

LOW-FLOW CHARACTERISTICS OF OKLAHOMA STREAMS

U. S. GEOLOGICAL SURVEY
Open-File Report 78-166



Prepared in cooperation with the
OKLAHOMA WATER RESOURCES BOARD



UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

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OF OKLAHOMA STREAMS**

By Thomas L. Huntzinger

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Readers preferring metric units to U.S. customary units are provided the following conversion table.

<u>Multiply U.S. customary unit</u>	<u>By</u>	<u>To obtain metric unit</u>
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi ²)	2.590	square kilometer (km ²)
cubic foot per second (ft ³ /s)	0.0283	cubic meter per second (m ³ /s)

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ABSTRACT

Analysis of streamflow records in Oklahoma has provided information on the low-flow characteristics of selected streams in Oklahoma. The 2-, 10- and 20-year low-flow frequency for 1-, 7-, 14- and 30-day durations have been determined for 143 continuous record stations, 46 partial record, and 56 miscellaneous sites in Oklahoma. Low-flows of small uncontrolled streams are zero for the State except for northeastern and south-central Oklahoma.

INTRODUCTION

The water resource plays a vital role in the economic welfare of the State of Oklahoma and the personal lives of its people. The dependence upon water for daily functions has created an urgent need for investigating the availability and extent of water resources in Oklahoma. One of many particular water-resource investigations that has been needed is an analysis of low-flow characteristics of streams in the State. Design of storage and treatment facilities and planning for industrial, residential, and recreational development require knowledge about water supply and water quality of streams involved.

Low-flow characteristics have been developed for those streamflow sites with sufficient data for analysis. Many streams have only short-term records or instantaneous discharge measurements made during low-flow periods. The low-flow data for these sites with little or no continuous record has been compiled and related to nearby continuous-record sites to estimate low-flow characteristics.

ACKNOWLEDGMENTS

The Geological Survey and other organizations have had cooperative agreements for the systematic collection of surface-water records in Oklahoma since 1935. Organizations that have assisted in collecting data with the Geological Survey are: Oklahoma Water Resources Board; Oklahoma City Water Department; Corps of Engineers, U.S. Army; Soil Conservation Service, U.S. Department of Agriculture; Bureau of Reclamation, U.S. Department of the Interior; Grand River Dam Authority; Central Oklahoma Master Conservancy District; Fort Cobb Reservoir Master Conservancy District; Lugert-Altus Irrigation District; Agricultural Research Service, U.S. Department of Agriculture; Cities of Ada, Altus, Lawton, Shawnee, and Tulsa.

DATA COMPILATION

Data from three types of streamflow sites were used in preparing this report: continuous-record sites, partial-record sites, and miscellaneous sites. A site where long-term daily discharge record is available is termed a continuous streamflow site. Records of this type were separated from the rest and analyzed on an individual basis. Sites where instantaneous low-flow discharge measurements were made on a regular basis specifically to obtain low-flow information are termed partial-record sites. Isolated instantaneous low-flow measurements which were not a part of the regular low-flow data program are designated as miscellaneous sites. The partial-record and miscellaneous low-flow data are included in Appendix I.

The locations of the sites where low-flow data were collected are shown in figure 1. Stations included in a continuing data collection program are referenced by their downstream order number, omitting the 2-digit prefix, as all gaging stations in Oklahoma have the lower Mississippi River basin prefix 07. This numbering system is compatible with U.S. Geological Survey published data reports. Miscellaneous sites are not in the official downstream order number system but are listed sequentially from 1 to 56. Figure 2 is a bar graph showing the type and period of record of each data collection site. The data collection sites are indexed both alphabetically by name and numerically by station number in Appendix II.

METHOD OF ANALYSIS

Analysis of streamflow data in this report generally follows established techniques in hydrology. The study involved defining low-flow frequency curves for continuous-record stations. The curves were based upon the probability of not exceeding a given discharge averaged over a certain period of time. Measurements at partial-record and miscellaneous sites were correlated with the daily mean discharge for the same day at a nearby continuous-record site. The miscellaneous or partial-record station discharge was then assigned the same frequency as the corresponding continuous-record station discharge.

Low-Flow Frequency

Low-flow frequency involves two principles, nonexceedance probability and flow duration. Nonexceedance probability is a measure of the likelihood that a given flow rate will not be exceeded. Flow duration is the period of time over which a flow rate is averaged.

Flow duration was computed in days. For example, if the daily average flow rate is used, the flow duration is one day; a weekly average is a 7-day duration. The lowest values obtained from a particular duration for each year is used as the data entry for that year. If the lowest average value is computed for each of a number of years, a probability of that value not being exceeded in any given year may be estimated.

Nonexceedance probability computation consists of first ranking the lowest annual data entries according to magnitude with the smallest as number one. Then the probability of nonexceedance of the magnitude of that data entry is equal to the rank M over the total number of data entries N plus one ($M/N+1$). The inverse of the computed probability is the recurrence interval in years. Recurrence interval is the average number of years between flow occurrences or flow frequency. A smooth curve through a plot of the relation between annual low flows of a given duration and their corresponding recurrence interval represents the low-flow frequency curve for that duration. A set of frequency curves for a number of durations describes the low-flow characteristics of the stream.

Figure 2.--Summary of streamflow records.

Note: Solid bars represent unregulated record, patterned bars represent regulated record and dotted bars represent miscellaneous measurements.

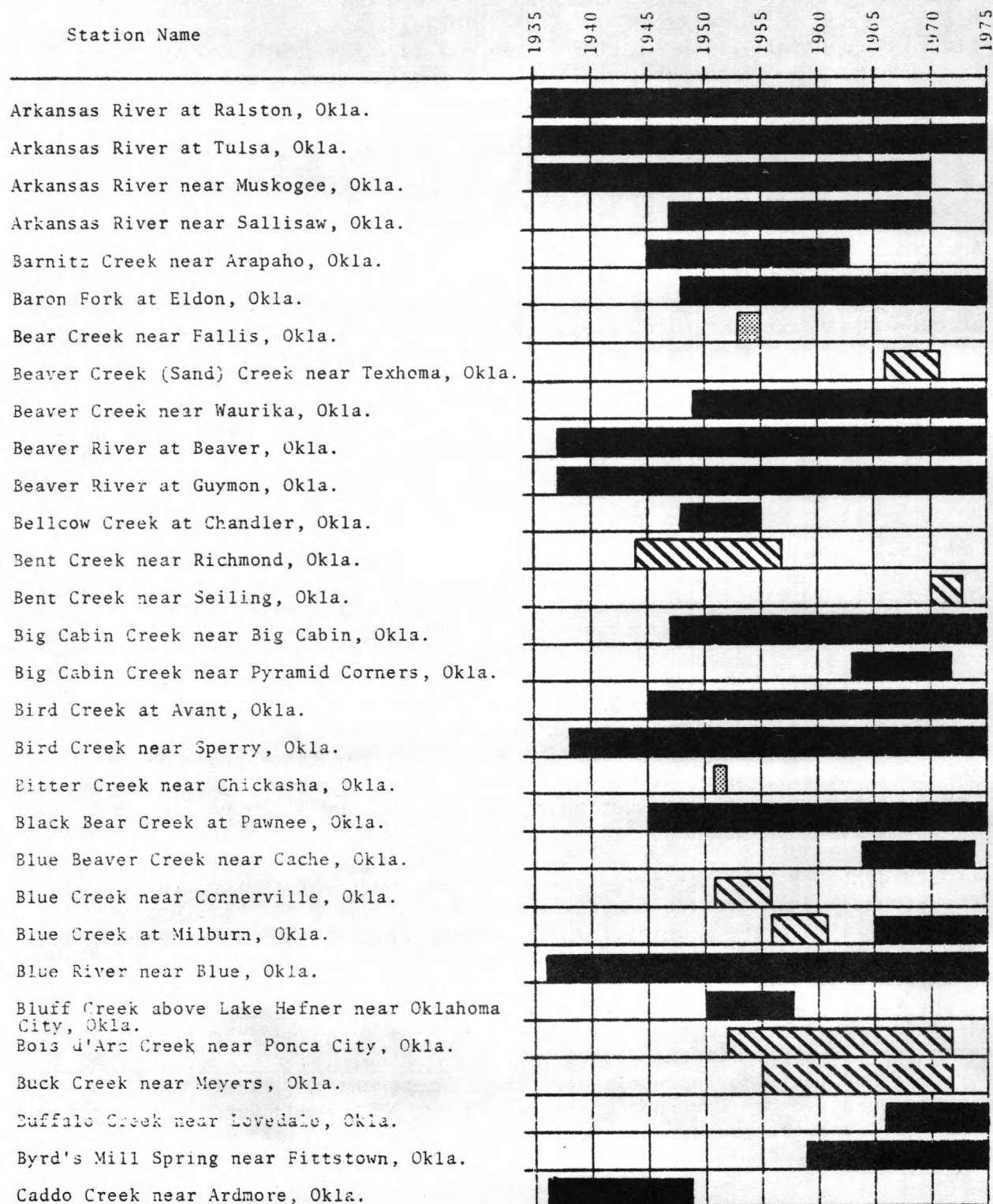


Figure 2.--Summary of streamflow records.--Continued

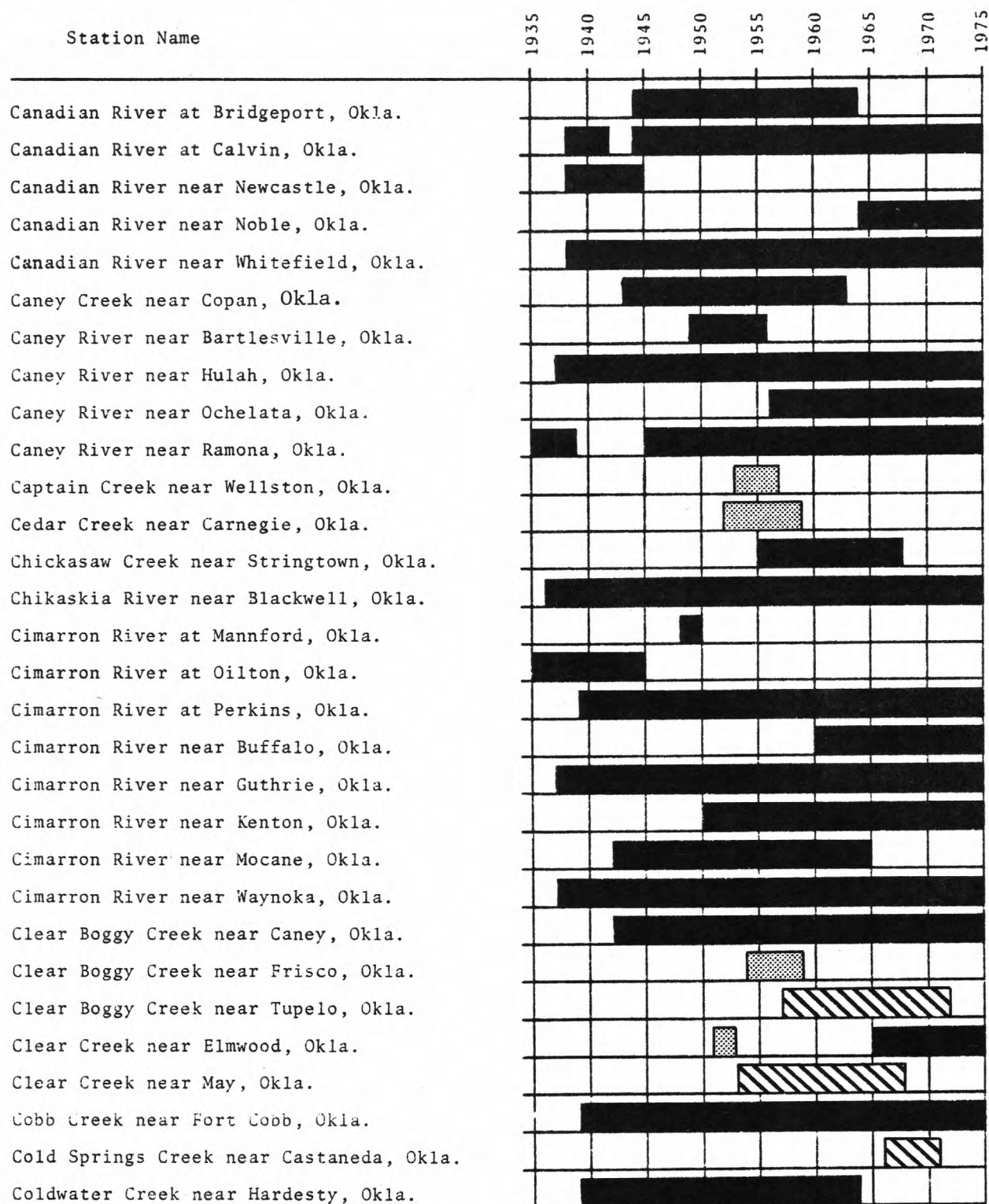


Figure 2.--Summary of streamflow records.--Continued

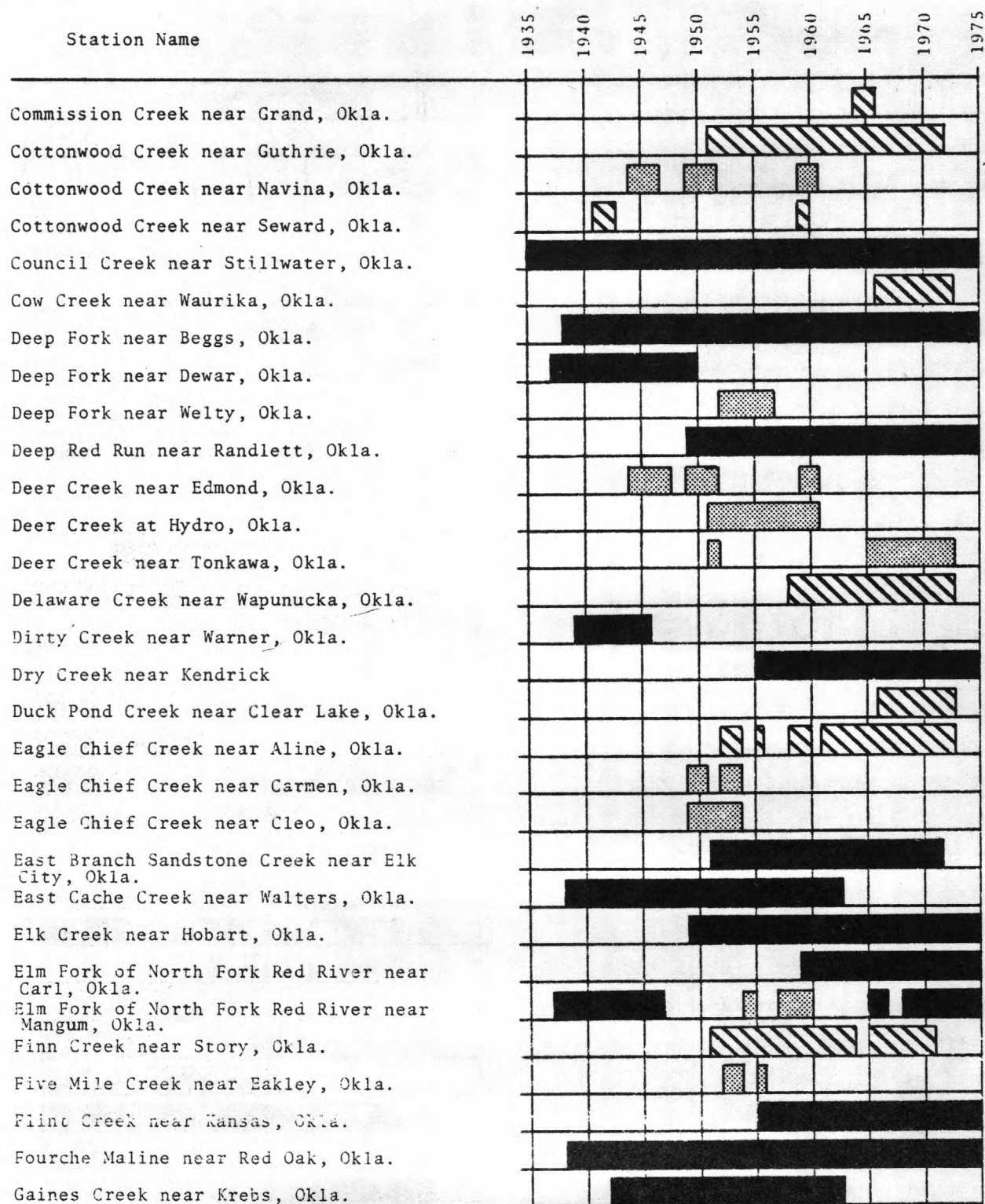


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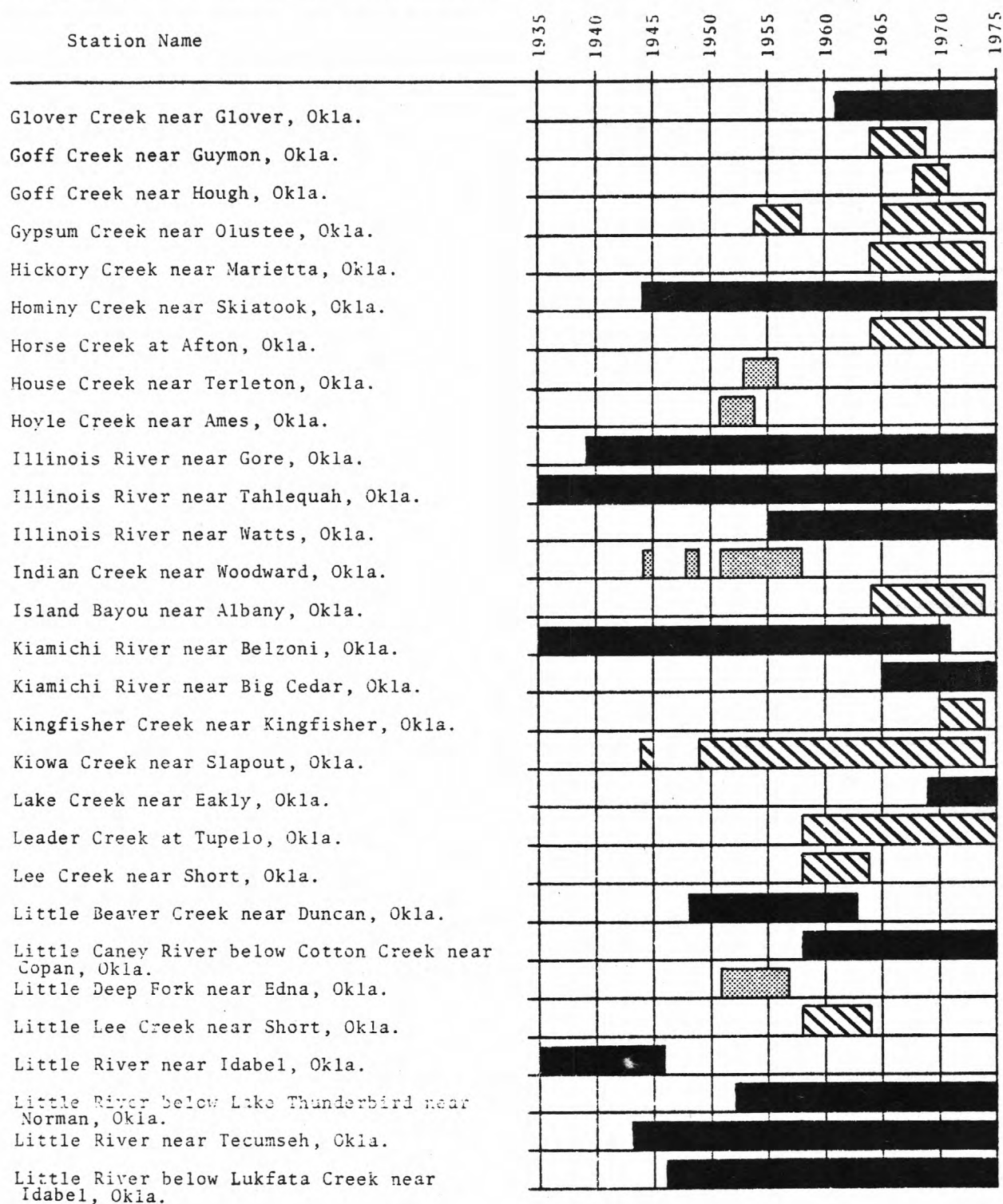


Figure 2.--Summary of streamflow records.--Continued

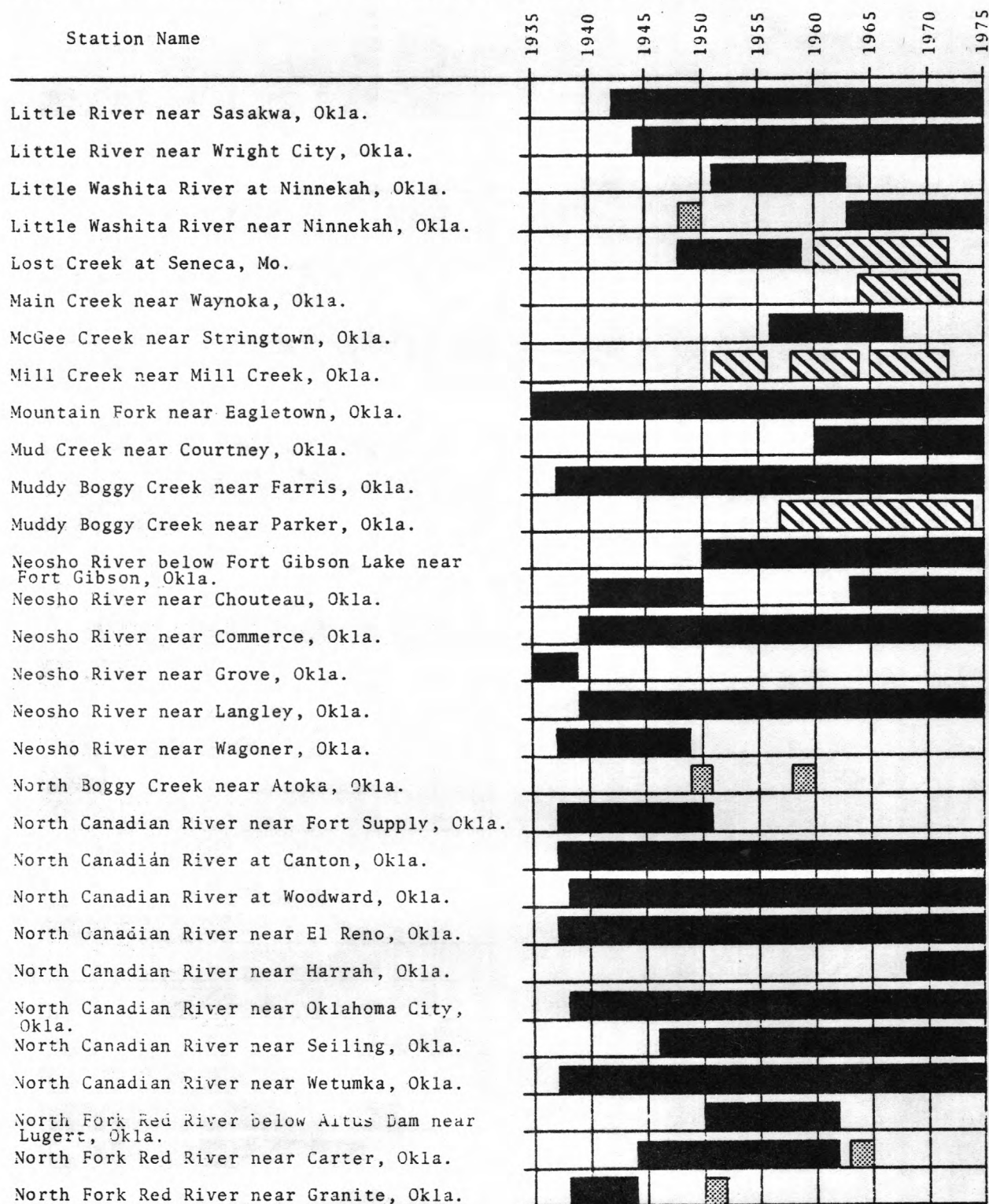


Figure 2.--Summary of streamflow records.--Continued

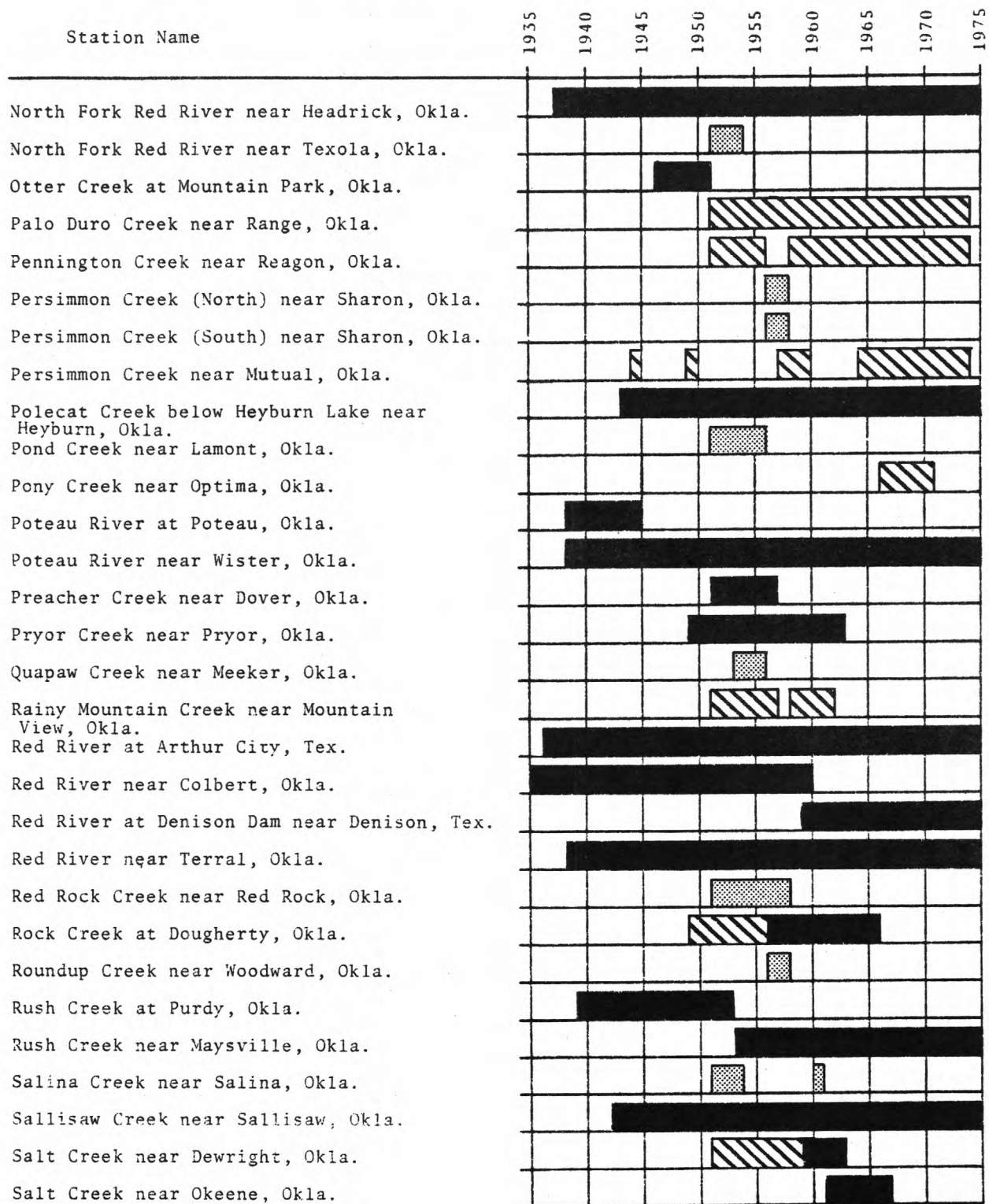


Figure 2.--Summary of streamflow records.--Continued

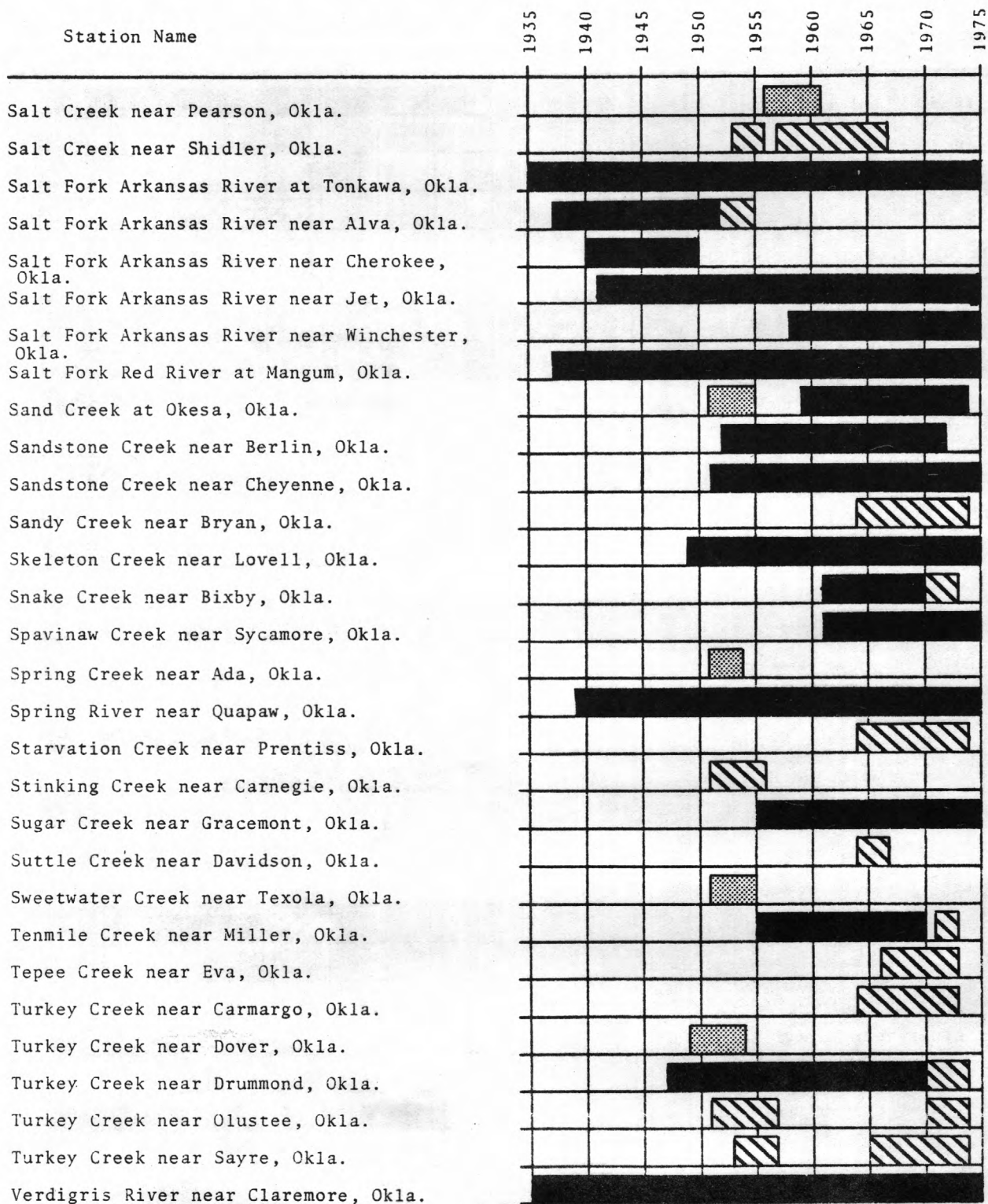
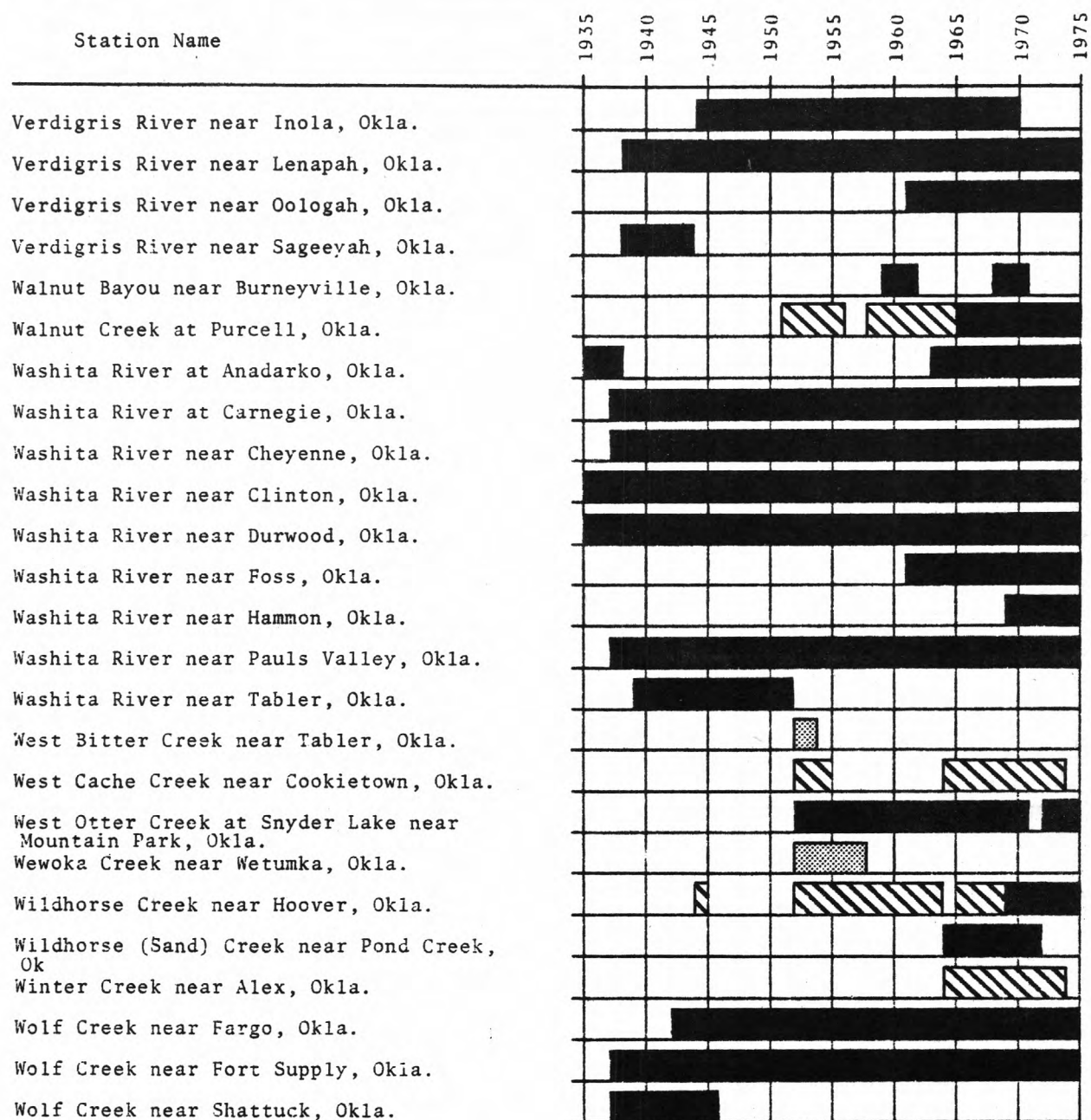


Figure 2.--Summary of streamflow records.--Continued



Computation of Low-Flow Characteristics at Continuous-Record Stations

Low-flow frequency curves were developed for sites where sufficient continuous streamflow record was available. Curves were developed for 1-day, 7-day, 14-day, and 30-day durations. The low-flow duration computation and annual ranking of the streamflow data was done for continuous records collected through 1974 in a previous study by Mize (1975). Ranked low-flow discharges from Mize's study were plotted against their recurrence intervals to obtain low-flow frequency curves. Discharges corresponding to the 2-year, 10-year and 20-year recurrence intervals were selected from the curves. These recurrence interval low flows at the 1-, 7-, 14-, and 30-day durations discussed above are published later in this report for all continuous record sites which have sufficient data to define the frequency curves adequately.

The frequency analysis for this study was done graphically. Theoretical methods of fitting data to predefined distributions are available and more convenient to use, but they may not fit low-flow data (Riggs, 1972). After several attempts at using theoretical distributions, it was apparent that graphical analysis was a more appropriate approach for Oklahoma streams.

Table 1 and figure 3 show an example of graphical frequency analysis for Clear Boggy Creek near Caney, Oklahoma.

Computation of Low-Flow Characteristics at Partial-Record and Miscellaneous Sites

Sites with insufficient data to develop low-flow frequency curves were related to continuous-record sites. The partial-record or miscellaneous site must have enough discharge measurements to establish a correlation between it and a continuous-record site. Oklahoma has comparatively few suitable continuous-record sites, resulting in many miscellaneous and partial-record sites being correlated to the same continuous-record site. Therefore, a select few continuous-record sites over the State were used as index stations for correlation with nearby partial-record and miscellaneous sites.

The index stations selected in this study were required to meet several criteria with respect to their geographic location and streamflow record. An index station must represent a specific area of the State with respect to topographic and geologic conditions that may have an effect on low flow and have no major regulation or other manmade changes in the drainage basin. Also, the index stations must have the same periods of record as the partial-record and miscellaneous sites. An attempt was made to use streams of relatively small drainage area to avoid incorporating many varied topographic and geologic factors into one record. The index sites must be less ephemeral than any partial record or miscellaneous site. With all these criteria taken into account, many continuous-record sites were eliminated as index stations. Where index stations did not have periods of record compatible with all partial-record and miscellaneous sites, more than one index station was used in the same general location.

Table 1.--Lowest mean discharge and ranking for Clear Boggy Creek near Caney, Okla

Rank	Non-exceedance probability	Recurrence interval	Lowest mean flow for given duration in ft ³ /s			
			1 day	7 day	14 day	30 day
1	0.031	32.00	0.00	0.00	0.00	0.00
2	.062	16.00	.0	.00	.00	.01
3	.093	10.67	.0	.00	.04	.56
4	.125	8.00	.39	.59	.89	1.04
5	.156	6.40	.40	.66	1.02	2.45
6	.187	5.33	.40	.90	1.16	2.57
7	.218	4.57	.80	1.00	1.31	4.73
8	.250	4.00	1.60	2.10	3.51	5.33
9	.281	3.56	3.80	4.89	7.39	8.28
10	.312	3.20	3.90	6.23	7.47	8.68
11	.343	2.91	5.70	6.43	7.6	10.10
12	.375	2.67	5.90	6.87	9.21	12.70
13	.406	2.46	6.60	8.24	9.54	12.80
14	.437	2.29	8.10	8.99	10.10	13.50
15	.468	2.13	8.80	9.34	10.90	13.80
16	.500	2.00	8.80	9.44	11.30	14.40
17	.531	1.88	9.00	9.93	12.10	16.10
18	.562	1.78	10.00	10.90	12.30	16.20
19	.593	1.68	10.00	11.70	13.10	16.40
20	.625	1.60	11.00	11.90	13.20	16.90
21	.656	1.52	11.00	12.00	13.40	22.30
22	.687	1.45	11.00	12.60	13.50	22.40
23	.718	1.39	12.00	12.70	14.20	23.80

Table 1.--Lowest mean discharge and ranking for Clear Boggy Creek near Caney, Okla
Continued

Rank	Non-exceedance probability	Recurrence interval	Lowest mean flow for given duration in ft ³ /s.			
			1 day	7 day	14 day	30 day
24	0.750	1.33	12.00	13.60	14.40	25.50
25	.781	1.28	13.00	13.60	14.90	28.10
26	.812	1.23	13.00	13.90	17.60	28.80
27	.843	1.19	21.00	21.00	21.40	30.40
28	.875	1.14	22.00	23.10	25.20	44.20
29	.906	1.10	25.00	31.30	28.10	45.70
30	.937	1.07	35.00	36.70	38.70	54.90
31	.968	1.03	36.00	42.00	44.50	118.00

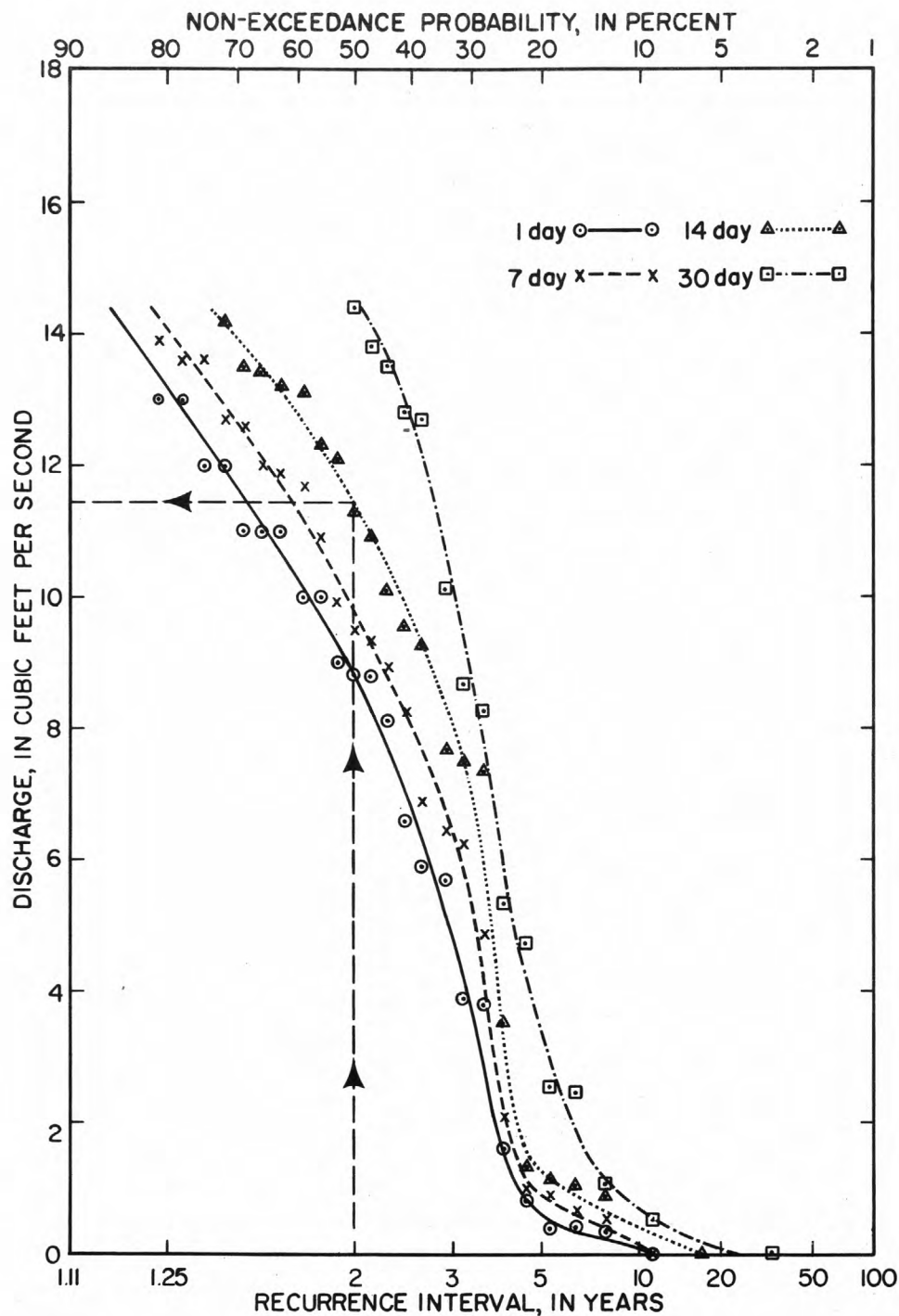


Figure 3.--Low-flow frequency curves for selected durations for Clear Boggy Creek near Caney, Okla.

After the index stations were selected, the Thiessen polygon method was used to regionalize each index station. The regional polygons were distorted in some cases so the polygons would all be reasonably homogeneous in topography and geology. The location of the index station and their regional polygons are shown in figure 4.

The discharge measurements at all miscellaneous and partial-record sites were plotted against the corresponding daily discharge on the same date at the index stations in their regional polygon. A smooth regression line was drawn through the plotted points as shown on the graph in figure 5. At many sites the plotted points were scattered over the graph, giving no correlation; thus, no low-flow estimates could be made.

Using the dashed lines on the low-flow frequency curves of the index station as shown in the example graph in figure 3 for Clear Boggy Creek, the discharge for a given frequency is determined. Then the dashed line on the correlation analysis in figure 5 is used to determine the corresponding discharge frequency at the partial-record or miscellaneous site.

STUDY RESULTS

Tables of selected low-flow characteristics are included in this section. Also, the expected accuracy of the analysis is discussed.

Low-Flow Characteristics of Selected Streams

Table 2 includes selected low-flow characteristics for all streams analyzed in this study. Stream names and numbers have been compiled for the users convenience.

Discussion of Errors

Sources of error in statistical analysis related to hydrology are many and varied, because of the many interpretations and extrapolations of the original data. For any hydrologic analysis to have meaningful application to practical problems, knowledge of the errors involved in its use are essential. Therefore, the types and magnitudes of significant errors that can be expected when using the results of this study are briefly discussed.

Many sources of error exist in a low-flow analysis. First, there is a time-sampling error in the original data which varies in magnitude depending upon the length of record and variability of data at a particular site being analyzed. Secondly, the low-flow frequency curves plotted for the continuous-record sites have errors involved in their development. And finally, errors involved in correlating the partial-record and miscellaneous sites with the index stations must be recognized. When all these errors are accounted for and compared to the magnitude of the low flows, error percentages may be high.

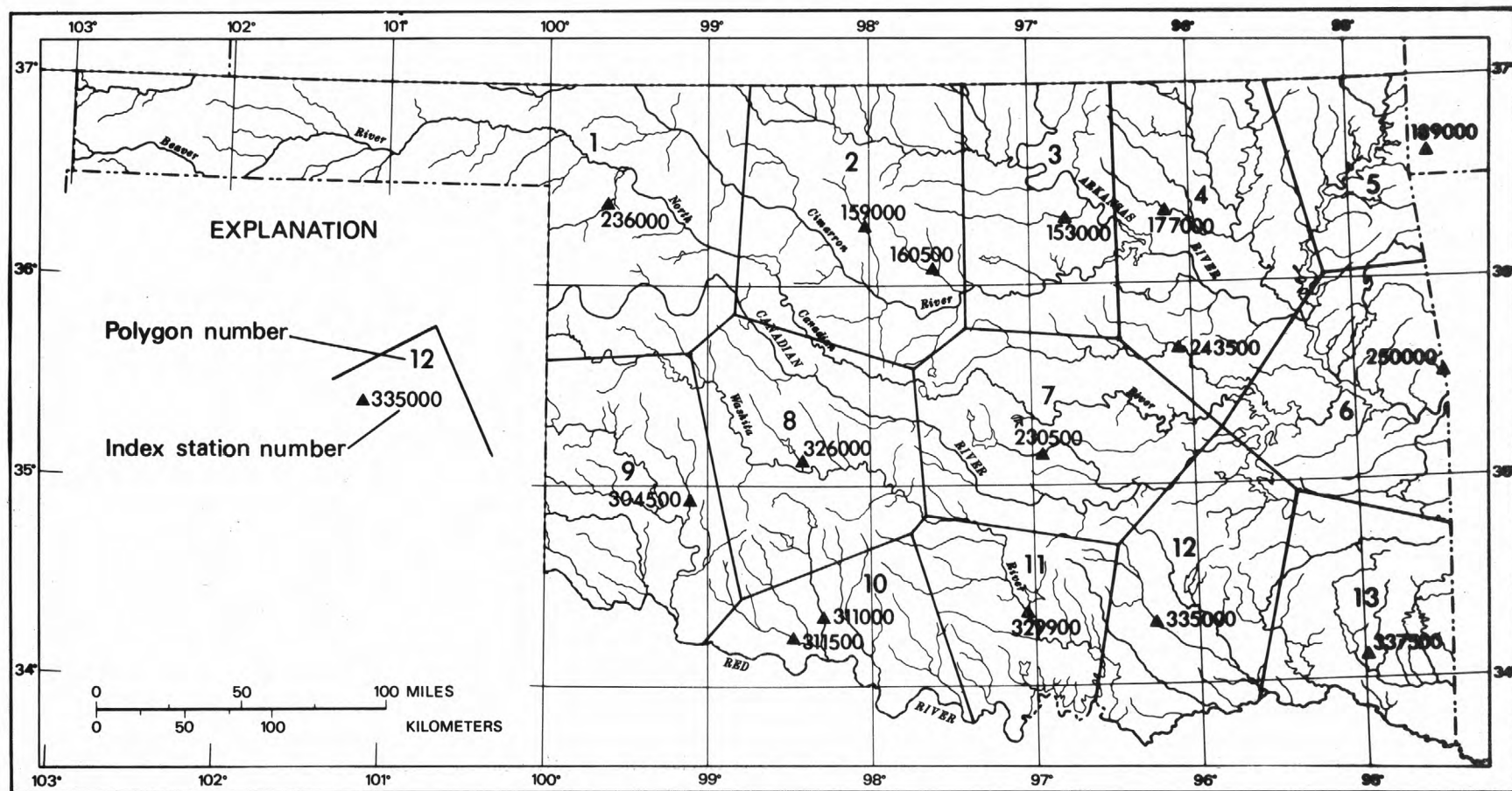


Figure 4.--Location of index stations and their regional polygon boundaries.

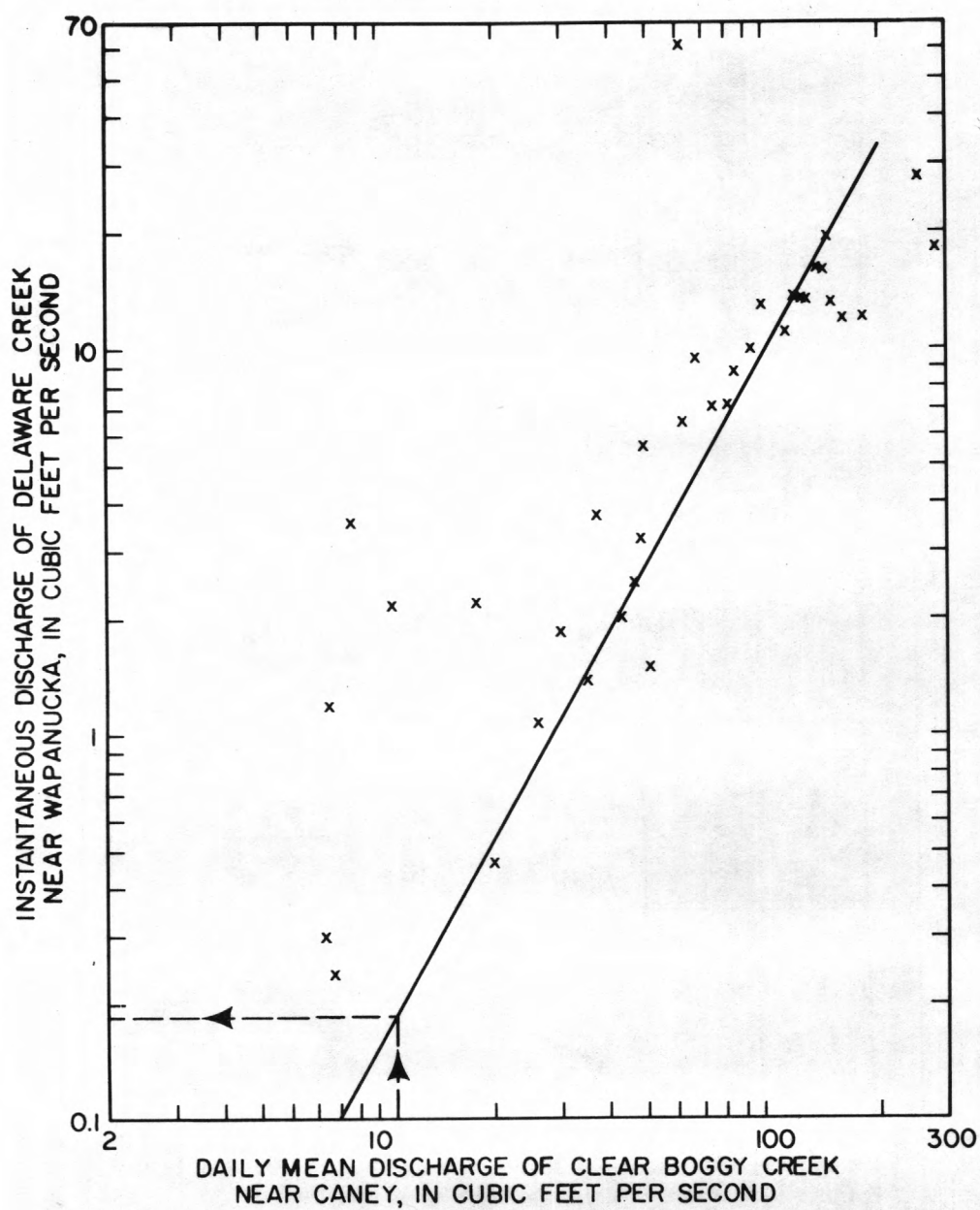


Figure 5.--Example of low-flow analysis to obtain low-flow characteristics at a partial-record or miscellaneous site.

Table 2.--Selected low-flow characteristics of streams in Oklahoma.

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
<u>07148350</u>	Salt Fork Arkansas nr Winchester, Okla.	856	1	0	0	0
			7	.04	0	0
			14	.12	0	0
			30	.45	0	0
<u>07148400</u>	Salt Fork Arkansas nr Alva, Okla	1,009	1	0	0	0
			7	.05	0	0
			14	.05	0	0
			30	2.6	0	0
<u>07149500</u>	Salt Fork Arkansas nr Cherokee, Okla.	2,439	1	0	0	0
			7	0	0	0
			14	.8	0	0
			30	6.0	0	0
07149700	Sandy Creek nr Bryon, Okla.	434	1	0	0	0
			7	.38	0	0
			14	.62	0	0
			30	1.9	0	0
<u>07150500</u>	Salt Fork Arkansas nr Jet, Okla.	3,202	1	4.3	0	0
			7	5.3	.7	0
			14	6.3	.8	.1
			30	11.5	1.3	.2
07150900	Deer Creek nr Tonkawa, Okla.	150	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.062	0	0
<u>07151000</u>	Salt Fork Arkansas at Tonkawa, Okla. (unregulated)	4,528	1	2.5	.5	.3
			7	3.1	1.2	.9
			14	7.0	1.5	1.1
			30	12.5	1.9	1.4
07151000	Salt Fork Arkansas at Tonkawa, Okla. (regulated)	4,528	1	28.2	2.8	0
			7	32.0	3.9	0
			14	38.0	5.1	1.0
			30	49.2	7.0	2.9
<u>07152000</u>	Chikaskia River nr Blackwell, Okla.	1,859	1	6	.1	0
			7	7.2	1.0	.1
			14	10.0	1.5	.3
			30	22.0	2.0	.6
07152250	Bois D'Arc Creek nr Ponca City, <i>Ne</i> Okla.	100	1	1.35	0	0
			7	1.48	0	0
			14	1.64	0	0
			30	3.10	0	0
07152400	Salt Creek nr Shidler, Okla. <i>Ne</i>	114	1	0	0	0
			7	0	0	0
			14	.11	0	0
			30	.21	0	0
<u>07152500</u>	Arkansas River at Ralston, Okla. (unregulated)	54,465	1	300	85	55
			7	330	100	65
			14	360	120	72
			30	400	140	80
07152500	Arkansas River at Ralston, Okla. (regulated)	54,465	1	500	110	45
			7	600	122	60
			14	680	150	70
			30	1,020	175	80
<u>07153000</u>	Black Bear Creek at Pawnee, Okla.	576	1	.5	0	0
			7	.7	0	0
			14	.9	0	0
			30	1.4	0	0
<u>07154500</u>	Cimarron River nr Kenton, Okla.	1,106	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.1	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07155000	Cimarron River above Ute Creek nr Boise City, Okla.	1,955	1 7 14 30	0 0 0 0	0 0 0 0	0 0 0 0
07157000	Cimarron River nr Mocane, Okla.	8,670	1 7 14 30	12 18.5 22.5 28.5	2.5 4.5 7.6 10.0	.6 2.5 4.8 6.3
07157950	Cimarron River nr Buffalo, Okla.	11,930	1 7 14 30	0 0 0 5.1	0 0 0 .3	0 0 0 .1
07157960	Buffalo Creek nr Lovedale, Okla.	408	1 7 14 30	0 0 0 0	0 0 0 0	0 0 0 0
07158000	Cimarron River nr Waynoka, Okla.	13,334	1 7 14 30	0 .1 .6 7.5	0 0 0 .4	0 0 0 0
07158100	Eagle Chief Creek nr Aline, Okla. <i>406</i>		1 7 14 30	2.1 3.9 4.6 6.5	0 0 .48 1.0	0 0 0 .27
07158400	Salt Creek nr Okeene, Okla.	196	1 7 14 30	1.2 2.0 2.3 3.6	0 0 .1 .5	0 0 0 .3
07158500	Preacher Creek nr Dover, Okla.	14.5	1 7 14 30	0 0 0 0	0 0 0 0	0 0 0 0
07159000	Turkey Creek nr Drummond, Okla.	248	1 7 14 30	0 0 0 .2	0 0 0 .1	0 0 0 0
07159500	Bluff Creek above Lake Hefner nr Oklahoma City, Okla.	1.62	1 7 14 30	0 0 0 0	0 0 0 0	0 0 0 0
07159800	Cottonwood Creek nr Guthrie, Okla. <i>366</i>		1 7 14 30	.23 2.6 4.0 8.1	0 0 0 0	0 0 0 0
07160000	Cimarron River nr Guthrie, Okla.	16,892	1 7 14 30	26 33 40 62	.5 .7 1.0 1.5	.4 .5 .6 .7
07160500	Skeleton Creek nr Lovell, Okla.	410	1 7 14 30	1.2 2.5 3.0 4.5	0 0 .2 .5	0 0 0 .1
07161000	Cimarron River at Perkins, Okla.	17,852	1 7 14 30	48.5 57.5 80.0 98.0	4.5 5.0 7.0 12.0	2.3 2.6 2.9 3.3
07163000	Council Creek nr Stillwater, Okla.	31	1 7 14 30	0 0 0 0	0 0 0 0	0 0 0 0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07163500	Cimarron River nr Oilton, Okla.	18,669	1	42	1	0
			7	51	2	0
			14	60	4	0
			30	74	5	0
07164000 ND	Cimarron River at Mannford, Okla.	18,849	1	90	10	1
			7	110	13	2
			14	130	20	5
			30	170	30	12
07164500	Arkansas River at Tulsa, Okla. (unregulated)	74,615	1	620	100	50
			7	680	150	75
			14	750	200	100
			30	925	225	125
07164500	Arkansas River at Tulsa, Okla. (regulated)	74,615	1	425	150	60
			7	890	310	300
			14	1,180	380	300
			30	1,430	460	300
07165500 ND	Polecat Creek below Heyburn Lake nr Heyburn, Okla.	123	1	0	0	0
			7	.02	0	0
			14	.03	0	0
			30	.12	0	0
07165500 ND	Polecat Creek below Heyburn Lake nr Heyburn, Okla.	123	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07165550	Snake Creek nr Bixby, Okla.	50.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07171000	Verdigris River nr Lenapah, Okla. (unregulated)	3,639	1	18.9	.2	0
			7	22.4	.6	0
			14	28.7	.6	0
			30	33.6	1.3	0
07171000	Verdigris River nr Lenapah, Okla. (regulated)	3,639	1	22.5	1.5	0
			7	24	2	0
			14	34.5	2.8	0
			30	52.5	3.2	.5
07171400	Verdigris River nr Oologah, Okla. (regulated)	4,339	1	.5	0	0
			7	1.3	0	0
			14	16	0	0
			30	34.5	.60	0
07171500	Verdigris River nr Sageeyah, Okla. (regulated)	4,402	1	22	0	0
			7	30	0	0
			14	46	0	0
			30	73	0	0
07173000	Caney River nr Hulah, Okla. (unregulated)	736	1	1.53	0	0
			7	2.2	0	0
			14	2.7	0	0
			30	4.25	0	0
07173000	Caney River nr Hulah, Okla. (regulated)	736	1	2.4	.1	0
			7	4.8	.15	.12
			14	6.3	.20	.15
			30	9.7	1.3	.29
07174000	Caney Creek nr Copan, Okla.	424	1	.04	0	0
			7	.07	0	0
			14	.15	0	0
			30	.20	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07174200	Little Caney River below Cotton Creek nr Copan, Okla.	502	1	.1	0	0
			7	.28	0	0
			14	.49	0	0
			30	1.44	0	0
07174500	Caney River at Bartlesville, Okla.	1,465	1	5	1.6	1
			7	6.5	2.2	2
			14	8.8	4.7	3.8
			30	10.6	5.2	4.5
07174600	Sand Creek nr Okesa, Okla.	139	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07174700	Caney River nr Ochelata, Okla.	1,753	1	13.5	5.7	.6
			7	15.2	6.9	.73
			14	16.7	8.1	.97
			30	20.8	10.6	1.22
07175500	Caney River nr Ramona, Okla. (unregulated)	1,955	1	1.5	0	0
			7	3	0	0
			14	4	0	0
			30	4.5	0	0
07175500	Caney River nr Ramona, Okla. (regulated)	1,955	1	12.2	2.6	.8
			7	13	4	1.5
			14	14.8	5	2.5
			30	19.6	6.2	3.5
07176000	Verdigris River nr Claremore, Okla. (unregulated)	6,534	1	28	0	0
			7	36	1	0
			14	44	2	0
			30	60	2.5	0
07176000	Verdigris River nr Claremore, Okla. (regulated)	6,534	1	27	3	0
			7	38	7	3
			14	51	9	5
			30	75	15	10.5
07176500	Bird Creek nr Avant, Okla.	364	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07177000	Hominy Creek nr Skiatook, Okla.	340	1	.1	0	0
			7	.2	0	0
			14	.3	0	0
			30	.6	.1	0
07177500	Bird Creek nr Sperry, Okla.	905	1	1.5	0	0
			7	2.1	0	0
			14	2.6	0	0
			30	5.2	0	0
07178600	Verdigris River nr Inola, Okla. (regulated)	7,911	1	45	9	5
			7	70	10	7
			14	84	16	9
			30	92	20	12
07185000	Neosho River nr Commerce, Okla. (unregulated)	5,876	1	140	0	0
			7	150	0	0
			14	168	5	0
			30	180	10	0
07185000	Neosho River nr Commerce, Okla. (regulated)	5,876	1	80	10	8
			7	110	15	10
			14	155	18	12
			30	293	20	15
07188000	Spring River nr Quapaw, Okla.	2,510	1	125	38	25
			7	185	53	33
			14	207	70	42
			30	250	90	50

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Number	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07189500	Neosho River nr Grove, Okla.	9,969	1	368	38	30
			7	412	52	39
			14	460	65	49
			30	555	105	86
07189700	Horse Creek at Afton, Okla.	21.9	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07190500	Neosho River nr Langley, Okla.	10,335	1	.75	.15	.05
			7	3.25	.3	.2
			14	5.75	.5	.3
			30	8.25	.75	.5
07190600	Big Cabin Creek nr Pyramid Corners, Okla.	71.1	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07191000	Big Cabin Creek nr Big Cabin, Okla.	450	1	.84	.12	.08
			7	1	.18	.13
			14	1.3	.26	.16
			30	2.1	.35	.2
07191220	Spavinaw Creek nr Sycamore, Okla.	133	1	11.5	2.6	0
			7	12	2.9	.1
			14	12.3	3.2	.5
			30	13	4	1.2
07191500	Neosho River nr Chouteau, Okla.	11,546	1	135	50	25
			7	400	66	35
			14	633	100	50
			30	1,466	135	100
07192000	Pryor Creek nr Pryor, Okla.	229	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.1	0	0
07192500	Neosho River nr Wagoner, Okla.	12,307	1	760	58	0
			7	1,200	63.6	0
			14	1,480	72.2	0
			30	2,060	125	0
07193500	Neosho River below Fort Gibson Lake nr Fort Gibson, Okla.	12,495	1	24	10	0
			7	315	30	25
			14	490	65	50
			30	725	110	100
07194500	Arkansas River nr Muskogee, Okla. (unregulated)	96,674	1	1,700	300	120
			7	2,220	350	150
			14	2,350	400	200
			30	2,900	450	260
07194500	Arkansas River nr Muskogee, Okla. (regulated)	96,674	1	1,675	0	0
			7	2,150	100	0
			14	3,100	200	0
			30	3,700	350	0
07195500	Illinois River nr Watts, Okla.	635	1	68	24	10
			7	82	29	12
			14	86	36	16
			30	98	42	22
07196000	Flint Creek nr Kansas, Okla.	110	1	15	3.9	.6
			7	16.5	4.0	.66
			14	17.3	4.0	.68
			30	19	6.17	.71

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
<u>07196500</u>	Illinois River nr Tahlequah, Okla.	959	1	88	29	1.1
			7	96	32	1.44
			14	105	34.6	2.08
			30	117	44.5	3.1
<u>07197000</u>	Baron Fork at Eldon, Okla.	307	1	18	3.5	1.0
			7	20	4.5	1.8
			14	22.5	5	2
			30	24.6	5.8	2.2
<u>07198000</u>	Illinois River nr Gore, Okla. (unregulated)	1,626	1	155	68	25
			7	173	82	30
			14	193	96	35
			30	239	130	40
07198000	Illinois River nr Gore, Okla. (regulated)	1,626	1	18	4	2.5
			7	77	13	5
			14	133	21	7
			30	238	43	16
<u>07198500</u>	Dirty Creek nr Warner, Okla.	227	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.2	0	0
07228150 <i>no</i>	Commission Creek nr Grand, Okla.	57.8	1	.45	0	0
			7	.58	0	0
			14	.80	0	0
			30	1.45	0	0
07228400 <i>no</i>	Deer Creek at Hydro, Okla.	274	1	6.2	1.6	.42
			7	6.8	2.0	.56
			14	7.5	2.3	.84
			30	8.0	2.7	1.2
<u>07228500</u>	Canadian River at Bridgeport, Okla. (unregulated)	25,229	1	1.25	0	0
			7	2.80	0	0
			14	5.5	0	0
			30	9.5	0	0
07228500	Canadian River at Bridgeport, Okla. (regulated)	25,229	1	.45	0	0
			7	.84	0	0
			14	1.49	0	0
			30	2.92	0	0
<u>07229000</u>	Canadian River nr Newcastle, Okla.	25,763	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.6	0	0
<u>07229100</u>	Canadian River nr Noble, Okla.	25,911	1	3.5	.4	.1
			7	3.81	.6	.2
			14	4.44	1.47	1
			30	8.61	2.8	2.3
<u>07229300</u>	Walnut Creek at Purcell, Okla.	202	1	4	0	0
			7	6	0	0
			14	8	.05	0
			30	12	.12	0
<u>07230000</u>	Little River below Lake Thunder- bird nr Norman, Okla. (unregulated)	257	1	.4	0	0
			7	.56	0	0
			14	.8	0	0
			30	2.9	0	0
07230000	Little River below Lake Thunder- bird nr Norman, Okla. (regulated)	257	1	.3	.1	.04
			7	.3	.1	.04
			14	.3	.1	.05
			30	.33	.11	.06
<u>07230500</u>	Little River nr Tecumseh, Okla. (unregulated)	456	1	1.7	0	0
			7	2.5	0	0
			14	3.5	0	0
			30	5.5	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07230500	Little River nr Tecumseh, Okla. (regulated)	456	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.88	0	0
07230800	Salt Creek nr Dewright, Okla.	210	1	0	0	0
			7	1.4	0	0
			14	3	0	0
			30	5.1	0	0
07231000	Little River nr Sasakwa, Okla. (unregulated)	865	1	3.6	0	0
			7	4.33	.3	0
			14	5.7	.35	0
			30	10	.5	0
07231000	Little River nr Sasakwa, Okla. (regulated)	865	1	0	0	0
			7	0	0	0
			14	.1	0	0
			30	.4	.02	.01
07231500	Canadian River at Calvin, Okla. (unregulated)	27,952	1	13.3	0	0
			7	20	0	0
			14	27	0	0
			30	39.9	.05	0
07231500	Canadian River at Calvin, Okla. (regulated)	27,952	1	.9	0	0
			7	3.2	0	0
			14	9.8	.5	.1
			30	19	2.2	1.3
07232000	Gaines Creek nr Krebs, Okla.	588	1	0	0	0
			7	.1	0	0
			14	.4	0	0
			30	1.82	0	0
07232450	Tepes Creek nr Eva, Okla.	95.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07232500	Beaver River nr Guymon, Okla.	2,139	1	0	0	0
			7	.08	0	0
			14	.22	0	0
			30	.57	0	0
07233000	Coldwater Creek nr Hardesty, Okla.	1,967	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07234000	Beaver River at Beaver, Okla.	7,955	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07234100	Clear Creek nr Elmwood, Okla.	170	1	.6	.05	0
			7	.76	.21	.15
			14	.8	.4	.32
			30	.95	.6	.5
07234500	North Canadian River nr Fort Supply, Okla.	9,615	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07235500	Wolf Creek nr Shattuck, Okla.	1,183	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.75	0	0
07236000	Wolf Creek nr Fargo, Okla.	1,624	1	.6	0	0
			7	.9	0	0
			14	1.5	0	0
			30	3.8	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07237000	Wolf Creek nr Fort Supply, Okla.	1,739	1	.21	0	0
			7	.34	0	0
			14	.42	0	0
			30	.62	.03	0
07237500	North Canadian River at Woodward, Okla. (unregulated)	11,589	1	0	0	0
			7	0	0	0
			14	.5	0	0
			30	2.5	0	0
07237500	North Canadian River at Woodward, Okla. (regulated)	11,589	1	0	0	0
			7	0	0	0
			14	.01	0	0
			30	.3	0	0
07238000	North Canadian River nr Sealing, Okla.	12,261	1	0	0	0
			7	.3	0	0
			14	.6	0	0
			30	.8	0	0
07239000	North Canadian River at Canton, Okla. (unregulated)	12,484	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07239000	North Canadian River at Canton, Okla. (regulated)	12,484	1	1.95	.22	0
			7	2.45	.37	.02
			14	2.56	.61	.12
			30	2.80	.82	.21
07239500	North Canadian River nr El Reno, Okla. (unregulated)	13,042	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	1.3	0	0
07239500	North Canadian River nr El Reno, Okla. (regulated)	13,042	1	0	0	0
			7	.3	0	0
			14	.8	0	0
			30	3.4	0	0
07241500	North Canadian River nr Oklahoma City, Okla.	13,354	1	26.3	14.1	9.7
			7	29.8	17.2	12.8
			14	33	19.2	14.1
			30	36.6	20.5	15.8
07241500	North Canadian River nr Harrah, Okla. (unregulated)	13,501	1	43.8	15	0
			7	47	19.8	0
			14	51.5	21.9	1
			30	58	36.2	19
07242000	North Canadian River nr Wetumka, Okla.	14,290	1	50.2	7.2	0
			7	57.8	10.7	0
			14	65.3	14.4	0
			30	78.1	18.2	0
07242500	Belloc Creek at Chandler, Okla.	46.0	1	0	0	0
			7	0	0	0
			14	.3	0	0
			30	.58	0	0
07243000	Dry Creek nr Kendrick, Okla.	69.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.01	0	0
07243500	Deep Fork nr Beggs, Okla.	2,018	1	7.5	0	0
			7	9.5	.1	0
			14	13	.8	0
			30	22	2	0
07244000	Deep Fork nr Dewar, Okla.	2,307	1	11	2.1	1.1
			7	13.2	3.9	2.4
			14	15.9	5.9	5
			30	30	7	6.5

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07245000	Canadian River nr Whitefield, Okla. 47,576 (unregulated)		1	198	4	1
			7	211	10	2
			14	232	17	4
			30	370	29	9
07245000	Canadian River nr Whitefield, Okla. 47,576 (regulated)		1	60	1.1	.5
			7	240	1.3	.6
			14	325	2.2	1.1
			30	600	2.5	1.3
07245500	Sallisaw Creek nr Sallisaw, Okla. 182		1	.78	0	0
			7	1.05	0	0
			14	1.45	.1	0
			30	2.6	.15	0
07246500	Arkansas River nr Sallisaw, Okla. 147,757 (unregulated)		1	3,150	400	130
			7	4,500	500	200
			14	5,280	580	280
			30	6,100	700	390
07246500	Arkansas River nr Sallisaw, Okla. 147,757		1	2,550	900	600
			7	4,100	1,150	800
			14	5,600	1,360	950
			30	7,000	1,600	1,100
07247500	Fourche Maline nr Red Oak, Okla. 122		1	0	0	0
			7	.01	0	0
			14	.11	0	0
			30	.38	0	0
07248500	Poteau River nr Wister, Okla. 993 (unregulated)		1	0	0	0
			7	.03	0	0
			14	.09	0	0
			30	.55	0	0
07248500	Poteau River nr Wister, Okla. 993 (regulated)		1	1.5	0	0
			7	4.4	0	0
			14	6.6	0	0
			30	7.8	.15	0
0724900	Poteau River nr Poteau, Okla. 1,240		1	.5	.1	.05
			7	.7	.2	.15
			14	1.3	.4	.2
			30	2.6	.6	.4
07249800	Lee Creek nr Short, Okla. 236		1	.16	0	0
			7	.23	0	0
			14	.29	0	0
			30	1.0	0	0
07249900	Little Lee Creek nr Short, Okla. 103		1	0	0	0
			7	0	0	0
			14	.023	0	0
			30	.15	0	0
07250000	Lee Creek nr Van Buren, Ark. 426		1	.6	0	0
			7	.8	0	0
			14	1	0	0
			30	3	0	0
07300500	Salt Fork Red River at Mangum, Okla. 1,566		1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07301452	Starvation Creek nr Prentiss, Okla. 44.5		1	0	0	0
			7	0	0	0
			14	.12	0	0
			30	.17	0	0
07301460	Turkey Creek nr Sayre, Okla. 47.5		1	.60	0	0
			7	.62	0	0
			14	.71	0	0
			30	.80	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
<u>07301500</u>	North Fork Red River nr Carter, Okla.	2,337	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
<u>07302000</u>	North Fork Red River nr Granite, Okla.	2,494	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
<u>07303000</u>	North Fork Red River below Altus Dam nr Lugert, Okla.	2,515	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
<u>07303400</u>	Elm Fork of North Fork Red River nr Carl, Okla.	416	1	1.4	.04	0
			7	2	.07	0
			14	2.6	.1	0
			30	3.1	.5	.1
<u>07303500</u>	Elm Fork of North Fork Red River nr Mangum, Okla.	838	1	1.2	0	0
			7	1.8	0	0
			14	2.2	0	0
			30	3.7	0	0
<u>07304500</u>	Elk Creek nr Hobart, Okla.	549	1	.3	0	0
			7	.4	0	0
			14	.6	0	0
			30	1	0	0
<u>07305000</u>	North Fork Red River nr Headrick, Okla. (unregulated)	4,244	1	13.3	0	0
			7	16.7	0	0
			14	25	0	0
			30	57	0	0
<u>07305000</u>	North Fork Red River nr Headrick, Okla. (regulated)	4,244	1	.2	0	0
			7	.7	0	0
			14	1.7	0	0
			30	4.8	0	0
<u>07305500</u>	West Otter Creek at Snyder Lake nr Mountain Park, Okla.	132	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
<u>07306500</u>	Otter Creek at Mountain Park, Okla.	164	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07308310 <i>16</i>	Suttle Creek nr Davidson, Okla.	55.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07310000 <i>14</i>	Little Medicine Bluff Creek nr Lawton, Okla.	7.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07310500 <i>14</i>	Medicine Bluff Creek nr Lawton, Okla.	101	1	.2	0	0
			7	.2	0	0
			14	.28	0	0
			30	.5	.18	.1
<u>07311000</u>	East Cache Creek nr Walters, Okla.	675	1	7.6	.3	0
			7	8.9	.9	0
			14	9.6	1.4	0
			30	11.5	2.2	0
<u>07311200</u>	Blue Beaver Creek nr Cache, Okla.	24.6	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07311240	West Cache Creek nr Cookietown, Okla.	1,112	1	0	0	0
			7	.12	0	0
			14	.15	0	0
			30	.25	0	0
07311500	Deep Red Run nr Randlett, Okla.	617	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.02	0	0
07313000	Little Beaver Creek nr Duncan, Okla.	158	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.05	0	0
07313500	Beaver Creek nr Waurika, Okla.	563	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.07	0	0
07313600	Cow Creek nr Waurika, Okla.	193	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07315500	Red River nr Terral, Okla.	28,723	1	106	54	47
			7	123	73	63
			14	140	81	72
			30	175	98	82
07315700	Mud Creek nr Courtney, Okla.	572	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.01	0	0
07315900	Walnut Bayou nr Burneyville, Okla.	314	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.04	0	0
07316070	Hickory Creek nr Marietta, Okla.	116	1	.15	0	0
			7	.18	0	0
			14	.23	0	0
			30	.34	0	0
07316500	Washita River nr Cheyenne, Okla. (unregulated)	794	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07316500	Washita River nr Cheyenne, Okla. (regulated)	794	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07319500	Sandstone Creek nr Berlin, Okla.	44.9	1	.06	0	0
			7	.12	0	0
			14	.18	0	0
			30	.34	0	0
07322500	East Branch Sandstone Creek nr Elk City, Okla.	23.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07323000	Sandstone Creek nr Cheyenne, Okla.	87.1	1	.04	0	0
			7	.07	0	0
			14	.13	0	0
			30	.18	0	0
07324200	Washita River nr Hammon, Okla.	1,387	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07324400	Washita River nr Foss, Okla.	1,511	1	.36	.03	0
			7	.46	.06	.03
			14	.66	.1	.06
			30	1.04	.16	.1
07324500	Barnita Creek nr Arapaho, Okla.	243	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07325000	Washita River nr Clinton, Okla. (unregulated)	1,977	1	2.7	0	0
			7	3.9	0	0
			14	5.4	0	0
			30	7.5	0	0
07325000	Washita River nr Clinton, Okla. (regulated)	1,977	1	1.3	0	0
			7	2	.18	.03
			14	3.15	.52	.08
			30	4.7	1.82	1.23
07325300	Rainy Mountain Creek nr Mountain View, Okla.	309	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07325400	Stinking Creek nr Carnegie, Okla.	104	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07325500	Washita River at Carnegie, Okla. (unregulated)	3,129	1	20.5	2.9	.2
			7	22.5	3.2	.9
			14	25.8	4.3	1.8
			30	31.5	5	1.8
07325500	Washita River at Carnegie, Okla. (regulated)	3,129	1	10.5	0	0
			7	13	.3	0
			14	15.8	1.7	0
			30	25.9	4.9	3
07325800	Cobb Creek nr Eakly, Okla.	132	1	.28	0	0
			7	.47	0	0
			14	.6	.21	.17
			30	2.6	.57	.49
07325850	Lake Creek nr Eakly, Okla.	52.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07326000	Cobb Creek nr Fort Cobb, Okla. (unregulated)	313	1	6.8	1.2	.2
			7	7.3	1.6	.3
			14	8.2	1.8	.5
			30	9.1	2.3	.8
07326000	Cobb Creek nr Fort Cobb, Okla. (regulated)	313	1	1.53	.9	.51
			7	1.62	1.02	.63
			14	1.79	1.18	.75
			30	2.01	1.38	.93
07326500	Washita River at Anadarko, Okla. (unregulated)	3,656	1	66	36	30
			7	76	39	32
			14	83	43	35
			30	94	46	38
07326500	Washita River at Anadarko, Okla. (regulated)	3,656	1	10	0	0
			7	16	.8	0
			14	20	1	0
			30	30	9	7.3
07327000	Sugar Creek nr Gracemont, Okla. (unregulated)	208	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.05	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07327000	Sugar Creek nr Gracemont, Okla. (regulated)	208	1	0 .5	0	0
			7	.025	0	0
			14	.05	0	0
			30	.1	0	0
07327490	Little Washita River nr Ninnekah, Okla.	208	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.53	0	0
07327500	Little Washita River at Ninnekah, Okla.	227	1	2.5	0	0
			7	3.8	0	0
			14	4.3	0	0
			30	5.9	0	0
07328000	Washita River nr Tabler, Okla.	4,706	1	65	27	24
			7	92	31.5	26
			14	108	33.5	27
			30	133	38	31
07328070	New Winter Creek nr Alex, Okla.	33	1	0	0	0
			7	.15	0	0
			14	.24	0	0
			30	.54	.02	0
07328300	Finn Creek nr Story, Okla.	67.2	1	.09	0	0
			7	.40	0	0
			14	.60	0	0
			30	1.05	0	0
07328500	Washita River nr Pauls Valley, Okla.	5,330	1	63	0	0
			7	75	0	0
			14	84	0	0
			30	102	3	0
07329000	Rush Creek at Purdy, Okla.	145	1	2.3	0	0
			7	3.1	0	0
			14	4	.8	0
			30	6.6	.35	0
07329500	Rush Creek nr Maysville, Okla. (unregulated)	206	1	0	0	0
			7	.1	0	0
			14	.2	0	0
			30	1.4	0	0
07329500	Rush Creek nr Maysville, Okla. (regulated)	206	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07329700	Wildhorse Creek nr Hoover, Okla.	604	1	0	0	0
			7	0	0	0
			14	.05	0	0
			30	.6	0	0
07329900	Rock Creek at Dougherty	138	1	2.6	.4	.2
			7	4	.8	.4
			14	5.2	1	.6
			30	6.3	1.3	.8
07330500	Caddo Creek nr Ardmore, Okla.	298	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.21	0	0
07331000	Washita River nr Durwood, Okla.	7,202	1	100	6	4
			7	126	9	6
			14	138	12	7
			30	171	15	9

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07331200	Mill Creek nr Mill Creek, Okla. <i>Nb</i>	46.4	1	2.2	.68	.44
			7	2.9	1.1	.68
			14	3.3	1.2	.86
			30	3.7	1.4	1.1
07331300	Pennington Creek nr Reagon, Okla. <i>Nb</i>	65.7	1	7.0	2.4	1.5
			7	9.6	3.3	2.3
			14	13.0	3.9	1.0
			30	13.5	4.8	1.3
07331600 <i>Nb</i>	Red River at Denison Dam nr Denison, Tex.	29,720	1	60	50	40
			7	220	70	60
			14	520	150	100
			30	900	420	300
07332000 <i>Nb</i>	Red River nr Colbert, Okla. (unregulated)	39,777	1	380	72	45
			7	450	125	82
			14	485	150	105
			30	535	200	140
07332000	Red River nr Colbert, Okla. (regulated)	39,777	1	100	40	20
			7	400	45	22
			14	760	50	28
			30	1,120	80	45
07332250 <i>Nb</i>	Island Bayou nr Albany, Okla.	132	1	.03	0	0
			7	.04	0	0
			14	.05	0	0
			30	.08	0	0
07332400	Blue Creek at Milburn, Okla.	203	1	33	18	16
			7	35	19	17
			14	39	22	18
			30	44	25	20
07332500 <i>Nb</i>	Blue River nr Blue, Okla.	476	1	23	2.5	.4
			7	25	7	1.6
			14	27.8	9.4	3.9
			30	31.2	13.9	8.6
07332700 <i>Nb</i>	Muddy Boggy Creek nr Parker, Okla.	174	1	0	0	0
			7	.10	0	0
			14	.17	0	0
			30	.40	0	0
07333500	Chickasaw Creek nr Stringtown, Okla.	32.7	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07333800	McGee Creek nr Stringtown, Okla.	86.6	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.01	0	0
0733400	Muddy Boggy Creek nr Farris, Okla.	1,087	1	2	0	0
			7	4	0	0
			14	8	0	0
			30	21	0	0
07334200 <i>Nb</i>	Byrds Mill Spring nr Fittstown, Okla.	0.0	1	--	--	--
			7	--	--	--
			14	--	--	--
			30	--	--	--
07334400 <i>Nb</i>	Clear Boggy Creek nr Tupelo, Okla.	248	1	7.0	0	0
			7	7.8	0	0
			14	8.8	0	0
			30	11.0	0	0
07334420 <i>Nb</i>	Leader Creek at Tupelo, Okla.	64.3	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
07334440 <i>NG</i>	Delaware Creek nr Wapunucka, Okla.	45.8	1	.18	0	0
			7	.24	0	0
			14	.42	0	0
			30	.75	0	0
07335000	Clear Boggy Creek nr Caney, Okla.	720	1	9	.1	0
			7	9.9	.3	0
			14	11.6	.5	.1
			30	15	.8	.4
07335500 <i>NG</i>	Red River at Arthur City, Tex.	44,531	1	670	230	150
			7	1,050	300	180
			14	1,350	380	190
			30	1,800	630	300
07335700	Kiamichi River nr Big Cedar, Okla.	40.1	1	.06	0	0
			7	.21	0	0
			14	.3	0	0
			30	.42	0	0
07335900 <i>NG</i>	Buck Creek nr Moyers, Okla.	100	1	0	0	0
			7	0	0	0
			14	.12	0	0
			30	.45	0	0
07336000	Tenmile Creek nr Miller, Okla.	68.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
07336500	Kiamichi River nr Belzoni, Okla.	1,423	1	1.7	0	0
			7	3.3	0	0
			14	4.4	0	0
			30	5.3	0	0
07337500	Little River nr Wright City, Okla. (unregulated)	645	1	1.5	0	0
			7	1.8	0	0
			14	2	0	0
			30	3.5	0	0
07337500	Little River nr Wright City, Okla. (regulated)	645	1	2.1	.3	0
			7	3.5	.6	0
			14	6.8	1	.3
			30	13.1	6.1	4.6
07337900	Glover Creek nr Glover, Okla.	315	1	.1	0	0
			7	.29	0	0
			14	.4	.12	0
			30	1.7	.18	0
07338000 <i>NG</i>	Little River nr Idabel, Okla.	1,173	1	2	0	0
			7	2.8	0	0
			14	3.9	.2	0
			30	5.2	.5	.1
07338500 <i>NG</i>	Little River below Lukfata Creek nr Idabel, Okla. (unregulated)	1,226	1	12	2.8	.5
			7	13.8	3	.75
			14	16	3.1	.9
			30	26	3.3	1.1
07338500	Little River below Lukfata Creek nr Idabel, Okla. (regulated)	1,226	1	19	5	3
			7	24	8	5
			14	27.5	9	6
			30	39	11	7.5
07339000	Mountain Fork nr Eagleton, Okla. (unregulated)	787	1	2.8	0	0
			7	3.9	0	0
			14	5	0	0
			30	10	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
1	Bear Creek nr Fallis, Okla.	105	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.20	0	0
5	Bitter Creek nr Chickasha, Okla.	unknown	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
7	Blue Creek nr Connerville, Okla.	124	1	19.0	12.0	0
			7	20.0	13.3	0
			14	20.5	14.1	0
			30	21.0	15.0	0
8	Captain Creek nr Wellston, Okla.	60.5	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.22	0	0
9	Cedar Creek nr Carnegie, Okla.	20.8	1	1.22	.34	0
			7	1.30	.41	.12
			14	1.41	.46	.18
			30	1.51	.55	.25
12	Clear Boggy nr Frisco, Okla.	55.0	1	.96	0	0
			7	1.02	0	0
			14	13.0	0	0
			30	18.2	0	0
14	Cottonwood Creek nr Navina, Okla.	86.6	1	.14	0	0
			7	.36	0	0
			14	.47	0	0
			30	.89	0	0
15	Deep Fork nr Welty, Okla.	1,396	1	.58	0	0
			7	.74	0	0
			14	10.02	0	0
			30	10.70	.15	0
16	Deer Creek nr Edmond, Okla.	115	1	.13	0	0
			7	.46	0	0
			14	.62	0	0
			30	1.2	0	0
19	Eagle Chief Creek nr Carmen, Okla.	305	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	1.7	1.3	0
20	Eagle Chief Creek nr Cleo, Okla.	487	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	4.2	3.3	0
21	Five Mile Creek nr Eakley, Okla.	31.5	1	.22	0	0
			7	.25	0	0
			14	.33	0	0
			30	.40	0	0
24	House Creek nr Terleton, Okla.	25	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.7	0	0
25	Hoyle Creek nr Ames, Okla.	32.0	1	0	0	0
			7	.013	0	0
			14	.016	0	0
			30	.025	0	0
26	Indian Creek nr Woodward, Okla. (sec. 29, T22N, R20W)	43.2	1	.31	0	0
			7	.37	0	0
			14	.51	0	0
			30	.89	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
26	Indian Creek nr Woodward, Okla. (sec. 30, T22, R19)	66.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
26	Indian Creek nr Woodward, Okla. (sec. 21, T22, R19)	71.0	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
30	Little Deep Fork nr Edna, Okla.	254	1	.40	0	0
			7	.66	0	0
			14	.86	0	0
			30	1.4	.40	0
36	North Boggy Creek nr Atoka, Okla.	136	1	.035	0	0
			7	.040	0	0
			14	.049	0	0
			30	.14	0	0
37	North Fork Red River nr Texola, Okla. 1,227		1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
38	Persimmon Creek (North) nr Sharon, Okla.	66.8	1	.18	0	0
			7	.22	0	0
			14	.31	0	0
			30	.51	0	0
39	Persimmon Creek (South) nr Sharon, Okla.	unknown	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
40	Pond Creek nr Lamont, Okla.	324	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.69	.37	0
42	Quapaw Creek nr Meeker, Okla.	69.9	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.26	0	0
43	Red Rock Creek nr Red Rock, Okla.	345	1	.03	0	0
			7	.05	0	0
			14	.1	0	0
			30	0	0	0
45	Roundup Creek nr Woodward, Okla.	2.4	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0
47	Salina Creek nr Salina, Okla.	125	1	1.8	0	0
			7	2.1	0	0
			14	2.4	0	0
			30	2.8	0	0
49	Salt Creek nr Pearson, Okla.	83.8	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	.10	0	0
51	Spring Creek nr Ada, Okla.	56.4	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	0	0	0

Table 2.--Selected low-flow characteristics of streams in Oklahoma.--Continued

Number	Station Name	Drainage area (mi ²)	Duration in days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads		
				2	10	20
52	Sweetwater Creek nr Taxola, Okla.	532	1	.98	0	0
			7	1.48	0	0
			14	2.2	0	0
			30	4.0	0	0
54	Turkey Creek nr Dover, Okla.	436	1	0	0	0
			7	0	0	0
			14	0	0	0
			30	2.0	1.5	0
55	West Bitter Creek nr Tabler, Okla.	106	1	.02	0	0
			7	.03	0	0
			14	.05	0	0
			30	.08	0	0
56	Wewoka Creek nr Wetumka, Okla.	396	1	3.3	0	0
			7	4.8	0	0
			14	6.8	0	0
			30	10.5	0	0

An analysis of error was done for each regional polygon to obtain general information and not specific errors at each site. Continuous-record sites other than the index station were correlated with the index station for randomly selected low-flow periods as if only partial record existed. The 7-day, 2-year and 30-day, 20-year low flows obtained from the correlation procedure were compared to the frequencies computed from the station record. Error estimates resulting from this procedure ranged from 0.97 log units to 0.13 log units. Polygons 1 and 3 had only one useable continuous record station, and low flows in polygon 10 were all zero and no error analysis was determined. The estimated errors in the 7-day, 2-year and the 30-day, 20-year lows were averaged and shown in table 3. The low-flow frequencies computed from station record are assumed to be the exact low flows for the station, which does not consider the time-sampling error of the station record. However, the time-sampling error is small in comparison to the correlation analysis error so the values in table 3 are good indicators of the accuracy that can be expected.

Table 3.--Expected error in low-flow estimates for regional polygon.

Regional polygon	Average error in log units	Regional polygon	Average error in log units
1	No data	7	0.91
2	0.73	8	.83
3	No data	9	.50
4	.49	10	Zero low flows
5	.19	11	.97
6	.52	12	.79
		13	.13

Conclusions and Recommendations for Further Study

This study has generated some useful information for those who are concerned with low flows of streams in Oklahoma, and the study results show some areas where further investigation would be beneficial. Study results indicate natural basin streams with drainage areas of less than 1,000 mi² are dry at least for a short time during the year. Exceptions are streams in the northeastern part of the State and areas in south-central Oklahoma. Small rural uncontrolled basins in areas outside northeast and south-central Oklahoma flow only during storm runoff events and no further low-flow study is warranted.

Additional study of low flows in the northeast and south-central areas as well as studies of large rivers and controlled basins are necessary. More concentrated effort should be placed on analysis of existing data and on obtaining additional information on areas of appreciable low flow. The data collection should be more complete and the analysis should involve all streams of significant size.

Index stations should be as much a part of the low-flow data collection plan as the low-flow measurement sites. Continuous recording stations should be established specifically as index stations on streams which are similar in character to those in which correlations are to be made if errors of estimate are to be kept within reasonable limits.

Additional low-flow information could be obtained if a study of the low-flow characteristics of short reaches of large rivers were undertaken. One continuous-record site analyzed individually may be of marginal use because it is a composite of so many factors within the large basin. However, if a portion of the river were analyzed between continuous-record sites, the results would reflect characteristics of only that portion of the basin between record sites. This analysis would be of particular benefit because there are over 50 gaging sites with extensive record on large rivers in the State which would add significantly to the low-flow information if analyzed in short reaches. Analysis of stream reaches also solves the problem of control structures on large rivers as uncontrolled reaches may be analyzed separately from controlled reaches.

The effect of flow retention and other manmade structures on low flows also should be investigated, and seepage and stored storm runoff released on a continuous basis through release structures may result in a pronounced change in low flows downstream. Sustained low flows resulting from urban, industrial and agricultural return flows may show either beneficial or harmful effects downstream.

Water quality at low flows also is an important aspect of streamflow. The quality of the sustained flow in a natural stream determines man's activities for the present and the future. Addition of chemical and biological constituents in a stream may create uninhabitable conditions downstream or elimination of constituents may cause undesirable erosion and degradation of the stream channel. A study of water quality should be the next step in analyzing low-flows.

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APPENDIX I

MISCELLANEOUS AND PARTIAL-RECORD LOW-FLOW MEASUREMENT DATA

LOW-FLOW MEASUREMENTS

Antelope Springs near Sulphur, Oklahoma, Miscellaneous site.

Lat. 34°00'00", long. 96°56'00", NW 1/4 NE 1/4 sec.1, T.1 S., R.3 E., in Platt National Park, 2 miles east of Sulphur, Okla.

Date	Discharge (ft ³ /s)
11-15-55	0

Aurora Creek near Beaver, Oklahoma, Miscellaneous site.

Lat. 36°50'00", long. 100°20'00", SW 1/4 SE 1/4 sec.6, T.4 N., R.24 E., at bridge on U.S. Highway 270 1 mile north of Beaver, Okla.

Date	Discharge (ft ³ /s)
10-23-51	6.56

Bear Creek near Fallis, Oklahoma, Miscellaneous site.

Lat. 35°46'00", long. 97°07'31", NE 1/4 sec.31, T.15 N., R.2 E., at bridge on county road, 1/2 mile southwest of Fallis, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-17-53	.80	4-19-54	1.00	8-20-54	0	4-11-55	.61
12-20-53	1.60	6- 1-54	5.50	10- 5-54	0	5-31-55	.73
2- 1-54	.99	7-12-54	0	11-18-54	0	7-11-55	0
3- 9-54	1.88					8-17-55	0

Beaver (Sand) Creek near Texhoma, Oklahoma, 07232400, partial record site.

Lat. 36°36'08", long. 101°47'50", on east line, sec.31, T.2 N., R.12 E., Texas County, at bridge on State Highway 95, 6.5 miles north of Texhoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-66	0	2-26-68	0	5-27-69	0	8- 7-70	0
1-17-67	0	5-20-68	0	8-21-69	0	12- 2-71	0
4-24-67	0	8-26-68	0	12- 3-69	0	3- 5-71	0
8- 7-67	0	12-24-68	0	3-10-70	0	6-15-71	0
10-16-67	0	3-28-69	0	5-19-70	0	9-21-71	0

Beaver Creek near Kaw City, Oklahoma, Miscellaneous site.

Lat. 36°48'00", long. 96°49'00", SE 1/4 SW 1/4 sec.24, T.27 N., R.4 E., at county highway bridge, 2 miles north of Kaw City, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-10-53	0	4-26-54	2.09	10-13-54	0	4- 5-55	0
12-16-53	0	5-11-54	6.96	11- 3-54	0	5- 3-55	0
1-12-54	0	6- 2-54	13.8	12-15-54	0	6-28-55	.02
2-16-54	0	7- 6-54	0	1- 3-55	0	7-13-55	0
3- 1-54	.01	8- 2-54	0	2- 1-55	0	8- 1-55	0
4- 5-54	0	9- 9-54	0	3- 7-55	0		

Beaver Creek near Waurika, Oklahoma, Miscellaneous site.

Lat. 34°00'00", long. 98°00'00", near center north line sec.2, T.5 S., R.8 W., at bridge on U.S. Highway 70, at Waurika, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-20-49	0	8-16-49	0	10-31-50	40.7	10-29-59	16.6
8- 6-49	0						

LOW-FLOW MEASUREMENTS--Continued.

Bent Creek near Richmond, Oklahoma, 0723780, partial record site.

Lat. 36°11', long. 99°02', SE 1/4 SE 1/4 sec.21, T.20 N., R.17 W., 2 miles east of Richmond, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-20-44	2.03	5-22-56	0	4-12-57	1.62	9-11-57	.11
9-28-48	1.51	6-18-56	0	7-11-57	3.64	10-17-57	1.32
3-16-56	1.19	2-26-57	.94	8-14-57	.13	11-12-57	1.45
4-18-56	.74					12-20-57	1.83

Bent Creek near Seiling, Oklahoma, 07237800, partial record site.

Lat 36°11'26", long. 99°00'36", in NW 1/4 SE 1/4 sec.21, T.20 N., R.17 W., Woodward County, at bridge on U.S. Highways 183 and 270, 6 miles northwest of Seiling, and at mile 2.0.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11- 5-70	.63	9-8-71	0	2-17-72	1.7	8-15-72	1.3
3- 4-71	1.5	12-16-71	1.3	5-25-72	1.1	12-21-72	3.1
5-27-71	.77					3- 2-73	5.5

Big Canyon Springs near Fittstown, Oklahoma, Miscellaneous site.

Lat. 34°32', long. 96°37', SE 1/4 SE 1/4 sec.19, T.1 N., R.7 E., at site 5-3/4 miles southeast of Fittstown, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8-17-54	1.06	12-22-54	1.04

Bitter Creek near Chickasha, Oklahoma, Miscellaneous site.

Lat. 35°00', long. 97°51', NW 1/4 sec.16, T.6 N., R.6 W., at county highway bridge, 3/4 mile south of Lucille and 6 miles southeast of Chickasha, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-30-51	8.74	3- 6-52	4.22	4-25-52	6.05	6- 3-52	13.3
1-16-52	1.39						

Bitter Creek near Hitchcock, Oklahoma, Miscellaneous site.

Lat. 36°02'00", long. 96°32'46", NE 1/4 SW 1/4 sec.28, T.18 N., R.11 W., at county highway bridge, 3 miles northwest of Hitchcock, Okla.

Date	Discharge (ft ³ /s)
8-17-54	0

Bitter Creek near Watonga, Oklahoma, Miscellaneous site.

Lat. 35°49'50", long. 98°32'46", SW 1/4 NW 1/4 sec.19, T.17 N., R.11 W., in Roman Nose State Park, 6-1/2 miles northwest of Watonga, Okla.

Date	Discharge (ft ³ /s)
8-17-54	.44

LOW-FLOW MEASUREMENTS--Continued.

Black Bear Creek near Pawnee, Oklahoma, Miscellaneous site.

Lat. 63°20'18", long. 96°32'46", NE 1/4 SE 1/4 sec.31, T.22 N., R.6 E., at county highway bridge, 1/2 mile downstream from Camp Creek and 6 miles east of Pawnee, Okla.

Date	Discharge (ft ³ /s)
10-24-52	.72

Black Fork near Page, Oklahoma, Miscellaneous site.

Lat. 34°52'30", long. 94°30', in sec.5, T.13 N., R.27 E., at highway bridge, 2.0 miles west of Arkansas-Oklahoma State line, 5.0 miles northeast of Page, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8- 7-58	1.87	11- 6-58	.05	8-18-59	0	8-11-60	4.19
10- 8-58	.11	7- 2-59	.35	7-20-60	14.9	9-14-60	1.14

Blue Creek near Connerville, Oklahoma, Miscellaneous site,

Lat. 34°24'30", long. 96°38', SW 1/4 sec.24, T.1 S., R.6 E., at bridge on State Highway 99, 1/4 mile north of Connerville, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-10-51	36.3	2- 4-53	15.0	5-28-54	67.9	10-31-55	20.2
11-27-51	25.9	3-10-53	18.6	7-14-54	28.9	1- 4-56	15.3
1-16-52	19.7	4-14-53	25.6	8-24-54	23.4	2-14-56	18.0
3- 5-52	23.8	6- 2-53	37.6	9-16-54	20.7	3-29-56	15.4
4-23-52	160.	6-23-53	29.7	11-23-54	17.9	5-21-56	14.2
6-11-52	37.5	8-19-53	34.6	12-21-54	22.1	6-19-56	20.1
7-22-52	21.6	9-30-53	24.4	2- 1-55	28.0	7-18-56	14.2
9- 3-52	19.3	11-17-53	22.7	3- 2-55	26.6	8-21-56	14.7
10- 9-52	18.9	1-12-54	23.2	6-13-55	25.6	8-28-56	13.2
11-18-52	18.0	2-25-54	22.7	7-27-55	17.4	9-24-56	11.8
12-23-52	16.4	4-20-54	16.0	9-21-55	15.1	11-27-56	11.2

Blue Creek at Milburn, Oklahoma, 07332400, partial record site.

Lat 34°15', long. 97°30', SW 1/4 SW 1/4 sec.35, T.3 S., R.7 E., on downstream side of left bank pier of bridge on State Highway 48A, 1/2 mile north of Milburn.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8-28-56	13.6	11-12-57	262.0	1- 8-59	40.4	8-25-60	71.2
9-24-56	14.9	1-17-58	170.0	6- 9-59	15.7	12- 1-60	67.1
11-27-56	19.1	3-19-58	114.0	9-15-59	33.2	1-12-61	124.0
1-21-57	25.6	6-11-58	120.0	10-27-59	51.4	3- 1-61	74.0
3-13-57	46.7	9- 5-58	54.3	12- 8-59	37.3	5-17-61	59.4
7-31-57	92.0	11- 5-58	33.8	3-23-60	82.8	7-19-61	50.0
10- 2-57	149.0						

Boggy Creek near Bessie, Oklahoma, Miscellaneous site.

Lat. 35°22'09", long. 98°58'30", SW 1/4 sec.2, T.10 N., R.17 W., at bridge on U.S. Highway 183, 1-1/2 miles southeast of Bessie, Okla.

Date	Discharge (ft ³ /s)
8-27-52	0

LOW-FLOW MEASUREMENTS--Continued.

Boggy Creek near Cordell, Oklahoma, Miscellaneous site.

Lat. 35°18'55", long. 98°54'51", S line sec.27, T.10 N., R.16 W., at county highway bridge 6 miles east of Cordell, Okla.

Date	Discharge (ft ³ /s)
7- 9-52	.12

Boggy Creek near Lamont, Oklahoma, Miscellaneous site.

Lat. 36°40'37", long. 97°26'17", north line sec.32, T.26 N., R.3 W., at bridge on U.S. Highway 60, 3/4 mile east of Lamont, Oklahoma.

Date	Discharge (ft ³ /s)
10-27-47	.04

Bois d'Arc Creek near Ponca City, Oklahoma, 07152250, partial record site.

Lat. 36°40'00", long. 97°07'30", on south line SW 1/4 SE 1/4 sec.6, T.25 N., R.2 E., Kay County, at county road bridge 1 mile south and 0.5 mile east of junction of U.S. Highways 60 and 77, 5 miles southwest of Ponca City and about 4 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 3-52	.95	8- 9-67	3.9	5-21-69	5.5	11-12-70	.87
1-13-65	10.4	9-29-67	4.7	8- 1-69	3.2	3-23-71	2.8
7-16-65	3.08	1-21-68	4.5	12-22-69	6.8	6-24-71	2.8
11- 3-65	.57	4-16-68	4.9	2-17-70	8.4	8-19-71	.05
3- 9-66	2.5	7-30-68	1.6	5-12-70	6.5	11-11-71	3.3
6- 1-66	.31	10- 9-68	3.8	6-29-70	2.3	3- 7-72	4.3
11-22-66	.31	2-11-69	4.4	8-12-70	.05	4-18-72	5.6
3- 1-67	3.0					7-11-72	.20

Brush Creek near Wyandotte, Oklahoma, Miscellaneous site.

Lat. 36°47'04", long. 94°40'34", SE 1/4 sec.35, T.27 N., R.24 E., at county highway bridge, 3 miles southeast of Wyandotte, Okla.

Date	Discharge (ft ³ /s)
12-21-53	3.38

Buck Creek near Moyers, Oklahoma, 07335900, partial record site.

Lat 34°20'22", long. 95°35'55", in NE 1/4 sec.32, T.2 S., R.16 E., Pushmataha County, at bridge on State Highway 144, 1 mile northeast of Moyers.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11- 4-55	.46	10-15-59	1.38	10-11-63	0	2-15-68	47.0
12- 1-55	1.39	10-27-59	7.72	12- 3-63	0	9-13-68	.03
1- 5-56	.69	12- 8-59	5.01	2-18-64	6.85	12-11-68	36.0
2-14-56	83.0	1-26-60	62.5	9-16-64	3.86	5-13-69	83.0
4-11-56	10.3	3-22-60	44.4	12-15-64	51.6	8-13-69	.31
5-22-56	2.99	11-30-60	2.16	3-10-65	45.1	12- 9-69	5.7
7-18-56	.23	2-28-61	100.	6-17-65	18.2	12-18-69	9.9
8-21-56	2.70	5-16-61	17.4	12-22-65	1.6	4-15-70	26.0
10- 1-56	0	11- 1-61	6.76	3-15-66	36.0	8-12-70	0
12- 4-56	.83	2-13-62	35.9	4- 7-66	3.8	3- 4-71	64.0
1-21-57	5.56	5-17-62	7.56	6- 8-66	.58	6-22-71	1.8
7-30-57	.84	7-10-62	.79	8-31-66	4.8	7-28-71	5.9
10- 3-57	26.6	8-14-62	.06	2-16-67	3.6	8-31-71	.18
2-19-59	8.84	12-19-62	14.6	5-25-67	25.0	3-28-72	.63
7- 8-59	6.04	5-21-63	2.92	8-30-67	0	6-12-72	0
7-15-59	1.03	8-20-63	0	12- 7-67	5.2	8-23-72	0
8-26-59	.53						

LOW-FLOW MEASUREMENTS--Continued.

Buffalo Creek near Edith, Oklahoma, Miscellaneous site.

Lat. 36°46'37", long. 99°17'04", SW 1/4 sec.36, T.27 N., R.20 W., at bridge on county road 5-1/2 miles west of Edith, Okla.

Date	Discharge (ft ³ /s)
11-11-43	3.02

Buffalo Springs near Sulfur, Oklahoma, Miscellaneous site.

Lat. 34°30'00", long. 96°57'43", SE 1/4 NW 1/4 NE 1/4 sec.1, T.1 S., R.3 E., in Platt National Park, 2 miles east of Sulfur, Okla.

Date	Discharge (ft ³ /s)
11-15-55	0

Byrd's Mill Spring near Ada, Oklahoma, Miscellaneous site.

Lat. 34°36', long. 96°40', SW 1/4 sec.34, T.2 N., R.6 E., 2 miles southwest of Fittstown and 12 miles south of Ada, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-5-52	11.9	8-17-54	17.1	12-17-56	5.60	1-28-59	4.07
3-18-53	10.5	12-22-54	11.3	4-9-57	11.3	8-27-59	2.42
9-30-53	16.0	11-29-55	10.3	7-9-57	33.1	9-14-59	1.41
4-20-54	11.1	4-10-56	7.76	12-13-57	27.1		

Cache Creek near Medicine Park, Oklahoma, Miscellaneous site.

Lat. 34°43'23", long. 98°24'34", SE 1/4 sec.18, T.3 N., R.11 W., at bridge on county road, 2 miles south of Richards Spur and 6 miles east of Medicine Park, Okla.

Date	Discharge (ft ³ /s)
10-31-52	0

Cache Creek near Lawton, Oklahoma, Miscellaneous site.

Lat. 34°34'37", long. 98°22'17", SE 1/4 sec.8, T.1 N., R.11 W., at bridge on county road, 2-1/2 miles south of Lawton, Okla.

Date	Discharge (ft ³ /s)
10-31-52	6.10

Caney Creek near Caney, Oklahoma, Miscellaneous site.

Lat. 34°14'46", long. 96°12'34", in SW 1/4 sec.36, T.3 S., R.10 E., at site 300 ft above mouth and 1 mile north of Caney.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-25-58	13.6	4-7-58	18.7	7-11-60	3.05

LOW-FLOW MEASUREMENTS--Continued.

Captain Creek near Wellston, Oklahoma, Miscellaneous site.

Lat. 35°42'00", long. 97°04'00", NE 1/4 sec.15, T.14 N., R.2 E., at bridge on U.S. Highway 66, 1/2 mile west of Wellston, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-17-53	2.82	12-15-54	0	11-21-55	0	8-13-56	0
12-19-53	2.24	2-15-55	0	1-6-56	0	8-27-56	0
2-1-54	2.85	4-11-55	1.88	1-24-56	1.16	9-29-56	0
3-9-54	2.86	5-31-55	1.41	2-29-56	.33	11-14-56	0
4-19-54	1.27	7-11-55	0	4-10-56	1.42	2-6-57	0
6-1-54	2.39	8-17-55	0	5-14-56	0	3-25-57	.15
7-12-54	0	10-11-55	0	6-11-56	0	6-25-57	24.9
8-20-54	0	10-26-55	0	7-3-56	0	9-5-57	0
10-5-54	0	11-7-55	0	7-13-56	0		

Cavalry Creek near Cordell, Oklahoma, Miscellaneous site.

Lat. 35°17'18", long. 98°51'25", SW 1/4 sec.1, T.9 N., R.16 W., at bridge on State Highway 54, 8 miles east of Cordell, Okla.

Date	Discharge (ft ³ /s)
7-9-52	.98

Cedar Creek near Carnegie, Oklahoma, Miscellaneous site.

Lat. 35°09'00", long. 98°35'00", SW 1/4 sec.29, T.8 N., R.13 W., at bridge on State Highway 58, 2 miles north of Carnegie, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-9-52	2.10	3-16-55	2.56	8-30-56	.80	2-19-59	2.67
9-15-53	1.12						

Chisholm Creek near Seward, Oklahoma, Miscellaneous site.

Lat 35°46'00", long. 97°31'30", SE 1/4 sec.9, T.15 N., R.3 S., 1-1/2 miles southwest of Seward, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
5-16-41	5.10	11-18-43	.86	1-26-45	1.26	11-29-46	.95
7-9-41	1.77	3-9-44	1.58	2-24-45	1.40	2-14-47	1.37
9-23-41	2.79	4-4-44	2.55	10-23-45	1.90	3-27-47	1.31
11-16-42	2.08	5-18-44	3.40	11-20-45	1.92	6-16-47	3.31
12-14-42	2.41	6-27-44	1.62	2-8-46	.99	8-27-47	0
2-5-43	4.57	7-19-44	2.47	3-20-46	6.52	10-23-59	6.26
3-9-43	1.07	8-24-44	0	6-5-46	2.47	10-29-59	5.12
4-15-43	3.08	10-16-44	1.92	7-24-46	.15	12-14-59	4.65
6-30-43	1.06	11-17-44	.31	9-16-46	0	5-16-60	6.20
9-25-43	0						

Chisholm Creek near Edmond, Oklahoma, Miscellaneous site.

Lat 34°41'00", long 97°30'00", SW 1/4 sec.28, T.14 N., R.3 W., 2 miles west of Edmond, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
5-16-41	.31	11-16-42	.12	3-9-43	.41	9-25-43	.15
7-9-41	.03	12-14-42	.50	4-15-43	.25	10-23-59	.21
9-23-41	.38	2-5-43	.52	6-30-43	.15		

LOW-FLOW MEASUREMENTS--Continued.

Chuckwa Creek near Durant, Oklahoma, Miscellaneous site.

Lat. 34°00'00", long. 96°25'43", SE 1/4 sec.24, T.6 S., R.8 E., at bridge on county road, 1-3/4 miles northwest of Durant, Okla.

Date	Discharge (ft ³ /s)
10- 8-52	.27

Clear Boggy Creek near Frisco, Oklahoma, Miscellaneous site.

Lat 34°38'45", long 96°35', NW 1/4 sec.16, T.2 N., R.7 E., at Frisco, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 8-54	1.45	6-19-56	.01	2-24-58	27.7	1-28-59	5.34
9-21-54	.98	12-12-57	20.6	4- 7-58	42.1		

Clear Boggy Creek near Tupelo, Oklahoma, 07334400, partial record site.

Lat. 34°32'45", long. 96°24'30", in NE 1/4 sec.24, T.1 N., R.8 E., Coal County, at bridge on State Highway 48, 700 feet downstream from Goose Creek and 4 miles south of Tupelo.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-12-57	71.7	9-11-61	59.0	3- 9-65	43.6	6-10-69	87.0
2-24-58	80.1	10-31-61	70.2	5-24-65	48.8	8-11-69	20.0
3- 7-58	103.	5-16-62	58.4	11-22-65	11.0	12-11-69	50.0
11- 4-58	15.1	7-11-62	21.2	3-17-66	29.0	2-20-70	42.0
9-14-59	10.5	8-15-62	14.7	6-28-66	4.8	5-20-70	60.0
10-26-59	33.0	9-19-62	64.9	11-22-66	6.8	7-16-70	22.0
12- 7-59	37.0	12-19-62	74.6	2-13-67	7.6	12- 1-70	64.0
1-25-60	135.0	2- 8-63	59.6	6-16-67	36.0	3- 4-71	54.0
3-21-60	95.0	4-22-63	42.5	8-29-67	7.0	6-28-71	22.0
9-13-60	18.5	8-19-63	7.57	12- 6-67	36.0	7-29-71	10.0
11-29-60	77.8	10-11-63	5.77	2-19-68	100.0	1-26-72	50.0
1-10-61	83.0	12- 2-63	15.7	6-20-68	82.0	2- 8-72	49.0
2-27-61	85.0	2-17-64	5.75	9-11-68	29.0	4-18-72	27.0
5-15-61	38.4	9-15-64	6.10	12-10-68	80.0	8- 2-72	5.3

Clear Creek near Beaver, Oklahoma, Miscellaneous site.

Lat. 36°38'49", long. 100°32'00", east line sec.13, T.2 N., R.23 E., at bridge on U.S. Highway 270, 12 miles south of Beaver, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7- 7-49	.81	4-11-50	1.19

Clear Creek near Elmwood, Oklahoma, Miscellaneous site.

Lat. 34°39'00", long. 100°30'00", east line sec.13, T.2 N., R.23 E., at bridge on U.S. Highway 270, 3 miles southwest of Elmwood, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 8-51	1.11	2-28-52	1.63	4-17-52	2.04	6-19-52	.72
1- 7-52	1.61					8-11-52	.51

LOW-FLOW MEASUREMENTS--Continued.

Clear Creek near May, Oklahoma, 07234300, partial record site.

Lat. 36°39'22", long. 99°51'00", in SW 1/4 sec.24, T.25 N., R.25 W., Harper County, at bridge on U.S. Highway 270, 8.5 miles west of May.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-31-53	5.59	8- 2-59	4.39	3-15-63	8.88	2- 7-68	8.4
2-18-54	9.23	8-30-59	8.05	7-25-63	2.74	4-10-68	6.8
9- 8-54	2.12	10-29-59	7.56	10-17-63	7.73	8- 9-68	5.4
11-17-54	6.54	12- 9-59	6.77	12- 5-63	6.90	11-20-68	7.5
1-24-55	9.60	1- 6-60	22.4	2-13-64	9.63	3-19-69	12.0
3-29-55	8.70	2-19-60	14.3	5-28-64	8.39	6-26-69	7.0
7-28-55	6.84	3-25-60	10.9	9- 1-64	3.88	8- 6-69	3.2
10-19-55	7.02	4-22-60	8.00	12-29-64	8.10	12-17-69	6.4
3-21-56	9.34	5-27-60	4.35	3- 2-65	21.5	2-26-70	6.5
8-15-56	3.11	6-27-60	1.88	4-27-65	8.20	4-16-70	7.2
9-25-56	3.10	8-22-60	5.68	7-20-65	13.5	7-24-70	3.9
12-20-56	7.75	10-24-60	6.53	10- 7-65	9.2	11- 6-70	7.0
9-26-57	6.90	1- 6-61	5.83	3- 3-66	9.7	3-11-71	10.0
10-30-57	11.7	3- 2-61	9.16	3- 8-66	6.5	5-28-71	7.3
12- 2-57	14.2	4-20-61	8.69	4-26-66	8.1	9- 9-71	1.2
3-26-58	10.5	6-16-61	8.16	7- 6-66	3.4	12-17-71	7.9
7-25-58	8.41	7-21-61	11.0	10- 6-66	4.6	3-16-72	7.1
10-31-58	8.28	10- 6-61	8.45	1-17-67	9.0	6- 8-72	3.6
2-25-59	8.89	1-16-62	5.47	5-11-67	4.7	12-21-72	11.0
4-20-59	7.01	5-21-62	4.18	7-28-67	3.8	3- 1-73	9.6
7-14-59	4.32	8-13-62	6.72	11- 1-67	5.6	5-22-73	7.9

Cobb Creek near Alfalfa, Oklahoma, Miscellaneous site.

Lat. 35°17'04", long. 98°37'25", SE 1/4 NW 1/4 sec.31, T.10 N., R.13 W., at county highway bridge, 4-1/2 miles north of Alfalfa, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 8-53	2.01	2-14-55	6.25

Cobb Creek near Swan Lake, Oklahoma, Miscellaneous site.

Lat. 35°13'50", long. 98°32'17", SE 1/4 SE 1/4 sec.22, T.9 N., R.13 W., at county highway bridge, 2 miles west of Swan Lake, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 8-53	2.94	2-15-55	12.8

Cochran Creek near Marietta, Oklahoma, Miscellaneous site.

Lat. 33°54'41", long. 97°01'08", near center of south line sec.29, T.7 S., R.3 E., 6-1/2 miles southeast of Marietta, Oklahoma.

Date	Discharge (ft ³ /s)
3-23-49	.16

Coffee Creek near Arcadia, Oklahoma, Miscellaneous site.

Lat. 35°39'41", long. 97°20'51", east line sec.30, T.14 N., R.1 W., 2 miles southwest of Arcadia, Oklahoma.

Date	Discharge (ft ³ /s)
8-15-50	4.89

LOW-FLOW MEASUREMENTS--Continued

Cold Springs Creek near Castaneda, Oklahoma, 07155200, partial record site.

Lat. 36°52'30", long. 102°38'15", in SW 1/4 NW 1/4 sec.28, T.5 N., R.4 E., Cimarron County, at county road bridge, 6 miles west of Castaneda and 9.7 miles northwest of Boise City, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-66	0	5-20-68	0	8-11-68	0	11-10-70	0
1-16-67	.07	7-23-68	0	12- 3-69	0	3- 1-71	0
4-24-67	0	12-11-68	0	3- 9-70	.05	6-22-71	0
7-24-67	0	3-11-68	0	5-19-70	0	9-14-71	0
2-26-68	.05	5-27-68	0	7-30-70	0		

Commission Creek near Grand, Oklahoma, 07228150, partial record site.

Lat. 36°02'00", long. 99°55'00", west line of SW 1/4 SE 1/4 sec.18, T.18 N., R.25 W., at bridge on State Highway 46, half a mile upstream from Hog Creek and 8 miles northwest of Grand, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-26-64	2.64	11- 9-65	5.50	2-17-66	6.0	5-12-66	4.4
3-26-65	5.47						

Cottonwood Creek near Guthrie, Oklahoma, 07159800, partial record site.

Lat. 35°52'45", long. 97°26'30", in SE 1/4 sec.18, T.16 N., R.2 W., Logan County, at county road bridge, 2 miles southwest of Guthrie, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-51	10.5	4-11-55	2.74	3- 3-58	18.9	10-11-63	15.8
1-26-52	16.9	5- 4-55	.18	5-19-58	31.1	3- 9-65	14.4
3- 5-52	38.1	7-11-58	9.89	6-11-58	11.1	7-14-65	6.68
5- 9-52	11.2	9-21-55	5.18	10- 8-58	20.2	11- 5-65	8.5
6- 9-52	13.8	10-27-55	32.3	11-18-58	16.0	3- 8-66	12.0
7-22-56	1.15	11- 9-55	19.7	1-28-59	25.2	5-25-66	15.0
9- 4-52	0	12-20-55	16.9	2-16-59	21.5	10-10-66	19.0
1- 5-53	8.76	1- 9-56	14.9	3-19-59	26.2	2-27-67	9.0
2- 4-53	4.27	2-14-56	19.9	4- 9-59	20.3	8- 8-67	16.0
3-24-53	7.25	3- 8-56	11.1	6- 9-59	14.8	9-29-67	26.0
4-15-53	8.44	4- 3-56	10.0	8-19-59	.16	12-28-67	17.0
5-22-53	7.53	5- 2-56	7.08	9-15-59	3.99	3- 5-68	10.0
6-23-53	.01	6- 5-56	38.5	10-23-59	76.1	4-15-68	8.1
8-10-53	1.54	7-16-56	.91	10-29-59	50.6	7-10-68	20.0
9-23-53	0	8-27-56	0	12- 1-59	39.5	10- 8-68	23.0
10- 9-53	1.99	9-17-56	0	12-13-59	39.7	5-21-69	28.0
11- 6-53	6.15	10-17-56	23.9	2-17-60	89.6	9- 9-69	9.9
12-21-53	12.2	11-14-56	.37	3-23-60	65.0	12-22-69	13.0
1- 4-54	10.5	12- 5-55	.23	4-12-60	48.6	2-20-70	8.2
2- 5-54	10.6	1- 3-57	19.4	5-16-60	42.4	5-22-70	14.0
3- 2-54	10.0	1- 7-57	12.5	10- 5-60	16.9	7- 2-70	7.2
4-12-54	8.46	2- 6-57	3.55	12- 1-60	38.9	8-10-70	3.2
5-13-54	26.0	3- 1-57	2.09	1-10-61	34.7	11- 5-70	16.0
6- 3-54	17.2	4-29-57	41.7	3-16-61	34.8	3-17-71	17.0
7- 8-54	.20	5- 8-57	69.8	4- 7-61	53.5	8-4-71	11.0
9-23-53	0	6-17-57	50.1	5-18-61	35.5	9- 1-71	5.2
10-13-54	0	7-24-57	31.8	6-23-61	24.1	11- 4-71	14.0
11-16-54	0	8- 8-57	11.1	10- 4-61	33.4	3-31-72	1.0
12-16-54	0	9-11-57	8.01	11-20-61	79.5	4- 4-72	4.3
1-12-55	1.6	10- 2-57	15.6	12- 6-61	59.1	6-21-72	4.8
2-15-55	2.27	12- 5-57	25.9	8-14-62	13.9	8- 3-72	3.6
3- 8-55	.30	2- 5-58	21.2	8-12-63	6.76		

Cottonwood Creek near Seward, Oklahoma, 07159750, partial record site.

Lat 35°47'00", long. 97°32'00", SW 1/4 sec.9, T.15 N., R.3 W., 2 miles west of Seward, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
5-16-41	42.4	11-16-42	9.47	4-15-43	15.0	11-18-43	2.30
7- 9-41	12.7	12-14-42	12.6	6-30-43	3.94	12-13-59	34.6
9-23-41	14.0	2- 5-43	20.4	9-25-43	0		

LOW-FLOW MEASUREMENTS--Continued

Cottonwood Creek near Navina, Oklahoma, Miscellaneous site.

Lat. 35°46'30", long. 97°35'00", NW 1/4 SW 1/4 sec.13, T.15 N., R.4 W., 2 miles southwest of Navina, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3- 9-44	3.68	5-22-45	7.77	6- 5-46	1.70	9-26-49	.08
4- 4-44	6.75	6-20-45	2.54	7-24-46	0	3- 9-50	0
6-27-44	1.90	7-19-45	15.8	9-16-46	0	9- 8-50	3.07
7-19-44	.78	8-24-45	1.91	11-29-46	1.90	8-20-51	2.30
8-24-44	0	10-23-45	4.75	2-14-47	1.84	1-28-52	3.22
10-16-44	5.33	11-20-45	4.31	3-27-47	1.04	7-28-52	0
11-15-44	1.48	2- 8-46	2.23	6-16-47	3.68	10-23-59	15.8
1-26-45	3.22	3-20-46	4.31	8-27-47	8.00	10-29-59	11.5
2-23-45	4.72	4-30-46	3.64	4-12-49	4.05	12-14-59	7.60
4- 7-45	4.24					5-15-60	9.01

Cow Creek at Waurika, Oklahoma, 07313600, partial record site.

Lat 34°10'55", long. 98°00'05", in SE 1/4 NE 1/4 sec.26, T.4 S., R.8 W., Jefferson County, at Chicago, Rock Island and Pacific Railway Co. bridge, near north edge of Waurika, and at mile 1.7. (Regular gaging station 1966-1970)

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
6-15-66	1.1	7-27-68	1.4	7-20-69	1.25	10-19-71	3.8
7-16-66	0	8-27-68	1.2	8- 6-69	.23	1-12-72	5.4
8- 9-66	.70	8- 1-69	1.8	8-16-69	.01	4- 4-72	3.9
11- 1-66	3.5	8-21-69	1.5	11-18-70	7.5	7-19-72	3.6
8-19-67	.87	10-23-69	2.4	1-20-71	4.4	10-11-72	
9-26-67	2.9	8-11-69	.08	4- 6-71	4.2	2-21-73	
10-25-67	1.6	10-28-69	4.30	7-21-71	1.9	5-15-73	

Crooked Creek near Gate, Oklahoma, Miscellaneous site.

Lat. 34°58'37", long. 94°26'54", SE 1/4 sec.26, T.6 N., R.27 E., at mouth, 7 miles north of Gate, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-31-43	9.19	6-17-43	6.43	7- 7-43	0	7-22-43	0

Cummings' Spring near Connerville, Oklahoma, Miscellaneous site.

Lat. 34°26'04", long. 96°39'25", NE 1/4 SW 1/4 sec.24, T.1 S., R.6 E., 150 ft below spring, 1/2 mile northeast of Connerville, Okla.

Date	Discharge (ft ³ /s)
6-19-56	2.83

Dead Indian Creek near Cheyenne, Oklahoma, Miscellaneous site.

Lat. 35°43'34", long. 98°38'17", west line sec.6, T.14 N., R.13 W., at bridge on U.S. Highway 283, 7 miles north of Cheyenne, Oklahoma.

Date	Discharge (ft ³ /s)
9-14-47	.59

LOW-FLOW MEASUREMENTS--Continued.

Dead Indian Creek near Roll, Oklahoma, Miscellaneous site.

Lat. $35^{\circ}46'23''$, long. $99^{\circ}45'25''$, on north line of sec.22, T.15 N., R.24 W., at county highway bridge, 2 miles southwest of Roll, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-13-56	.11	3-20-56	.94

Deep Creek near Sayre, Oklahoma, Miscellaneous site.

Lat. $35^{\circ}17'18''$, long. $99^{\circ}36'34''$, on north line, sec.2, T.9 N., R.23 W., at bridge on State Highway 152, 1-1/2 miles east of Sayre, Okla.

Date	Discharge (ft ³ /s)
2-14-57	.06

Deep Creek near Seiling, Oklahoma, Miscellaneous site.

Lat. $36^{\circ}11'32''$, long. $99^{\circ}00'00''$, SE 1/4 sec.26, T.20 N., R.17 W., at bridge on U.S. Highway 270, 3 miles northwest of Seiling, Okla.

Date	Discharge (ft ³ /s)
9-28-48	.07

Deep Creek near Washita, Oklahoma, Miscellaneous site.

Lat. $35^{\circ}06'00''$, long. $98^{\circ}22'51''$, NW 1/4 sec.9, T.7 N., R.11 W., at county highway bridge, 1-1/2 miles west of Washita, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7- 9-52	.57	10- 1-52	.20

Deep Fork near Arcadia, Oklahoma, Miscellaneous site.

Lat. $35^{\circ}38'58''$, long. $97^{\circ}21'41''$, NW 1/4 sec.31, T.14 N., R.1 W., at county highway bridge 2 miles southwest of Arcadia, Oklahoma.

Date	Discharge (ft ³ /s)
9-25-30	12.5

Deep Fork near Stroud, Oklahoma, Miscellaneous site.

Lat. $35^{\circ}41'32''$, long. $96^{\circ}40'00''$, NW 1/4 SW 1/4 sec.15, T.14 N., R.6 E. at bridge on State Highway 99, 4-1/2 miles south of Stroud, Okla.

Date	Discharge (ft ³ /s)
11-18-53	27.0

LOW-FLOW MEASUREMENTS--Continued

Deep Fork near Welty, Oklahoma, Miscellaneous site.

Lat. 35°40', long. 96°20', NW 1/4 NE 1/4 sec.24, T.14 N., R.8 E., at county highway bridge, 4 miles north of Welty, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-28-53	39.0	8-20-54	2.40	7-11-55	18.1	8-27-56	0
12-29-53	37.1	10- 5-54	0	8-17-55	11.9	11-14-56	0
2- 1-54	40.3	11-18-54	0	11-21-55	15.2	1- 3-57	18.0
3- 9-54	34.9	1-17-55	12.9	1-16-56	14.0	2- 6-57	19.9
4-19-54	36.8	3- 2-55	17.2	2-29-56	21.3	3-25-57	17.8
6- 1-54	146.0	4-11-55	20.6	4-10-56	45.4	9- 5-57	9.60
7-12-54	2.45	5-31-55	385.0	7-13-56	54.3		

Deep Red Run near Randlett, Oklahoma, Miscellaneous site.

Lat. 34°13'23", long. 98°26'34", SW 1/4 sec.10, T.4 S., R.12 W., at bridge on U.S. Highway 277, 3 miles north of Randlett, Okla.

Date	Discharge (ft ³ /s)
8-17-49	1.98

Deer Creek near Edmond, Oklahoma, Miscellaneous site.

Lat. 35°41'30", long. 97°35'30", NW 1/4 SW 1/4 sec.13, T.14 N., R.4 W., 6 miles northwest of Edmond, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3- 9-44	4.66	4- 7-45	7.46	6- 5-46	5.79	3- 9-50	3.89
4- 4-44	9.04	5-22-45	22.2	7-24-46	.18	9- 8-50	4.27
5-18-44	2.41	6-20-45	27.3	9-16-46	0	8-20-51	1.79
6-27-44	0	7-19-45	47.7	11-29-46	1.75	1-26-53	2.33
7-19-44	0	8-24-45	6.7	2-14-47	3.03	7-23-53	0
8-24-44	0	10-23-45	19.5	3-27-47	4.17	10-23-59	26.4
10-16-44	0	11-20-45	9.88	6-16-47	9.14	10-29-59	17.7
11-15-44	0	2- 8-46	10.2	8-27-47	1.00	12-14-59	14.9
1-26-45	2.40	3-20-46	18.0	4-12-49	8.37	5-16-60	20.0
2-23-45	4.21	4-30-46	9.29	9-26-49	2.23		

Deer Creek near Hydro, Oklahoma, Miscellaneous site.

Lat. 35°33'00", long. 98°35'00", NW 1/4 SW 1/4 sec.4, T.12 N., R.13 W., at county highway bridge, 1/4 mile south of Hydro, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8- 6-51	7.53	8-26-54	3.01	5- 7-56	10.7	3-30-58	20.1
10- 8-51	14.4	9-15-54	2.57	8- 7-56	1.04	4-29-58	20.9
11-28-51	21.4	10-18-54	2.83	9-10-56	1.53	5-21-58	16.0
1-14-52	22.6	11-15-54	8.03	10-31-56	14.5	7-15-58	11.8
3- 4-52	14.4	12-15-54	9.60	11-27-56	9.80	8-27-58	6.23
4-23-52	74.3	1-17-55	12.6	3-12-57	14.3	10-21-58	7.44
6- 6-52	22.6	2-14-55	13.3	4- 2-57	16.5	12- 2-58	15.2
7-22-52	1.81	3-16-55	13.0	4-30-57	46.8	1-13-59	16.8
8-19-52	2.62	4-19-55	12.2	5- 8-57	35.4	2-17-59	16.4
10- 1-53	3.48	6-23-54	8.23	5-15-57	48.6	4-27-59	17.2
11- 2-53	10.3	7-21-55	21.3	7- 1-57	20.4	6- 9-59	34.9
12- 1-53	14.2	8-22-55	5.97	7-29-57	9.69	7-30-59	49.1
1-18-54	14.7	10-18-55	26.0	8-16-57	7.78	8-27-59	13.8
2-15-54	14.8	11-22-55	18.8	9- 5-57	6.60	9-22-59	13.5
3-15-54	14.0	12-15-55	17.7	11-14-57	17.7	10-20-59	43.6
5- 4-54	13.7	1- 5-56	17.1	12-19-57	17.3	12- 1-59	33.8
6- 2-54	24.9	1-31-56	4.02	1-28-58	17.3	7- 8-60	27.5
6-29-54	8.23	3- 1-56	16.3	3-11-58	20.2	7-25-60	27.2
7-27-54	3.09					9- 1-60	19.0

LOW-FLOW MEASUREMENTS--Continued.

Deer Creek near Tonkawa, Oklahoma, 07150900 partial record site.

Lat. 36°42'33", long. 97°22'22", on south line SW 1/4 SE 1/4 sec.23, T.26 N., R.2 W., Kay County, at county road bridge, 4.5 miles northwest of Tonkawa and about 3.5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-21-52	.12	8- 8-67	0	5-21-69	4.50	6-24-71	.01
1-12-65	4.80	9-29-67	.10	8- 1-69	.21	8-20-71	0
7-16-65	.11	11-15-67	.12	12-22-69	1.10	11-11-71	.05
11- 3-65	.06	1-21-68	.17	2-17-70	1.20	1-25-72	.14
3- 9-66	.07	4-16-68	.10	5-12-70	3.50	4-17-72	.05
5-31-66	0	7-10-68	.65	8-11-70	0	7-10-72	0
11-22-66	0	10- 9-68	1.40	11- 6-70	0	12- 6-72	0
2-28-67	.01	1-14-69	2.80	3-23-71	.09	5-22-73	1.0
5-24-67	0					6-12-73	.81

Deer Creek near Thomas, Oklahoma, Miscellaneous site.

Lat. 35°38'32", long. 98°44'17", SE 1/4 SW 1/4 sec.31, T.14 N., R.14 W., at county highway bridge, 7 miles southeast of Thomas, Okla.

Date	Discharge (ft ³ /s)
9-15-54	.29

Delaware Creek near Anadrako, Oklahoma, Miscellaneous site.

Lat. 35°04'50", long. 98°07'43", SW 1/4 sec.17, T.7 N., R.9 W., at bridge on U.S. Highway 62, 4 miles east of Anadrako, Okla.

Date	Discharge (ft ³ /s)
7-10-52	.05

Delaware Creek near Wapanucka, Oklahoma, 07334440, partial record site.

Lat. 34°24'30", long. 96°25'15", in SW 1/4 sec.1, T.2 S., R.8 E., Johnston County, at bridge on State Highway 48, 2 miles north of Wapanucka, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-24-58	16.2	7-19-61	3.10	3- 9-65	15.8	8-11-69	.47
4- 7-58	23.5	11-30-61	28.4	5-24-65	13.6	12-11-69	18.0
7-17-58	1.86	5- 16-62	6.49	11-24-65	0	2-20-70	8.8
11- 4-58	.05	7-11-62	1.09	1-18-66	2.2	5-20-70	10.0
1-28-59	2.23	8-15-62	0	3-16-66	18.0	7-16-70	2.0
9-15-59	0	9-16-62	7.83	6-28-66	0	12- 1-70	13.0
10-27-60	3.28	12-19-62	13.40	11-22-66	1.2	3- 4-71	21.0
12- 8-60	2.01	2- 8-63	7.19	2-17-67	.3	6- 8-71	8.3
1-26-60	28.5	4-22-63	3.31	6-16-67	9.5	6-23-71	1.5
3-23-60	19.3	8-19-63	0	8-31-67	.24	7-29-71	0
5- 3-60	11.8	10-11-63	0	12- 6-67	9.7	1-26-72	11.0
8-25-60	4.45	12- 2-63	0	2-19-68	28.0	3- 8-72	7.1
12- 1-60	3.75	1-28-64	3.59	6-20-68	12.0	4-18-72	2.5
1-12-61	19.5	4-13-64	16.2	9-11-68	1.4	8- 2-72	0
3- 1-61	13.5	9-15-64	0	12-10-68	11.0	12- 5-72	16.
4- 5-61	35.0	12-16-64	18.2	6-10-69	13.0	2-21-73	18.
5-17-61	5.61						

LOW-FLOW MEASUREMENTS--Continued.

Double Creek near Ramona, Oklahoma, Miscellaneous site.

Lat. 36°32'00", long. 95°53'00", SW 1/4 SW 1/4 sec.22, T.24 N., R.13 E., at bridge on U.S. Highway 75, 1/2 mile north of Ramona, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-10-53	0	2-15-54	0	5-10-54	0	8- 2-54	0
12-16-53	0	4- 5-54	0	6- 2-54	25.9	9- 9-54	0
1-11-54	0	4-26-54	0	7- 6-54	0		

Duck Pond Creek near Clear Lake, Oklahoma, 07234130, partial record site.

Lat. 36°44'50", long. 100°17'05", in NW 1/4 sec.8, T.3 N., R.26 E., Beaver County, at county road bridge, 4 miles north of Clear Lake.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-66	0	8-14-68	0	5-14-70	.59	12-15-71	3.1
3- 1-67	.63	11-20-68	2.80	7-24-70	0	3- 8-72	1.4
5-12-67	0	2- 6-69	2.40	11- 6-70	.16	6- 2-72	.12
8-28-67	0	6-26-69	5.7	3-11-71	2.10	8-18-72	0
11-28-67	0	8- 6-69	0	5-28-71	0	12-20-72	2.4
2-20-68	.35	12-17-69	2.2	7-27-71	0	3-20-73	3.4
4-10-68	.40	2- 26-70	2.5	9-23-71	0	5-24-73	2.1

Eagle Chief Creek near Aline, Oklahoma, 07158100.

Lat. 36°30'23", long. 98°26'24", in NW 1/4 sec.1, T.23 N., R.12 W., Alfalfa County, at bridge on State Highway 8B at Aline.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-14-52	2.46	2- 5-59	9.81	7-23-63	18.3	2-13-69	3.0
11- 4-52	2.58	3-24-59	9.31	10-15-63	12.1	4-16-69	4.0
12- 3-52	5.31	5-20-59	7.96	12- 3-63	12.0	7- 9-69	4.0
1- 5-53	5.53	9-14-59	2.24	2-11-64	11.0	10-22-69	6.2
2- 3-53	3.96	2- 2-61	24.3	5-26-64	2.24	1-13-70	5.7
3- 3-53	8.85	3- 1-61	19.7	9- 3-64	8.47	5-19-70	5.1
4-21-53	3.28	4-19-61	35.5	1-19-65	12.4	7-27-70	2.7
5-15-53	24.80	7-18-61	22.1	12- 7-65	7.9	11-11-70	2.0
7- 7-53	1.71	9- 6-61	16.6	3-10-66	8.7	3-24-71	3.0
9- 1-53	1.36	10-18-61	13.5	6-28-66	1.4	5- 5-71	2.1
10-14-53	1.06	11-30-61	20.2	9- 9-66	4.5	8-18-71	3.2
11- 3-53	2.40	3- 7-61	22.2	11-29-66	2.8	11-17-71	4.4
4- 5-55	2.68	5-10-62	11.2	2- 1-67	3.9	3- 3-72	3.5
1- 7-58	5.83	7-12-62	11.1	8- 9-67	3.2	4-19-72	3.7
2- 4-58	11.80	9-19-62	10.1	1-30-68	4.1	8- 1-72	2.3
5-20-58	10.90	12-18-62	12.7	4-23-68	5.1	10-25-72	25.
9-29-58	5.98	3-13-63	10.6	7-17-68	2.1	2-28-73	8.0
10-21-58	4.47					5-23-73	34.0

Eagle Chief Creek near Carmen, Oklahoma, Miscellaneous site.

Lat. 36°35'00", long. 98°31'00", SW 1/4 sec.5, T.24 N., R.12 W., at bridge on State Highway 45, 2-3/4 miles west of Carmen, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-28-49	6.86	2- 3-53	2.05	9- 1-53	.68	3- 2-54	2.48
11-14-50	3.32	3- 3-53	4.39	10-14-53	.17	4- 5-54	1.26
10- 4-52	1.95	4-21-53	1.93	11- 3-53	1.34	4-27-54	5.80
12- 3-52	3.66	5-15-53	9.71	1- 5-54	1.72	9-20-54	.08
1- 5-53	3.02	7- 7-53	.43	2- 2-54	1.95		

LOW-FLOW MEASUREMENTS--Continued.

Eagle Chief Creek near Cleo, Oklahoma, Miscellaneous site.

Lat. 36°24'30", long. 98°27'00", NE 1/4 sec.11, T.22 N., R.12 W., at county highway bridge, 1/4 mile west of Cleo, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-29-49	71.0	1- 9-52	25.5	11- 4-52	4.84	10-14-53	2.38
7-27-49	29.2	2- 5-52	15.3	12- 3-52	7.85	11- 3-53	4.68
9-28-49	20.9	3- 5-52	21.7	1- 5-53	7.68	1- 5-54	4.99
3-27-50	10.9	4-14-52	5.64	2- 3-53	5.90	2- 2-54	5.10
11-14-50	15.7	4-23-52	236.0	3- 3-53	19.5	3- 1-54	3.98
10- 5-50	19.1	6- 5-52	16.4	4-21-53	5.39	4- 5-54	4.38
11-14-50	17.3	7-21-52	8.36	5-15-53	76.0	4-27-54	5.61
9- 6-51	22.7	9- 3-52	4.64	7- 7-53	2.57	9-20-54	.57
10-16-51	19.9	10-14-52	3.94	9- 1-53	2.58		

Elk Creek near Roosevelt, Oklahoma, Miscellaneous site.

Lat. 34°51'55", long. 99°07'08", south line sec.32, T.5 N., R.18 W., at county highway bridge, 5-1/2 miles west of Roosevelt, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-14-49	7.59	8-12-58	2.48

Elk Creek near Sentinel, Oklahoma, Miscellaneous site.

Lat. 34°09'00", long. 99°12'00", NW 1/4 sec.27, T.8 N., R.19 W., at county highway bridge, 1 mile southwest of Sentinel, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-12-50	7.28	8-12-58	1.80

Elm Fork Red River near Mangum, Oklahoma, Miscellaneous site.

Lat. 34°56'04", long. 99°31'58", NW 1/4 sec.10, T.5 N., R.22 W., at bridge on U. S. Highway 283, 2-3/4 miles north of Mangum, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-26-54	2.97	11- 6-57	28.2	10- 7-58	3.24	2-25-59	6.30
3-26-54	3.49						

Farm Pond near Miami, Oklahoma, Miscellaneous site.

Lat. 36°51'41", long. 94°54'00", NE 1/4, SW 1/4 sec.1, T.27 N., R.22 E., 2 miles southwest of Miami, Okla.

Date	Discharge (ft ³ /s)
5-18-43	41.

LOW-FLOW MEASUREMENTS--Continued.

Finn Creek near Story, Oklahoma, 07328300, partial record site.

Lat 35°51'15", long. 97°25'30", in NE 1/4 sec.5, T.4 N., R.2 W., Garvin County, at bridge on State Highway 24, 2 miles east of Story.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 5-51	.06	7-14-54	.43	10- 2-57	3.42	10-30-63	.01
10- 9-51	.08	8-23-54	.04	1-16-58	3.05	3- 8-65	2.78
11-26-51	.70	9-15-54	.07	3-20-58	4.41	7-13-65	.49
1-14-52	.50	11- 2-54	.18	6-12-58	2.42	12- 1-65	.42
3-14-52	1.60	12- 8-54	.45	9- 2-58	1.03	3-22-66	.39
4-22-52	32.2	2- 1-55	.51	10-31-58	1.32	6-15-66	.01
5-13-52	1.00	2-28-55	.47	1- 9-59	5.13	1-30-67	.46
7-23-52	.68	6-14-55	.82	7-16-59	2.98	5-19-67	.26
9- 4-52	.05	7-28-55	.27	9-16-59	.15	8- 9-67	.05
10-10-52	0	9-20-55	2.46	10-28-59	5.47	1-26-68	1.50
11-19-52	.27	11- 1-55	.84	12- 9-59	3.77	4- 9-68	4.80
12-24-52	.66	1- 4-56	1.22	9-15-60	1.73	9-18-68	3.00
2- 5-53	.66	2-15-56	1.63	12- 2-60	6.93	12-13-68	15.00
3-11-53	1.38	3-30-56	.82	1-13-61	6.54	3-20-69	25.00
4-15-53	17.4	5- 3-56	.63	3- 2-61	4.25	6-13-69	12.00
6- 3-53	.27	7-19-56	.13	4- 6-61	19.4	11- 7-69	3.60
6-24-53	0	8-22-56	0	12-20-61	23.7	3-25-70	3.40
8-20-53	.83	10- 2-56	.04	8-21-62	.91	5-21-70	2.30
10- 1-53	0	11-14-56	.12	7- 1-63	1.03	8- 4-70	0
11-18-53	1.66	11-20-56	3.12	7-23-63	.06	8-24-70	.54
1-29-54	2.03	2-11-57	.39	8-20-63	.14	11-16-70	13.
2-26-54	.81	3-14-57	.06	9-19-63	1.01	1-18-71	5.20
4-19-54	2.04	8- 1-57	2.26	10- 8-63	.29	4- 5-71	4.60
5-28-54	0					7-20-71	1.80

Fish Creek near Reed, Oklahoma, Miscellaneous site.

Lat. 34°53'18", long. 99°42'17", SE 1/4 SE 1/4 sec.35, T.5 N., R.24 W., at county highway bridge, 2-3/4 miles south of Reed, Okla.

Date	Discharge (ft ³ /s)
2-10-54	.16

Fivemile Creek near Eakley, Oklahoma, Miscellaneous site.

Lat. 35°18'00", long. 98°36'30", NE 1/4 NE 1/4 sec.31, T.10 N., R.13 W., at county highway bridge, 5 miles west of Eakly, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11- 5-52	.79	6-22-53	.39	9- 8-53	.11	2-15-55	2.74
4-30-53	2.57						

Gillespie Spring near Connersville, Oklahoma, Miscellaneous site.

Lat. 34°28'23", long. 96°41'08", SW 1/4 NW 1/4 sec.22, T.1 S., R.6 E., at site 2 miles northwest of Connersville, Okla.

Date	Discharge (ft ³ /s)
4-20-54	2.09

LOW-FLOW MEASUREMENTS--Continued.

Goff Creek near Guymon, Oklahoma, 07232590, partial record site.

Lat. 36°45', long. 101°30', east line of NE 1/4 SW 1/4 sec.1, T.3 N., R.14 E., at bridge on State Highway 64, about 2-1/4 miles upstream from mouth and 5 miles north of Guymon.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-21-64	0	10-12-65	0	4-11-66	0	5- 2-67	0
3- 2-65	0	1-17-66	0	7- 6-66	0	7-24-67	0
4-26-65	0	3- 8-66	0	1-16-67	0	11-27-67	0
7-19-65	0					2-19-68	0

Goff Creek near Hough, Oklahoma, 07232580, partial record site.

Lat. 35°45'00", long. 101°29'00", in NW 1/4 SE 1/4 sec.29, T.4 N., R.14 E., Texas County, at low water crossing on oil field service road, 9 miles northeast of Hough, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-19-68	.52	2-25-69	.31	3- 9-70	.21	3- 1-71	.18
5-27-68	.07	6-20-69	.02	5-19-70	.01	6-15-71	0
8-12-68	0	8- 4-69	0	7-30-70	0	9- 3-71	.01
12-24-68	.03	12- 3-69	0	11- 9-70	0		

Golden Creek near Perkins, Oklahoma, Miscellaneous site.

Lat. 35°59'26", long. 97°02'51", SE 1/4 sec.35, T.18 N., R.2 E., at bridge on State Highway 33, 1 mile west of Perkins, Okla.

Date	Discharge (ft ³ /s)
10-23-52	.32

Greenleaf Creek near Braggs, Oklahoma, Miscellaneous site.

Lat. 35°37'00", long. 95°10'00", near center sec.10, T.13 N., R.20 E., just below Greenleaf Lake and 3-1/2 miles southeast of Braggs, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-15-51	30.7	5- 9-52	28.7	2-16-53	.28	6-29-53	.52
12- 6-51	25.5	6-20-52	6.94	4- 9-53	176.0	1-25-54	.55
2-14-52	83.8	9- 5-52	.13	5-25-53	20.3	6- 7-54	.52

Gypsum Creek near Olustee, Oklahoma, 07299780, partial record site.

Lat. 34°28'45", long. 99°26'15", in SW 1/4 sec.21, T.1 S., R.21 W., Jackson County, at county bridge on FAS road, 6.5 miles south of Olustee and about 2.5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-26-54	.81	6-18-56	4.95	11- 8-65	5.20	12- 8-69	2.5
3-25-54	1.04	7-19-56	1.89	2- 8-66	4.7	2-16-70	4.3
8-20-54	.65	9- 6-56	.49	5-10-66	3.0	6-10-70	3.8
9-22-54	1.18	10- 1-56	1.99	11-22-66	1.8	8- 6-70	.79
10-21-54	2.27	10-30-56	10.1	2-14-67	1.5	10- 7-70	1.0
12-14-54	3.09	12- 4-57	3.16	5-23-67	1.0	1-20-71	1.3
1-14-55	3.48	1- 4-57	3.49	8-29-67	1.9	6- 3-71	.02
2-16-55	3.94	2-20-57	4.00	12-28-67	2.9	8- 4-71	.24
4-19-55	2.96	3-19-57	2.25	3-26-68	4.2	12-21-71	3.7
7-14-55	4.12	4-16-57	4.00	6-24-68	2.8	2-17-72	2.7
9- 6-55	3.52	6-12-57	10.70	9-13-68	1.3	4-12-72	1.2
1- 5-56	5.16	7-18-57	7.15	3-26-69	1.6	7-19-72	0
2-15-56	5.51	3- 5-65	2.15	6-11-69	3.4	11- 6-72	.30
3-15-56	5.09	6-10-65	1.01	9- 9-69	3.6	2- 8-73	3.30
4-18-56	2.91						

LOW-FLOW MEASUREMENTS--Continued.

Hackberry Creek near Sharon, Oklahoma, Miscellaneous site.

Lat. 36°12'00", long. 99°16'30", NE 1/4 sec.24, T.20 N., R.20 W., at county highway bridge, 6 miles east of Sharon: also on west line of sec.34, T.21 N., R.19 W., at county highway bridge, 6 miles east of Sharon, Oklahoma. Lat. 36°15'00", long. 99°13'30".

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-17-56	.04	2-27-57	.02	2-27-57	0	10-18-57	.03
5-23-56	.03	4-11-57	.06	4-11-57	0	11-13-57	.08
6-19-56	.004	7-10-57	.05	7-10-57	0	12-20-57	.08
4-17-56	0	8-14-57	.02	8-14-57	0	10-17-57	0
5-23-56	0	9-12-57	.01	9-11-57	0	11-13-57	0
6-18-56	0					12-19-57	0

Headquarter Creek near Perkins, Oklahoma, Miscellaneous site.

Lat. 35°58'23", long. 96°57'88", center of south line of sec.11, T.17 N., R.3 E., at bridge on county road, 4-1/2 miles east of Vinco and 5-1/4 miles southeast of Perkins, Okla.

Date	Discharge (ft ³ /s)
10-23-52	.13

Hickory Creek near Marietta, Oklahoma, 07316070, partial record site.

Lat. 35°00'46", long. 97°04'59", in NE 1/4 NW 1/4 sec.27, T.6 S., R.2 E., Love County, at bridge on State Highway 77S, 5.5 miles northeast of Marietta, and 5.5 miles upstream from Lake Texoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-29-64	.71	8- 8-67	.13	9-16-69	0	7- 8-71	0
3-10-65	4.97	11-16-67	1.7	11-20-69	1.1	11-24-71	2.7
7-14-65	1.41	2-20-68	18.0	2-19-70	4.9	3-27-72	7.5
11-29-65	.68	4-25-68	21.0	5-13-70	14.0	4-17-72	3.2
3-22-66	2.70	9-18-68	0	7-17-70	.06	7-31-72	0
6-14-66	.59	12-18-68	3.6	11-19-70	6.2	10- 2-72	0
11- 2-66	1.0	4- 3-69	20.0	3- 2-71	5.0	2-20-73	4.8
2-21-67	1.2	6- 5-69	9.7	5- 5-71	3.8	5-14-73	12.0
6- 7-67	10.0						

Hog Creek near Norman, Oklahoma, Miscellaneous site.

Lat. 35°13'37", long. 97°13'43", NW 1/4 sec.29, T.9 N., R.1 E., at bridge on State Highway 9, 12 miles east of Norman, Okla.

Date	Discharge (ft ³ /s)
10- 6-53	0

Honey Creek near Davis, Oklahoma, Miscellaneous site.

Lat. 34°26'30", long. 97°09'00", SE 1/4 sec.25, T.1 S., R.1 E., at pool below Turner Falls 4 miles south of Davis, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-30-49	5.10	9-23-53	2.15	11- 1-55	4.30	8-22-56	.53
10-10-52	1.13	9-15-53	1.50	5-23-56	1.40		

LOW-FLOW MEASUREMENTS--Continued.

Horse Creek at Afton, Oklahoma, 07189700, partial record site.

Lat. 36°49'50", long. 94°57'20", in NE 1/4 NW 1/4 sec.33, T.26 N., R.22 E., Ottawa Xounty, at bridge on U.S. Highway 66, at northeast edge of Afton, and about 3 miles upstream from Lake O' the Cherokees

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-21-64	.43	5-17-67	1.30	5-14-69	.12	8-17-71	0
3-22-65	.30	8-28-67	0	9-10-69	0	11-16-71	.25
7-13-65	.17	11-16-67	.48	1-28-69	4.9	2- 9-72	.67
9-16-65	.83	3- 6-68	.36	4-14-70	.34	5-23-72	.18
11-23-65	.10	6-24-68	.10	8-18-70	0	8- 9-72	0
11-30-66	0	8-19-68	3.60	11-24-70	1.50	6-25-73	.16
1-19-67	0	10-21-68	.05	1-21-71	.47		
1-31-67	.21	1- 8-69	1.30	6-21-71	.04		

House Creek near Terleton, Oklahoma, Miscellaneous site.

Lat. 36°16'30", long. 96°30'00", NE 1/4 NE 1/4 sec.25, T.20 N., R.7 E., 1/4 mile downstream from county highway bridge, 1/2 mile west of Terleton, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-24-53	.01	5-18-54	.05	10-13-54	0	3- 7-55	0
12-28-53	.01	6- 3-54	.47	11- 3-54	0	4- 4-55	.02
1-11-54	.01	7- 6-54	0	12-14-54	0	5- 2-55	0
2-15-54	.01	8- 2-54	0	1- 3-55	0	7-12-55	0
3- 1-54	.02	9- 9-54	0	1-31-55	0	8- 1-55	0
4-19-54	.01					9- 1-55	0

Hoyle Creek near Ames, Oklahoma, Miscellaneous site.

Lat. 36°15'00", long. 98°10'00", SE 1/4 sec.11, T.21 N., R.9 W., at county highway bridge 1/2 mile west of Ames, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 2-51	.08	4-24-52	.44	12- 3-52	0	7-22-53	.08
10-30-51	.67	6- 4-52	.10	1- 5-53	0	8-31-53	0
12-10-51	.27	7-21-52	0	2- 2-53	.01	1- 4-54	.01
1- 8-52	.39	9- 3-52	0	3- 3-53	.37	2- 1-54	.05
2- 4-52	.29	10-14-52	0	4-21-53	.09	3- 2-54	.10
3- 3-52	.39	11- 5-52	0	5-14-53	.08	4- 5-54	.02
4-14-52	.12						

Indian Creek near Sayre, Oklahoma, Miscellaneous site.

Lat. 35°17'04", long. 99°30'17", on north line, sec.3, T.9 N., R.22 W., at bridge on State Highway 152, 6-1/2 miles east of Sayre, Okla.

Date	Discharge (ft ³ /s)
2-14-57	.06

LOW-FLOW MEASUREMENTS--Continued.

Indian Creek near Woodward, Oklahoma, Miscellaneous site.

Lat. 36°21'30", long. 99°17'45", NW 1/4 NW 1/4 sec.25, T.22 N., R.20 W., 6 miles southeast of Woodward, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-20-44	4.74	4- 6-54	3.13	5-22-56	0	2-26-57	2.23
11-25-44	4.76	9- 8-54	0	6-18-56	0	4-12-57	6.48
9-28-48	2.86	12-13-54	3.24	3-15-56	2.84	7-11-57	5.60
9-25-51	.67	2- 7-55	3.40	4-17-56	2.31	8-14-57	.02
10-16-51	1.23	3-29-55	2.82	5-23-56	.85	9-11-57	0
12-11-51	3.53	12-15-55	.81	6-19-56	.44	2-26-57	.41
2-12-52	7.46	3-28-56	2.57	12-12-56	1.36	4-12-57	3.91
4- 1-52	5.76	3-15-56	2.76	2-26-56	0	7-11-57	4.48
4-22-52	5.06	4-17-56	.15	4-12-57	3.92	8-14-57	0
6-20-52	2.16	5-22-56	0	7-10-57	4.63	9-11-57	0
7-10-52	0	6-18-56	0	8-14-57	1.44	10-18-57	4.17
8-15-52	0	3-15-56	1.62	9-11-57	2.42	11-13-57	4.39
12-31-53	3.53	4-17-56	0	3-13-57	3.00	12-19-57	4.54

Irwin Spring near Nebo, Oklahoma, Miscellaneous site.

Lat. 34°23'32", long. 96°56'51", SE 1/4 sec.19, T.2 S., R.4 E., 1-3/4 miles east of Nebo, Okla.

Date	Discharge (ft ³ /s)
12-20-54	2.35

Island Bayou near Albany, Oklahoma, 07332250, partial record site.

Lat. 33°51'25", long. 96°09'55", in southeast corner sec.17, T.8 S., R.11 E., Bryan County, at county road bridge, 2 miles south of Albany, and about 3.5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-29-64	.03	5-26-67	4.1	8-12-69	.42	8-31-71	.05
3- 4-65	14.7	8-31-67	.07	12-18-69	.14	1-26-72	2.8
6-18-65	14.5	12- 8-67	.07	3-10-70	11.0	4-18-72	.42
12- 1-65	.02	2-20-68	13.0	5-13-70	5.8	8- 2-72	0
3-16-66	.09	4-25-68	40.0	7-23-70	.37	10- 4-72	0
6- 9-66	.17	9-19-68	7.8	12- 2-70	.05	2-21-73	4.6
11- 2-66	.10	12-18-68	2.0	3- 9-71	3.0	6-25-73	8.0
2-17-67	.02	6-10-69	4.9	6-23-71	.02		

Jackfork Creek near Clayton, Oklahoma, Miscellaneous site.

Lat. 34°36'28", long. 95°20'17", NW 1/4 sec.32, T.2 N., R.19 E., at bridge crossing of U.S. Highway 271, 1-1/2 miles northeast of Clayton, Okla.

Date	Discharge (ft ³ /s)
7-10-60	3.94

Kingfisher Creek near Kingfisher, Oklahoma, 07159200, partial record site.

Lat. 35°50'03", long. 98°03'57", in NW 1/4 SW 1/4 sec.28, T.16 N., R.8 W., Kingfisher County, at county road bridge, 7.6 miles west of Kingfisher, and at mile 17.6.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-13-70	.25	7-29-71	.28	3-20-72	.67	10-26-72	0
1-15-71	1.6	9- 9-71	0	4-18-72	1.0	3- 1-73	2.2
4- 9-71	1.2	11-17-71	.33	8- 1-72	0	5-22-73	5.3

LOW-FLOW MEASUREMENTS--Continued.

Kiowa Creek near Slapout, Oklahoma, 07234200, partial record site.

Lat. 36°36'55", long. 100°10'00", on south line sec.20, T.2 N., R.27 E., Beaver County, at bridge on U.S. Highway 270, 3 miles west of Slapout.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-24-44	4.4	2-11-57	7.66	4-20-61	8.85	4-10-68	4.7
7- 7-49	11.5	9-24-57	6.46	8- 3-61	5.23	8- 9-68	2.0
4-11-50	9.21	10-30-57	7.38	10-19-62	2.05	11-20-68	7.4
10- 8-51	7.33	12- 2-57	8.97	7-25-63	4.04	2- 6-69	7.0
1- 7-52	13.6	3-27-58	9.47	10-17-63	21.1	6-26-69	2.3
1-28-52	12.9	7-25-58	6.59	12- 5-63	6.79	8- 6-69	.44
4-17-52	11.4	10-31-58	5.62	9- 1-64	.79	12-17-69	7.0
6-19-52	3.31	2-20-59	9.56	3- 2-65	6.76	2-26-70	6.4
8-11-52	1.96	4-20-59	7.90	4-27-65	8.20	4-16-70	7.7
11-24-53	9.02	7-14-59	3.28	7- 7-65	4.35	7-24-70	1.2
2-18-54	9.16	9- 2-59	1.13	10- 8-65	4.00	11- 6-70	4.4
6-11-54	3.93	9-30-59	2.43	2-15-66	12.00	3-11-71	6.6
9- 8-54	.05	10-29-59	5.19	3- 8-66	8.7	5-28-71	1.7
11-17-54	4.63	12- 9-59	5.59	4-26-66	7.1	9- 9-71	.11
1-24-55	10.1	1- 6-60	10.4	7- 6-66	2.1	11- 1-71	2.7
3-23-55	7.82	2-19-60	8.38	10- 7-66	5.4	3- 3-72	5.9
8- 3-55	5.32	5-27-60	3.46	1-17-67	7.3	6- 2-72	3.6
10-19-55	5.92	6-27-60	2.35	5-12-67	4.0	9- 7-72	9.5
3-28-56	8.45	8-22-60	6.37	8-28-67	2.8	12-21-72	6.8
6-11-56	8.77	10-24-60	6.62	11-28-67	3.1	3-20-73	10.
12-20-56	7.10	1- 6-61	6.37	2- 6-68	5.2	5-24-73	10.

Kizer Creek near Mutual, Oklahoma, Miscellaneous site.

Lat. 36°10'00", long. 99°07'30", SW 1/4 sec.33, T.20 N., R.18 W., at county highway bridge, 5-1/2 miles southeast of Mutual, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-16-56	.44	6-19-56	0	7-10-57	.47	10-18-57	.10
4-17-56	.36	2-17-57	.24	8-14-57	0	11-13-57	.29
5-22-56	0	4-11-57	.49	9-12-57	.05	12-19-57	.44

Lake Creek near Swan Lake, Oklahoma, Miscellaneous site.

Lat. 35°15'00", long. 98°32'00", center of south line of sec.13, T.9 N., R.13 W., at bridge on county road, 1 mile northwest of Swan Lake, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 5-52	0	6-22-53	0	9- 8-53	0	2-15-55	1.85
4- 3-53	3.20						

Lawrence Spring near Sulfur, Oklahoma, Miscellaneous site.

Lat. 34°27'30", long. 96°27'00", N 1/4 sec.24, T.1 S., R.3 E., 4 miles southeast of Sulphur, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-23-49	4.85	10- 9-52	3.53	9-24-53	2.74	5-22-56	.22
7-19-49	3.91	3-18-53	3.28	9-15-53	1.67	9- 6-56	1.40
3- 5-52	4.27	6-23-53	4.74	12-20-54	2.40		

LOW-FLOW MEASUREMENTS--Continued.

Leader Creek at Tupelo, Oklahoma, 07334420, partial record site.

Lat. 34°35'55", long. 96°23'45", in NW 1/4 sec.31, T.2 N., R.9 E., Coal County, at bridge on State Highway 3, 1 mile east of Tupelo.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-24-58	8.41	5-15-61	1.00	12-16-64	2.02	8-11-69	.15
4- 7-58	7.58	9-11-61	0	3- 9-65	4.61	12-11-69	3.6
7-17-58	.30	10-31-61	2.85	5-24-65	3.16	2-20-70	.40
11- 4-58	.44	5-16-62	3.52	12- 1-65	0	5-20-70	.38
1-28-59	.29	7-11-62	.03	3-17-66	.83	7-16-70	.24
8-27-59	.09	8-15-62	0	6- 7-66	.08	12- 1-70	11.0
9-14-59	0	9-19-62	4.70	11-22-66	0	3- 4-71	12.0
10-26-59	.41	12-12-62	2.83	2-13-67	0	6-23-71	.05
12- 7-59	2.85	2- 8-63	2.37	6-13-67	.59	7-29-71	0
1-25-60	18.6	4-22-63	2.75	8-29-67	0	1-26-72	.27
3-21-60	13.4	8-19-63	0	12- 6-67	.28	3- 8-72	2.0
8-23-60	1.32	10-11-63	0	2-19-68	11.0	4-18-72	2.5
11-29-60	0	12- 2-63	0	6-20-68	7.8	8- 2-72	0
1-10-61	6.84	2-17-64	0	9-11-68	.24	12- 5-72	.08
2-27-61	4.16	4-13-64	.23	12-10-68	8.0	2-21-73	3.0
4- 4-61	6.70	9-15-64	0	6-10-69	10.0	5-15-73	16.0

Leaper Creek near Washita, Oklahoma, Miscellaneous site.

Lat. 35°07'23", long. 98°19'25", SW 1/4 sec.35, T.8 N., R.11 W., at small bridge, 1-1/4 miles north-east of Washita, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8- 1-56	.62	8-30-56	.28

Lebos Creek near Eldorado, Oklahoma, Miscellaneous site.

Lat. 34°28'30", long. 99°40'00", SE 1/4 sec.11, T.1 S., R.24 W., at bridge on State Highway 90, 1-1/2 miles west of Eldorado, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-24-51	8.24	9-29-52	6.70	11-16-53	5.79	12-14-54	3.21
1-15-52	7.35	11-13-52	7.68	12-18-53	9.78	1-14-55	3.99
3-17-52	7.11	12-18-52	8.62	3-25-54	4.04	2-16-55	5.63
6-10-52	5.66	1-19-53	9.16	8-20-54	.98	4-19-55	4.78
7-24-52	5.04	5-15-53	6.78	9-22-54	1.25	7-14-55	5.22
8-26-52	6.13	9-29-53	4.95	10-21-54	3.90	9- 6-55	2.82

Lebos Creek near Vinson, Oklahoma, Miscellaneous site.

Lat. 34°51'00", long. 99°55'00", SE 1/4 sec.3, T.4 N., R.26 W., at bridge on State Highway 30, 5 miles southwest of Vinson, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-20-51	7.26	1-15-52	31.4	7-24-52	0	9-29-52	0
9-24-51	.04	3-17-52	12.0	8-20-52	0		

Lee Creek near Short, Oklahoma, 07249800, partial record site.

Lat. 35°30'00", long. 94°30'00", on line between secs.27 and 34, T.13 N., R.26 E., at highway bridge, 2.0 miles west of Short, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
6-18-58	35.1	8-17-59	7.6	7-11-60	11.50	6-20-62	16.1
8-27-58	42.9	7-14-60	8.72	7-12-61	7.22	7-18-62	9.60
10- 8-58	51.7	8-17-60	18.40	9-26-61	47.9	8-15-62	7.58
11- 5-58	19.9	9-27-60	3.30	5-24-62	27.3	4-18-63	30.8
7- 1-59	22.7					7-29-63	1.37

LOW-FLOW MEASUREMENTS--Continued.

Lick Creek near Unger, Oklahoma, Miscellaneous site.

Lat. 33°57'55", long. 95°48'17", in SW 1/4 SW 1/4 sec.7, T.7 S., R.15 E., at county highway bridge 5 miles south of Unger, Okla.

Date	Discharge (ft ³ /s)
12-12-57	8.80

Little Deep Fork near Edna, Oklahoma, Miscellaneous site.

Lat. 35°40'00", long. 96°10'00", SW 1/4 sec.12, T.14 N., R.10 E., at county highway bridge, 1/4 mile south of Edna, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-18-51	16.8	12-28-53	2.74	1-17-55	.99	4-10-56	.20
10-20-51	209.0	12-29-53	2.17	3- 2-55	.95	5-30-56	7.64
12-12-51	13.4	2- 1-54	3.87	4-11-55	59.9	7-13-56	0
1-15-52	19.8	3- 9-54	3.65	5-31-55	12.7	8-27-56	0
2-27-52	64.3	4-19-54	2.02	7-11-55	0	11-14-56	.02
4-24-52	271.0	6- 1-54	11.6	10-11-55	1.78	1- 3-57	.05
6- 3-52	37.5	7-12-54	.04	11-21-55	0	2- 6-57	1.16
7-14-52	3.93	8-20-54	.05	1- 6-56	0	3-25-57	7.42
9- 3-52	.20	10- 5-54	0	1-21-56	0	7- 9-57	33.9
10- 7-53	3.25	11-18-54	0	2-29-56	.10	9- 5-57	1.51
11-17-53	.67						

Little Deer Creek near Thomas, Oklahoma, Miscellaneous site.

Lat. 35°43'09", long. 98°46'17", SW 1/4 SE 1/4 sec.2, T.14 N., R.15 W., at county highway bridge, 2 miles southwest of Thomas, Okla.

Date	Discharge (ft ³ /s)
9-15-54	.10

Little East Blue near Pontotoc, Oklahoma, Miscellaneous site.

Lat. 34°29'32", long. 96°38'00", NW 1/4 sec.12, T.1 S., R.6 E., just west of State Highway 99 in Pontotoc, Okla.

Date	Discharge (ft ³ /s)
4-20-54	.30

Little Lee Creek near Short, Oklahoma, 07249900, partial record site.

Lat. 35°30'00", long. 94°30'00", in NW 1/4 sec.28, T.13 N., R.26 E., at highway bridge 2-1/4 miles upstream from mouth and 3.0 miles west of Short, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
6-18-58	10.6	7-14-60	2.31	9-26-61	15.6	4-18-63	9.95
8-27-58	10.4	8-17-60	15.40	5-24-62	16.0	7-29-63	0
10- 8-58	12.3	9-27-60	1.10	6-20-62	8.97	11-26-63	0
11- 5-58	7.84	7-11-60	6.02	7-18-62	8.92	7- 6-64	1.09
7- 1-59	8.30	7-12-61	1.84	8-15-62	1.12	11-16-64	1.11
8-17-59	2.21					8- 9-65	0

LOW-FLOW MEASUREMENTS--Continued.

Little Monument Creek near Clinton, Oklahoma, Miscellaneous site.

Lat. 35°24'00", long. 99°13'00", SW 1/4 sec.21, T.11 N., R.19 W., at county highway bridge, 4 miles southwest of Foss and 16 miles southwest of Clinton, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-27-54	.62	1-17-55	.74	3- 1-55	.73	3-20-56	.81
6-29-54	.07	1-24-55	.79	4-19-55	.64	9-10-56	0
12- 1-54	.51					9-17-56	.06

Little Spring Creek near Locust Grove, Oklahoma, Miscellaneous site.

Lat. 36°10'09", long. 95°08'51", SE 1/4 sec.34, T.20 N., R.20 E., at bridge on State Highway 82, 24 miles south of Locust Grove, Okla.

Date	Discharge (ft ³ /s)
7-12-60	3.36

Little Turkey Creek near Erick, Oklahoma, Miscellaneous site.

Lat. 35°17'30", long. 99°52'00", SW 1/4 sec.32, T.10 N., R.25 W., at bridge on county road 5 miles north of Erick, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 9-52	.84	7- 2-54	.70	12-16-54	.15	4-28-55	.13
11- 6-53	.69	8-30-54	.24	2-28-55	.23	7-12-55	.11
3- 9-54	.69	11-16-54	.16	3-30-55	.18	8-30-55	.07
4-20-54	.50						

Little Washita near Ninnekah, Oklahoma, Miscellaneous site.

Lat. 34°53'00", long. 97°55'00", SE 1/4 sec.23, T.5 N., R.8 W., at county highway bridge, 7 miles southwest of Ninnekah, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-22-49	39.4	4-13-49	31.9	4-29-49	34.0	12-30-48	19.0
4- 5-49	30.4						

Lost Creek at Seneca, Missouri, 07188500, partial record site.

Lat. 36°50'28", long. 94°36'30", in SE 1/4 SE 1/4 sec.35, T.25 N., R.34 W., Newton County, at Seneca Street bridge in Seneca, 0.5 mile upstream from Little Lost Creek and 9.5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-27-60	11.6	10- 8-62	40.8	5-17-67	21.8	4-15-70	28.0
2-13-61	6.55	12-27-62	27.7	9-29-67	5.51	8-18-70	7.2
3- 7-61	54.2	4- 8-63	14.0	11-17-67	21.0	11-30-70	26.0
4-19-61	26.9	10-14-63	2.54	5-21-68	21.8	1-21-71	24.0
7-11-61	15.4	10-22-64	4.27	9-17-68	17.2	6-23-71	9.6
8- 3-61	29.3	2- 4-65	7.58	10-21-68	8.2	8-17-71	6.2
11- 9-61	37.7	6- 7-65	12.6	1- 8-69	43.0	11-16-71	5.1
2-14-62	21.9	9-15-65	9.0	5-14-69	26.0	2- 9-72	8.9
3-26-62	55.2	2-24-66	19.9	9-11-69	8.0	5-23-72	12.0
6-25-62	20.7	1-18-67	7.38	1-28-70	17.0	8- 9-72	2.8

LOW-FLOW MEASUREMENTS--Continued.

Lost Creek near Washita, Oklahoma, Miscellaneous site.

Lat. 35°06'55", long. 98°18'43", on west line of sec.1, T.7 N., R.11 W., at county highway bridge, 1-1/2 miles northeast of Washita, Okla.

Date	Discharge (ft ³ /s)
8-30-56	.067

Main Creek near Waynoka, Oklahoma, 07158010, partial record site.

Lat. 36°29'30", long. 98°53'30", on south line SE 1/4 SE 1/4 sec.3, T.23 N., R.16 W., Major County, at county road bridge on FAS road, 0.5 mile west of U.S. Highway 281, 6 miles south of Waynoka and about 2 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-28-64	3.92	2- 2-67	5.4	6-19-69	8.6	9-16-71	0
3- 4-65	2.48	4-27-67	6.0	7-30-69	.59	9-29-71	3.1
4-28-65	6.03	7-27-67	2.6	12-12-69	6.2	12- 8-71	8.4
7-21-65	0	10-19-67	2.2	3- 3-70	6.0	2-18-72	6.0
10- 6-65	8.7	2- 8-68	5.0	4- 8-70	8.5	5-24-72	3.7
2-16-66	12.0	4-18-68	1.9	8-13-70	2.1	8- 4-72	.29
4-13-66	7.0	7-25-68	0	11-18-70	5.7	10-26-72	4.30
7- 8-66	0	11-21-68	6.4	3-11-71	8.8	3-14-73	7.30
11-22-66	0	3-13-69	8.6	6- 8-71	1.7	5-18-73	16.0

Main Spring near Woodward, Oklahoma, Miscellaneous site.

Lat. 36°25'09", long. 99°15'25", SE 1/4 sec.23, T.23 N., R.20 W., at Boiling Springs State Park, 5 miles east of Woodward, Okla.

Date	Discharge (ft ³ /s)
6- 6-56	.04

Mill Creek near Mill Creek, Oklahoma, 07331200, partial record site.

Lat. 34°24'18", long. 96°51'47", in NW 1/4 sec.11, T.2 S., R.4 E., Johnston County, at county road bridge, 2 miles west of Mill Creek, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 3-51	2.15	11-23-54	1.96	5- 3-60	12.0	6- 7-67	8.8
10- 9-52	1.22	12-21-54	2.00	8-25-60	3.91	8- 8-67	5.1
11-18-52	2.01	2- 1-55	2.55	12- 1-60	5.31	12-11-67	5.8
12-23-52	2.06	3- 1-55	3.07	1-12-61	11.2	2-20-68	17.0
2- 4-53	1.28	6-13-55	1.68	3- 1-61	11.0	4-24-68	17.0
3-10-53	2.92	7-27-55	1.42	4- 5-61	18.6	9-19-68	4.3
4-14-53	5.19	9-21-55	.95	5-17-61	5.47	12-17-68	11.0
6- 2-53	7.05	1-17-58	7.84	11-30-61	10.8	3-12-69	24.0
6-23-53	3.66	3-19-58	19.4	8-22-62	2.94	6- 5-69	19.0
8-19-53	6.28	6-11-58	7.01	7-22-63	3.44	9-17-69	3.2
9-30-53	2.01	9- 5-58	4.81	10-11-63	1.04	12-12-69	4.5
11-17-53	3.74	11- 5-58	2.54	3-10-65	6.44	2-19-70	4.3
1-12-54	2.67	1- 8-59	2.73	6- 9-65	7.90	5-12-70	14.0
2-25-54	3.51	6- 9-59	2.32	7-14-65	3.47	8- 4-70	4.2
4-20-54	1.68	9-15-59	3.72	11-30-65	1.4	11-19-70	14.0
5-28-54	14.3	10-27-59	5.11	3-23-66	1.5	3-10-71	4.5
7-14-54	4.82	11-23-59	9.85	6-13-66	2.0	6- 9-71	3.6
8-24-54	3.03	12- 8-59	3.60	11-22-66	2.6	7- 8-71	2.6
9-16-54	1.25	1-27-60	16.5	2-15-67	1.4		

LOW-FLOW MEASUREMENTS--Continued.

Mill Creek near Ravia, Oklahoma, Miscellaneous site.

Lat. 34°13'15", long. 96°49'00", SE 1/4 sec.6, T.4 S., R.5 E., at county highway bridge 3-1/2 miles southwest of Ravia, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-19-49	5.36	6-30-50	10.80	11- 1-50	4.80	3- 1-55	20.8
8-30-49	1.49						

Montezuma Creek near Shulter, Oklahoma, Miscellaneous site.

Lat. 35°32'15", long. 95°57'30", on south line of sec.5, T.12 N., R.13 E., at bridge on U.S. Highway 75, 1 mile north of Schulter, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-15-56	0	5-30-56	.47	11-14-56	0	3-25-57	1.77
4-10-56	0	7- 8-56	0	1- 3-57	0	7- 9-57	.20
5- 8-56	0	8-14-56	0	2- 6-57	.40	9- 5-57	0

Mountain Fork River near Eagleton, Oklahoma, Miscellaneous site.

Lat. 34°08'30", long. 94°42'30", NW 1/4 sec.8, T.5 S., R.25 E., at Beaver Bend State Park, 9-1/2 miles northwest of Eagleton, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-22-54	.64	7-22-54	3.53	7-22-54	5.26	7-10-60	0
8- 3-54	.07	8- 3-54	.22	8- 3-54	2.87		

Mud Creek near Grady, Oklahoma, Miscellaneous site.

Lat. 34°00'00", long. 35°00", SE 1/4 sec.25, T.6 S., R.4 W., at bridge on State Highway 89, 6 miles east of Grady, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 6-51	.44	7-23-52	0	12-22-52	0	6- 1-53	0
11-26-51	.27	9- 3-52	0	2- 3-53	0	6-22-53	0
1-15-52	.28	10- 9-52	0	3- 9-53	0	8-18-53	5.66
3- 4-52	9.20	11-17-52	0	4-13-53	1.28	9-23-53	0
6-12-52	2.64						

Muddy Boggy Creek near Parker, Oklahoma, 07332700, partial record site.

Lat. 34°44'28", long. 96°15'51", in SW 1/4 sec.9, T.3 N., R.10 E., Coal County, at bridge on U.S. Highway 75, 5 miles west of Parker.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-12-57	12.4	10-31-61	12.2	5-24-65	4.34	7- 8-69	1.8
2-24-58	22.8	2-12-62	18.5	12- 1-65	.07	12-17-69	8.3
4- 7-58	32.3	5-18-62	8.68	3-17-66	4.9	2-18-70	11.0
8-27-59	1.7	7-11-62	.15	6- 9-66	.54	4- 9-70	22.0
9-14-59	.9	8-15-62	0	8-30-66	.22	8-11-70	0
10-26-59	17.6	9-20-62	5.68	11-22-66	.08	11-30-70	15.0
12- 7-59	16.0	2- 7-63	17.2	2-14-67	.38	3-10-71	18.0
3-21-60	32.9	4-23-63	10.9	5-25-67	7.3	6-23-71	13.0
9-13-60	.7	8-20-63	0	8-29-68	.19	8-31-71	.63
11-29-60	11.5	10-11-63	0	12- 5-68	3.5	3- 8-71	11.0
1-10-61	20.8	12- 3-63	0	2-14-68	22.0	6-22-72	.78
2-27-61	18.3	2-18-64	3.03	5- 7-68	11.0	8- 2-72	0
3-21-61	20.9	4-11-64	7.72	9-10-68	2.6	12- 5-72	25.
4- 4-61	22.4	12-14-64	11.3	12-11-68	19.0	2-21-73	23.
5-15-61	12.9	3- 9-65	6.21	6-19-69	38.0	5-15-73	45.
9-11-61	1.17						

LOW-FLOW MEASUREMENTS--Continued

Mulberry Creek near Mangum, Oklahoma, Miscellaneous site.

Lat. 34°51'28", long. 98°38'00", SW 1/4 sec.4, T.4 N., R.23 W., at bridge on county road 7-1/2 miles southwest of Mangum, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-16-52	.76	4-22-54	.98

McGee Creek near Farris, Oklahoma, Miscellaneous site.

Lat. 34°18'45", long. 95°52'30", NW 1/4 sec.7, T.3 S., R.14 E., at site 3-1/2 miles north of Farris, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-1-56	11.7	4-9-58	48.8	1-29-59	1.65	9-14-59	.17
2-25-58	17.6	11-4-58	.24	8-26-59	.40		

Noble Springs near Texola, Oklahoma, Miscellaneous site.

Lat. 34°47'46", long. 99°32'34", SW 1/4 sec.28, T.4 N., R.22 W., 6 miles north of Texola, Okla.

Date	Discharge (ft ³ /s)
8-27-52	.01

North Boggy Creek near Atoka, Oklahoma, Miscellaneous site.

Lat. 34°31'00", long. 96°05'30", SW 1/4 sec.7, T.1 S., R.12 E., 6 miles northeast of Atoka, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-20-49	.48	11-1-50	58.90	6-10-58	2.58	11-4-58	.60
8-30-49	.08	4-8-58	42.3	7-16-58	21.2	1-29-59	.36

North Fork Red River near Carter, Oklahoma, Miscellaneous site.

Lat. 35°10'05", long. 99°30'25", in NW 1/4 SE 1/4 sec.15, T.8 N., R.22 W., Beckham County, near left bank on downstream side of pier of bridge on State Highway 34, 3.0 mi south of Carter, 10.8 mi downstream from Tinker Creek and at mile 110.5.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-8-63	104.	8-5-63	0	10-10-63	0	10-20-63	0
5-6-63	11.3					4-30-64	4.33

North Fork Red River near Frederick, Oklahoma, Miscellaneous site.

Lat. 34°20'32", long. 99°11'15", NW 1/4 sec.33, T.2 S., R.19 W., half a mile upstream from mouth and 11 miles southwest of Frederick, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-13-53	0	4-22-53	15.2

North Fork of Red River near Granite, Oklahoma, Miscellaneous site.

Lat. 35°00'00", long. 99°21'43", NE 1/4 sec.19, T.6 N., R.20 W., 1 mile above Lake Altus and 2 miles northeast of Granite, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-30-50	33.0	11-15-50	46.0	12-11-51	30.2

LOW-FLOW MEASUREMENTS--Continued

North Fork Red River near Humphreys, Oklahoma, Miscellaneous site.

Lat. 34°31'37", long. 99°14'00", NE 1/4 NE 1/4 sec.28, T.1 N., R.19 W., at site 3 miles southeast of Humphreys, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-13-53	1.69	4-22-53	11.70

North Fork Red River near Mayfield, Oklahoma, Miscellaneous site.

Lat. 35°18'14", long. 99°57'08", NW 1/4 sec.22, T.10 N., R.26 W., at county highway bridge, 3-1/2 miles west of Mayfield, Okla.

Date	Discharge (ft ³ /s)
4-18-51	22.4

North Fork Red River near Texola, Oklahoma, Miscellaneous site.

Lat. 35°17'00", long. 99°59'00", SW 1/4 sec.31, T.10 N., R.26 W., at county highway bridge, 5 miles north of Texola, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-18-51	.47	3-24-52	0	1- 6-53	0	11-16-53	.05
12-11-51	5.50	8-20-52	0	3-11-53	0	12-23-53	0
2- 6-52	7.21	10-28-52	0	9-29-53	0		

North Fork Red River near Tipton, Oklahoma, Miscellaneous site.

Lat. 34°32'00", long. 99°12'00", NE 1/4 sec.28, T.1 N., R.19 W., 2 miles below mouth of Otter Creek and 4 miles northwest of Tipton, Oklahoma

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-29-45	15.5	11-30-45	52.6	2-13-53	.89	4-22-53	12.8
11-29-45	14.4						

North Fork Red River near Willow, Oklahoma, Miscellaneous site.

Lat. 35°03'00", long. 99°22'51", NE 1/4 sec.24, T.7 N., R.21 W., at county highway bridge, 8 miles east of Willow, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-30-50	30.0	11-15-50	48.9	12-11-51	24.8

Oil Creek near Baum, Oklahoma, Miscellaneous site.

Lat. 34°15'14", long. 96°55'43", NE 1/4 sec.30, T.3 S., R.4 E., 2-1/2 miles northeast of Baum, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
8-10-58	1.58	11-15-55	1.57

LOW-FLOW MEASUREMENTS--Continued.

Omaha Creek near Ponca City, Oklahoma, Miscellaneous site.

Lat. 36°39'28", long. 97°06'34", NW 1/4 sec.16, T.25 N., R.2 E., at county highway bridge, 1-1/4 miles west of White Eagle station, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-22-52	3.39	12- 3-52	3.97

Palo Duro Creek near Range, Oklahoma, 07233700, partial record site.

Lat. 36°37'00", long. 101°01'24", in SW 1/4 sec.21, T.2 N., R.19 E., Texas County, at bridge on State Highway 3, 6 miles northeast of Range.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-21-51	2.42	5-14-58	6.57	10-17-63	0	8-13-68	0
2-29-52	8.74	10-21-58	2.15	12- 6-63	2.07	12-24-68	7.0
5- 6-52	6.43	12-19-58	13.6	2-13-64	8.42	2-28-69	6.8
6-13-52	0	2-16-59	7.99	6- 3-64	3.12	6-23-69	3.1
7-24-52	1.16	4- 1-59	6.10	7-21-64	0	8-12-69	0
8-14-52	0	9- 2-59	0	8-31-64	0	12-24-69	7.2
11-10-53	6.14	9-30-59	0	12-28-64	7.69	3-24-70	4.2
12-29-53	5.13	11-24-59	4.78	3- 2-65	9.11	4-14-70	3.5
2-26-54	4.52	1- 6-60	5.44	4-13-65	3.57	8- 3-70	.64
4-27-54	1.96	2-16-60	12.4	8-10-65	6.77	12- 2-70	4.4
10-25-54	.73	4-18-60	3.15	10- 8-65	1.8	2-16-71	5.2
2- 9-55	7.33	10-12-60	13.4	2-15-66	5.1	6-25-71	.68
4- 4-55	2.34	1-17-61	11.3	4-12-66	4.8	7-26-71	3.2
7- 7-55	.76	3- 2-61	5.77	7- 6-66	0	9-30-71	1.6
12-12-55	2.71	4-20-61	7.31	10-11-66	2.6	12- 9-71	13.0
3-23-56	3.63	11- 7-61	6.64	1-23-67	5.4	3- 1-72	5.2
4-30-56	1.76	2-13-62	6.38	5-12-67	0	6- 6-72	2.6
8-28-56	1.84	9-25-62	3.30	8-28-67	.33	8-11-72	0
12- 5-56	2.29	1-22-63	2.85	11-27-67	1.2	12-18-72	3.4
11-29-57	1.58	3-15-63	6.36	2- 5-68	4.9	3- 8-73	6.9
5-15-57	8.37	7-26-63	0	6-24-68	5.3	5-30-73	12.0
2-21-58	6.12						

Pennington Creek near Reagan, Oklahoma, 07331300, partial record site.

Lat. 34°21'51", long. 96°43'01", in SE 1/4 sec.30, T.2 S., R.6 E., Johnston County, at low-water dam, 0.8 mile above bridge on State Highway 7, 0.8 mile northeast of Reagan, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-10-51	28.6	7-14-54	17.0	5- 3-60	41.6	11-24-67	33.0
11-27-51	16.1	8-24-54	10.6	8-25-60	18.8	4-17-68	47.0
1-16-52	13.6	9-16-54	6.73	12- 1-60	17.4	4-25-68	69.0
3- 5-52	15.1	11-23-54	9.65	1-12-61	27.1	9-19-68	22.0
4-23-52	124.	12-21-54	10.3	3- 1-61	22.1	12-18-68	41.0
6-11-52	25.7	2- 1-55	18.8	4- 5-61	36.0	3-13-69	64.0
7-22-52	10.1	3- 2-55	23.4	5-17-61	29.5	6- 4-69	116.0
9- 3-52	9.93	6-13-55	20.4	7-19-61	10.6	9-17-69	23.0
10- 9-52	8.20	7-27-55	21.6	11-30-61	44.2	12-17-69	22.0
11-18-52	7.41	9-21-55	12.0	8-22-62	13.0	2-19-70	22.0
12-28-52	8.95	1-17-58	38.8	7-22-63	7.71	5-19-70	47.0
2- 4-53	7.48	3-19-58	56.5	10-11-63	8.61	8- 4-70	21.0
3-10-53	8.99	6-11-58	37.6	12-16-64	41.8	8-11-70	18.0
4-14-53	13.4	9- 5-58	17.8	3- 4-65	36.0	12- 8-70	35.0
6- 2-53	23.1	11- 5-58	9.94	6-18-65	41.5	3-10-71	24.0
6-23-53	15.4	1- 8-59	10.8	11-30-65	10.0	4- 8-71	17.0
8-19-53	20.4	7-15-59	21.2	3-17-66	21.0	8- 3-71	11.0
9-30-53	13.9	9-15-59	7.07	6-30-66	18.0	8-11-71	10.0
11-17-53	10.8	10-27-59	25.7	11- 8-66	11.0	11-24-71	20.0
1-12-54	10.2	12- 8-59	29.8	2-20-67	6.3	12-11-71	161.0
2-25-54	13.8	1-27-60	51.6	6- 6-67	46.0	9-25-72	9.2
4-20-54	7.74	3-23-60	48.9	8- 7-67	25.0	5-15-73	83.
5-28-54	52.3						

LOW-FLOW MEASUREMENTS--Continued.

Pennington Creek near Tishomingo, Oklahoma, Miscellaneous site.

Lat. 34°19'50", long. 96°43'25", SW 1/4 sec.5, T.3 S., R.6 E., at ford, 6 miles northwest of Tishomingo, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-19-49	25.0	8-30-49	17.0	6-30-50	45.6	11- 1-50	40.4

Persimmon Creek near Mutual, Oklahoma, 07237700, partial record site.

Lat. 36°15'45", long. 99°10'30", in NW 1/4 NW 1/4 sec.31, T.21 N., R.18 W., Woodward County, at bridge on U.S. Highway 270, 2 miles north of Mutual, and 5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-20-44	7.75	2-17-65	7.88	10-19-67	0	7-24-70	0
11-25-44	5.80	4-28-65	4.41	2- 8-68	4.7	11- 5-70	0
9-28-49	3.58	7-21-65	0	6-20-68	2.1	3- 4-71	13.0
10-29-57	3.54	10- 7-65	0	8- 9-68	0	5-27-71	0
1- 8-58	3.01	2-16-66	11.0	11-21-68	0	9- 8-71	0
2- 5-58	5.81	3- 8-66	8.5	3-13-69	15.	12-16-71	6.4
3-31-58	15.6	4-13-66	4.7	6-25-69	4.7	2-17-72	4.7
5-19-58	4.33	7- 7-66	0	8- 5-69	0	5-25-72	0
7-24-58	16.1	12- 1-66	1.1	9-26-69	1.0	8-15-72	.46
10-21-58	0	2- 2-67	6.4	12-18-69	4.9	12-21-72	11.
6-15-59	0	4-27-67	5.8	2-26-70	4.6	3- 1-73	9.6
8-13-59	0	7-27-67	0	5-13-70	2.9	5-22-73	7.9
10-29-64	0						

Persimmon Creek near Sharon, Oklahoma, Miscellaneous site.

Lat. 36°15'28", long. 99°12'51", sec.33, T.21 N., R.19 W., 6 miles east of Sharon, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-15-56	1.46	6-18-56	0	4-11-57	5.50	8-14-57	.08
4-17-56	1.37	2-27-57	.78	7-10-57	3.41	9-11-57	.42
5-25-56	.11						

Persimmon Creek (North), near Sharon, Oklahoma, Miscellaneous site.

Lat. 36°20'00", long. 99°20'00" on west line of sec.27, T.21 N., R.20 W., at bridge on State Highway 34, 1/2 mile south of Sharon, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-15-56	1.49	12-12-56	.77	7-10-57	1.57	10-18-57	2.29
4-17-56	1.15	2-27-57	2.90	8-14-57	.38	11-12-57	2.85
5-23-56	.64	4-11-57	2.82	9-11-57	1.51	12-20-57	2.81
6-19-56	.27						

Persimmon Creek (South), near Sharon, Oklahoma, Miscellaneous site.

Lat. 36°13'30", long. 99°19'00", on north line of sec.10, T.20 N., R.20 W., at county highway bridge, 3 miles south of Sharon, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-15-56	1.61	12-12-56	.13	7-10-57	.23	10-18-57	1.52
4-17-56	.94	2-27-57	1.48	8-14-57	0	11-13-57	2.56
5-23-56	.19	4-11-57	2.34	9-11-57	0	12-20-57	2.46
6-19-56	0						

LOW-FLOW MEASUREMENTS--Continued.

Pigeon Creek near Page, Oklahoma, Miscellaneous site.

Lat. 34°39'36", long. 94°31'25", near center sec.14, T.2 N., R.26 E., at bridge crossing of State Highway 63, 4-1/2 miles south of Page, Okla.

Date	Discharge (ft ³ /s)
7-10-60	1.08

Pond Creek near Eakly, Oklahoma, Miscellaneous site.

Lat. 35°17'46", long. 98°37'25", center E line sec.31, T.10 N., R.13 W., at county highway bridge, 3 miles west of Eakly, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-15-52	2.98	11- 5-52	5.20	4-30-53	6.14	6-22-53	2.22

Pond Creek near Fort Cobb, Oklahoma, Miscellaneous site.

Lat. 35°21'55", long. 98°30'17", NW 1/4 sec.30, T.9 N., R.12 W., at county highway bridge 1/4 mile south of Swan Lake and 10 miles northwest of Fort Cobb, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-23-46	17.8	10-23-46	21.3	10-23-46	22.5

Pond Creek near Swan Lake, Oklahoma, Miscellaneous site.

Lat. 35°15'55", long. 98°37'36", SE 1/4 sec.22, T.9 N., R.13 W., at county highway bridge, 2 miles west of Swan Lake, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-15-52	4.56	11- 5-52	8.93	4-30-53	12.3	6-22-53	3.67

Pond Creek near Lamont, Oklahoma, Miscellaneous site.

Lat. 36°41'00", long. 97°35'30", SE 1/4 sec.35, T.26 N., R.4 W., at ford 1-3/4 miles above St. Louis & San Francisco Railway bridge and 2 miles southwest of Lamont, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-19-51	31.50	12-23-52	1.17	12-28-53	.60	10-25-54	.06
10-24-51	4.97	2-17-53	.96	1-12-54	.24	11- 4-54	.05
10-11-51	11.00	3-24-53	.49	2-16-54	.18	1- 4-55	.09
1-23-52	9.97	5- 5-53	.43	3-16-54	.19	2- 1-55	.09
3- 4-52	37.40	6- 2-53	.14	4- 6-54	.59	3-22-55	.13
5- 8-52	15.40	6-23-53	.90	6- 7-54	2.13	4- 5-55	.36
6- 2-52	3.99	9-22-53	.10	7- 7-54	.05	5- 3-55	.05
7-24-52	.51	10-22-53	.10	8- 3-54	.05	7-13-55	.05
9- 3-52	.53	11-25-53	2.21	9-29-54	.02	8- 2-55	.01
11- 5-52	.32					9-21-55	.01

Pony Creek near Optima, Oklahoma, 07232620, partial record site.

Lat. 36°45'39", long. 101°17'26", on south line sec.36, T.4 N., R.16 E., Texas County, at county road bridge, 4 miles east of Optima, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-66	0	3-22-68	0	5-26-69	0	8- 7-70	0
1-23-67	0	4-18-68	0	8-12-69	0	12- 2-70	0
5- 8-67	0	8- 9-68	0	12-24-69	0	3- 5-71	0
8-31-67	0	11-22-68	0	3- 9-70	0	6-15-71	0
11-27-67	0	2-28-69	0	5- 5-70	0	9- 3-71	0

LOW-FLOW MEASUREMENTS--Continued

Pryor Creek near Pryor, Oklahoma, Miscellaneous site.

Lat. 36°15'00", long. 95°15'30", NE 1/4 sec.3, T.20 N., R.19 E., at site below paper mill, 5 miles southeast of Pryor, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-11-52	52.8	5-15-53	138.0	4-12-54	3.52	3-11-54	7.37
6- 2-52	10.2	6-18-53	12.0	10-28-53	13.6	4-12-54	14.2
8- 7-52	13.2	7-23-53	10.6	11-25-53	14.6	5-18-54	7.62
8-13-52	13.2	8-18-53	10.8	12-17-53	8.98	6-16-54	17.6
10-23-52	6.02	9-30-53	8.42	1-29-54	9.62	8-19-54	9.16
12- 5-52	7.94	8-19-54	.40	2-10-54	8.04	9-29-54	10.2
2-13-53	12.4						

Quapaw Creek near Meeker, Oklahoma, Miscellaneous site.

Lat. 35°31'00", long. 96°52'00", NW 1/4 NW 1/4 sec.16, T.12 N., R.4 E., at bridge on State Highway 18, 1 mile north of Meeker, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-17-53	0	3-23-54	.99	8-20-54	0	4-28-55	8.42
12-16-53	1.16	5- 4-54	26.6	11-18-54	0	7-11-55	0
2- 2-54	.90	6-14-54	.10	2-15-55	0	8-17-55	0

Rainy Mountain Creek near Mountain View, Oklahoma, 07325300, partial record site.

Lat. 35°05'45", long. 98°43'00", NW 1/4 sec.12, T.7 N., R.15 W., at bridge on State Highway 9, 1/4 mile east of Mountain View, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 5-51	0	1-20-53	0	5- 5-54	6.09	6-15-55	3.33
10- 8-51	11.9	3- 2-53	.02	6- 3-54	5.78	7-20-55	15.4
11-29-51	.15	3-31-53	0	6-29-54	0	8-22-55	0
1-15-52	.09	5-18-53	4.21	8- 2-54	0	2- 4-58	8.93
3- 5-52	.38	6-22-53	0	9- 7-54	0	2-24-59	1.93
5-16-52	0	7-27-53	.1	10-19-54	0	8-21-59	.92
6- 4-52	8.57	8-25-53	0	11-15-54	0	9-15-59	0
7- 9-52	0	11- 3-53	1.07	12-16-54	0	11-30-60	4.54
8-20-52	0	12- 1-53	.04	1-17-55	0	3- 7-61	4.05
10- 1-52	0	1-18-54	.04	2-14-55	0	3-15-61	3.34
10- 7-52	0	2-15-54	.04	3-16-55	0	6- 2-61	0
12-11-52	0	3-15-54	.04	4-19-55	0		

Red Rock Creek near Dougherty, Oklahoma, Miscellaneous site.

Lat. 34°24'28", long. 97°01'43", SW 1/4 sec.7, T.2 S., R.3 E., at county highway bridge, 1 mile east of Dougherty, Okla.

Date	Discharge (ft ³ /s)
10- 7-52	6.39

LOW-FLOW MEASUREMENTS--Continued.

Red Rock Creek near Red Rock, Oklahoma, Miscellaneous site.

Lat. 36°30'00", long. 97°10'00", SW 1/4 sec.15, T.23 N., R.1 E., at bridge on State Highway 15, 1/2 mile west of Red Rock, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 4-51	.87	10-22-53	0	2- 8-55	0	5- 9-56	.26
10-23-51	26.30	11-25-53	2.30	3-22-55	3.53	6- 5-56	.69
12-11-51	8.75	12-15-53	.16	4- 5-55	.32	7- 3-56	0
1-22-52	8.61	1-12-54	.01	5- 3-55	0	8-15-56	.86
3- 4-52	101.00	2-16-54	0	6-27-55	8.26	11-14-56	.10
6- 2-52	2.86	3- 2-54	.03	8- 2-55	0	12-11-56	0
9- 3-52	0	4- 6-54	.08	9-21-55	0	1- 3-57	.10
1- 7-53	0	6- 7-54	.65	10-27-55	1.12	2- 5-57	0
2- 3-53	0	8- 3-54	0	11-14-55	.85	3- 6-57	0
3-24-53	.13	9- 8-54	0	12-20-55	.98	4-11-57	1.38
5- 6-53	.03	10-12-54	64.3	1- 6-56	.27	5- 1-57	32.1
6- 2-53	.02	11-15-54	0	2-21-56	1.33	7-25-57	31.4
6-23-53	.30	12-15-54	0	3- 8-56	.43	8- 8-57	3.60
8-25-53	.03	1- 4-55	0	4-13-56	3.95	9-10-57	1.13
9-22-53	0					10-22-57	2.27

Rock Creek near Dougherty, Oklahoma, 07329900, partial record site.

Lat. 34°30'00", long. 97°05'00", W 1/2 sec.7, T.2 S., R.3 E., 1 mile east of Dougherty, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-30-49	14.8	9- 2-52	3.30	11-17-53	9.70	1-17-55	13.3
2- 8-50	32.6	11-18-52	14.9	1-12-54	13.1	- 1-55	12.7
9-10-51	28.2	12-23-52	10.4	2-24-54	8.60	4-11-55	.68
10-10-51	9.19	2- 4-53	8.23	4-19-54	6.19	6-14-55	6.27
11-27-51	14.7	3-10-53	13.7	5-27-54	53.60	7-27-55	2.93
1-16-52	10.8	4-14-53	6.92	7-13-54	6.90	9-20-55	.37
3- 5-52	17.5	6- 2-53	13.2	8-23-54	3.87	7-18-58	19.2
4-22-52	534.0	6-23-53	5.74	9-15-54	2.00	10-30-58	11.1
6-12-52	13.5	8-19-53	15.5	11- 1-54	8.16	2-19-59	7.85
7-24-52	5.48	10- 1-53	5.43	12- 7-54	7.20	7-15-59	4.60

Roman Nose Springs near Watonga, Oklahoma, Miscellaneous site.

Lat. 35°59'00", long. 98°25'00", SW 1/4 sec.24, T.17 N., R.12 W., in Roman Nose State Park, 6 miles north of Watonga, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-27-49	1.80	7- 7-53	1.22	8-17-54	.92	9-18-55	1.06
10-15-52	1.18					11- 5-57	1.76

Round Spring Creek near Disney, Oklahoma, Miscellaneous site.

Lat. 36°29'46", long. 95°01'08", SW 1/4 sec.13, T.23 N., R.21 E., at county highway bridge, 1/2 mile south of Disney, Okla.

Date	Discharge (ft ³ /s)
3- 5-54	2.23

Roundup Creek near Woodward, Oklahoma, Miscellaneous site.

Lat. 36°28'30", long. 99°28'30", NW 1/4 sec.17, T.23 N., R.21 W., at bridge on U.S. Highway 270, 5 miles northwest of Woodward, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
4-18-56	0	12-12-56	.01	7-11-57	.05	10-17-57	.63
5-23-56	0	2-26-57	.11	8-14-57	.04	11-12-57	1.10
6-19-56	0	4-12-57	.26	9-11-57	.04	12-19-57	.80

LOW-FLOW MEASUREMENTS--Continued.

Rush Creek near Mackie, Oklahoma, Miscellaneous site.

Lat. 34°42'41", long. 99°48'34", SW 1/4 sec.12, T.14 N., R.25 W., at railway bridge, 1 mile northwest of Mackie, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-13-55	0	3-11-57	1.89

Rush Creek near Pauls Valley, Oklahoma, Miscellaneous site.

Lat. 34°43'45", long. 97°15'00", SW 1/4 sec.18, T.3 N., R.1 E., at county highway bridge, 1 mile west of Pauls Valley, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7- 1-52	1.24	7-23-52	3.38	8- 1-52	0	2- 4-53	7.99
7-11-52	7.29						

Rush Creek near Rush Springs, Oklahoma, Miscellaneous site.

Lat. 34°46'37", long. 97°56'00", NW 1/4 NW 1/4 sec.33, T.4 N., R.7 W., at bridge on county road at Rush Springs, Okla.

Date	Discharge (ft ³ /s)
9-23-52	.24

Salina Creek near Salina, Oklahoma, Miscellaneous site.

Lat. 36°17'30", long. 95°07'00", center sec.26, T.21 N., R.20 E., at bridge on State Highway 82, 1-1/2 miles southeast of Salina, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-19-51	133.0	4-25-52	189.0	8- 8-52	6.94	3-27-53	73.00
1-15-52	71.3	6-11-52	16.8	10-24-52	.33	5-20-53	180.0
2-15-52	78.2	7- 8-52	6.62	2-20-53	7.60	7-23-53	5.76
3-28-52	68.4					7-12-60	11.2

Salt Creek near Dewright, Oklahoma, Miscellaneous site.

Lat. 35°00'00", long. 96°40'00", SW 1/4 sec.27, T.7 N., R.6 E., at bridge on State Highway 48, 2-1/2 miles south of Dewright, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 7-51	.38	12-16-53	10.7	2-13-56	6.31	7-10-57	15.2
10-31-51	18.0	2- 2-54	16.6	3-15-56	5.22	9- 4-57	3.48
12-12-51	4.80	3- 2-54	13.5	5-14-56	3.83	12- 3-57	19.3
1-15-52	5.81	4-20-54	7.35	7-13-56	3.65	9-17-58	11.6
2-26-52	23.5	6- 2-54	20.3	8-14-56	0	11-19-58	5.46
6- 3-52	53.6	7- 2-54	2.24	8-27-56	0	12-17-58	9.71
7-22-52	9.83	9-14-54	.92	9-29-56	0	2-16-59	5.11
9- 2-52	.17	10-26-55	3.87	11-13-56	1.78	3-31-59	8.67
10-16-53	5.50	1- 6-56	5.36	2- 5-57	4.44	6-15-59	4.46
11-18-53	23.8					8-13-59	2.56

LOW-FLOW MEASUREMENTS--Continued.

Salt Creek near Hitchcock, Oklahoma, Miscellaneous site.

Lat. 36°00'28", long. 98°23'25", NE 1/4 NE 1/4 sec.28, T.18 N., R.11 W., at county highway bridge, 3-1/2 miles northwest of Hitchcock, Okla.

Date	Discharge (ft ³ /s)
8-17-54	0

Salt Creek near Pearson, Oklahoma, Miscellaneous site.

Lat. 35°05'00", long. 96°55'00", NE 1/4 sec.18, T.7 N., R.4 E., at bridge on State Highway 18, 1 mile north of Pearson, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-13-56	.70	8-27-56	0	1-27-58	9.80	2-16-59	1.28
3-26-56	0	11-13-56	0	2-18-58	7.02	3-31-59	1.91
4-17-56	0	12-31-56	0	3-31-58	24.4	6-15-59	.32
4-24-56	21.8	2- 5-57	0	5-12-58	23.2	8-13-59	0
5-23-56	0	3- 6-57	1.87	7-29-58		11- 8-59	14.3
6-14-56	0	7-30-57	2.48	9-17-58	.92	1-26-60	1.80
7- 3-56	0	9- 4-57	.05	10-28-58	.59	3- 8-60	28.6
7-13-56	0	12- 2-57	7.16	11-17-58	2.42	9-20-60	1.86
8-14-56	0						

Salt Creek near Yale, Oklahoma, Miscellaneous site.

Lat. 36°09'14", long. 96°47'25", west line sec.4, T.19 N., R.5 E., at bridge on State Highway 18, 5 miles northwest of Yale, Oklahoma.

Date	Discharge (ft ³ /s)
10-25-48	.01

Salt Creek near Shidler, Oklahoma, 07152400, partial record site.

Lat. 36°45'00", long. 96°40'00", NW 1/4 NW 1/4 sec.10, T.26 N., R.6 E., at bridge on State Highway 18, 2 miles southeast of Shidler, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-10-53	0	5- 3-55	0	8-18-59	14.3	2-13-62	23.3
12-16-53	0	6- 7-55	9.96	1- 28-59	27.0	5-16-62	2.19
1-12-54	0	7-13-55	0	11-19-59	22.1	8-14-62	.75
2-16-54	0	8- 1-55	0	12-15-59	11.9	10-16-62	0
3- 1-54	0	11- 5-57	0	5-18-60	17.3	12-19-62	0
4- 5-54	0	12- 3-57	0	6-14-60	9.05	3-19-63	19.0
4-26-54	0	1- 3-58	0	8-17-60	0	4-16-63	3.96
5-11-54	5.93	2- 5-58	2.17	9-20-60	0	6-18-63	0
6- 2-54	.76	3- 3-58	1.18	10-25-60	0	8-21-63	0
7- 6-54	0	5-20-58	6.94	1-17-61	3.93	12-17-63	0
8- 2-54	0	6-10-58	.78	2-15-61	3.56	3-17-64	0
9- 9-54	0	8- 6-58	4.43	3-16-61	19.2	5- 5-64	0
10-13-54	0	10- 9-58	0	4-18-61	28.5	6- 5-64	4.54
11- 3-54	0	11-18-58	0	6-15-61	63.1	3- 9-65	22.4
12-15-54	0	1-29-59	0	8- 2-61	2.99	7-15-65	10.1
1- 3-55	0	3-10-59	17.4	10- 3-61	31.7	11- 3-65	0
2- 1-55	0	4- 1-59	28.2	11-14-61	148.	3- 9-66	9.3
3- 7-55	0	6- 9-59	9.88	12-19-61	174.	6- 1-66	2.6
4- 5-55	0						

LOW-FLOW MEASUREMENTS--Continued.

Salt Fork Arkansas River near Alva, Oklahoma, 07148400, partial record site.

Lat. 36°48'45", long. 98°38'45", SW 1/4 SW 1/4 sec.18, T.27 N., R.13 W., at bridge on State Highway 14, 1 mile northeast of Alva, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11- 5-52	.19	4-28-53	5.45	9- 1-53	.26	2- 1-54	38.0
12- 2-52	.67	6- 1-53	.95	10- 1-53	.55	3- 1-54	20.2
1- 6-53	44.0	6-29-53	.56	11- 2-53	1.08	4-27-54	15.3
2- 3-53	19.5	8- 5-53	2.06	1- 5-54	10.4	6- 2-54	42.7
3- 2-53	96.0						

Salt Fork Arkansas River near Tonkawa, Oklahoma, Miscellaneous site.

Lat. 36°39'55", long. 97°26'00", NW 1/4 sec.17, T.25 N., R.2 W., at county highway bridge, 8-1/2 miles upstream from Deer Creek and 7-1/2 miles southwest of Tonkawa, Okla.

Date	Discharge (ft ³ /s)
10-21-52	27.7

Salt Fork Red River near Gould, Oklahoma, Miscellaneous site.

Lat. 34°51'28", long. 99°43'25", SE 1/4 SE 1/4 sec.6, T.4 N., R.24 W., at site 12 miles north of Gould, Okla.

Date	Discharge (ft ³ /s)
2-10-54	17.9

Salt Fork Red River near Mangum, Oklahoma, Miscellaneous site.

Lat. 34°50'04", long. 99°39'43", NW 1/4 sec.16, T.4 N., R.23 W., at site 9-1/2 miles southwest of Mangum, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-29-54	6.36	3-29-54	5.76	3-29-54	4.98	3-29-54	4.47
3-29-54	6.58					3-29-54	4.50

Salt Fork Red River near Reed, Oklahoma, Miscellaneous site.

Lat. 34°52'09", long. 99°42'17", SE 1/4 SE 1/4 sec.35, T.5 N., R.24 W., at county highway bridge, 3 miles south of Reed, Okla.

Date	Discharge (ft ³ /s)
2-10-54	17.9

Salt Fork Red River near Russell, Oklahoma, Miscellaneous site.

Lat. 34°50'04", long. 99°39'32", NW 1/4 NW 1/4 sec.16, T.4 N., R.23 W., at site 4-1/2 miles northeast of Russell, Okla.

Date	Discharge (ft ³ /s)
2-10-54	18.4

LOW-FLOW MEASUREMENTS--Continued.

Salt Fork Red River near Vinson, Oklahoma, Miscellaneous site.

Lat. 34°50'45", long. 99°54'30", SE 1/4 sec.3, T.4 N., R.26 W., at bridge on State Highway 30, 5 miles southwest of Vinson, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-11-53	2.97	11-16-53	9.30	2-10-54	18.1	12-23-54	0
9-29-53	0	12-21-53	20.2	10-19-54	0		

Sand Creek near Okesa, Oklahoma, Miscellaneous site.

Lat. 36°43'00", long. 96°08'00", NE 1/4 sec.20, T.26 N., R.11 E., 1/4 mile upstream from county highway bridge and 1/2 mile north of Okesa, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-31-51	109.0	5- 5-53	11.5	3-15-54	.09	12-14-54	.23
12-12-51	20.0	6- 1-53	2.01	4- 5-54	.02	1- 3-55	7.58
3- 4-52	350.0	6-22-53	.46	4-26-54	.05	2- 1-55	2.31
4-22-52	291.0	8-13-53	0	5-10-54	13.6	3- 2-55	3.64
6- 3-52	5.03	9-21-53	0	6- 2-54	23.1	4- 4-55	24.8
7-21-53	.19	10-21-53	.01	7- 6-54	.05	5- 2-55	4.03
9- 2-52	0	11-10-53	.01	8- 2-54	0	6- 7-55	14.9
1- 6-53	0	12-16-53	.69	9- 9-54	0	7-13-55	.10
2-17-53	.03	1-11-54	.16	10-13-54	0	8- 1-55	0
3-23-53	1.58	2-15-54	.34	11- 3-54	3.24	9- 2-55	0

Sand Creek near Roll, Oklahoma, Miscellaneous site.

Lat. 35°48'48", long. 99°49'43", NW 1/4 sec.14, T.15 N., R.25 W., at county highway bridge, 7 miles west of Roll, Okla.

Date	Discharge (ft ³ /s)
9-13-55	.16

Sand Creek near Sharon, Oklahoma, Miscellaneous site.

Lat. 36°19'37", long. 99°13'56", SW 1/4 SW 1/4 sec.4, T.21 N., R.19 W., 6 miles northeast of Sharon, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-20-44	.41	9-28-48	.40

Sand Creek near Woodward, Oklahoma, Miscellaneous site.

Lat. 36°19'37", long. 99°13'56", SW 1/4 sec.4, T.21 N., R.19 W., at bridge on U.S. Highway 270, 11 miles southeast of Woodward, Okla.

Date	Discharge (ft ³ /s)
6- 5-56	1.51

LOW-FLOW MEASUREMENTS--Continued.

Sandy Creek near Byron, Oklahoma, 07149700, partial record site.

Lat. 36°53'03", long. 98°13'02", NE 1/4 NE 1/4 sec.25, T.28 N., R.10 W., at county road bridge a quarter of a mile downstream from Little Sandy Creek, 4-1/2 miles southeast of Byron and about 6 miles upstream from Great Salt Plains Reservoir.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-18-64	1.15	1-31-67	1.9	12-18-69	9.0	11-17-71	4.0
1-19-65	23.5	8-12-67	3.0	2- 3-70	8.7	3- 9-72	3.3
8-17-65	5.87	1-29-68	4.0	5-19-70	9.3	4-19-72	2.4
12- 7-65	12.0	6- 6-68	2.8	7- 7-70	11.0	8- 2-72	2.2
3-10-66	25.0	7-17-68	.19	11-10-70	6.0	10-25-72	19.
7- 8-66	1.1	11-25-68	3.9	3-23-71	8.7	2-28-73	38.
9- 9-66	1.6	4-16-69	9.1	5- 5-71	6.6	5-23-73	55.
11-22-66	.94	7-10-69	5.2	8-18-71	8.7		

Sandstone Creek near Cheyenne, Oklahoma, Miscellaneous site.

Lat. 35°36'28", long. 99°33'25", NE 1/4 sec.23, T.13 N., R.22 W., at county highway bridge, 1/2 mile above mouth and 9 miles east of Cheyenne, Okla.

Date	Discharge (ft ³ /s)
1- 5-56	3.48

Sergeant Major Creek near Cheyenne, Oklahoma, Miscellaneous site.

Lat. 35°33'28", long. 99°43'08", NE 1/4 SE 1/4 sec.35, T.13 N., R.24 W., at site 4-1/2 miles southwest of Cheyenne, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2- 5-54	1.14	7-30-56	.41	9-13-56	.35

Sheep Creek near Harden City, Oklahoma, Miscellaneous site.

Lat. 34°36'00", long. 96°32'27", in SW 1/4 NW 1/4 sec.34, T.2 N., R.7 E., at county highway bridge 1-1/4 miles above mouth and 2 miles east of Harden City, Oklahoma.

Date	Discharge (ft ³ /s)
12-12-57	11.6

Shell Creek near Sand Springs, Oklahoma, Miscellaneous site.

Lat. 36°09'14", long. 96°16'20", SW 1/4 sec.5, T.19 N., R.10 E., at bridge on county road at Wekiwa, 2-3/4 miles west of Sand Springs, Okla.

Date	Discharge (ft ³ /s)
10-22-52	.29

Skeleton Creek near Lovell, Oklahoma, Miscellaneous site.

Lat. 36°04'37", long. 97°36'34", west line sec.34, T.19 N., R.4 W., at bridge on old State Highway 74, 2 miles north of Lovell, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-27-48	.94	7-27-49	3.82

LOW-FLOW MEASUREMENTS--Continued.

Skull Creek near Norfolk, Oklahoma, Miscellaneous site.

Lat. 36°03'08", long. 96°38'24", NE 1/4 sec.13, T.18 N., R.6 E., at bridge on county road, 2-1/4 miles south of Norfolk, Okla.

Date	Discharge (ft ³ /s)
10-23-52	1.14

Snake Creek near Bixby, Oklahoma, 07165550, partial record site.

Lat. 35°49'08", long. 95°53'18", in NW 1/4 SW 1/4 sec.36, T.16 N., R.13 E., Okmulgee County, on right bank 5.5 miles upstream from Duck Creek, 8.8 miles south of Bixby, and at mile 11.0.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
2-17-71	2.2	7-30-71	0	4- 3-72	1.6	8- 9-72	0
5-21-71	.04	9- 2-71	0	6- 7-72	0		

Soldier Creek near Piedmont, Oklahoma, Miscellaneous site.

Lat. 35°38'32", long. 97°40'00", east line NE 1/4 sec.31, T.14 N., R.4 W., at county road bridge 5 miles east of Piedmont.

Date	Discharge (ft ³ /s)
10-29-59	1.50

Spring Creek near Ada, Oklahoma, Miscellaneous site.

Lat. 34°47'00", long. 96°45'00", SW 1/4 sec.26, T.4 N., R.5 E., at county highway bridge, 4 miles west of city limits, Ada, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 7-51	0	12-11-51	0	4-21-52	81.6	9- 2-52	0
10- 2-51	0	1-14-52	0	6- 2-52	42.8	10- 6-53	0
10-31-51	0	2-26-52	2.50	7-22-52	0		

Spring Creek near Eakly, Oklahoma, Miscellaneous site.

Lat. 35°16'09", long. 98°32'05", NE 1/4 sec.24, T.9 N., R.13 W., at bridge on State Highway 41, 2 miles southeast of Eakley, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-23-46	3.48	10-23-46	3.64

Spring Creek near Locust Grove, Oklahoma, Miscellaneous site.

Lat. 36°09'28", long. 95°09'43", SE 1/4 sec.3, T.19 N., R.20 E., at bridge on State Highway 82, 3.5 miles south of Locust Grove, Okla.

Date	Discharge (ft ³ /s)
7-12-60	19.2

LOW-FLOW MEASUREMENTS--Continued

Spring Creek near Sayre, Oklahoma, Miscellaneous site.

Lat. 35°11'04", long. 99°36'34", NE 1/4 sec.14, T.8 N., R.23 W., at site 7-1/2 miles southeast of Sayre, Okla.

Date	Discharge (ft ³ /s)
8-21-52	1.41

Spring Creek near Swan Lake, Oklahoma, Miscellaneous site.

Lat. 35°16'23", long. 98°36'34", SE 1/4 sec.22, T.9 N., R.13 W., at county highway bridge, 2 miles west of Swan Lake, Okla.

Date	Discharge (ft ³ /s)
9-15-52	0

Spring Lake Creek near Cordell, Oklahoma, Miscellaneous site.

Lat. 35°17'10", long. 98°51'25", NE 1/4 sec.1, T.9 N., R.16 W., at bridge on State Highway 41, 8 miles east of Cordell, Okla.

Date	Discharge (ft ³ /s)
10-10-52	.46

Spring No. 1 near Sayre, Oklahoma, Miscellaneous site.

Lat. 35°11'04", long. 99°36'34", SW 1/4 NE 1/4 sec.10, T.8 N., R.23 W., at site 7-1/2 miles southeast of Sayre, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 8-52	1.21	4- 1-53	1.28

Starvation Creek near Prentiss, Oklahoma, 07301452, partial record site.

Lat. 35°19'25", long. 99°45'30", in SW 1/4 SE 1/4 sec.20, T.10 N., R.24 W., Beckham County, at bridge on State Highway 152, 3 miles southeast of Prentiss, and about 2 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-27-64	.30	5-23-67	.41	6-11-69	4.1	8-12-71	.19
3- 8-65	1.05	9- 1-67	1.3	12-16-69	.92	10-14-71	.25
7- 9-65	1.80	12-13-67	.52	2-17-70	1.3	3- 8-72	.53
11- 9-65	3.60	5-28-68	.56	6-11-70	.63	4-18-72	.41
2- 7-66	2.10	6-26-68	.65	8-12-70	.18	11-14-72	.44
5- 9-66	1.9	9-16-68	.60	11-24-70	.12	2- 7-73	.60
11-22-66	1.6	12-11-68	3.9	1-27-71	1.3	5-30-73	1.10
2-16-67	1.1	4- 4-69	4.3	5-19-71	.66		

Stillwater Creek near Ripley, Oklahoma, Miscellaneous site.

Lat. 36°03'41", long. 96°56'04", SE 1/4 sec.11, T.18 N., R.3 E., at bridge on county road, 1/8 mile west of Mehan and 3 miles northwest of Ripley, Okla.

Date	Discharge (ft ³ /s)
10-23-52	3.31

LOW-FLOW MEASUREMENTS--Continued.

Stinking Creek near Carnegie, Oklahoma, 07325400, partial record site.

Lat. 35°05'00", long. 98°35'00", center sec.11, T.7 N., R.14 W., at bridge on State Highway 9, 2-1/4 miles southwest of Carnegie, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 5-51	0	12-11-52	0	3-16-54	.04	6-15-55	8.99
11-29-51	.74	1-20-53	0	5- 5-54	3.88	7-20-55	.64
1-15-52	.35	3- 2-53	0	6- 3-54	3.79	8-22-55	0
3- 5-52	1.06	3-31-53	0	6-29-54	0	2- 4-58	9.33
4-22-52	8.70	5-18-53	1.75	8- 2-54	0	2-24-59	.90
5-16-52	0	6-22-53	0	9- 7-54	0	8-21-59	.97
6- 4-52	2.93	7-28-53	1.33	10-19-54	0	9-15-59	0
7- 9-52	0	8-25-53	18.3	11-15-54	0	5- 9-60	12.60
8-20-52	0	10- 1-53	0	12-16-54	0	11-30-60	4.14
10- 7-52	0	11- 3-53	.55	1-17-55	0	3- 7-61	6.94
11- 4-52	0	1-19-54	.04	2-14-55	0	3-15-61	5.82
12- 1-52	0	2-15-54	.04	3-16-55	0	6- 2-61	.05

Stinking Creek near Humphreys, Oklahoma, Miscellaneous site.

Lat. 34°33'14", long. 99°12'37", NW 1/4 sec.28, T.1 N., R.19 W., at bridge on unimproved county road, 2-1/2 miles southeast of Humphreys, Okla.

Date	Discharge (ft ³ /s)
4-22-53	.72

Sugar Creek near Anadarko, Oklahoma, Miscellaneous site.

Lat. 35°04'37", long. 98°09'32", SW 1/4 sec.5, T.7 N., R.9 W., at county highway bridge, 4 miles northeast of Anadarko, Okla.

Date	Discharge (ft ³ /s)
7-10-52	.08

Sugar Creek near Gracemont, Oklahoma, 07327000, partial record site.

Lat. 35°11'18", long. 98°15'59", SW 1/4 sec.15, T.8 N., R.10 W., 2 miles south of Gracemont, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12-20-49	7.88	12-12-52	0	12- 2-53	7.34	11-16-54	0
9- 5-51	0	1-20-53	6.19	1-19-54	9.68	12-16-54	0
11-29-51	2.89	3- 3-53	19.0	2-16-54	6.43	1-18-55	.70
1-16-52	3.90	3-30-53	16.8	3-16-54	7.40	2-15-55	.76
3- 5-52	2.53	5-19-53	5.75	5- 6-54	7.60	3-17-55	0
4-30-52	15.9	6-22-53	0	6- 4-54	5.89	4-20-55	1.29
6- 4-52	8.45	7-28-53	3.50	6-30-54	0	6-16-55	6.62
7-23-52	0	8-25-53	4.84	8- 3-54	0	8-20-55	0
10- 7-52	0	10- 2-53	0	9- 8-54	0	8-22-55	0
11- 3-52	0	11- 3-53	5.68	10-19-54	0		

Suttle Creek near Davidson, Oklahoma, 07308310, partial record site.

Lat. 34°15'00", long. 99°05'00", south line of SW 1/4 SE 1/4 sec.31, T.3 S., R.12 W., at bridge on U.S. Highway 70, 3-1/4 miles east of Davidson and about 4 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-27-64	0	3- 1-65	.11	11-30-65	.11	3-23-66	.01
12-15-64	.37	7- 8-65	0	1-11-66	.09	6-28-66	0

LOW-FLOW MEASUREMENTS--Continued.

Sweetwater Creek near Texola, Oklahoma, Miscellaneous site.

Lat. 35°18'30", long. 99°58'00", NW 1/4 sec.28, T.10 N., R.26 W., at county highway bridge, 7 miles north of Texola, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-24-51	1.55	6-12-52	1.63	2- 6-53	7.11	12-21-53	3.36
10-28-51	.05	7-28-52	0	3-11-53	5.17	1-14-54	7.98
12-11-51	11.9	8-20-52	0	9-29-53	0	3-16-54	3.66
2- 6-52	15.5	1- 6-53	2.06	11-16-53	3.44	10-19-54	0
3-24-52	10.2					12-23-54	0

Sycamore Creek near Wyandotte, Oklahoma, Miscellaneous site.

Lat. 36°52'50", long. 94°36'43", SE 1/4 SW 1/4 sec.35, T.27 N., R.25 E., 200 ft upstream from bridge on State Highway 10, and 2-1/2 miles southeast of Wyandotte, Okla.

Date	Discharge (ft ³ /s)
3- 9-54	5.18

Tenmile Creek near Miller, Oklahoma, 07336000, partial record site.

Lat. 34°17'55", long. 95°44'40", in NW 1/4 sec.16, T.3 S., R.15 E., Pushmataha County, at county road bridge, 1.2 miles south of Miller, and at mile 11.6.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
3-11-71	28.0	8-31-71	0	6-28-72	1.8	12- 6-72	10.
6-22-71	4.3	1-11-72	24.0	8-23-72	0	5-22-73	4.5
7-28-71	2.9						

Tepee Creek near Eva, Oklahoma, 07232450, partial record site.

Lat. 36°42'30", long. 101°43'30", on west line sec.29, T.3 N., R.13 E., Texas County, at low water crossing on county road, 8 miles northwest of Goodwell, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
11-23-66	.22	7-23-68	.21	5-19-70	.21	3- 1-72	.21
1-16-67	.32	12-24-68	.38	7-30-70	.02	5- 9-72	.07
4-24-67	.14	3-27-69	.20	11-10-70	.09	8- 7-72	0
7-24-67	.20	5-27-69	.20	3- 1-71	.20	12-18-72	.15
10-16-67	.14	8-12-69	0	6-15-71	.20	3- 7-73	.11
2-26-68	.20	12- 3-69	.18	9-27-71	.01	5-30-73	.14
5-20-68	.20	3- 9-70	.25	11- 8-71	.51	7- 8-49	.38

Threemile Creek near Mill Creek, Oklahoma, Miscellaneous site.

Lat. 34°29'15", long. 96°50'00", NE 1/4 sec.12, T.2 S., R.4 E., at county highway bridge, 100 ft below St. Louis & San Francisco Railway dam and 1/4 mile west of Mill Creek, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-10-51	.12	1-15-52	.26	4-23-52	1.61	7-22-52	.16
11-27-51	.52	3- 5-52	.48	6-11-52	.30	9- 3-52	.01

Timber Creek near Sayre, Oklahoma, Miscellaneous site.

Lat. 35°17'32", long. 99°34'29", on north line, sec.1, T.9 N., R.23 W., at bridge on State Highway 152, 3 miles east of Sayre, Okla.

Date	Discharge (ft ³ /s)
2-14-57	.18

LOW-FLOW MEASUREMENTS--Continued.

Travertine Creek at Sulphur, Oklahoma, Miscellaneous site.

Lat. 34°30'14", long. 96°58'52", in NE 1/4 NE 1/4 sec.3, T.1 S., R.3 E., at mouth of creek in Platt National Park, 1/2 mile south of Sulphur, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-18-58	12.8	10-30-58	5.75	2-19-59	2.78	7-15-59	2.16

Turkey Creek near Camargo, Oklahoma, 07228220, partial record site.

Lat. 36°02'30", long. 99°24'30", in NE 1/4 NW 1/4 sec.14, T.18 N., R.21 W., Ellis County, at pasture 0.1 mile south of county road, 7.5 miles northwest of Camargo, and about 3.5 miles above mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-26-64	0	5-18-67	1.3	6-20-69	3.0	12-17-71	1.2
3-26-65	2.12	9- 1-67	0	12-16-69	2.0	3-17-72	1.5
7- 9-65	2.30	1-15-68	1.3	2-19-70	1.7	6- 2-72	.68
11- 9-65	2.5	4- 1-68	1.4	6-11-70	0	8-18-72	0
2-17-66	5.4	7- 9-68	.06	11- 6-70	0	12-20-72	3.2
5-12-66	1.5	9-16-68	0	3- 4-71	2.1	3- 2-73	2.2
11-23-66	.88	12-17-68	1.5	5-27-71	0	6-15-73	.21
2-17-67	1.8	4- 4-69	2.8	9- 8-71	0		

Turkey Creek near Clinton, Oklahoma, Miscellaneous site.

Lat. 35°25'00", long. 99°15'00", SW 1/4 sec.18, T.11 N., R.19 W., 1-1/2 miles east of Canute and 17 miles southwest of Clinton, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 1-54	.43	1-24-55	.76	4-19-55	.43	9-10-56	0
1-17-55	.72	3- 1-55	.59	3-20-56	.49		

Turkey Creek near Dover, Oklahoma, Miscellaneous site.

Lat. 36°00'00", long. 97°45'00", NW 1/4 sec.2, T.17 N., R.7 W., at county highway bridge at Dover, Oklahoma.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-27-49	7.64	1- 8-52	7.99	7-21-52	.04	2- 2-53	.60
9-29-49	3.24	2- 5-52	6.18	9- 3-52	.06	3- 2-53	4.88
10-11-50	14.8	3- 3-52	9.40	10-14-52	.15	4-20-53	1.96
9-19-51	8.19	4-14-52	7.48	11- 4-52	.12	5-14-53	1.59
10- 2-51	4.94	4-24-52	157.0	12- 1-52	.25	8- 3-53	1.99
10-29-51	11.2	6- 4-52	4.94	1- 5-53	.42	8-31-53	.32
12-10-51	10.5					10-14-53	0

Turkey Creek near Drummond, Oklahoma, 07159000, partial record site.

Lat. 36°19'05", long. 98°00'03", in NE 1/4 NE 1/4 sec.12, T.21 N., R.8 W., Garfield County, at county road bridge, 2.2 miles northeast of Drummond, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 2-70	.47	9- 8-71	.06	4-19-72	3.6	2-28-73	4.5
3-23-71	1.5	11-11-71	1.8	8- 1-72	.45	5-23-73	43.
5- 7-71	1.9	3- 9-72	1.4	10-26-72	.02		

LOW-FLOW MEASUREMENTS--Continued.

Turkey Creek near Hennessey, Oklahoma, Miscellaneous site.

Lat. 36°07'45", long. 97°54'40", north line sec.23, T.19 N., R.7 W., at bridge on State Highway 51, 1-1/2 miles west of Hennessey, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 6-48	10.9	11-13-50	8.55

Turkey Creek at Olustee, Oklahoma, 07301100, partial record site.

Lat. 34°35'58", long. 99°26'12", in NW 1/4 sec.5, T.1 N., R.21 W., Jackson County, at county road bridge, 3.2 miles north of Olustee, and at mile 6.4.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-24-51	6.81	11-16-53	1.99	2-15-56	3.69	6-12-57	8.26
1-15-52	5.19	12-18-53	2.10	3-15-56	3.83	7-18-57	9.83
3-17-52	6.34	3-25-54	.94	4-18-56	1.90	8- 6-70	0
6-10-52	5.64	8-20-54	0	6-18-56	2.21	10- 7-70	.15
7-24-52	3.72	10-21-54	0	7-19-56	12.8	1-20-71	.57
8-26-52	1.60	12-14-54	0	9- 6-56	.88	8- 4-71	0
9-29-52	1.06	1-14-55	0	10- 1-56	.86	12-22-71	.42
11-13-52	2.41	2-16-55	.94	12- 4-56	2.97	2-17-72	1.4
12-18-52	2.60	4-19-55	0	1- 4-57	4.94	4-12-72	.72
1-19-53	4.36	7-14-55	.10	2-20-57	3.81	7-19-72	.03
5-15-53	2.29	9- 6-55	0	3-19-57	2.93	11- 6-72	1.30
9-29-53	0	1- 5-56	4.38	4-16-57	2.69	2- 8-73	.50

Turkey Creek near Roll, Oklahoma, Miscellaneous site.

Lat. 35°48'41", long. 99°53'50", NW 1/4 sec.6, T.15 N., R.25 W., at bridge on State Highway 33, 11 miles west of Roll, Okla.

Date	Discharge (ft ³ /s)
9-13-55	0

Turkey Creek near Sayre, Oklahoma (Big Turkey Creek), 07301460, partial record site.

Lat. 35°15'35", long. 99°43'20", in NE 1/4 NE 1/4 sec.15, T.9 N., R.24 W., Beckham County, at east-bound bridge on U.S. Highway 66, 5.5 miles southwest of Sayre, and about 1 mile upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
12- 9-53	1.13	7-12-55	.26	12-13-67	.88	8-12-70	.46
2- 3-54	.62	8-30-55	.99	3-28-68	1.0	11-25-70	.47
3- 9-54	1.23	11-14-56	.23	6-26-68	1.4	1-27-71	2.9
4-20-54	1.15	11- 9-65	2.3	9-16-68	.82	5-20-71	1.1
7- 2-54	.80	2- 7-66	2.0	12-11-68	2.1	8-12-71	.16
8-30-54	.23	5- 9-66	2.1	4- 4-69	1.7	10-14-71	.28
11-16-54	.71	11-22-66	1.5	6-11-69	2.5	3- 7-72	.87
12-16-54	.71	2-16-67	1.2	12-16-69	1.4	4-18-72	.68
2-28-55	.90	5-23-67	.88	2-17-70	2.1	11-14-72	.71
3-30-55	.76	9- 1-67	.50	6-11-70	.94	2- 7-73	1.10
4-28-55	.63					5-30-73	1.60

Two Hatchett Creek near Fort Cobb, Oklahoma, Miscellaneous site.

Lat. 35°02'46", long. 98°25'03", NE 1/4 sec.24, T.7 N., R.12 W., at bridge on State Highway 9, 2-1/2 miles southeast of Fort Cobb, Okla.

Date	Discharge (ft ³ /s)
1- 9-52	.08

LOW-FLOW MEASUREMENTS--Continued.

Vendome Spring near Sulphur, Oklahoma, Miscellaneous site.

Lat. 34°30'14", long. 96°58'52", SE 1/4 NE 1/4 NE 1/4 sec.3, T.1 S., R.3 E., in Platt National Park, 1/4 mile south of Sulphur, Okla.

Date	Discharge (ft ³ /s)
11-15-55	1.70

Walnut Creek near Purcell, Oklahoma 07229300, partial record site.

Lat. 34°59'56", long. 97°22'00", NW 1/4 sec.13, T.6 N., R.2 W., at bridge on U.S. Highway 77 at Purcell, Okla. Continuous record 65-72.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9- 5-51	5.21	5-28-54	13.5	9- 2-58	3.01	12-20-61	70.4
10- 9-51	6.28	7-14-54	0	10-31-58	16.5	2-21-62	16.4
11-26-51	20.4	8-24-54	0	1- 9-59	14.2	5-14-62	4.26
1-14-52	6.38	9-15-54	0	6- 9-59	18.2	8-21-62	2.29
3- 3-52	90.8	11- 2-54	0	9-14-59	4.68	1- 3-63	21.8
4-21-52	84.7	12- 8-54	0	10-26-59	9.21	5-20-63	17.3
6-13-52	29.2	2- 1-55	4.74	12- 7-59	19.5	7-22-63	.20
7-24-52	2.10	2-28-55	3.74	9-13-60	7.85	10-11-63	.07
9-13-52	0	6- 4-55	3.25	12- 9-60	24.8	6-12-64	.66
9- 4-52	.60	7-28-55	0	2- 2-61	24.9	7-14-64	0
11-18-53	7.95	9-20-55	0	3- 9-61	16.5	9-15-64	.14
1-29-54	12.1	1-16-58	48.9	6- 2-61	12.4	10-20-64	.18
2-25-54	6.79	3-20-58	18.2	6-30-61	13.1	3- 8-65	8.76
4-19-54	5.13	6-12-58	7.39	7-20-61	14.0	7-13-65	.23

West Bitter Creek near Chickasha, Oklahoma, Miscellaneous site.

Lat. 35°02'30", long. 97°51'00", NW 1/4 NW 1/4 sec.32, T.7 N., R.6 W., at bridge on U.S. Highway 62, 4 miles east of Chickasha, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
6- 4-54	.71	10-19-54	.14	1-18-55	17.5	4-20-55	.45
6-30-54	.04	11-16-54	.32	2-15-55	.72	6-16-55	1.79
8- 3-54	0	12-16-54	.64	3-17-55	.57	8- 1-55	.04
9- 8-54	0					8-22-55	0

West Bitter Creek near Tabler, Oklahoma, Miscellaneous site.

Lat. 35°03'30", long. 97°51'00", SE 1/4 sec.20, T.7 N., R.6 W., at county highway bridge, 2 miles northwest of Tabler, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
7-10-52	.13	11- 3-52	.29	3- 3-53	231.0	6- 7-53	0
8-20-52	0	12-12-52	1.46	3-30-53	3.90	7-28-53	.22
10- 7-52	0	1-20-53	1.91	5-19-53	2.32	8-25-53	0

West Bitter Creek near Tabler, Oklahoma, Miscellaneous site.

Lat. 35°05'46", long. 97°49'54", SW 1/4 sec.9, T.7 N., R.6 W., 3 miles north of Tabler, Okla.

Date	Discharge (ft ³ /s)
5- 3-50	.80

LOW-FLOW MEASUREMENTS--Continued.

West Cache Creek near Cookietown, Oklahoma, 073112400, partial record site.

Lat. 34°16'30", long. 98°23'15", in NE 1/4 sec.30, T.3 S., R.11 W., Cotton County, at bridge on State Highway 5A, 3.5 miles east of Cookietown, and about 11 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
1-14-52	.27	5-18-65	3.30	10- 4-67	0	8- 6-70	0
6-11-52	3.67	7- 8-65	0	10-26-67	0	11-18-70	0
8-21-52	0	10-11-65	0	12- 6-67	0	1-20-71	0
4-14-53	1.47	11-29-65	0	2- 8-68	17.0	4- 7-71	0
11-17-53	3.80	1-11-66	0	4-10-68	25.0	7-21-71	0
1- 7-54	.81	3-23-66	0	12-12-68	2.0	10-19-71	1.1
10-15-54	0	6- 1-66	0	3-19-69	47.0	1-12-72	7.7
11-24-54	0	9-21-66	23.0	6-12-69	4.4	4-14-72	0
7-22-55	2.20	2-28-67	0	11- 6-69	.94	6-24-72	0
10-27-64	9.01	7-13-67	0	3-25-70	30.0	10-11-72	0
12-15-64	31.0	8-23-67	0	5-18-70	20.0	2-21-73	31
3- 1-65	10.1					5-15-73	26

Wewoka Creek near Wetumka, Oklahoma, Miscellaneous site.

Lat. 35°11'45", long. 96°15'00", W line sec.3, T.8 N., R.10 E., at bridge on U.S. Highway 75, 2-1/2 miles south of Wetumka, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-27-51	1.84	12-29-53	27.8	1-17-55	16.8	2-13-56	14.8
12-11-51	7.52	2- 1-54	28.2	3- 2-55	94.5	3-15-56	3.13
1-15-52	12.2	3- 9-54	16.5	4-11-55	13.7	4-24-56	4.68
2-27-52	87.1	4-20-54	12.7	5-31-55	58.7	7- 3-56	5.08
6- 3-52	282.0	6- 1-54	52.9	7-11-55	3.74	8-27-56	0
7-22-52	1.48	7-12-54	.2	8-16-55	1.41	9-29-56	0
9- 2-52	0	8-10-54	1.53	9-21-55	.68	11-14-56	.88
10- 7-53	16.6	10- 4-54	0	10-26-55	1.66	12-31-56	2.89
11-18-53	23.7	12-16-54	5.68	1- 6-56	3.84	10- 5-57	3.29

Wewoka Creek near Wewoka, Oklahoma, Miscellaneous site.

Lat. 35°12'32", Long. 96°31'07", SW 1/4 sec.11, T.8 N., R.7 E., at bridge on U.S. Highway 270, 3 miles northwest of Wewoka, Okla.

Date	Discharge (ft ³ /s)
9-19-51	2.19

White Break Creek near Binger, Oklahoma, Miscellaneous site.

Lat. 35°20'18", long. 98°15'42", NW 1/4 sec.24, T.10 N., R.10 W., at head of Salyer Lake, 7 miles east of Binger, Okla.

Date	Discharge (ft ³ /s)
9-19-56	.02

Wildcat Creek near Herring, Oklahoma, Miscellaneous site.

Lat. 35°36'33", long. 99°32'48", SW 1/4 sec.23, T.13 N., R.22 W., below dam, 1/4 mile upstream from mouth:

Date	Discharge (ft ³ /s)
2-12-57	0

LOW-FLOW MEASUREMENTS--Continued.

Wildhorse Creek near Hoover, Oklahoma, 07329700, partial record site.

Lat. 34°32'29", long. 97°14'49", W 1/2 sec.19, T.1 N., R.1 E., at bridge on State Highway 19A, 1-1/2 miles north of Hoover, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-29-44	2.90	4-19-54	19.5	10- 2-57	11.6	10-11-63	.06
9-10-51	5.11	7-13-54	4.83	3-20-58	46.6	3-30-65	23.5
11-28-51	3.40	8-24-54	0	6-12-58	15.0	7-13-65	1.43
1-16-52	10.6	9-15-54	0	9- 2-58	5.17	11-29-65	.40
3- 5-52	63.3	11- 1-54	.56	10-30-58	4.40	3-22-66	7.4
6-12-52	37.2	12- 7-54	.56	1- 9-59	5.88	6-15-66	1.0
7-24-52	5.83	1-17-55	32.2	9-16-59	0	9- 7-66	4.3
9- 2-52	0	2-28-55	25.7	10-28-59	7.84	11-22-66	1.5
10- 7-52	0	6-14-55	24.8	12- 9-59	5.91	2- 3-67	.97
11-17-52	0	7-27-55	1.74	8-25-60	7.78	6- 8-67	37.0
12-23-52	1.20	9-20-55	.71	12- 2-60	0	8- 8-67	1.4
1-12-53	15.0	10-31-55	6.74	1-12-61	1.38	11-16-67	2.3
2- 4-53	0	1- 4-56	6.91	3- 1-61	.30	2-19-68	2.1
3-10-53	0	3-30-56	8.56	4- 6-61	4.80	4-25-68	72.0
4-10-53	11.6	5-23-56	2.90	12- 1-61	0	9-18-68	3.9
6- 2-53	7.39	7-19-56	.91	4-18-62	9.92	12-19-68	44.0
6-23-53	4.63	8-22-56	0	8-22-62	2.72	4- 2-69	114.0
9-24-53	0	10- 2-56	0	1- 3-63	35.6	6-25-69	34.0
11-17-53	32.6	11-28-56	.15	4-18-63	77.0	9-18-69	1.8
2-24-54	19.4	7-31-57	4.96	7-23-63	5.32		

Wild Horse (Sand Creek) near Pond Creek, Oklahoma, 07150590, partial record site.

Lat. 36°37'30", long. 97°48'00", on west line SW 1/4 SW 1/4 sec.24, T.25 N., R.6 W., Grant County, at county road bridge on FAS road, 3 miles south of Pond Creek and about 5 miles upstream from mouth.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 7-64	0	1-31-67	0	4-16-69	.44	3-23-71	0
1-18-65	8.87	8-12-67	0	7-10-69	4.2	5- 5-71	0
7-16-65	3.79	1-29-68	0	10-23-69	.10	8-17-71	.20
12- 6-65	0	4-23-68	0	1-13-70	1.3	10-19-71	0
3-10-66	.47	7-18-68	0	4- 8-70	5.1	3- 9-72	.42
6-30-66	0	11- 5-68	0	7- 8-70	0	4-19-72	.10
11-22-66	0	2-14-69	0	10-20-70	0	8- 2-72	0

Willow Creek near Swan Lake, Oklahoma, Miscellaneous site.

Lat. 35°13'00", long. 98°29'00", NE 1/4 sec.32, T.9 N., R.13 W., at county highway bridge, 2 miles southeast of Swan Lake, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
9-15-52	0	4-30-53	2.13	6-22-53	0	9- 8-53	0
11- 5-52	1.37					2-15-55	2.81

Wolf Creek near Fort Supply, Oklahoma, Miscellaneous site.

Lat. 36°30'00", long. 99°34'12", SE 1/4 sec.5, T.23 N., R.22 W., at head of Fort Supply Reservoir, 5-1/2 miles south of Fort Supply, Okla.

Date	Discharge (ft ³ /s)
2-16-55	.44

LOW-FLOW MEASUREMENTS--Continued.

Wolf Creek near Tangier, Oklahoma, Miscellaneous site.

Lat. 36°26'00", long. 99°35'30", SW 1/4 sec.29, T.23 N., R.22 W., at county bridge 3 miles northwest of Tangier, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10- 4-41	10.4	1-19-42	112.	4- 6-42	47.7	7- 7-42	43.0
10- 8-41	60.7	1-26-42	82.1	4-13-42	71.2	7-14-42	14.7
10-15-41	89.8	2- 2-42	72.9	5- 6-42	74.6	7-21-42	10.0
11-19-41	109.	2- 9-42	64.3	5-19-42	56.7	7-29-42	2.46
11-28-41	114.	2-18-42	66.2	5-25-42	99.6	8- 6-42	4.09
12-10-41	830.	3- 2-42	86.6	6- 2-42	28.0	8-13-42	479.
12-15-41	130.	3- 9-42	72.0	6-11-42	303.0	8-19-42	67.9
12-22-41	93.3	3-16-42	69.3	6-18-42	85.0	8-31-42	9.02
12-30-41	88.4	3-23-42	53.0	6-25-42	97.6	9-15-42	7.32
1- 6-42	42.4	3-30-42	63.2	6-30-42	78.1	9-28-42	6.74
1-13-42	0						

Zane Cave Spring near Seneca, Oklahoma, Miscellaneous site.

Lat. 36°46'37", long. 99° 39'32", NE 1/4 sec.31, T.27 N., R.25 E., at mouth of cave at Ozark Ranch, 4 miles southwest of West Seneca, Okla.

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
10-20-55	3.80	3- 6-56	1.47	6- 6-56	8.42

APPENDIX II

ALPHABETICAL AND STATION NUMBER INDICES

STATION ALPHABETIC INDEX

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Arkansas River near Muskogee, Okla.	07194500	Deer Creek at Hydro, Okla.	07228400
Arkansas River near Sallisaw, Okla.	07246500	Deer Creek near Tonkawa, Okla.	07150900
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Baron Fork at Eldon, Okla.	07197000	Dirty Creek near Warner, Okla.	07198500
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Beaver River near Guymon, Okla.	07232500	Eagle Chief Creek near Cleo, Okla.	20
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Buck Creek near Moyers, Okla.	07335900	Hominy Creek near Skiatook, Okla.	07177000
Buffalo Creek near Lovedale, Okla.	07157960	Horse Creek at Afton, Okla.	07189700
Byrd's Mill Spring near Fittstown, Okla.	07334200	House Creek near Terleton, Okla.	24
Caddo Creek near Ardmore, Okla.	07330500	Hoyle Creek near Amco, Okla.	25
Canadian River at Bridgeport, Okla.	07228500	Illinois River near Gore, Okla.	07198000
Canadian River at Calvin, Okla.	07231500	Illinois River near Tahlequah, Okla.	07196500
Canadian River near Newcastle, Okla.	07229000	Illinois River near Watts, Okla.	07195500
Canadian River near Noble, Okla.	07229100	Indian Creek near Woodward, Okla.	26
Canadian River near Whitefield, Okla.	07245000	Island Bayou near Albany, Okla.	07332250
Caney Creek near Copan, Okla.	07174000	Kiamichi River near Belzoni, Okla.	07336500
Caney River near Bartlesville, Okla.	07174500	Kiamichi River near Big Cadar, Okla.	07335700
Caney River near Hulah, Okla.	07173000	Kingfisher Creek near Kingfisher, Okla.	07159200
Caney River near Ochelata, Okla.	07174700	Kiowa Creek near Slapout, Okla.	07234200
Caney River near Ramona, Okla.	07175500	Lake Creek near Eakly, Okla.	07325850
Captain Creek near Wellston, Okla.	8	Leader Creek at Tupelo, Okla.	07334420
Cedar Creek near Carnegie, Okla.	9	Lee Creek near Short, Okla.	07249800
Chickasaw Creek near Stringtown, Okla.	07333500	Little Beaver Creek near Duncan, Okla.	07313000
Chikaskia River near Blackwell, Okla.	07152000	Little Caney River below Cotton Creek near	
Cimarron River above Ute Creek near		Copan, Okla.	07174200
Boise City, Okla.	07155000	Little Deep Fork near Edna, Okla.	30
Cimarron River at Mannford, Okla.	07164000	Little Lee Creek near Short, Okla.	07249900
Cimarron River at Oilton, Okla.	07163500	Little Medicine Bluff Creek near Lawton, Okla.	0731000
Cimarron River at Perkins, Okla.	07161000	Little River near Idabel, Okla.	07338000
Cimarron River near Buffalo, Okla.	07157950	Little River below Lake Thunderbird	
Cimarron River near Guthrie, Okla.	07160000	near Norman, Okla.	07230000
Cimarron River near Kenton, Okla.	07154500	Little River near Tecumseh, Okla.	07230500
Cimarron River near Mocane, Okla.	07157000	Little River b/w Lukfata Creek nr Idable, Okla.	07338500
Cimarron River near Waynoka, Okla.	07158000	Little River near Sasakwa, Okla.	07231000
Clear Boggy Creek near Caney, Okla.	07335000	Little River near Wright City, Okla.	07337500
Clear Boggy Creek near Frisco, Okla.	12	Little Washita River at Ninnekah, Okla.	07327500
Clear Boggy Creek near Tupelo, Okla.	07334400	Little Washita River near Ninnekah, Okla.	07327490
Clear Creek near Elmwood, Okla.	07234100	Lost Creek at Seneca, Mo.	07188500
Clear Creek near May, Okla.	07234300	Main Creek near Waynoka, Okla.	07158010
Cobb Creek near Fort Cobb, Okla.	07326000	McGee Creek near Stringtown, Okla.	07333800
Cold Springs Creek near Castaneda, Okla.	07155200	Medicine Bluff Creek near Lawton, Okla.	07310500
Coldwater Creek near Hardesty, Okla.	07233000	Mill Creek near Mill Creek, Okla.	07331200
Commission Creek near Grand, Okla.	07228150	Mountain Fork near Eagletown, Okla.	07339000
Cottonwood Creek near Guthrie, Okla.	07159800	Mud Creek near Courtney, Okla.	07315700
Cottonwood Creek near Navina, Okla.	14	Muddy Boggy Creek near Farris, Okla.	07334000
Cottonwood Creek near Seward, Okla.	07159750	Muddy Boggy Creek near Parker, Okla.	07332700
Council Creek near Stillwater, Okla.	07163000	Neosho River below Fort Gibson Lake	
Cow Creek near Waurika, Okla.	07313600	near Fort Gibson, Okla.	07193500
Deep Fork near Beggs, Okla.	07243500	Neosho River near Chouteau, Okla.	07191500
Deep Fork near Dewar, Okla.	07244000	Neosho River near Commerce, Okla.	07185000
Deep Fork near Welty, Okla.	15	Neosho River near Grove, Okla.	07189500

STATION ALPHABETIC INDEX--Continued

Neosho River near Langley, Okla.	07190500	Turkey Creek near Sayre, Okla.	07301460
Neosho River near Wagoner, Okla.	07192500	Verdigris River near Claremore, Okla.	07176000
North Boggy Creek near Atoka, Okla.	36	Verdigris River near Inola, Okla.	07178600
North Canadian River near Fort Supply, Okla.	07234500	Verdigris River near Lenapah, Okla.	07171000
North Canadian River at Canton, Okla.	07239000	Verdigris River near Oologah, Okla.	07171400
North Canadian River at Woodward, Okla.	07237500	Verdigris River near Sageeyah, Okla.	07171500
North Canadian River near El Reno, Okla.	07239500	Walnut Bayou near Burneyville, Okla.	07315900
North Canadian River near Harrah, Okla.	07241500	Walnut Creek near Purcell, Okla.	07229300
North Canadian River near Oklahoma City, Okla.	07241500	Washita River at Anadarko, Okla.	07326500
North Canadian River near Seiling, Okla.	07238000	Washita River at Carnegie, Okla.	07325500
North Canadian River near Wetumka, Okla.	07242000	Washita River near Cheyenne, Okla.	07316500
North Fork Red River below Altus Dam		Washita River near Clinton, Okla.	07325000
near Lugert, Okla.	07303000	Washita River near Durwood, Okla.	07331000
North Fork Red River near Carter, Okla.	07301500	Washita River near Foss, Okla.	07324400
North Fork Red River near Granite, Okla.	07302000	Washita River near Hammon, Okla.	07324200
North Fork Red River near Headrick, Okla.	07305000	Washita River near Pauls Valley, Okla.	07328500
North Fork Red River near Texola, Okla.	37	Washita River near Tabler, Okla.	07328000
Otter Creek at Mountain Park, Okla.	07306500	West Bitter Creek near Tabler, Okla.	55
Palo Duro Creek near Range, Okla.	07233700	West Cache Creek near Cookietown, Okla.	073112400
Pennington Creek near Reagan, Okla.	07331300	West Otter Creek at Snyder Lake	
Persimmon Creek (North) near Sharon, Okla.	38	near Mountain Park, Okla.	07305500
Persimmon Creek (South) near Sharon, Okla.	39	Wewoka Creek near Wetumka, Okla.	56
Persimmon Creek near Mutual, Okla.	07237700	Wildhorse Creek near Hoover, Okla.	07329700
Polecat Creek below Heyburn Lake		Wildhorse (Sand) Creek near Pond Creek, Okla.	07150590
near Heyburn, Okla.	07165500	Winter Creek near Alex, Okla.	07328070
Pond Creek near Lamont, Okla.	40	Wolf Creek near Fargo, Okla.	07236000
Pony Creek near Optima, Okla.	07232620	Wolf Creek near Fort Supply, Okla.	07237000
Poteau River at Poteau, Okla.	07249000	Wolf Creek near Shattuck, Okla.	07235500
Poteau River near Wister, Okla.	07248500		
Preacher Creek near Dover, Okla.	07158500		
Pryor Creek near Pryor, Okla.	07192000		
Quapaw Creek near Meeker, Okla.	42		
Rainy Mountain Creek near Mountain View, Okla.	07325300		
Red River at Arthur City, Tex.	07335500		
Red River near Colbert, Okla.	07332000		
Red River at Denison Dam near Denison, Tex.	07331600		
Red River near Terral, Okla.	07315500		
Red Rock Creek near Red Rock, Okla.	43		
Rock Creek at Dougherty, Okla.	07329900		
Roundup Creek near Woodward, Okla.	45		
Rush Creek at Purdy, Okla.	07329500		
Salina Creek near Salina, Okla.	47		
Sallisaw Creek near Sallisaw, Okla.	07245500		
Salt Creek near Dewright, Okla.	07230800		
Salt Creek near Okeene, Okla.	07158400		
Salt Creek near Pearson, Okla.	49		
Salt Creek near Shidler, Okla.	07152400		
Salt Fork Arkansas River at Tonkawa, Okla.	07151000		
Salt Fork Arkansas River near Alva, Okla.	07148400		
Salt Fork Arkansas River near Cherokee, Okla.	07149500		
Salt Fork Arkansas River near Jet, Okla.	07150500		
Salt Fork Arkansas River hr Winchester, Okla.	07148350		
Salt Fork Arkansas River at Mangum, Okla.	07300500		
Sand Creek at Okeesa, Okla.	07174600		
Sandstone Creek near Berlin, Okla.	07319500		
Sandstone Creek near Cheyenne, Okla.	07323000		
Sandy Creek near Bryan, Okla.	07149700		
Skeleton Creek near Lovell, Okla.	07160500		
Snake Creek near Bixby, Okla.	07165550		
Spavinaw Creek near Sycamore, Okla.	07191220		
Spring Creek near Ada, Okla.	51		
Spring River near Quapaw, Okla.	07188000		
Starvation Creek near Prentiss, Okla.	07301452		
Stinking Creek near Carnegie, Okla.	07325400		
Sugar Creek near Gracemont, Okla.	07327000		
Suttle Creek near Davidson, Okla.	07308310		
Sweetwater Creek near Texola, Okla.	52		
Tennile Creek near Miller, Okla.	07336000		
Tepee Creek near Eva, Okla.	07232450		
Turkey Creek near Dover, Okla.	54		
Turkey Creek near Drummond, Okla.	07159000		
Turkey Creek at Olustee, Okla.	07301100		

NUMERICAL STATION INDEX

07148350	Salt Fork Arkansas near Winchester, Okla.	07177500	Bird Creek near Sperry, Okla.
07148400	Salt Fork Arkansas near Alva, Okla.	07178600	Verdigris River near Inola, Okla.
07149500	Salt Fork Arkansas near Cherokee, Okla.	07185000	Neosho River near Commerce, Okla. (unregulated)
07149700	Sandy Creek near Bryon, Okla.	07185000	Neosho River near Commerce, Okla. (regulated)
07150500	Salt Fork Arkansas near Jet, Okla.	07188000	Spring River near Quapaw, Okla.
07150590	Wildhorse (Sand) Creek near Pond Creek, Okla.	07188500	Lost Creek at Seneca, Mo.
07150900	Deer Creek near Tonkawa, Okla.	07189500	Neosho River near Grove, Okla.
07151000	Salt Fork Arkansas at Tonkawa, Okla. (unregulated)	07189700	Horse Creek at Afton, Okla.
07151000	Salt Fork Arkansas at Tonkawa, Okla. (regulated)	07190500	Neosho River near Langley, Okla.
07152000	Chikaskia River near Blackwell, Okla.	07190600	Big Cabin Creek near Pyramid Corners, Okla.
07152250	Bois D'Arc Creek near Ponca City, Okla.	07191000	Big Cabin Creek near Big Cabin, Okla.
07152400	Salt Creek near Shidler, Okla.	07191220	Spavinaw Creek near Sycamore, Okla.
07152500	Arkansas River at Ralston, Okla. (unregulated)	07191500	Neosho River near Chouteau, Okla.
07152500	Arkansas River at Ralston, Okla. (regulated)	07192000	Pryor Creek near Pryor, Okla.
07153000	Black Bear Creek at Pawnee, Okla.	07192500	Neosho River near Wagoner, Okla.
07154500	Cimarron River near Kenton, Okla.	07193500	Neosho River below Fort Gibson Lake near Fort Gibson, Okla.
07155000	Cimarron River above Ute Creek near Boise City, Okla.	07194500	Arkansas River near Muskogee, Okla. (unregulated)
07155200	Cold Springs Creek near Castanada, Okla.	07194500	Arkansas River near Muskogee, Okla. (regulated)
07157000	Cimarron River near Mocane, Okla.	07195500	Illinois River near Watts, Okla.
07157950	Cimarron River near Buffalo, Okla.	07196000	Fling Creek near Kansas, Okla.
07157960	Buffalo Creek near Lovedale, Okla.	07196500	Illinois River near Tahlequah, Okla.
07158000	Cimarron River near Waynoka, Okla.	07197000	Baron Fork at Eldon, Okla.
07158010	Main Creek near Waynoka, Okla.	07198000	Illinois River near Gore, Okla. (unregulated)
07158100	Eagle Chief Creek near Aline, Okla.	07198000	Illinois River near Gore, Okla. (regulated)
07158400	Salt Creek near Okeene, Okla.	07198500	Dirty Creek near Warner, Okla.
07158500	Preacher Creek near Dover, Okla.	07228150	Commission Creek near Grand, Okla.
07159000	Turkey Creek near Drummond, Okla.	07228220	Turkey Creek near Camargo, Okla.
07159200	Kingfisher Creek near Kingfisher, Okla.	07228400	Deer Creek at Hydro, Okla.
07159500	Bluff Creek above Lake Hefner near Oklahoma City, Okla.	07228500	Canadian River at Bridgeport, Okla. (unregulated)
07159750	Cottonwood Creek near Seward, Okla.	07228500	Canadian River at Bridgeport, Okla. (regulated)
07159800	Cottonwood Creek near Guthrie, Okla.	07229000	Canadian River near Newcastle, Okla.
07160000	Cimarron River near Guthrie, Okla.	07229100	Canadian River near Noble, Okla.
07160500	Skeleton Creek near Lovell, Okla.	07229300	Walnut Creek at Purcell, Okla.
07161000	Cimarron River at Perkins, Okla.	07230000	Little River below Lake Thunderbird near Norman, Okla. (unregulated)
07163000	Council Creek near Stillwater, Okla.	07230000	Little River below Lake Thunderbird near Norman, Okla. (regulated)
07163500	Cimarron River near Oilton, Okla.	07230500	Little River near Tecumseh, Okla. (unregulated)
07164000	Cimarron River at Mannford, Okla.	07230500	Little River near Tecumseh, Okla. (regulated)
07164500	Arkansas River at Tulsa, Okla. (unregulated)	07230800	Salt Creek near Dewright, Okla.
07164500	Arkansas River at Tulsa, Okla. (regulated)	07231000	Little River near Sasakwa, Okla. (unregulated)
07165500	Polecat Creek below Heyburn Lake near Heyburn, Okla. (unregulated)	07231000	Little River near Sasakwa, Okla. (regulated)
07165500	Polecat Creek below Heyburn Lake near Heyburn, Okla. (regulated)	07231500	Canadian River near Calvin, Okla. (unregulated)
07165550	Snake Creek near Bixby, Okla.	07231500	Canadian River at Calvin, Okla. (regulated)
07171000	Verdigris River near Lenapah, Okla. (unregulated)	07232000	Gaines Creek near Krebs, Okla.
07171000	Verdigris River near Lenapah, Okla. (regulated)	07232400	Beaver (Sand) Creek near Texhoma, Okla.
07171400	Verdigris River near Oologah, Okla.	07232450	Tepee Creek near Eva, Okla.
07171500	Verdigris River near Sageeyah, Okla.	07232500	Beaver River near Guymon, Okla.
07173000	Caney River near Hulah, Okla. (unregulated)	07232580	Goff Creek near Hough, Okla.
07173000	Caney River near Hulah, Okla. (regulated)	07232590	Goff Creek near Guymon, Okla.
07174000	Caney Creek near Copan, Okla.	07232620	Pony Creek near Optima, Okla.
07174200	Little Caney River below Cotton Creek near Copan, Okla.	07233000	Coldwater Creek near Hardesty, Okla.
07174500	Caney River at Bartlesville, Okla.	07233700	Palo Duro Creek near Range, Okla.
07174600	Sand Creek near Okesa, Okla.	07234000	Beaver River at Beaver, Okla.
07174700	Caney River near Ochelata, Okla.	07234100	Clear Creek near Elmwood, Okla.
07175500	Caney River near Ramona, Okla. (unregulated)	07234130	Duck Pond Creek near Clear Lake, Okla.
07175500	Caney River near Ramona, Okla. (regulated)	07234200	Kiowa Creek near Slapout, Okla.
07176000	Verdigris River near Claremore, Okla. (unregulated)	07234300	Clear Creek near May, Okla.
07176000	Verdigris River near Claremore, Okla. (regulated)	07234500	North Canadian River near Fort Supply, Okla.
07176500	Bird Creek near Avant, Okla.	07235500	Wolf Creek near Shattuck, Okla.
07177000	Hominy Creek near Skiatook, Okla.	07236000	Wolf Creek near Fargo, Okla.
		07237000	Wolf Creek near Fort Supply, Okla.
		07237500	North Canadian River at Woodward, Okla. (unregulated)
		07237500	North Canadian River at Woodward, Okla. (regulated)
		07237700	Persimmon Creek near Mutual, Okla.

NUMERICAL STATION INDEX--Continued

07237800	Bent Creek near Richmond, Okla.	07316070	Hickory Creek near Marietta, Okla.
07237800	Bent Creek near Seiling, Okla.	07316500	Washita River near Cheyenne, Okla. (unregulated)
07238000	North Canadian River near Seiling, Okla.	07316500	Washita River near Cheyenne, Okla. (regulated)
07239000	North Canadian River at Canton, Okla. (unregulated)	07319500	Sandstone Creek near Berlin, Okla.
07239000	North Canadian River at Canton, Okla. (regulated)	07322500	East Branch Sandstone Creek near Elk City, Okla.
07239500	North Canadian River near El Reno, Okla. (unregulated)	07323000	Sandstone Creek near Cheyenne, Okla.
07239500	North Canadian River near El Reno, Okla. (regulated)	07324200	Washita River near Hammon, Okla.
07241500	North Canadian River near Oklahoma City, Okla.	07324400	Washita River near Foss, Okla.
07241500	North Canadian River near Harrah, Okla.	07324500	Barnitz Creek near Arapaho, Okla.
07242000	North Canadian River near Wetumka, Okla.	07325000	Washita River near Clinton, Okla. (unregulated)
07242500	Bellicow Creek at Chandler, Okla.	07325000	Washita River near Clinton, Okla. (regulated)
07243000	Dry Creek near Kendrick, Okla.	07325300	Rainy Mountain Creek near Mountain View, Okla.
07243500	Deep Fork near Beggs, Okla.	07325400	Stinking Creek near Carnegie, Okla.
07244000	Deep Fork near Dewar, Okla.	07325500	Washita River at Carnegie, Okla. (unregulated)
07245000	Canadian River near Whitefield, Okla. (unregulated)	07325500	Washita River at Carnegie, Okla. (regulated)
07245000	Canadian River near Whitefield, Okla. (regulated)	07325800	Cobb Creek near Eakly, Okla.
07245500	Sallisaw Creek near Sallisaw, Okla.	07325850	Lake Creek near Eakly, Okla.
07246500	Arkansas River near Sallisaw, Okla. (unregulated)	07326000	Cobb Creek near Fort Cobb, Okla. (unregulated)
07246500	Arkansas River near Sallisaw, Okla. (regulated)	07326000	Cobb Creek near Fort Cobb, Okla. (regulated)
07247500	Fourche Maline near Red Oak, Okla.	07326500	Washita River at Anadarko, Okla. (unregulated)
07248500	Poteau River near Wister, Okla. (unregulated)	07326500	Washita River at Anadarko, Okla. (regulated)
07248500	Poteau River near Wister, Okla. (regulated)	07327000	Sugar Creek near Gracemont, Okla. (unregulated)
07249000	Poteau River near Poteau, Okla.	07327000	Sugar Creek near Gracemont, Okla. (regulated)
07249800	Lee Creek near Short, Okla.	07327490	Little Washita River near Ninnekah, Okla.
07249900	Little Lee Creek near Short, Okla.	07327500	Little Washita River at Ninnekah, Okla.
07250000	Lee Creek near Van Buren, Ark.	07328000	Washita River near Tabler, Okla.
07300500	Salt Fork Red River at Mangum, Okla.	07328070	Winter Creek near Alex, Okla.
07301100	Turkey Creek at Olustee, Okla.	07328300	Finn Creek near Story, Okla.
07301452	Starvation Creek near Prentiss, Okla.	07328500	Washita River near Pauls Valley, Okla.
07301460	Turkey Creek near Sayre, Okla.	07329000	Rush Creek at Purdy, Okla.
07301500	North Fork Red River near Carter, Okla.	07329500	Rush Creek near Maysville, Okla. (unregulated)
07302000	North Fork Red River near Granite, Okla.	07329500	Rush Creek near Maysville, Okla. (regulated)
07303000	North Fork Red River below Altus Dam near Lugert, Okla.	07329700	Wildhorse Creek near Hoover, Okla.
07303400	Elm Fork of North Fork Red River near Carl, Okla.	07329900	Rock Creek at Dougherty, Okla.
07303500	Elm Fork of North Fork Red River near Mangum, Okla.	07330500	Caddo Creek near Ardmore, Okla.
07304500	Elk Creek near Hobart, Okla.	07331000	Washita River near Durwood, Okla.
07305000	North Fork Red River near Headrick, Okla. (unregulated)	07331200	Mill Creek near Mill Creek, Okla.
07305000	North Fork Red River near Headrick, Okla. (regulated)	07331300	Pennington Creek near Reagon, Okla.
07305500	West Otter Creek at Snyder Lake near Mountain Park, Okla.	07331600	Red River at Denison Dam near Denison, Tex.
07306500	Otter Creek at Mountain Park, Okla.	07332000	Red River near Colbert, Okla. (unregulated)
07308310	Suttle Creek near Davidson, Okla.	07332000	Red River near Colbert, Okla. (regulated)
07310000	Little Medicine Bluff Creek near Lawton, Okla.	07332250	Island Bayou near Albany, Okla.
07310500	Medicine Bluff Creek near Lawton, Okla.	07332400	Blue Creek at Milburn, Okla.
07311000	East Cache Creek near Walters, Okla.	07332500	Blue River near Blue, Okla.
07311200	Blue Beaver Creek near Cache, Okla.	07332700	Muddy Boggy Creek near Parker, Okla.
07311240	West Cache Creek near Cookietown, Okla.	07333500	Chickasaw Creek near Stringtown, Okla.
07311500	Deep Red Run near Randlett, Okla.	07333800	McGee Creek near Stringtown, Okla.
07313000	Little Beaver Creek near Duncan, Okla.	07334000	Muddy Boggy Creek near Ferris, Okla.
07313500	Beaver Creek near Waurika, Okla.	07334200	Byrds Mill Spring near Fittstown, Okla.
07313600	Cow Creek near Waurika, Okla.	07334400	Clear Boggy Creek near Tupelo, Okla.
07315500	Red River near Terral, Okla.	07334420	Leader Creek at Tupelo, Okla.
07315700	Mud Creek near Courtney, Okla.	07334440	Delaware Creek near Wapunucka, Okla.
07315900	Walnut Bayou near Burneyville, Okla.	07335000	Clear Boggy Creek near Caney, Okla.
		07335500	Red River at Arthur City, Tex.
		07335700	Kiamichi River near Big Cedar, Okla.
		07335900	Buck Creek near Moyers, Okla.
		07336000	Tenmile Creek near Miller, Okla.
		07336500	Kiamichi River near Belzoni, Okla.
		07337500	Little River near Wright City, Okla. (unregulated)
		07337500	Little River near Wright City, Okla. (regulated)
		07337900	Glover Creek near Glover, Okla.
		07338000	Little River near Idabel, Okla.
		07338500	Little River below Lukfata Creek near Idabel, Okla. (unregulated)
		07338500	Little River below Lukfata Creek near Idabel, Okla. (regulated)
		07339000	Mountain Fork near Eagleton, Okla. (unregulated)

NUMERICAL STATION INDEX--Continued

1	Bear Creek near Fallisa, Okla.
5	Bitter Creek near Chickasha, Okla.
7	Blue Creek near Connerville, Okla.
8	Captain Creek near Wellston, Okla.
9	Cedar Creek near Carnegie, Okla.
12	Clear Boggy near Frisco, Okla.
14	Cottonwood Creek near Navina, Okla.
15	Deep Fork near Welty, Okla.
16	Deer Creek near Edmond, Okla.
19	Eagle Chief Creek near Carmen, Okla.
20	Eagle Chief Creek near Cleo, Okla.
21	Five Mile Creek near Eakley, Okla.
24	House Creek near Terleton, Okla.
25	Hoyle Creek near Ames, Okla.
26	Indian Creek near Woodward, Okla. (sec. 29, T22N, R20W)
26	Indian Creek near Woodward, Okla. (sec. 30, T22, R19)
26	Indian Creek near Woodward, Okla. (sec. 21, T22, R19)
30	Little Deep Fork near Edna, Okla.
36	North Boggy Creek near Atoka, Okla.
37	North Fork Red River near Texola, Okla.
38	Persimmon Creek (North) near Sharon, Okla.
39	Persimmon Creek (South) near Sharon, Okla.
40	Pond Creek near Lamont, Okla.
42	Quapaw Creek near Meeker, Okla.
43	Red Rock Creek near Red Rock, Okla.
45	Roundup Creek near Woodward, Okla.
47	Salina Creek near Salina, Okla.
49	Salt Creek near Pearson, Okla.
51	Spring Creek near Ada, Okla.
52	Sweetwater Creek near Texola, Okla.
54	Turkey Creek near Dover, Okla.
55	West Bitter Creek near Tabler, Okla.
56	Wewoka Creek near Wetumka, Okla.

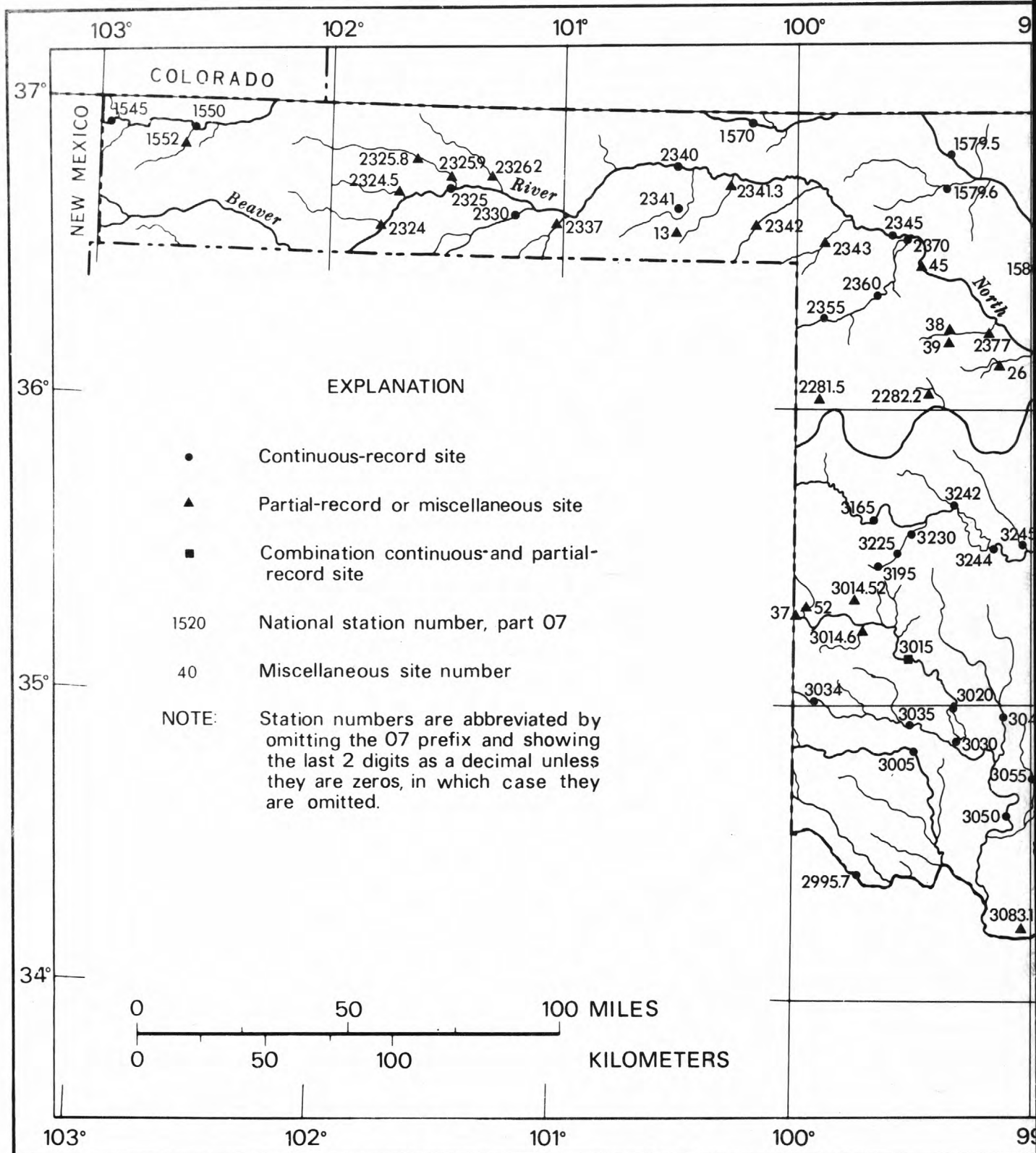


Figure 1.--Location of streamflow gaging stations and measurement sites.

