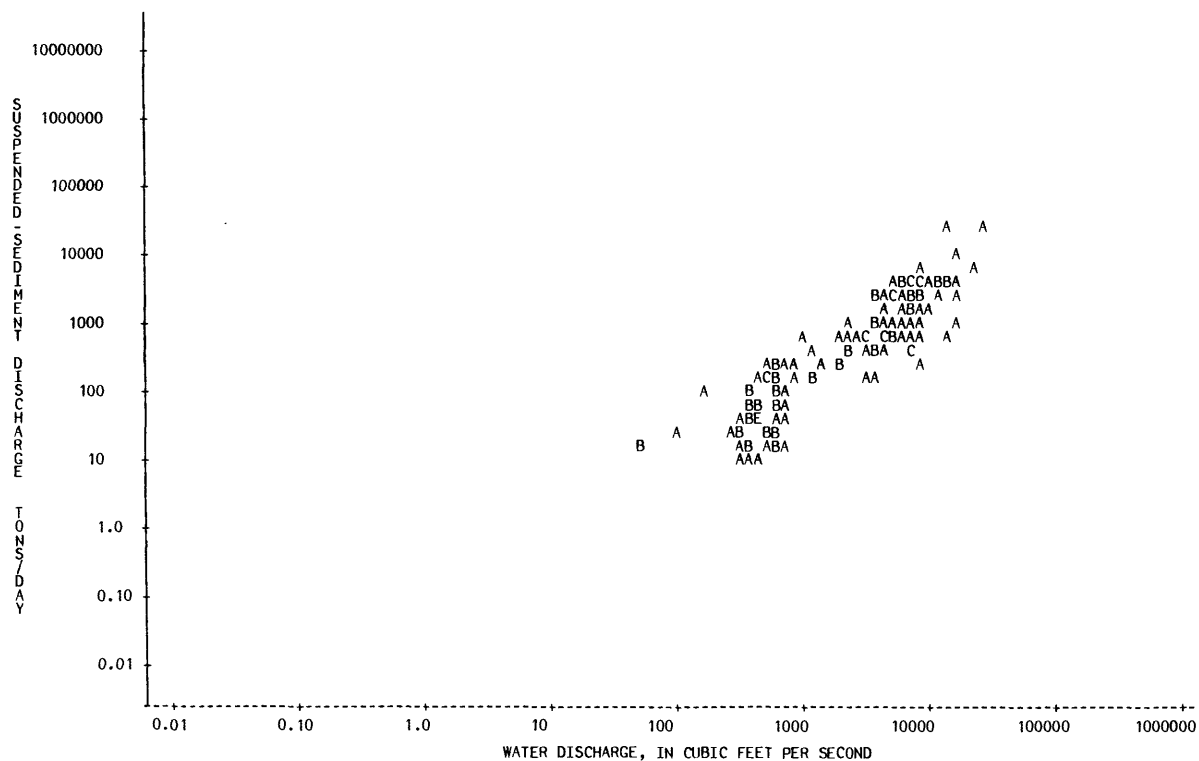
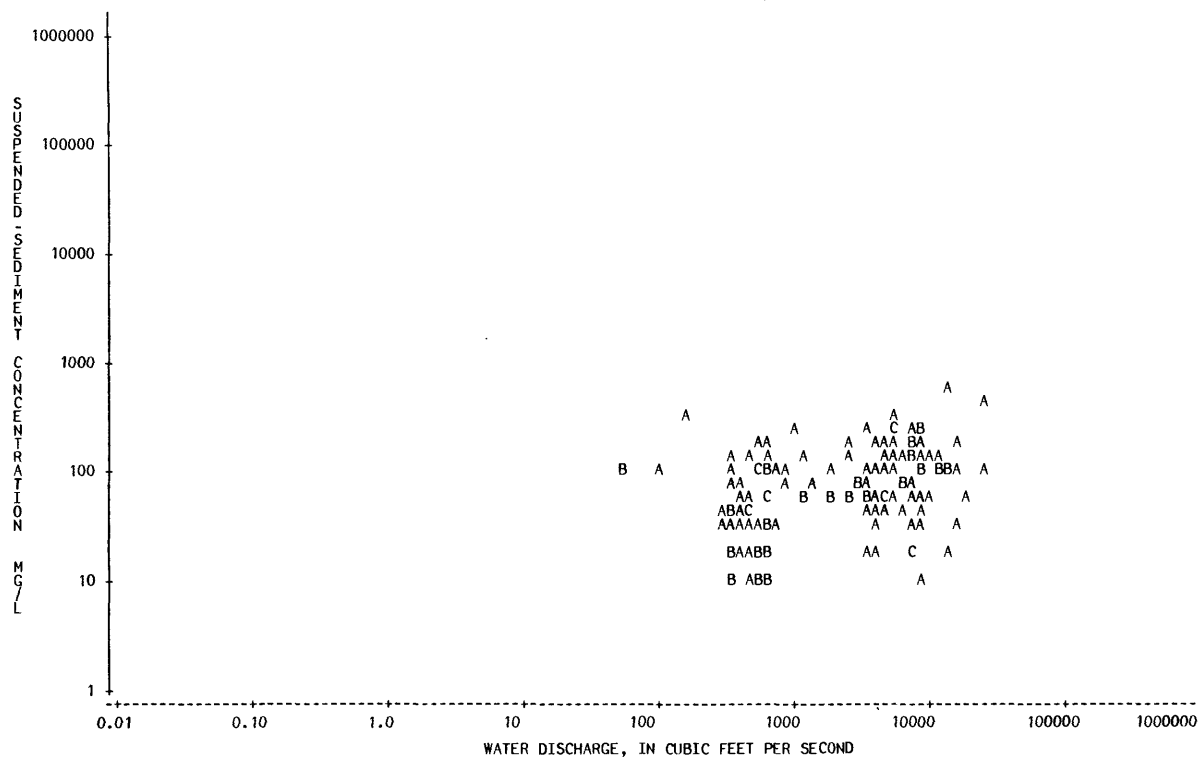
## RED RIVER BASIN

07339000 MOUNTAIN FORK NEAR EAGLETOWN, OKLA.--CONTINUED

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
68-02-23			507	110	A 151						
68-03-07			553	110	A 164						
68-03-24			8890	110	A 2640						
68-04-05			9940	130	A 3490						
68-04-12			7230	120	A 2340						
68-04-18			614	140	A 232						
68-05-08			5260	270	A 3830						
68-05-14			11400	140	A 4310						
68-05-15			10700	60	A 1730						
68-05-27			7430	20	A 401						
68-06-12			339	40	A 37						
69-01-30			2440	50	A 329						
69-03-06			582	10	A 16						
69-03-19			448	50	A 60						
69-04-08			632	50	A 85						
69-04-24			629	60	A 102						
69-05-23			666	50	A 90						
69-06-17			641	30	A 52						
69-08-26			441	30	A 36						
69-11-18			574	30	A 46						
70-01-29			322	30	A 26						
70-02-02			3330	50	A 450						
70-03-20			3330	20	A 180						
70-04-20			368	20	A 20						
70-08-20			1990	60	A 322						
73-03-08			3840	40	A 415						
73-03-19			7280	30	A 590						
73-04-09			7760	60	A 1260						
73-05-03			8230	40	A 889						
73-05-16			7220	20	A 390						
73-06-14			8000	30	A 648						

\*\*\*\*\*  
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07339000 MOUNTAIN FORK NEAR EAGLETOWN, OKLA.



## RED RIVER BASIN

07341500 RED RIVER AT FULTON, ARK.

LOCATION.--Lat 33°36'26", long 93°48'56", in NE 1/4 SE 1/4 sec.20,T.13 S., R.26 W., Hempstead-Miller County line, Hydrologic Unit 11140201, near left bank on downstream side of bridge on U.S. Highway 67 at Fulton, 0.2 mi (0.3 km) downstream from Missouri Pacific Railroad Co. bridge, 2.5 mi (4.0 km) downstream from Little River, and at mile 463.0 (745.0 km).

DRAINAGE AREA.--52,336 mi<sup>2</sup> (135,550 km<sup>2</sup>), of which 5,936 mi<sup>2</sup> (15,374 km<sup>2</sup>) is probably noncontributing.

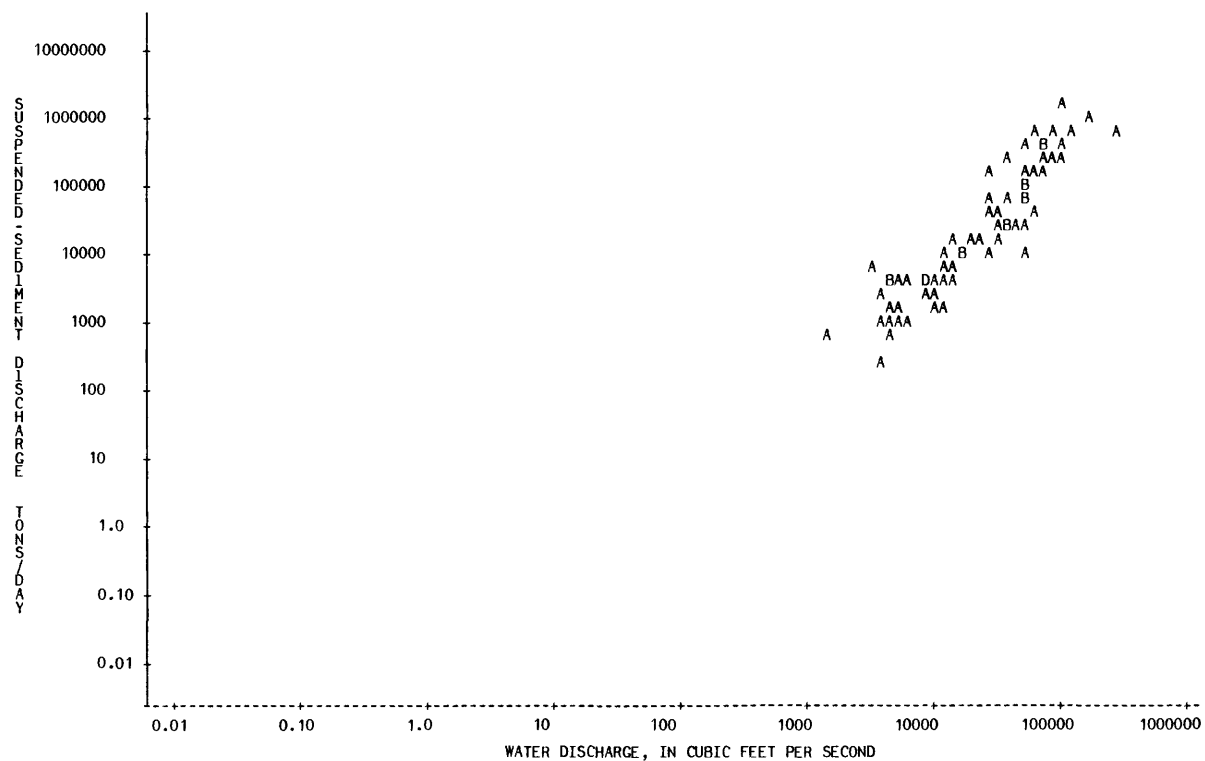
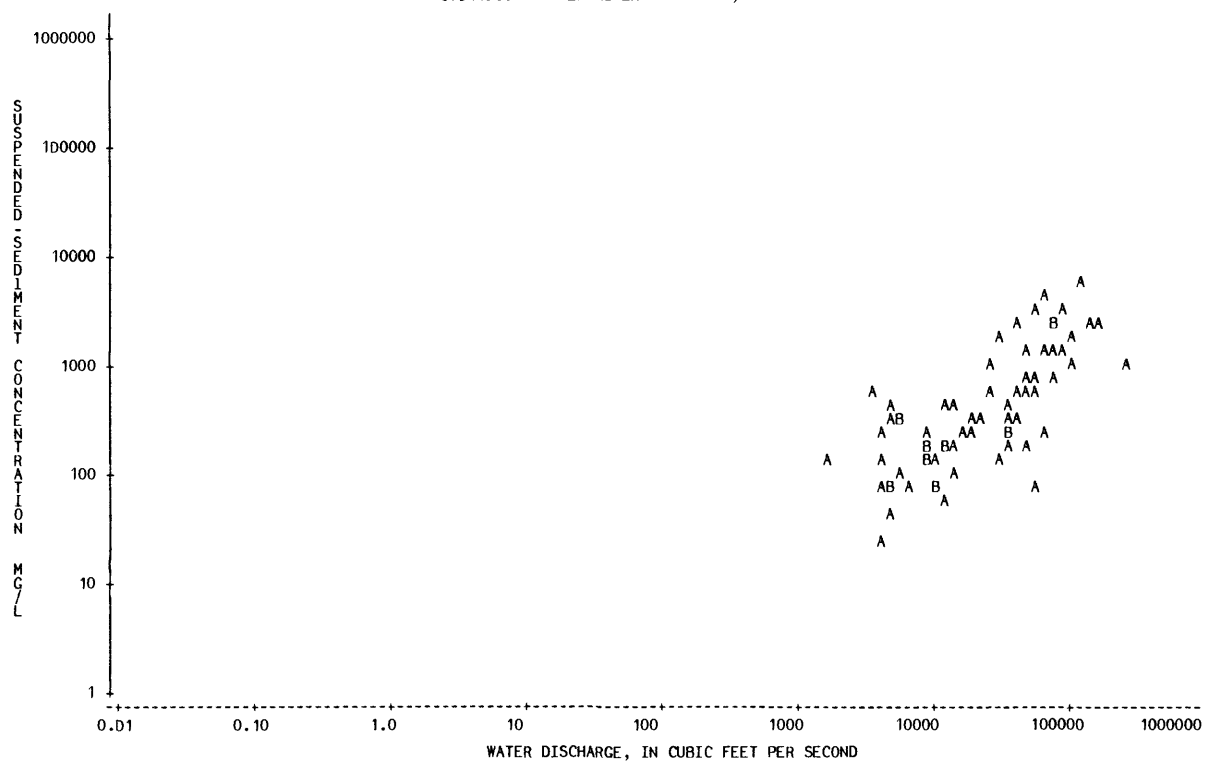
PERIOD OF RECORD.--Water years 1945-46, 1975, 1978-79.

REMARKS.--Suspended-sediment particle-size data available.

DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	DATE	#	TIME	WATER DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	
45-04-02			254700	1100	A 756000	78-04-27	12	15	9600	*	78	2020
45-04-24			65300	4200	A 741000	78-06-01	10	30	3700	*	271	2710
45-05-19			82800	3400	A 760000	78-06-30	12	15	14000	*	475	18000
45-05-21			86300	1300	A 303000	78-07-27	12	00	3400	*	627	5760
45-05-23			72100	1200	A 234000	78-10-26	13	00	1500	*	152	616
45-06-15			108800	5800	A 1700000	78-11-30	11	15	11000	*	375	11100
45-06-18			105400	1800	A 512000	78-12-19	13	00	4400	*	371	4410
45-06-21			159400	2700	A 1160000	79-01-18	11	20	9000	*	202	4910
45-06-23			128400	2300	A 797000	79-02-09	11	45	13000	*	190	6670
45-07-04			39000	2100	A 221000	79-03-22	12	00	17000	*	218	10000
45-07-13			68700	2200	A 408000	79-04-17	11	45	42000	*	284	32200
45-08-02			19400	300	A 15700	79-05-23	11	00	10000	*	149	4020
45-08-21			25100	1100	A 74500	79-06-19	10	30	50000	*	567	76500
45-10-12			78000	2300	A 484000	79-07-23	13	00	5400	*	96	1400
45-10-16			51200	2800	A 387000	79-08-13	11	30	4700	*	48	609
45-11-08			5800	300	A 4700	79-09-12	11	00	4000	*	25	270
75-01-28			8200	*	229	A 5070						
75-02-04			93400	*	989	A 249000						
75-02-11			70800	*	776	A 148000						
75-02-18			36900	*	265	A 26400						
75-02-25			21700	*	321	A 18800						
75-03-04			38400	*	507	A 52600						
75-03-18			51200	*	500	A 69100						
75-03-25			31800	*	182	A 15600						
75-04-01			64600	*	226	A 39400						
75-04-08			53800	*	78	A 11300						
75-04-15			35000	*	239	A 22600						
75-04-22			17800	*	231	A 11100						
75-04-29			4200	*	132	A 1500						
75-05-06			50200	*	172	A 23300						
75-05-13			34200	*	304	A 28100						
75-05-20			26700	*	610	A 44000						
75-05-27			11700	*	54	A 1710						
75-06-03			53900	*	719	A 105000						
75-06-10			49700	*	1450	A 195000						
75-06-17			58900	*	1200	A 191000						
75-06-24			28900	*	129	A 10100						
75-07-01			34100	*	432	A 39800						
75-07-08			13200	*	105	A 3740						
75-07-15			4700	*	280	A 3550						
75-07-22			5900	*	70	A 1120						
75-07-29			10300	*	83	A 2310						
75-08-05			28200	*	1750	A 133000						
75-08-12			11500	*	182	A 5650						
75-08-19			11500	*	162	A 5030						
75-08-26			9100	*	126	A 3100						
75-09-02			4700	*	78	A 990						
75-09-09			4900	*	83	A 1100						
75-09-16			4000	*	84	A 907						
75-09-23			8800	*	159	A 3780						
75-09-30			5400	*	306	A 4460						
78-01-25	1230		8800	*	154	3660						
78-03-28	1200		49000	*	749	99100						

\*\*\*\*\*  
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07341500 RED RIVER AT FULTON, ARK.







## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07142860 COW CREEK NEAR CLAFLIN, KANS.					
LOCATION.--Lat 38°31'20", long 98°35'00", in NE 1/4 NW 1/4 sec.6, T.18 S., R.11 W., Barton County, Hydrologic Unit 11030011, at downstream side of bridge on State Highway 4, 2.5 mi (4.0 km) west of Claflin, and at mile 97.8 (157.4 km).	71-05-22	1300	1900	2710	13900
	71-05-22	1915	818	1810	4000
	71-05-23	1200	81	866	188
	79-03-29	1040	1.1	101	0.30
	79-11-07	1130	0.01	704	0.02
	80-04-21	0930	1.0	19	0.05
DRAINAGE AREA.--43 mi <sup>2</sup> (111 km <sup>2</sup> ).	80-05-19	1055	0.42	128	0.15
07142900 BLOOD CREEK NEAR BOYD, KANS.					
LOCATION.--Lat 38°32'10", long 98°51'35", in NE 1/4 NW 1/4 sec.34, T.17 S., R.14 W., Barton County, Hydrologic Unit 11030011, at downstream side of bridge on State Highway 4, 1.3 mi (2.1 km) northwest of Boyd, 4.8 mi (7.7 km) northwest of Holsington, and 11.9 mi (19.1 km) upstream from Cheyenne Bottoms.	71-05-19	0920	102	1010	278
	71-05-20	1130	19	607	31
	71-05-22	1720	750	2340	4740
	76-04-22	1340	15	401	16
	76-09-22	1530	1.2	743	2.3
	77-05-02	1330	547	7500	11100
	77-09-08	1145	0.53	233	0.33
	79-06-28	1005	0.18	194	0.09
	79-07-30	1110	0.48	63	0.08
	79-11-07	1005	0.04	19	0.00
	80-01-16	1150	0.19	83	0.04
	80-04-21	1110	0.98	56	0.15
DRAINAGE AREA.--61 mi <sup>2</sup> (158 km <sup>2</sup> ).	80-05-19	1225	1.1	181	0.54
07144850 SOUTH FORK SOUTH FORK NINNESCAH RIVER NEAR PRATT, KANS					
LOCATION.--Lat 37°35'10", long 98°49'40", in NW 1/4 NW 1/4 sec.26, T.28 S., R.14 W., Pratt County, Hydrologic Unit 11030015, at downstream side of highway bridge, 6.0 mi (9.7 km) southwest of Pratt, and 6.5 mi (10.5 km) upstream from mouth.	64-09-11	0140	33	30600	2730
	64-09-11	0400	472	16600	21200
	64-11-16	1245	166	1640	735
	65-05-14	0350	63	29100	4950
	65-06-04	2045	686	13800	25600
	65-06-09	1945	63	8810	1500
	65-09-20	1835	63	16000	2720
	65-09-20	1850	132	16200	5770
	65-09-20	2025	115	11100	3450
	76-04-21	0925	60	576	93
	76-07-02	1145	197	1750	931
	77-05-23	1245	54	1200	176
07145700 SLATE CREEK AT WELLINGTON, KANS.					
LOCATION.--Lat 37°15'00", long 97°24'12", in SE 1/4 NE 1/4 SE 1/4 sec.22, T.32 S., R.1 W., Sumner County, Hydrologic Unit 11030013, on right bank at upstream side of U.S. Highway 81 bridge, at southern edge of Wellington.	76-05-04	1245	16	113	4.9
	76-06-02	1230	11	199	5.9
	76-07-02	1540	4010	1710	18500
	77-04-19	1615	31	102	8.7
	77-06-02	1140	49	170	22
	77-08-30	1650	59	299	48
	78-11-28	1000	20	94	5.1
	79-03-06	1530	33	96	8.6
	79-05-22	1510	15	137	5.5
	79-06-26	1500	15	77	3.1
	79-07-31	1540	3.6	61	0.59
	79-09-12	1420	0.20	76	0.04
	79-10-22	1425	0.29	99	0.08
	79-11-27	1550	9.5	99	2.5
	80-01-15	1515	6.7	44	0.80
	80-02-20	1530	18	24	1.2
	80-04-08	1500	32	70	6.0
	80-05-20	1520	11	67	2.0
	80-06-26	1300	5.7	199	3.1
	80-09-08	1735	0.48	210	0.27
07148140 ARKANSAS RIVER NEAR PONCA CITY, OKLA.					
LOCATION.--Lat 36°41'55", long 96°55'40", in SW 1/4 SE 1/4 sec.25, T.26 N., R.3 E., Kay County, Hydrologic Unit 11060001, at spillway of Kaw Dam, about 8 mi (13 km) east of Ponca City, and at mile 653.7 (1,051.8 km).	78-05-18	1300	2630	2280	16200
	78-08-16	1730	341	40	37
	79-09-12	1116	1120	50	151
	79-10-10	1105	294	50	40
	80-01-10	1110	1540	30	125
	80-04-15	1720	8990	50	1210
	80-06-15	1222	800	50	108
	80-07-22	1117	184	30	15
DRAINAGE AREA.--46,530 mi <sup>2</sup> (120,513 km <sup>2</sup> ), of which 7,607 mi <sup>2</sup> (19,702 km <sup>2</sup> ) is probably noncontributing.	80-08-28	1347	349	20	19

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07148450 SALT FORK ARKANSAS RIVER NEAR INGERSOLL, OKLA.					
LOCATION.--Lat 36°49'18", long 98°21'35", in SW 1/4 NW 1/4 sec.14, T.27 N., R.11 W., Alfalfa County, Hydrologic Unit 11060002, on downstream right bank near end of bridge on State Highways 8 and 58, 2.0 mi (3.2 km) upstream from Medicine Lodge River, 2.5 mi (4.0 km) northeast of Ingersoll and at mile 120.3 (194 km).	79-03-29	1114	113	980	A 299
	79-06-06	1220	94	190	A 48
	79-06-12	0910	1720	1570	A 7290
	79-07-02	1501	139	2430	A 912
	79-07-02	1502	139	2580	A 968
	79-08-29	1345	16	150	A 6.5
	79-09-02	1502	139	2580	968
DRAINAGE AREA.--1,140 mi <sup>2</sup> (2,953 km <sup>2</sup> ).					
07149704 COTTONWOOD CANYON CREEK NEAR CHEROKEE, OKLA.					
LOCATION.--Lat 36°46', long 98°21', in NW 1/4 sec.2, T.26 N., R.11 W., Alfalfa County, Hydrologic Unit 11060004, about 200 ft (61 m) north of intersection of Pennsylvania Avenue and Jefferson Street.	44-10-02		608	100	A 164
	44-10-10		43	3000	A 348
	45-03-15		61	3200	A 527
	45-04-25		573	1100	A 1700
DRAINAGE AREA.--46 mi <sup>2</sup> (119 km <sup>2</sup> ).					
07154500 CIMARRON RIVER NEAR KENTON, OKLA.					
LOCATION.--Lat 36°56', long 102°57', in SE 1/4 sec.4, T.5 N., R.1 E., Cimarron County, Hydrologic Unit 11040001, near right bank on downstream side of pier of bridge on county highway, 1.5 mi (2.4 km) upstream from Carrizo Creek, 1.7 mi (2.7 km) northeast of Kenton, 2.2 mi (3.5 km) downstream from Carrizozo Creek, and at mile 594 (950.4 km).	67-10-03	1430	3.4	1160	11
	67-10-31	1425	3.7	64	0.64
	67-11-21	1245	4.1	28	0.31
	67-12-12	1335	4.5	39	0.47
	68-01-08	1400	5.5	80	1.2
	68-01-31	1330	2.6	34	0.24
	68-02-20	1320	3.3	43	0.38
	68-03-18	1415	3.0	24	0.20
	68-04-09	1435	2.0	50	0.26
	68-04-29	1425	3.7	696	7.0
	68-05-21	1330	2.2	65	0.39
	68-06-18	1555	1.6	1100	4.7
DRAINAGE AREA.--1,106 mi <sup>2</sup> (2,865 km <sup>2</sup> ) of which 68 mi <sup>2</sup> (176 km <sup>2</sup> ) is probably noncontributing.					
07156010 NORTH FORK CIMARRON RIVER AT RICHFIELD, KANS.					
LOCATION.--Lat 37°15'30", long 101°46'30", in SE 1/4 SE 1/4 sec.16, T.32 S., R.41 W., Morton County, Hydrologic Unit 11040003, at downstream side of bridge on State Highway 51, at Richfield, and at mile 85.8 (138.1 km).	76-04-20	1315	576	9180	14300
	76-04-28	1355	2550	5710	39300
	77-05-15	1145	127	3920	1340
	77-05-15	1825	41	3220	356
	77-05-19	1450	258	3070	2140
	77-08-09	1405	9.4	2280	58
	78-05-06	1730	49	2660	353
	78-06-27	1540	168	4810	2180
DRAINAGE AREA.--463 mi <sup>2</sup> (1,199 km <sup>2</sup> ).					
07156220 BEAR CREEK NEAR JOHNSON, KANS.					
LOCATION.--Lat 37°37'35", long 101°45'40", in NW 1/4 SW 1/4 sec.12, T.28 S., R.41 W., Stanton County, Hydrologic Unit 11040005, at bridge on U.S. Highway 270, 3.5 mi (5.6 km) north of Johnson, and at mile 42.0 (67.6 km).	71-05-30	2130	84	274	62
	72-05-11	2055	4230	22000	251000
	72-05-12	0910	762	15600	32100
	72-08-24	1300	62	3400	569
	77-04-21	1200	113	14300	4360
	79-05-03	1315	413	9220	10300
	79-05-04	1400	52	3890	546
DRAINAGE AREA.--835 mi <sup>2</sup> (2,163 km <sup>2</sup> ).					
07157960 BUFFALO CREEK NEAR LOVEDALE, OKLA.					
LOCATION.--Lat 36°46'08", long 99°21'58", in NW 1/4 NW 1/4 sec.4, T.26 N., R.20 W., Harper County, Hydrologic Unit 11050001, near center of channel on downstream side of pier of bridge on State Highway 34, 1.2 mi (1.9 km) east of Lovedale, 1.3 mi (2.1 km) upstream from Sleeping Bear Creek, and at mile 7.6 (12.2 km).	79-04-04	1628	1.3	760	A 2.7
	79-04-16	1530	0.19	450	A 0.23
	79-06-01	1005	18	120	A 5.8
	79-08-23		3060	370	A 3060
	79-08-24	1135	0.89	60	A 0.14
DRAINAGE AREA.--408 mi <sup>2</sup> (1,057 km <sup>2</sup> ).					

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07157980 CIMARRON RIVER NEAR FREEDOM, OKLA.	80-02-06	1030	296	731	584
LOCATION.--Lat 36°45'18", long 99°06'58", in SE 1/4 SE 1/4 sec.3, T.26 N., R.18 W., Woodward County, Hydrologic Unit 11050001, on old bridge of State Highway 50, 1.0 mi (1.6 km) south of Freedom, 1.1 mi (1.8 km) upstream from unnamed tributary, and at mile 272.4 (438.3 km).					
DRAINAGE AREA.--12,706 mi <sup>2</sup> (32,909 km <sup>2</sup> ), of which 4,813 mi <sup>2</sup> (12,466 km <sup>2</sup> ) is probably noncontributing.					
07158400 SALT CREEK NEAR OKEENE, OKLA.	78-10-05	1007	2.7	120	A 0.89
LOCATION.--Lat 36°06'11", long 98°11'36", in SW 1/4 sec.20, T.19 N., R.9 W., Kingfisher County, Hydrologic Unit 11050002, near left bank on downstream wingwall of country bridge, 2.2 mi (3.5 km) downstream from Spring Creek, 7.0 mi (11.3 km) east of Okeene, and at mile 2.2 (3.5 km).	78-10-31	1350	6.6	120	A 2.1
DRAINAGE AREA.--196 mi <sup>2</sup> (508 km <sup>2</sup> ).	79-03-27	0949	17	520	A 24
	79-04-25	1104	11	200	A 5.9
	79-05-30	1345	12	2340	A 76
	79-07-06	0927	420	20200	A 22900
	79-07-25	1009	103	930	A 259
	79-08-23	1542	4.5	120	A 1.5
07163500 CIMARRON RIVER AT OILTON, OKLA.	38-06-21		850	700	A 1610
LOCATION.--Lat 36°06', long 96°35', in SW 1/4 sec.28, T.19 N., R.7 E., Creek County, Hydrologic Unit 11050003, at bridge on State Highways 51 and 99, 0.5 mi (0.8 km) north of Oilton, 4.5 mi (7.2 km) upstream from Buckeye Creek, 6 mi (9.6 km) upstream from Logoon Creek, and at mile 35 (56 km).	38-06-22		8610	14800	A 344000
DRAINAGE AREA.--17,700 mi <sup>2</sup> (45,843 km <sup>2</sup> ).	38-08-06		305	8400	A 6920
	42-03-17		798	700	A 1510
	44-03-24		5300	5200	A 74400
	44-03-25		2570	5000	A 34700
	44-04-12		21600	7700	A 449000
	44-04-24		14140	15200	A 580000
	44-05-11		1800	3200	A 15600
	44-05-20		1710	3800	A 17500
	44-07-06		524	300	A 424
	44-09-30		5990	11700	A 189000
	44-10-04		1660	1500	A 6720
	44-11-03		121	100	A 33
	44-11-16		292	600	A 473
	45-04-13		15600	6800	A 286000
	44-10-12		929	1100	A 2760
07170500 VERDIGRIS RIVER AT INDEPENDENCE, KANS.	45-04-17	1530	117000	1700	537000
LOCATION.--Lat 37°13'26" long 95°40'43", in NW 1/4 NE 1/4 NE 1/4, sec.32, T.32 S., R.16 E., Montgomery County, Hydrologic Unit 11070103, near right bank at downstream side of bridge on U.S. Highway 160, 1.0 mi (1.6 km) east of Independence, 3.6 mi (5.8 km) downstream from Elk River, and at mile 194.3 (312.6 km).	45-04-18	1140	67300	1500	273000
DRAINAGE AREA.--2,892 mi <sup>2</sup> (7,490 km <sup>2</sup> ).	45-04-19	1030	30800	1000	83200
	57-05-20		18600	1570	A 78800
	61-05-09	0555	36400	*	62000
	61-05-23	2330	18100	*	34800
	61-09-14	1950	58900	*	178000
07171105 EAST FORK BIG CREEK NEAR HOLLOW, OKLA.	80-01-09	1315	0.04	70	0.01
LOCATION.--Lat 36°54'06", long 95°21'34", in NE 1/4 NE 1/4 sec.22, T.28 N., R.18 E., Craig County, Hydrologic Unit 11070103.	80-01-30	1200	0.26	41	0.03
DRAINAGE AREA.--14.4 mi <sup>2</sup> (37.3 km <sup>2</sup> ).	80-02-27	1000	0.90	25	0.06
	80-03-18	1345	1.2	63	0.20
	80-04-30	1530	3.5	16	0.15
	80-05-14	0900	2.0	94	0.51
	80-06-18	1400	0.24	77	0.05
07171405 VERDIGRIS RIVER ABOVE CANEY RIVER NEAR CLAREMORE, OKLA.	41-04-22		47450	900	A 115000
LOCATION.--Lat 36°25'14", long 95°40'36", in SE 1/4 NE 1/4 sec.32, T.22 N., R.15 E., Rogers County, Hydrologic Unit 11070105.	45-03-21		21000	2200	A 125000
DRAINAGE AREA.--Not determined.	48-07-23		55000	100	A 14900
	54-04-29	1525	5070	620	A 8490
	54-04-30	1105	5980	1970	A 31800
	55-05-22	1215	8420	620	A 14100
	61-03-08	0950	5240	4040	A 57200
	78-08-09	1215	218	70	A 41
	78-08-31	1140	728	50	A 98
	78-10-23		67	30	A 5.5

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07171490 SWEETWATER CREEK NEAR CLAREMORE, OKLA.  LOCATION.--Lat 36°23'29", long 95°36'51", in NW 1/4 NW 1/4 SW 1/4 sec.16, T.22 N., R.16 E., Rogers County, Hydrologic Unit 11070105.  DRAINAGE AREA.--Not determined.	80-05-12	1500	32	105	9.1
07176000 VERDIGRIS RIVER NEAR CLAREMORE, OKLA.  LOCATION.--Lat 36°18'26", long 95°41'52", in SE 1/4 SW 1/4 sec.10, T.21 N., R.15 E., Rogers County, Hydrologic Unit 11070105, near left bank on downstream side of pier of bridge on State Highway 20, 2.3 mi (3.7 km) downstream from Caney River, 4.5 mi (7.2 km) west of Claremore, 12.4 mi (20.0 km) upstream from Bird Creek, and at mile 76.0 (122.3 km).  DRAINAGE AREA.--6,534 mi <sup>2</sup> (16,923 km <sup>2</sup> ).	80-04-09 80-04-25 80-06-25 80-09-10	1045 1155 1505 1125	16200 5050 231 53	70 70 50 30	A A A A 3060 954 31 4.3
07176320 BIRO CREEK AT PAWHUSKA, OKLA.  LOCATION.--Lat 36°39'45", long 96°20'40", in SW 1/4 NW 1/4 sec.10, T.25 N., R.9 E., Osage County, Hydrologic Unit 11070107, 200 ft (61 m) below State Highway 99 bridge on A.T. and S.F. Railway bridge, and at mile 84 (134.4 km).  DRAINAGE AREA.--157 mi <sup>2</sup> (407 km <sup>2</sup> ).	44-03-22 44-04-10 44-05-04 44-09-28 45-03-16 45-03-24 45-03-25 45-06-29 45-07-01 46-02-18	 11200 88 2350 263 2390 323 2320 18500 861	212 1600 300 1400 300 1400 500 2700 900 1200	A A A A A A A A A A	114 48400 71 8880 213 9030 436 16900 45000 2790
07176455 BIRCH CREEK NEAR BARNSDALL, OKLA.  LOCATION.--Lat 36°32'05", long 96°09'45", in NW 1/4 NE 1/4 sec.30, T.24 N., R.11 E., Osage County, Hydrologic Unit 11070107, and at mile 0.8 (1.3 km).  DRAINAGE AREA.--66 mi <sup>2</sup> (171 km <sup>2</sup> ).	78-04-18 78-05-12 78-05-24 78-07-06 78-10-25 78-11-20 80-04-30 80-08-26	1405 1030 1155 1525 1245 1510 1445 1250	22 170 624 28 7.7 5.2 530 39	37 40 20 30 20 30 10 10	A A A A A A A A 2.2 18 34 2.2 0.42 0.42 14 1.1
07176800 CANDY CREEK NEAR WOLCO, OKLA.  LOCATION.--Lat 36°32'06", long 96°02'54", in NW 1/4 NW 1/4 sec.29, T.29 N., R.12 E., Osage County, Hydrologic Unit 11070107, 1.3 mi (2.1 km) east of Wolco, 3.3 mi (5.3 km) northeast of Avant, and at mile 5.6 (9.0 km).  DRAINAGE AREA.--30.6 mi <sup>2</sup> (79.3 km <sup>2</sup> ).	78-03-27 78-05-03 78-12-04 79-04-05 80-05-01	1440 1550 1055 20 1145	332 302 0.04 50 10.0	70 230 30 50 20	A A A A A 63 188 0.00 2.7 0.54
07177500 BIRD CREEK NEAR SPERRY, OKLA.  LOCATION.--Lat 36°16'42", long 95°57'14", in NW 1/4 NW 1/4 sec.29, T.21 N., R.13 E., Tulsa County, Hydrologic Unit 11070107, on downstream side of right pier of county road bridge, 1.5 mi (2.4 km) upstream from Delaware Creek, 2.4 mi (3.9 km) downstream from Hominy Creek, 2.5 mi (4.0 km) south-east of Sperry, and at mile 25.0 (40.2 km).  DRAINAGE AREA.--905 mi <sup>2</sup> (2,344 km <sup>2</sup> ).	55-05-11 55-05-22 57-04-22 71-09-06 78-04-11 78-05-04 78-07-21 78-08-09 78-08-29 78-09-18 78-10-10 78-10-23 79-11-27 80-01-14 80-02-04 80-04-08 80-06-20 80-08-13	1130 0920 1040 15200 1400 1315 1005 1615 1455 1630 1525 1445 146 1350 1210 1430 1600 0955	952 7430 10600 645 7150 21 30 6.0 4.0 4.0 8.0 146 20 40 309 5780 13	1310 610 1720 450 390 760 40 80 30 10 20 40 90 10 120 190 800 20	A A A A A A A A A A A A A A A A A A A 3370 12200 49200 18500 679 14700 2.3 6.5 0.49 0.11 0.22 0.86 35 0.54 13 159 12500 0.70

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)		SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07178040 MINGO CREEK AT TULSA, OKLA.	78-05-03	1130	2700	710	A	5180
LOCATION.--Lat 36°12'22", long 95°51'32", in SW 1/4 SE 1/4 sec.18, T.20 N., R.14 E., Tulsa County, Hydrologic Unit 11070107, at 36 Street North bridge, and at mile 3.28 (5.25 km).	78-05-19	1540	24	160	A	10
	78-05-22	1545	549	1850	A	2740
	78-06-05	1125	1500	940	A	3810
	80-09-02	1230	4070	970	A	10700
DRAINAGE AREA.--60 mi <sup>2</sup> (155.4 km <sup>2</sup> ).						
07182260 COTTONWOOD RIVER AT EMPORIA, KANS.	40-05-19		1680	*	700	A 3180
LOCATION.--Lat 38°23', long 96°11', in SE 1/4 NW 1/4 sec.22, T.19 S., R.11 E., Lyon County, Hydrologic Unit 11070203, at bridge on State Highway 99, at south edge of Emporia.	40-05-20		1560	*	700	A 2950
	40-05-25		373	*	300	A 302
	40-05-26		272	*	400	A 294
	40-06-01		130	*	300	A 105
	40-06-03		110	*	300	A 89
DRAINAGE AREA.--1,840 mi <sup>2</sup> (4,766 km <sup>2</sup> ).	40-06-05		98	*	200	A 53
07182390 NEOSHO RIVER AT NEOSHO RAPIDS, KANS.	41-10-27		8820	*	2200	A 52400
LOCATION.--Lat 38°22', long 96°00', in SW 1/4 sec.29, T.19 S., R.13 E., Lyon County, Hydrologic Unit 11070201, in west edge of Neosho Rapids, and at mile 374.2 (598.7 km).	41-11-15		1660	*	400	A 1790
	44-05-05		16500	*	2300	A 102000
	44-08-28		11900	*	2000	A 64300
	44-12-08		15300	*	1000	A 41300
DRAINAGE AREA.--2,736 mi <sup>2</sup> (7,086 km <sup>2</sup> ).						
07183200 NEDSHO RIVER NEAR CHANUTE, KANS.	40-05-20		1220	*	400	A 1320
LOCATION.--Lat 37°43'49", long 95°26'26" in NE 1/4 sec. 4, T.27 S., R.18 E., Neosho County, Hydrologic Unit 11070204, at downstream side of bridge on U.S. Highway 169, 2.4 mi (3.8 km) upstream from Village Creek, 2.7 mi (4.3 km) north of Chanute, and at mile 271.1 (433.8 km).	40-05-21		2630	*	500	A 3550
	40-05-22		4960	*	1400	A 18700
	40-05-23		3620	*	1100	A 10800
	40-05-29		390	*	300	A 316
	40-05-30		328	*	300	A 266
	40-05-31		294	*	200	A 159
	40-06-01		221	*	400	A 239
	40-06-04		136	*	200	A 73
	40-06-08		142	*	200	A 77
	40-06-12		737	*	400	A 796
DRAINAGE AREA.--4,195 mi <sup>2</sup> (10,865 km <sup>2</sup> ), includes that of Village Creek.	40-06-14		866	*	600	A 1400
07183800 LIMESTONE CREEK NEAR BEULAH, KANS.	79-03-20	1440	9.4	36		0.91
LOCATION.--Lat 37°24'12", long 94°53'16", in NE 1/4 SE 1/4 sec.28, T.30 S., R.23 E., Crawford County, Hydrologic Unit 11070205, at downstream side of county highway bridge, 4.0 mi (6.4 km) southwest of Beulah.						
DRAINAGE AREA.--12.0 mi <sup>2</sup> (31.1 km <sup>2</sup> ).						
07184060 DEER CREEK NEAR WEST MINERAL, KANS.	77-06-22	0835	10	117		3.3
LOCATION.--Lat 37°15'37", long 94°57'31", in SE 1/4 SE 1/4 NE 1/4 sec.14, T.32 S., R.22 E., Cherokee County, Hydrologic Unit 11070205, at downstream side of county road bridge, 2.5 mi (4.0 km) southwest of West Mineral.	77-11-02	1545	24	171		11
DRAINAGE AREA.--1.5 mi <sup>2</sup> (3.9 km <sup>2</sup> ).						

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## ARKANSAS RIVER BASIN

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07184070 DEER CREEK NEAR HALLOWELL, KANS.					
LOCATION.--Lat 37°13'50", long 94°59'41" in NE 1/4 NE 1/4	77-04-20	1335	7.1	1320	25
SE 1/4 sec.28, T.32 S., R.22 E., Cherokee County, Hydrologic	77-05-03	1430	20	139	7.5
Unit 11070205, at downstream side of county road bridge, 3.6	77-06-20	1815	182	327	161
mi (5.8 km) north of Hallowell.	77-06-22	0920	210	337	191
	77-08-17	0915	17	58	2.6
	77-10-31	1745	134	114	41
DRAINAGE AREA.--7.0 mi <sup>2</sup> (18.1 km <sup>2</sup> ).	77-11-01	1200	65	58	10
	77-11-09	0900	39	109	11
	78-04-12	1300	13	44	1.5
	78-05-19	1025	8.0	106	2.3
	79-03-19	1650	20	110	5.9
	79-04-11	1430	38	114	12
07184080 DEER CREEK NEAR OSWEGO, KANS.					
LOCATION.--Lat 37°12'03", long 95°02'59" in NE 1/4 NE 1/4	77-06-22	1015	246	1150	764
SE 1/4 sec.1, T.33 S., R.21 E., Cherokee County, Hydrologic	77-08-17	1045	15	90	3.6
Unit 11070205, at downstream side of county road bridge, 4.1	77-11-02	1130	123	80	27
mi (6.6 km) northeast of Oswego.	77-11-09	1050	46	56	7.0
	78-04-12	1115	23	43	2.7
DRAINAGE AREA.--12.0 mi <sup>2</sup> (31.1 km <sup>2</sup> ).	78-05-17	0940	6.4	90	1.6
07184100 LIGHTNING CREEK NEAR OSWEGO, KANS.					
LOCATION.--Lat 37°10'49", long 95°04'11" in SE 1/4 SE 1/4	77-04-23	2400	300	521	422
SE 1/4 sec. 11, T.33 S., R.21 E., Cherokee County, Hydrologic	77-05-02	1600	318	137	118
Unit 11070205, on left bank at upstream side of county road	77-05-17	0800	290	1030	806
bridge, 2.4 mi (3.9 km) northeast of Oswego and at mile 0.3	77-05-18	1315	337	155	141
(0.48 km).	77-05-22	0345	710	2780	5330
	77-05-28	1445	1000	3580	9670
DRAINAGE AREA.--250 mi <sup>2</sup> (648 km <sup>2</sup> ).	77-08-12	1015	290	961	752
	77-11-09	1200	1440	196	762
	78-04-12	0940	1390	224	841
07184240 LITTLE CHERRY CREEK NEAR WEST MINERAL, KANS.					
LOCATION.--Lat 37°13'31", long 94°50'13" in NW 1/4 NE 1/4	77-04-23	0215	120	440	143
NW 1/4 sec.32, T.32 S., R.23 E., Cherokee County, Hydrologic	77-04-23	0600	420	844	957
Unit 11070205, at downstream side of county road bridge,	77-05-20	1000	120	892	289
4.1 mi (6.6 km) south of West Mineral.	77-06-19	0945	410	2420	2680
	77-06-20	2055	1210	240	784
DRAINAGE AREA.--34.0 mi <sup>2</sup> (88.1 km <sup>2</sup> ).	77-08-14	2030	120	1330	431
	77-08-14	2215	410	1270	1410
	77-11-02	1300	740	212	424
	78-03-07	0915	72	32	6.2
	78-04-25	1110	11	3	0.09
	78-05-08	1520	63	82	14
	78-05-19	1105	920	2340	5810
07184590 NEOSHO RIVER AT CHETOPA, KANS.					
LOCATION.--Lat 37°02'10", long 95°04'50" in SE 1/4 SW 1/4	78-04-26	1040	2160	181	1060
sec.35, T.34 S., R.21 E., Labette County, Hydrologic Unit					
11070205, at bridge on U.S. Highway 166, 0.5 mi (0.8 km) east					
of Chetopa.					
DRAINAGE AREA.--Not determined.					
07184600 FLY CREEK NEAR FAULKNER, KANS.					
LOCATION.--Lat , long in NW 1/4 NW 1/4	77-06-22	1350	1590	239	1030
sec.7, T.34 S., R.23 E., Cherokee County, Hydrologic Unit					
11070205, at upstream side of county highway bridge,					
3.8 mi (6.1 km) east of Faulkner.					
DRAINAGE AREA.--27.0 mi <sup>2</sup> (70.0 km <sup>2</sup> ).					

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STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07186020 FIRST COW CREEK AT FRONTENAC, KANS.					
LOCATION.--Lat 37°26'25", long 94°42'54" in SE 1/4 SE 1/4 SW 1/4 sec.7, T.30 S., R.25 E., Crawford County, Hydrologic Unit 11070207, at upstream side of county road bridge, 0.2 mi (0.3 km) southwest of Frontenac.	77-06-20	1210	1650	931	4150
	77-06-21	1430	308	141	117
	77-11-01	1430	172	99	46
	77-11-10	1605	37	57	5.7
	79-10-31	1215	56	284	43
DRAINAGE AREA.--30.0 mi <sup>2</sup> (77.7 km <sup>2</sup> ).					
07186025 EAST COW CREEK AT FRONTENAC, KANS.					
LOCATION.--Lat 37°27'18", long 94°38'48" in SW 1/4 SW 1/4 SW 1/4 sec.2, T.30 S., R.25 E., Crawford County, Hydrologic Unit 11070207, at upstream side of culvert on county road, 2.0 mi (3.2 km) east of Frontenac.	77-06-21	1405	39	37	3.9
	77-10-31	2110	450	200	243
	77-11-01	1530	69	38	7.1
DRAINAGE AREA.--7.5 mi <sup>2</sup> (19.4 km <sup>2</sup> ).					
07186030 EAST COW CREEK NEAR PITTSBURG, KANS.					
LOCATION.--Lat 37°22'04", long 94°40'30" in NW 1/4 NW 1/4 NE 1/4 sec.9, T.31 S., R.25 E., Crawford County, Hydrologic Unit 11070207, at downstream side of county road bridge, 3.4 mi (5.5 km) southeast of Pittsburg.	77-05-01	1200	225	1570	954
	77-06-19	0845	225	48100	29200
	77-06-19	2030	440	92	109
	77-08-11	1115	225	1420	863
	77-08-17	0700	225	814	495
	77-09-24	0330	260	1080	758
	77-09-24	0500	660	1970	3510
	77-10-31	1200	260	882	619
	78-05-07	1315	260	1220	856
	78-05-08	1340	115	152	47
	78-05-15	1640	12	14	0.45
	78-05-23	1300	260	762	535
	78-11-16	0910	6.1	57	0.94
	79-04-12	1130	80	49	11
	79-11-01	0930	40	54	5.8
DRAINAGE AREA.--43.0 mi <sup>2</sup> (111 km <sup>2</sup> ).					
07186050 BRUSH CREEK NEAR WEIR, KANS.					
LOCATION.--Lat 37°18'32", long 94°42'19" in NE 1/4 NE 1/4 NE 1/4 sec.31, T.31 S., R.25 E., Cherokee County, Hydrologic Unit 11070207, at upstream side of U.S. Highway 69 bridge, 4.0 mi (6.4 km) east of Weir.	77-06-21	1200	153	96	40
	77-11-09	1635	111	69	21
	78-05-08	1440	30	100	8.1
	78-05-19	0915	36	318	31
	79-03-19	1230	54	65	9.5
	79-04-12	1100	43	56	6.5
	80-03-12	1615	88	174	41
DRAINAGE AREA.--30.0 mi <sup>2</sup> (77.7 km <sup>2</sup> ).					
07190500 NEOSHO RIVER NEAR LANGLEY, OKLA.					
LOCATION.--Lat 36°26'15", long 95°02'44" in SE 1/4 sec.27, T.23 N., R.21 E., Mayes County, Hydrologic Unit 11070209, in concrete stilling well on left bank, 0.5 mi (0.8 km) upstream from bridge on State Highway 82, 1.5 mi (2.4 km) south of Langley, 3.6 mi (5.8 km) downstream from Pensacola Dam, 6.3 mi (10.1 km) upstream from Big Cabin Creek, and at mile 73.4 (118.1 km).	45-09-28		74800	100	A 20200
	45-10-10		44400	100	A 12000
	46-01-12		35100	200	A 19000
	46-01-15		23100	300	A 18700
	46-02-16		14100	400	A 15200
	47-04-23		37700	100	A 10200
	47-05-03		16200	100	A 4370
	47-05-21		18800	100	A 5080
	47-06-11		19100	200	A 10300
DRAINAGE AREA.--10,335 mi <sup>2</sup> (26,768 km <sup>2</sup> ).					
07190595 BIG CABIN CREEK NEAR WELCH, OKLA.					
LOCATION.--Lat 36°54'09", long 95°10'33" in NW 1/4 NW 1/4 NE 1/4 sec.21, T.28 N., R.20 E., Craig County, Hydrologic Unit 11070209.	79-12-12	0835	1.9	114	0.58
	80-01-29	1300	2.4	40	0.26
	80-02-27	1230	6.5	12	0.21
	80-03-19	0945	5.8	12	0.19
	80-04-30	1100	19	10	0.51
	80-05-13	1130	8.2	19	0.42
	80-06-18	1000	1.6	27	0.12
DRAINAGE AREA.--Not determined.					

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
0719D597 BIG CABIN CREEK TRIBUTARY NEAR WELCH, OKLA.	80-05-13	1400	0.10	12	0.00
LOCATION.--Lat 36°53'04", long 95°10'47", in NE 1/4 NE 1/4 SE 1/4 sec. 29, T.28 N., R.20 E., Craig County, Hydrologic Unit 11070209.	80-06-18	1200	0.05	15	0.00
DRAINAGE AREA.--Not determined.					
07190620 WEST FORK BIG CABIN CREEK NEAR CENTRALIA, OKLA.	79-12-11	1320	1.1	67	0.20
LOCATION.--Lat 36°47'11", long 95°16'11", in NW 1/4 NW 1/4 NW 1/4 sec.34, T.27 N., R.19 E., Craig County, Hydrologic Unit 11070209.	80-01-09	1015	0.59	59	0.09
	80-01-30	1530	1.8	38	0.19
	80-02-27	1545	3.3	8	0.07
	80-03-18	0900	2.7	11	0.08
DRAINAGE AREA.--13.1 mi <sup>2</sup> (33.9 km <sup>2</sup> ).	80-05-01	1400	7.6	8	0.16
	80-05-14	1445	3.1	27	0.23
	80-06-17	1230	5.2	269	3.8
07190625 MIDDLE FORK BIG CABIN CREEK NEAR PYRAMID CORNERS, OKLA.	79-12-11	1137	0.27	159	0.12
LOCATION.--Lat 36°46'18", long 95°14'25", in NE 1/4 NW 1/4 sec.2, T.26 N., R.19 E., Craig County, Hydrologic Unit 11070209.	80-01-08	1500	0.16	52	0.02
	80-01-31	0915	0.73	47	0.09
	80-02-28	0845	1.7	8	0.04
DRAINAGE AREA.--13.4 mi <sup>2</sup> (34.7 km <sup>2</sup> ).	80-03-17	1430	2.2	22	0.13
	80-05-01	1030	8.0	16	0.35
	80-05-14	1330	1.9	110	0.56
	80-06-17	1440	0.33	267	0.24
07191000 BIG CABIN CREEK NEAR BIG CABIN, OKLA.	48-03-15		30	100	A 8.1
LOCATION.--Lat 36°34'06", long 95°09'07", in NE 1/4 NE 1/4 sec.15, T.24 N., R.20 E., Craig County, Hydrologic Unit 11070209, near downstream side of right bank end of county road bridge, 4.9 mi (7.9 km) northeast of Big Cabin, 0.9 mi (1.5 km) downstream from White Oak Creek, 6.8 mi (10.9 km) upstream from Mustang Creek and at mile 13.0 (20.9 km).	48-03-23		7160	1400	A 27100
	48-03-24		889	500	A 1200
	48-04-13		36	200	A 19
	48-04-29		31	200	A 17
	48-05-19		54	200	A 29
	48-06-02		13	200	A 7.0
DRAINAGE AREA.--450 mi <sup>2</sup> (1,165 km <sup>2</sup> ).	48-06-28		1710	400	A 1850
	48-07-19		2400	200	A 1300
07192000 PRYOR CREEK NEAR PRYOR, OKLA.	42-06-10		1800	1400	A 6800
LOCATION.--Lat 36°17', long 95°20', in SW 1/4 sec.19, T.21 N., R.19 E., Mayes County, Hydrologic Unit 11070209, at bridge on U.S. Highway 69, 1.8 mi (2.9 km) south of Pryor, 2.0 mi (3.2 km) downstream from Seminole Creek, and at mile 10.5 (16.8 km).	43-05-12		133	300	A 108
	44-02-09		2590	1100	A 7690
	48-03-15		49	200	A 26
	48-03-23		2700	1000	A 7290
	48-03-24		1540	500	A 2080
DRAINAGE AREA.--229mi <sup>2</sup> (593 km <sup>2</sup> ).	48-04-13		17	200	A 9.2
	48-04-29		16	100	A 4.3
	48-05-07		108	500	A 146
	48-05-19		34	200	A 18
	48-06-02		12	200	A 6.5
	48-06-28		1130	400	A 1220
07195500 ILLINOIS RIVER NR WATTS, OKLA.	65-03-04	1100	1010	140	A 382
LOCATION.--Lat 36°07'48", long 94°34'12", in NE 1/4 sec.18, T.19 N., R.26 E., Adair County, Hydrologic Unit 11110103, near right bank on downstream side of pier of bridge on U.S. Highway 59, 1.5 mi (2.4 km) north of Watts, 4.5 mi (7.2 km) downstream from Cincinnati Creek, and at mile 106.2 (170.9 km).					
DRAINAGE AREA.--635 mi <sup>2</sup> (1,645 km <sup>2</sup> ).					

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07229500 LITTLE RIVER NEAR NORMAN, OKLA.	53-03-30	0845	8.0	300	A 6.5
LOCATION.--Lat 35°13'37", long 97°18'22", in SW 1/4 NE 1/4	53-04-03	0950	46	5500	A 683
sec.28, T.9 N., R.1 W., Cleveland County, Hydrologic Unit	53-04-05	1150	2000	13700	A 74000
11090203, on State Highway 9, 7.8 mi (12.5 km) east of Norman,	53-04-07	0910	20	1000	A 54
and at mile 101.5 (162.4 km).	53-05-14	0900	9.0	600	A 15
DRAINAGE AREA.--120 mi <sup>2</sup> (311 km <sup>2</sup> ).	56-07-19	1220	34	2040	A 187
07232008 BLUE CREEK TRIBUTARY NEAR BLOCKER, OKLA.	78-12-11	1445	0.09	11	0.00
LOCATION.--Lat 35°02'25", long 95°34'15", NE 1/4 NW 1/4	78-12-18	1540	0.14	27	0.01
sec.36, T.7 N., R.16 E., Pittsburg County, Hydrologic Unit	79-01-30	1120	0.97	11	0.03
11090204, approximately 400 ft (122 m) east of State Highway	79-02-08	1215	0.64	41	0.07
31 bridge along Blue Creek, 1.5 mi (2.4 km) south of Blocker,	79-02-27	1420	25	13	0.88
and at mile 0.0 (0.0 km).	79-03-08	1430	2.1	6	0.03
DRAINAGE AREA.--4.6 mi <sup>2</sup> (11.9 km <sup>2</sup> ).	79-03-23	1230	12	13	0.42
	79-04-10	0900	0.82	10	0.02
	79-04-19	1300	3.3	28	0.25
	79-05-03	1400	24	18	1.2
	79-05-25	1130	2.0	36	0.19
	79-06-04	1515	1.8	17	0.08
	79-06-26	1545	6.5	16	0.28
	79-07-11	1455	0.06	18	0.00
	80-01-11	1130	0.04	10	0.00
	80-01-25	0745	0.22	23	0.01
	80-02-15	1100	0.43	6	0.01
	80-03-24	1420	1.8	8	0.04
	80-04-18	1030	0.01	4	0.00
	80-05-28	0945	0.29	12	0.01
07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OKLA.	79-07-11	1730	78	90	A 19
LOCATION.--Lat 35°28'46", long 97°39'47", SE 1/4 SW 1/4	79-08-17	1040	56	50	A 7.6
sec.30, T.12 N., R.4 W., Oklahoma County, Hydrologic Unit	79-09-17	1420	97	80	A 21
11100301, on left bank of river, about 200 ft upstream	79-10-15	1315	2.5	90	A 0.61
from bridge on State Highway 4, 0.5 mi (0.8 km) downstream	79-11-19	1310	3.0	10	A 0.08
from Overholser, 2.4 mi upstream from Mustang Creek, 9.1 mi	79-12-10	1335	2.3	50	A 0.31
(14.6 km) southwest of State Capitol of Oklahoma, and at mile	80-01-18	1549	2.7	10	A 0.31
281.0 (449.6 km).	80-03-18	1515	124	80	A 27
DRAINAGE AREA.--13,222 mi <sup>2</sup> (34,245 km <sup>2</sup> ) of which 4,899 mi <sup>2</sup>	80-05-12	1205	447	1850	A 2230
(12,688 km <sup>2</sup> ) is probably noncontributing.	80-05-20	1445	870	80	A 168
	80-06-25	1023	811	230	A 504
	80-06-30	1134	573	140	A 217
	80-07-07	1120	140	70	A 26
	80-07-18	1545	4.9	60	A 0.79
	80-08-12	1320	3.6	40	A 0.39
	80-09-19	0935	6.0	40	A 0.65
07242350 DEEP FORK NEAR ARCADIA, OKLA.	79-02-08	0930	40	207	22
LOCATION.--Lat 35°38'58", long 97°21'00", on east line of	79-11-08	1521	21	40	A 2.3
NW 1/4 sec.31, T.14 N., R.1 W., Oklahoma County, Hydrologic	79-11-09	1500	20	110	A 5.9
Unit 11100303, 1.9 mi (3.0 km) southwest of Arcadia, 2.0 mi	80-01-08	1230	16	20	A 0.86
(3.2 km) upstream from Coffee Creek, 0.2 mi (0.3 km) downstream	80-02-11	1331	57	1280	A 197
from Spring Creek, and at mile 212.8 (551 km).	80-03-10	1301	29	20	A 1.6
DRAINAGE AREA.--105 mi <sup>2</sup> (272 km <sup>2</sup> ).	80-04-11	1245	28	20	A 1.5
	80-05-09	1300	41	100	A 11
	80-07-02	1130	131	390	A 138
	80-08-12	1430	152	40	A 16
	80-09-12	1145	28	240	A 18
07245020 TALOKA CREEK AT STIGLER, OKLA.	78-12-20	1530	0.31	54	0.05
LOCATION.--Lat 35°16'09", long 95°05'49", SW 1/4 NW 1/4 sec.9,	79-02-01	0950	1.3	21	0.07
T.9 N., R.21 E., Haskell County, Hydrologic Unit 11090204,	79-02-15	0830	3.9	40	0.42
at county road bridge, 0.6 mi (1.0 km) north of State Highway	79-03-01	1545	7.2	37	0.72
9, 1.6 mi (2.6 km) northeast of Stigler, and at mile 14.0	79-03-12	1815	2.6	9	0.06
(22.5 km).	79-03-24	1000	6.0	24	0.39
DRAINAGE AREA.--3.98 mi <sup>2</sup> (10.31 km <sup>2</sup> ).	79-04-11	1110	586	2500	3960
	79-05-04	0820	8.5	35	0.80
	79-05-29	1430	0.72	50	0.10
	79-06-06	1200	6.8	27	0.50
	79-06-22	1135	0.12	30	0.01
	79-07-12	0930	0.14	68	0.03
	80-02-20	1040	0.08	17	0.00
	80-03-20	1000	0.15	39	0.02
	80-04-22	0845	0.12	26	0.01
	80-05-29	0845	0.79	87	0.19
	80-06-24	1430	1.6	13	0.06

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## ARKANSAS RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07245025 TALOKA CREEK TRIBUTARY NEAR STIGLER, OKLA.					
LOCATION.--Lat 35°17'13", long 95°07'00", on west line NW 1/4 sec.5, T.9 N., R.21 E., Haskell County, Hydrologic Unit 11090204, at county road bridge, 1.8 mi (2.9 km) north of Stigler.	79-02-01	1345	0.86	304	0.71
	79-10-10	1320	0.60	287	0.46
	79-10-24	0945	0.94	360	0.91
	79-11-13	1330	0.75	157	0.32
	79-11-28	1330	0.01	176	0.01
	79-12-10	1235	0.01	231	0.01
	79-12-19	1000	0.06	561	0.09
	80-01-14	1245	3.9	223	2.3
	80-02-20	1340	0.03	196	0.02
	80-03-21	1500	0.90	54	0.13
	80-04-22	1130	0.02	189	0.01
	80-05-29	1350	0.02	187	0.01
	80-06-25	0730	0.26	96	0.07
DRAINAGE AREA.--2.04 mi <sup>2</sup> (5.82 km <sup>2</sup> ).					
07245040 JACKSON CREEK NEAR STIGLER, OKLA.					
LOCATION.--Lat 35°20'22", long 95°07'52", in NW 1/4 SW 1/4 sec.18, T.10 N., R.21 E., Haskell County, Hydrologic Unit 11090204, on county road 6 mi (9.65 km) north of intersection with State Highway 9, on western edge of Stigler.	80-05-29	1830	1.3	49	0.17
	80-06-20	1745	26	44	3.1
DRAINAGE AREA.--Not determined.					
07249000 POTEAU RIVER AT POTEAU, OKLA.					
LOCATION.--Lat 35°03'35", long 94°36'10", in SE 1/4 SW 1/4 sec.19, T.7 N., R.26 E., LeFlore County, Hydrologic Unit 11110105, at St. Louis-San Francisco Railroad bridge, 150 ft (45.7 m) downstream from the mouth of "The Cutoff", 1.0 mi (1.6 km) northeast of Poteau, 2.0 mi (3.2 km) above the mouth of Nail Creek, and at mile 39 (62.4 km).	38-06-23		210	100	A 57
	40-05-31		779	100	A 210
	41-01-16		1340	300	A 1090
	42-04-10		23200	200	A 12500
	44-08-30		280	500	A 378
DRAINAGE AREA.--1,240 mi <sup>2</sup> (3,212 km <sup>2</sup> ).					
07249073 BRAZIL CREEK NEAR LODI, OKLA.					
LOCATION.--Lat 34°59'28", long 95°00'24", in NE 1/4 SW 1/4 sec.17, T.6 N., R.22 E., Latimer County, Hydrologic Unit 11110105, at gas well 1.5 mi (2.42 km) east and 1.25 mi (2.01 km) south of Lodi.	80-06-18	1530	0.51	14	0.02
	80-06-20	1210	47	123	16
DRAINAGE AREA.--15 mi <sup>2</sup> (38.8 km <sup>2</sup> ).					

## RED RIVER BASIN

07297500 PRAIRIE DOG TOWN FORK RED RIVER NEAR CANYON, TEX.					
LOCATION.--Lat 35°01', long 101°54', Randell County, Hydrologic Unit 11120103, 1.2 mi (1.9 km) downstream from confluence of Palo Duro and Tierra Blanca Creeks, 2.0 mi (3.2 km) upstream from Palo Duro Club Dam, and 3.5 mi (5.6 km) northwest of Canyon.	39-06-21		794	800	A 1720
	39-06-22		41	400	A 44
	41-05-23		99	1900	A 508
	41-05-31		780	900	A 1900
	41-06-01		1020	200	A 551
	41-07-03		533	1300	A 1870
DRAINAGE AREA.--About 3,369 mi <sup>2</sup> (8,726 km <sup>2</sup> ), of which about 2,658 mi <sup>2</sup> (6,884 km <sup>2</sup> ) is probably noncontributing.					
07303400 ELM FORK OF NORTH FORK RED RIVER NEAR CARL, OKLA.					
LOCATION.--Lat 35°00'42", long 99°54'12", in SW 1/4 NW 1/4 sec.12, T.6 N., R.26 W., Harmon County, Hydrologic Unit 11120304, near left bank on downstream side of pier of bridge on State Highway 30, 4.0 mi (6.4 km) northeast of Carl, and at mile 54.0 (86.9 km).	78-09-19		3.6	40	0.39
DRAINAGE AREA.--416 mi <sup>2</sup> (1,077 km <sup>2</sup> ).					

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## RED RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
07311200 BLUE BEAVER CREEK NEAR CACHE, OKLA.  LOCATION.--Lat 34°37'24", long 98°33'48", in NE 1/4 NE 1/4 sec.28, T.2 N., R.13 W., Comanche County, Hydrologic Unit 11030203, on downstream side of right bank pier of bridge on U.S. Highway 62, 3,000 ft upstream from St. Louis-San Francisco railway bridge, 4 mi (east of Cache, and at mile 12 (19.2 km).  DRAINAGE AREA.--24.6 mi <sup>2</sup> (63.7 km <sup>2</sup> ).	73-11-19	1400	1.4	18	0.07
07313500 BEAVER CREEK NEAR WAURIKA, OKLA.  LOCATION.--Lat 34°13'00", long 98°02'57", on north line of NW 1/4 NW 1/4 sec.16, T.4 S., R.8 W., Jefferson County, Hydrologic Unit 11130208, on left bank on downstream side of bridge on State Highway 5, 4.5 mi (7.2 km) northwest of Waurika, 6.2 mi (10.0 km) upstream from Cow Creek, and at mile 25.8 (45.1 km).  DRAINAGE AREA.--563 mi <sup>2</sup> (1,458 km <sup>2</sup> ).	57-04-24 57-05-04 57-05-04 57-05-26 60-10-18 61-06-06 61-09-14 61-09-14 62-06-10 62-06-11 78-03-29 78-04-20	1600 1300 1835 1005 0900 1715 1200 1610 1955 1140 0915 0830	3540 2410 5850 19300 134 847 1430 1340 18700 7500 0.10 1.0	940 893 630 1070 2290 1220 1070 958 975 560 160 220	8980 5810 9950 55800 829 2790 4130 3470 49200 11300 0.04 0.59
07324400 WASHITA RIVER NEAR FOSS, OKLA.  LOCATION.--Lat 34°32'20", long 99°10'10", in SW 1/4 SW 1/4 sec.1, T.12 N., R.19 W., Custer County, Hydrologic Unit 11130302, on left bank on downstream side of pile bent of county road bridge, 0.4 mi (0.6 km) downstream from Oak Creek, 0.9 mi (1.4 km) downstream from Foss Dam, 2.5 mi (4.0 km) west of Stafford, 6.0 mi (9.7 km) north of Foss, and at mile 473.5 (761.9 km).  DRAINAGE AREA.--1,511 mi <sup>2</sup> (4,017 km <sup>2</sup> ).	56-05-11 56-05-26 56-07-11 56-07-13 56-07-19 56-10-16 57-04-05 57-04-19	1235 1100 1115 1800 1530 1100 1700 1300	17 353 1230 60 210 255 90 3550	394 14600 23900 8330 18200 11500 9200 14300	18 13900 79400 1350 10300 7920 2240 137000
07329900 ROCK CREEK AT DOUGHERTY, OKLA.  LOCATION.--Lat 34°23'50", long 97°02'10", in NW 1/4 SW 1/4 sec.7, T.2 S., R.3 E., Murray County, Hydrologic Unit 11130303, on downstream side of bridge on State Highway 7-C, 1.0 mi (1.6 km) east of Dougherty, and at mile 1.0 (1.6 km).  DRAINAGE AREA.--138 mi <sup>2</sup> (357 km <sup>2</sup> ).	60-10-18 60-11-18 61-10-10 61-10-11 61-11-02 61-11-30 61-12-20 62-03-06 62-03-26 62-04-30 62-05-14 62-06-01 62-06-12 62-06-18 62-07-11	1430 1430 1480 248 26 35 50 296 296 63 18 1145 1330 67 21	564 564 1480 248 26 35 50 296 296 158 15 1240 263 67 21	7660 7660 1920 332 27 111 178 1790 1790 158 15 4060 382 21 16	11700 11700 7670 222 1.9 10 24 1430 1430 27 0.73 13600 271 3.8 0.91
07331290 WASHITA RIVER NEAR TISHOMINGO, OKLA.  LOCATION.--Lat 34°13'09", long 96°42'05", in SW 1/4 sec.8, T.4 S., R.6 E., Johnston County, Hydrologic Unit 11130304, at Oklahoma State Highway 99 bridge, 1.0 mi (1.6 km) south and 1.5 mi (2.4 km) west of Tishomingo, and at mile 29.8 (47.7 km).  DRAINAGE AREA.--7,524 mi <sup>2</sup> (19,487 km <sup>2</sup> ).	53-07-21 53-07-22 54-05-14 55-05-21 55-05-22 55-05-23	1145 0735 1715 1440 1505 1145	18200 10200 17000 20000 21900 17800	10600 7100 6350 13700 12800 13300	A 521000 A 196000 A 291000 A 740000 A 757000 A 639000
07334500 CLEAR BOGGY CREEK NEAR WAPANUCKA, OKLA.  LOCATION.--Lat 34°22', long 96°19', in NE 1/4 sec.23, T.2 S., R.9 E., Johnston County, Hydrologic Unit 11140104, at bridge on State Highway 61, 4.0 mi (6.4 km) downstream from Delaware Creek, 6.0 mi (9.6 km) east of Wapunucka, and 11 mi (17.6 km) west of Atoka.  DRAINAGE AREA.--520 mi <sup>2</sup> (1,347 km <sup>2</sup> ).	40-06-11 40-12-16 41-01-07 41-04-24 42-06-16 42-06-23 42-07-02 42-08-10 42-08-25 42-09-09	2680 2480 1200 1190 1400 7200 362 54 162 1630	1200 700 400 400 2200 500 1400 200 500 900	A A A A A A A A A A	8680 4690 1300 1290 8320 9720 1370 29 219 3960

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## RED RIVER BASIN

STATION DESCRIPTION	DATE	TIME	DISCHARGE (CFS)	SUSPENDED SEDIMENT CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
0733675D LITTLE PINE CREEK NEAR KANAWHA, TEX.					
LOCATION.--Lat 33°50'26", long 95°15'55" Red River County, Hydrologic Unit 11140106, on right bank at downstream side of bridge on Farm Road 410, 1.6 mi (2.6 km) south of Kanawha, 1.8 mi (2.9 km) upstream from Tanyard Creek, and about 4.0 mi (6.0 km) upstream from Big Pine Creek.	78-04-18	1535	3.0	50	A 0.41
	78-05-03	1220	41	80	A 8.9
	78-05-24	1255	30	90	A 7.3
	78-06-12	1420	4.0	150	A 1.6
	79-11-14	1025	0.52	26	A 0.04
	79-12-18	1015	1.2	58	A 0.19
	80-01-29	1035	8.4	16	A 0.36
	80-03-11	1015	3.5	9	A 0.08
DRAINAGE AREA.--75.4 mi <sup>2</sup> (195.3 km <sup>2</sup> ).	80-04-15	1130	538	46	67
	80-05-20	1015	4.1	51	0.57
	80-07-08	1015	0.11	27	0.01
0734000D LITTLE RIVER NEAR HORATIO, ARK.					
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 (1.4 km) downstream from Rolling Fork, 2.0 mi (3.2 km) southwest of Horatio, 28.5 mi (45.9 km) upstream from Cossatot River, and at mile 72.0 (115.8 km).	78-04-06	1145	4450	20	A 240
	78-05-11	1520	12100	20	A 653
	78-06-15	1200	2210	20	A 119
	78-09-08	1155	303	20	A 16
	78-10-20	1345	262	10	A 7.1
	78-11-30	0900	2390	10	A 65
DRAINAGE AREA.--2,662 mi <sup>2</sup> (6,895 km <sup>2</sup> ).					
0734050D COSSATOT RIVER NEAR DEQUEEN, ARK.					
LOCATION.--Lat 34°02'45", long 94°12'42", in NE 1/4 NE 1/4 sec.29, T.8 S., R.30 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on U.S. Highway 71, just downstream from Hale Creek, 7.0 mi (11.3 km) east of DeQueen, and at mile 33.5 (53.9 km).	38-07-01		82	200	A 44
	39-05-19		3322	200	A 1790
	39-08-18		43	100	A 12
	47-12-09		2620	100	A 707
	47-12-16		5630	100	A 1520
DRAINAGE AREA.--360 mi <sup>2</sup> (932 km <sup>2</sup> ).					
0734059S LITTLE RIVER NEAR WILTON, ARK.					
LOCATION.--Lat 33°46'58", long 94°08'42", in NW 1/4 NW 1/4 sec.30, T.11 S., R.30 W., Little River County, Hydrologic Unit 11140109, at U.S. Highway 71 bridge, 3.0 mi (4.8 km) north of Wilton, and 0.1 mi (0.2 km) downstream from Cossatot River and at mile 43.4 (69.4 km).	30-09-07		10.0	100	A 2.7
	30-09-10		49	100	A 13
	30-09-17		19	100	A 5.1
	30-09-20		14	100	A 3.8
	30-09-27		12	100	A 3.2
	30-10-01		28	100	A 7.6
	30-10-04		9.0	100	A 2.4
DRAINAGE AREA.--3,442 mi <sup>2</sup> (8,915 km <sup>2</sup> ).	30-10-11		2240	100	A 605
	30-10-12		1540	300	A 1250
	30-10-13		26	100	A 7.0
	30-10-15		680	300	A 551
	30-10-22		185	100	A 50
	30-10-25		209	100	A 56
	30-10-29		173	100	A 47
	30-11-01		124	100	A 33
0734100D SALINE RIVER NEAR DIERKS, ARK.					
LOCATION.--Lat 34°05'45", long 94°05'04", in NW 1/4 SW 1/4 sec.3, T.8 S., R.29 W., Howard County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on U.S. Highway 70, 3.5 mi (5.6 km) upstream from Holly Creek, 4.0 mi (6.4 km) southwest of Dierks, and at mile 50.7 (81.6 km).	38-07-01		21	200	A 11
	39-05-19		2600	400	A 2810
	39-08-11		33	200	A 18
	40-04-24		174	900	A 423
	44-02-09		1360	100	A 367
	44-03-16		3290	300	A 2660
	44-05-02		10420	200	A 5630
DRAINAGE AREA.--121 mi <sup>2</sup> (313 km <sup>2</sup> ).	47-03-30		23200	200	A 12500
	47-04-30		2680	300	A 2170

\* = MEAN DAILY DISCHARGE

A = ANALYZED BY U.S. ARMY CORPS OF ENGINEERS

Table 2.--List of stations in downstream order

Station Number	Station name	Page
07140000	Arkansas River near Kinsley, Kans. ....	25
07142300	Rattlesnake Creek near Macksville, Kans. ....	27
07142860	Cow Creek near Claflin, Kans. ....	781
07142900	Blood Creek near Boyd, Kans. ....	781
07143300	Cow Creek near Lyons, Kans. ....	29
07143330	Arkansas River near Hutchinson, Kans. ....	33
07143665	Little Arkansas River at Alta Mills, Kans. ....	36
07144200	Little Arkansas River at Valley Center, Kans. ....	38
07144780	North Fork Ninnescah River above Cheney Reservoir, Kans. ..	41
07144850	South Fork South Fork Ninnescah River near Pratt, Kans. ...	781
07145200	South Fork Ninnescah River near Murdock, Kans. ....	44
07145500	Ninnescah River near Peck, Kans. ....	47
07145700	Slate Creek at Wellington, Kans. ....	781
07146500	Arkansas River at Arkansas City, Kans. ....	50
07146570	Cole Creek near Degraff, Kans. ....	53
07147070	Whitewater River at Towanda, Kans. ....	55
07147800	Walnut River at Winfield, Kans. ....	58
07148140	Arkansas River near Ponca City, Okla. ....	781
07148400	Salt Fork Arkansas River near Alva, Okla. ....	61
07148450	Salt Fork Arkansas River near Ingersoll, Okla. ....	782
07149000	Medicine Lodge River near Kiowa, Kans. ....	64
07149500	Salt Fork Arkansas River near Cherokee, Okla. ....	67
07149704	Cottonwood Canyon Creek near Cherokee, Okla. ....	782
07150000	Great Salt Plains Lake near Jet, Okla. ....	70
07150500	Salt Fork Arkansas River near Jet, Okla. ....	73
07151000	Salt Fork Arkansas River at Tonkawa, Okla. ....	78
07152000	Chikaskia River near Blackwell, Okla. ....	80
07152500	Arkansas River at Ralston, Okla. ....	82
07153000	Black Bear Creek at Pawnee, Okla. ....	89
07154500	Cimarron River near Kenton, Okla. ....	782
07155000	Cimarron River above Ute Creek near Boise City, Okla. ....	92
07156010	North Fork Cimarron River at Richfield, Kans. ....	782
07156220	Bear Creek near Johnson, Kans. ....	782
07156750	Cimarron River near Liberal, Kans. ....	94
07157000	Cimarron River near Mocane, Okla. ....	96
07157500	Crooked Creek near Nye, Kans. ....	99
07157580	Cimarron River near Englewood, Kans. ....	101
07157900	Cavalry Creek at Coldwater, Kans. ....	103
07157950	Cimarron River near Buffalo, Okla. ....	105
07157960	Buffalo Creek near Lovedale, Okla. ....	782

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Station Number	Station Name	Page
07157980	Cimarron River near Freedom, Okla. ....	783
07158000	Cimarron River near Waynoka, Okla. ....	107
07158400	Salt Creek near Okeene, Okla. ....	783
07159750	Cottonwood Creek at Seward, Okla. ....	111
07160000	Cimarron River near Guthrie, Okla. ....	113
07161000	Cimarron River at Perkins, Okla. ....	118
07163500	Cimarron River at Oilton, Okla. ....	783
07164000	Cimarron River at Mannford, Okla. ....	123
07164200	Keystone Lake near Sand Springs, Okla. ....	128
07164400	Arkansas River at Sand Springs Bridge near Tulsa, Okla. ...	131
07164500	Arkansas River at Tulsa, Okla. ....	133
07165500	Polecat Creek below Heyburn Reservoir near Heyburn, Okla. .	145
07165570	Arkansas River near Haskell, Okla. ....	148
07165600	Arkansas River near Tullahassee, Okla. ....	151
07165700	Verdigris River near Madison, Kans. ....	153
07165900	Toronto Lake near Toronto, Kans. ....	158
07166000	Verdigris River near Coyville, Kans. ....	163
07166500	Verdigris River near Altoona, Kans. ....	168
07167000	Fall River near Eureka, Kans. ....	172
07167500	Otter Creek at Climax, Kans. ....	175
07168000	Fall River Lake near Fall River, Kans. ....	178
07168500	Fall River near Fall River, Kans. ....	182
07169500	Fall River at Fredonia, Kans. ....	185
07169800	Elk River at Elk Falls, Kans. ....	187
07170000	Elk River near Elk City, Kans. ....	189
07170050	Elk City Lake near Independence, Kans. ....	192
07170500	Verdigris River at Independence, Kans. ....	783
07170700	Big Hill Creek near Cherryvale, Kans. ....	197
07171000	Verdigris River near Lenapah, Okla. ....	202
07171105	East Fork Big Creek near Hollow, Okla. ....	783
07171400	Verdigris River near Oologah, Okla. ....	207
07171405	Verdigris River above Caney River near Claremore, Okla. ...	783
07171490	Sweetwater Creek near Claremore, Okla. ....	784
07171500	Verdigris River near Sageeyah, Okla. ....	211
07172000	Caney River near Elgin, Kans. ....	214
07173000	Caney River near Hulah, Okla. ....	217
07174200	Little Caney River below Cotton Creek near Copan, Okla. ...	221
07174500	Caney River at Bartlesville, Okla. ....	225
07174600	Sand Creek at Okesa, Okla. ....	227
07175500	Caney River near Ramona, Okla. ....	230

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07176000	Verdigris River near Claremore, Okla. ....	784
07176320	Bird Creek at Pawhuska, Okla. ....	784
07176455	Birch Creek near Barnsdall, Okla. ....	784
07176500	Bird Creek at Avant, Okla. ....	232
07176800	Candy Creek near Wolco, Okla. ....	784
07177000	Hominy Creek near Skiatook, Okla. ....	235
07177500	Bird Creek near Sperry, Okla. ....	784
07178040	Mingo Creek at Tulsa, Okla. ....	785
07178620	Verdigris River near Inola, Okla. ....	238
07179400	Council Grove Lake near Council Grove, Kans. ....	243
07179500	Neosho River at Council Grove, Kans. ....	245
07179730	Neosho River near Americus, Kans. ....	248
07179795	Cottonwood River below Marion Lake, Kans. ....	251
07180400	Cottonwood River near Florence, Kans. ....	254
07180500	Cedar Creek near Cedar Point, Kans. ....	256
07181500	Middle Creek near Elmdale, Kans. ....	259
07182250	Cottonwood River near Plymouth, Kans. ....	261
07182260	Cottonwood River at Emporia, Kans. ....	785
07182390	Neosho River at Neosho Rapids, Kans. ....	785
07182400	Neosho River at Strawn, Kans. ....	264
07182450	John Redmond Reservoir near Burlington, Kans. ....	266
07182510	Neosho River at Burlington, Kans. ....	271
07183000	Neosho River near Iola, Kans. ....	274
07183200	Neosho River near Chanute, Kans. ....	785
07183400	Flat Rock Creek near St. Paul, Kans. ....	276
07183500	Neosho River near Parsons, Kans. ....	278
07183800	Limestone Creek near Beulah, Kans. ....	785
07184000	Lightning Creek near McCune, Kans. ....	280
07184060	Deer Creek near West Mineral, Kans. ....	785
07184070	Deer Creek near Hallowell, Kans. ....	786
07184080	Deer Creek near Oswego, Kans. ....	786
07184100	Lightning Creek near Oswego, Kans. ....	786
07184220	Cherry Creek near West Mineral, Kans. ....	282
07184240	Little Cherry Creek near West Mineral, Kans. ....	786
07184300	Cherry Creek near Hallowell, Kans. ....	284
07184500	Labette Creek near Oswego, Kans. ....	286
07184590	Neosho River at Chetopa, Kans. ....	786
07184600	Fly Creek near Faulkner, Kans. ....	786
07185000	Neosho River near Commerce, Okla. ....	288
07186010	Second Cow Creek at Pittsburg, Kans. ....	290

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07186020	First Cow Creek at Frontenac, Kans. ....	787
07186025	East Cow Creek at Frontenac, Kans. ....	787
07186030	East Cow Creek near Pittsburg, Kans. ....	787
07186040	Cow Creek near Weir, Kans. ....	292
07186050	Brush Creek near Weir, Kans. ....	787
07188000	Spring River near Quapaw, Okla. ....	294
07189000	Elk River near Tiff City, Mo. ....	296
07190500	Neosho River near Langley, Okla. ....	787
07190595	Big Cabin Creek near Welch, Okla. ....	787
07190597	Big Cabin Creek Tributary near Welch, Okla. ....	788
07190620	West Fork Big Cabin Creek near Centralia, Okla. ....	788
07190625	Middle Fork Big Cabin Creek near Pyramid Corners, Okla. ...	788
07191000	Big Cabin Creek near Big Cabin, Okla. ....	788
07191500	Neosho River near Chouteau, Okla. ....	298
07192000	Pryor Creek near Pryor, Okla. ....	788
07192500	Neosho River near Wagoner, Okla. ....	300
07193500	Neosho River below Fort Gibson Lake near Fort Gibson, Okla.	303
07194500	Arkansas River near Muskogee, Okla. ....	305
07195500	Illinois River near Watts, Okla. ....	788
07196500	Illinois River near Tahlequah, Okla. ....	312
07198000	Illinois River near Gore, Okla. ....	314
07198500	Dirty Creek near Warner, Okla. ....	316
07227500	Canadian River near Amarillo, Tex. ....	318
07228000	Canadian River near Canadian, Tex. ....	322
07228250	Canadian River near Taloga, Okla. ....	326
07228500	Canadian River at Bridgeport, Okla. ....	329
07229000	Canadian River near Newcastle, Okla. ....	334
07229100	Canadian River near Noble, Okla. ....	337
07229500	Little River near Norman, Okla. ....	789
07230000	Little River below Lake Thunderbird near Norman, Okla. ....	341
07230500	Little River near Tecumseh, Okla. ....	348
07231000	Little River near Sasakwa, Okla. ....	352
07231500	Canadian River at Calvin, Okla. ....	356
07231975	Brushy Creek near Haileyville, Okla. ....	368
07231990	Peaceable Creek near Haileyville, Okla. ....	372
07232000	Gaines Creek near Krebs, Okla. ....	374
07232008	Blue Creek Tributary near Blocker, Okla. ....	789
07232010	Blue Creek near Blocker, Okla. ....	376
07232024	Deer Creek near McAlester, Okla. ....	378
07232029	Mathuldy Creek near Crowder, Okla. ....	381



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07232500	Beaver River near Guymon, Okla. ....	383
07233000	Coldwater Creek near Hardesty, Okla. ....	387
07233210	Beaver River near Hardesty, Okla. ....	390
07234000	Beaver River at Beaver, Okla. ....	392
07234500	Beaver River near Fort Supply, Okla. ....	396
07235000	Wolf Creek at Lipscomb, Tex. ....	399
07235500	Wolf Creek near Shattuck, Okla. ....	401
07236000	Wolf Creek near Fargo, Okla. ....	404
07236500	Fort Supply Lake near Fort Supply, Okla. ....	410
07237000	Wolf Creek near Fort Supply, Okla. ....	413
07237500	North Canadian River at Woodward, Okla. ....	418
07238000	North Canadian River near Seiling, Okla. ....	423
07238500	Canton Lake near Canton, Okla. ....	428
07239000	North Canadian River at Canton, Okla. ....	431
07239200	North Canadian River near Watonga, Okla. ....	443
07239500	North Canadian River near El Reno, Okla. ....	445
07241000	North Canadian River below Lake Overholser near Oklahoma City, Okla. ....	789
07241500	North Canadian River near Oklahoma City, Okla. ....	449
07242000	North Canadian River near Wetumka, Okla. ....	452
07242350	Deep Fork near Arcadia, Okla. ....	789
07243000	Dry Creek near Kendrick, Okla. ....	461
07243500	Deep Fork near Beggs, Okla. ....	463
07244000	Deep Fork near Dewar, Okla. ....	466
07245000	Canadian River near Whitefield, Okla. ....	470
07245020	Taloka Creek at Stigler, Okla. ....	789
07245025	Taloka Creek Tributary near Stigler, Okla. ....	790
07245030	Taloka Creek near Stigler, Okla. ....	483
07245040	Jackson Creek near Stigler, Okla. ....	790
07246000	Sans Bois Creek near Keota, Okla. ....	485
07246500	Arkansas River near Sallisaw, Okla. ....	487
07246615	Coal Creek near Spiro, Okla. ....	497
07247000	Poteau River at Cauthron, Ark. ....	500
07247450	Fourche Maline near Wilburton, Okla. ....	502
07247500	Fourche Maline near Red Oak, Okla. ....	504
07247550	Red Oak Creek near Red Oak, Okla. ....	506
07248500	Poteau River near Wister, Okla. ....	508
07248600	Caston Creek at Wister, Okla. ....	510
07248620	Morris Creek at Howe, Okla. ....	513
07248700	Sugarloaf Creek near Monroe, Okla. ....	515
07249000	Poteau River at Poteau, Okla. ....	790

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Station Number	Station Name	Page
07249060	Brazil Creek near Red Oak, Okla. ....	517
07249070	Rock Creek near Red Oak, Okla. ....	519
07249073	Brazil Creek near Lodi, Okla. ....	790
07249080	Brazil Creek near Walls, Okla. ....	521
07249100	Owl Creek near McCurtain, Okla. ....	523
07249400	James Fork near Hackett, Ark. ....	525
07249410	James Fork near Williams, Okla. ....	527
07249415	Coal Creek Tributary near Bokoshe, Okla. ....	529
07249419	Coal Creek near Panama, Okla. ....	531
07249422	Holi-Tuska Creek near Panama, Okla. ....	533
07250500	Arkansas River at Van Buren, Ark. ....	535
07250550	Arkansas River at Dam No. 13, near Van Buren, Ark. ....	543
07297500	Prairie Dog Town Fork Red River near Canyon, Tex. ....	790
07298500	Prairie Dog Town Fork Red River near Brice, Tex. ....	545
07299500	Prairie Dog Town Fork Red River near Estelline, Tex. ....	547
07299570	Red River near Quanah, Tex. ....	550
07300500	Salt Fork Red River at Mangum, Okla. ....	552
07301110	Salt Fork Red River near Elmer, Okla. ....	556
07302000	North Fork Red River near Granite, Okla. ....	558
07303400	Elm Fork of North Fork Red River near Carl, Okla. ....	790
07303500	Elm Fork of North Fork Red River near Mangum, Okla. ....	560
07304500	Elk Creek near Hobart, Okla. ....	563
07305000	North Fork Red River near Headrick, Okla. ....	572
07307948	Pease River above Canal Creek near Crowell, Tex. ....	574
07308500	Red River near Burkburnett, Tex. ....	580
07311000	East Cache Creek near Walters, Okla. ....	582
07311200	Blue Beaver Creek near Cache, Okla. ....	791
07312500	Wichita River at Wichita Falls, Tex. ....	584
07313500	Beaver Creek near Waurika, Okla. ....	791
07314500	Little Wichita River near Archer City, Tex. ....	586
07315500	Red River near Terral, Okla. ....	588
07316000	Red River near Gainesville, Tex. ....	591
07316500	Washita River near Cheyenne, Okla. ....	601
07324400	Washita River near Foss, Okla. ....	791
07324500	Barnitz Creek near Arapaho, Okla. ....	603
07325000	Washita River near Clinton, Okla. ....	606
07325500	Washita River near Carnegie, Okla. ....	608
07326000	Cobb Creek near Fort Cobb, Okla. ....	610
07326500	Washita River at Anadarko, Okla. ....	612
07327000	Sugar Creek near Gracemont, Okla. ....	623

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07327040	Delaware Creek near Anadarko, Okla. ....	630
07327150	Salt Creek near Chickasha, Okla. ....	637
07327440	East Bitter Creek near Tabler, Okla. ....	644
07327490	Little Washita River near Ninnekah, Okla. ....	654
07328000	Washita River near Tabler, Okla. ....	665
07328100	Washita River at Alex, Okla. ....	667
07328500	Washita River near Pauls Valley, Okla. ....	686
07329000	Rush Creek at Purdy, Okla. ....	690
07329500	Rush Creek near Maysville, Okla. ....	693
07329900	Rock Creek near Dougherty, Okla. ....	791
07330500	Caddo Creek near Ardmore, Okla. ....	696
07331000	Washita River near Dickson, Okla. ....	698
07331290	Washita River near Tishomingo, Okla. ....	791
07331600	Red River at Denison Dam near Denison, Tex. ....	708
07332000	Red River near Colbert, Okla. ....	711
07332500	Blue River near Blue, Okla. ....	716
07332900	Coal Creek near Lehigh, Okla. ....	720
07332950	Muddy Boggy Creek at Atoka, Okla. ....	724
07333910	McGee Creek near Farris, Okla. ....	728
07334000	Muddy Boggy Creek near Farris, Okla. ....	730
07334500	Clear Boggy Creek near Wapanucka, Okla. ....	791
07335000	Clear Boggy Creek near Caney, Okla. ....	735
07335400	Sanders Creek near Chicota, Tex. ....	740
07335500	Red River at Arthur City, Tex. ....	742
07335700	Kiamichi River near Big Cedar, Okla. ....	751
07336200	Kiamichi River near Antlers, Okla. ....	753
07336500	Kiamichi River near Belzoni, Okla. ....	755
07336750	Little Pine Creek near Kanawha, Tex. ....	792
07336820	Red River near De Kalb, Tex. ....	759
07337000	Red River at Index, Ark. ....	761
07337500	Little River near Wright City, Okla. ....	765
07337900	Glover Creek near Glover, Okla. ....	768
07338500	Little River below Lukfata Creek near Idabel, Okla. ....	771
07339000	Mountain Fork near Eagletown, Okla. ....	775
07340000	Little River near Horatio, Ark. ....	792
07340500	Cossatot River near Dequeen, Ark. ....	792
07340595	Little River near Wilton, Ark. ....	792
07341000	Saline River near Dierks, Ark. ....	792
07341500	Red River at Fulton, Ark. ....	778