

07190000 LAKE O' THE CHEROKEES AT LANGLEY, OK

LOCATION.--Lat 36°28'07", long 95°02'28", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.23 N., R.21 E., Mayes County, Hydrologic Unit 11070206, on upstream side of pier at intake structure near right end of Pensacola Dam on Neosho River at Langley, 9.9 mi upstream from Big Cabin Creek, and at mile 77.0.

DRAINAGE AREA.--10,298 mi².

PERIOD OF RECORD.--March 1940 to current year. Prior to October 1940, published as Grand Lake at Langley. Monthly contents only for 1941-42 water years.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1.10 ft above NGVD of 1929 (U.S. Army Corps of Engineers' benchmark). Prior to Nov. 14, 1941, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by multiple-arch concrete dam, with tops of taintor-type spillway gates at gage height 755.0 ft. Storage began Mr. 21, 1940; power-pool was first filled Apr. 19, 1941. Capacity between gage heights 682.0 ft, sill of powerhouse penstock, and 745.0 ft, maximum power pool is 1,492,000 acre-ft. Capacity between gage heights 745.0 ft and 755.0 ft is 525,200 acre-ft, and is reserved for flood control. Dead storage below gage height 682.0 ft is 180,200 acre-ft. Figures given herein represent total contents. Reservoir is utilized for power development and flood control. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,213,000 acre-ft, May 25, 1957, gage height, 755.27 ft; minimum since power-pool was first filled, 642,900 acre-ft, Sept. 28, 1954, gage height, 713.41 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,910,000 acre-ft, Jan. 8, gage height, 749.87 ft; minimum, 1,491,000 acre-ft, Sept. 14, 15, gage height, 740.93.

Capacity table (elevation, in feet, and contents, in acre-ft):

730	1,086,000	745	1,672,000
735	1,257,000	750	1,917,000
740	1,452,000	755	2,198,000

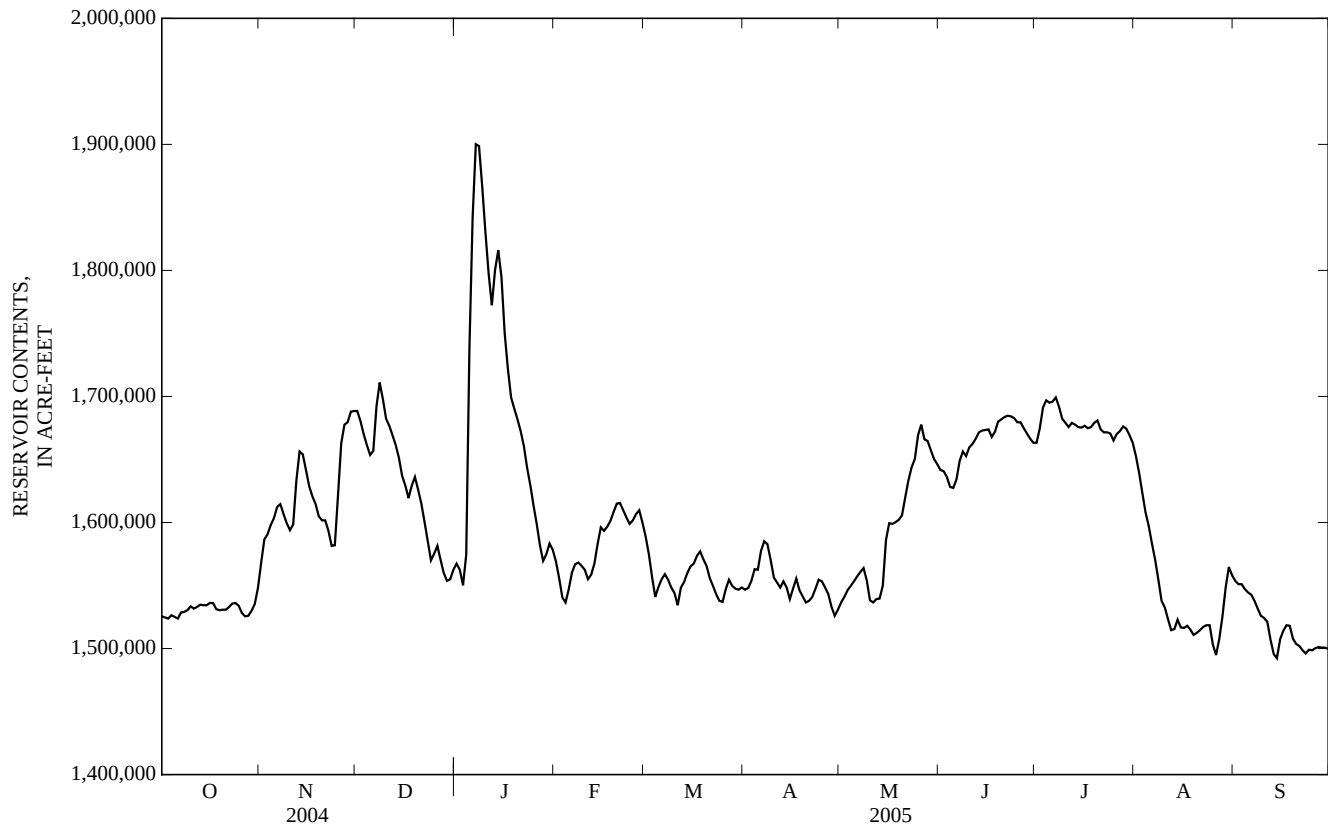
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,526,000	1,568,000	1,688,000	1,567,000	1,569,000	1,589,000	1,547,000	1,537,000	1,642,000	1,663,000	1,653,000	1,554,000
2	1,525,000	1,587,000	1,680,000	1,563,000	1,556,000	1,575,000	1,548,000	1,541,000	1,641,000	1,675,000	1,639,000	1,551,000
3	1,524,000	1,591,000	1,670,000	1,550,000	1,541,000	1,557,000	1,554,000	1,546,000	1,636,000	1,691,000	1,623,000	1,551,000
4	1,526,000	1,598,000	1,661,000	1,574,000	1,537,000	1,541,000	1,563,000	1,550,000	1,628,000	1,697,000	1,608,000	1,547,000
5	1,525,000	1,604,000	1,654,000	1,738,000	1,547,000	1,549,000	1,563,000	1,553,000	1,627,000	1,695,000	1,597,000	1,544,000
6	1,524,000	1,612,000	1,657,000	1,842,000	1,560,000	1,555,000	1,577,000	1,557,000	1,634,000	1,696,000	1,583,000	1,543,000
7	1,529,000	1,615,000	1,692,000	1,900,000	1,567,000	1,559,000	1,585,000	1,561,000	1,649,000	1,699,000	1,570,000	1,538,000
8	1,529,000	1,607,000	1,711,000	1,899,000	1,568,000	1,555,000	1,583,000	1,564,000	1,656,000	1,692,000	1,555,000	1,532,000
9	1,530,000	1,599,000	1,698,000	1,867,000	1,566,000	1,548,000	1,570,000	1,554,000	1,653,000	1,682,000	1,538,000	1,526,000
10	1,533,000	1,594,000	1,682,000	1,830,000	1,563,000	1,544,000	1,556,000	1,538,000	1,660,000	1,679,000	1,533,000	1,524,000
11	1,532,000	1,598,000	1,677,000	1,797,000	1,555,000	1,534,000	1,552,000	1,537,000	1,662,000	1,676,000	1,523,000	1,521,000
12	1,533,000	1,633,000	1,669,000	1,772,000	1,559,000	1,548,000	1,548,000	1,539,000	1,666,000	1,679,000	1,515,000	1,507,000
13	1,535,000	1,656,000	1,661,000	1,800,000	1,567,000	1,553,000	1,553,000	1,540,000	1,672,000	1,678,000	1,515,000	1,496,000
14	1,534,000	1,654,000	1,651,000	1,816,000	1,583,000	1,560,000	1,548,000	1,550,000	1,673,000	1,676,000	1,523,000	1,492,000
15	1,534,000	1,642,000	1,637,000	1,795,000	1,596,000	1,565,000	1,539,000	1,586,000	1,673,000	1,675,000	1,517,000	1,507,000
16	1,536,000	1,629,000	1,629,000	1,750,000	1,593,000	1,567,000	1,548,000	1,599,000	1,674,000	1,677,000	1,516,000	1,514,000
17	1,536,000	1,621,000	1,619,000	1,722,000	1,597,000	1,574,000	1,555,000	1,599,000	1,668,000	1,675,000	1,518,000	1,519,000
18	1,531,000	1,615,000	1,629,000	1,699,000	1,601,000	1,577,000	1,546,000	1,600,000	1,672,000	1,676,000	1,515,000	1,518,000
19	1,530,000	1,605,000	1,636,000	1,690,000	1,608,000	1,571,000	1,541,000	1,602,000	1,680,000	1,679,000	1,511,000	1,508,000
20	1,531,000	1,602,000	1,626,000	1,682,000	1,615,000	1,566,000	1,537,000	1,606,000	1,682,000	1,681,000	1,512,000	1,504,000
21	1,531,000	1,602,000	1,615,000	1,672,000	1,615,000	1,556,000	1,538,000	1,620,000	1,684,000	1,674,000	1,515,000	1,502,000
22	1,533,000	1,593,000	1,600,000	1,660,000	1,610,000	1,550,000	1,541,000	1,633,000	1,685,000	1,672,000	1,517,000	1,499,000
23	1,536,000	1,581,000	1,585,000	1,643,000	1,604,000	1,543,000	1,548,000	1,644,000	1,684,000	1,672,000	1,519,000	1,496,000
24	1,536,000	1,582,000	1,570,000	1,630,000	1,599,000	1,538,000	1,555,000	1,650,000	1,683,000	1,671,000	1,519,000	1,499,000
25	1,534,000	1,622,000	1,575,000	1,614,000	1,602,000	1,537,000	1,553,000	1,669,000	1,680,000	1,665,000	1,503,000	1,499,000
26	1,528,000	1,663,000	1,581,000	1,599,000	1,607,000	1,547,000	1,548,000	1,678,000	1,680,000	1,670,000	1,495,000	1,500,000
27	1,526,000	1,678,000	1,570,000	1,582,000	1,610,000	1,555,000	1,543,000	1,666,000	1,675,000	1,672,000	1,507,000	1,501,000
28	1,526,000	1,680,000	1,560,000	1,570,000	1,600,000	1,550,000	1,533,000	1,665,000	1,671,000	1,676,000	1,526,000	1,501,000
29	1,530,000	1,688,000	1,554,000	1,575,000	---	1,548,000	1,526,000	1,657,000	1,666,000	1,674,000	1,548,000	1,501,000
30	1,535,000	1,688,000	1,555,000	1,583,000	---	1,547,000	1,531,000	1,650,000	1,663,000	1,669,000	1,565,000	1,500,000
31	1,548,000	---	1,563,000	1,578,000	---	1,548,000	---	1,646,000	---	1,663,000	1,558,000	---
MAX	1,548,000	1,688,000	1,711,000	1,900,000	1,615,000	1,589,000	1,585,000	1,678,000	1,685,000	1,699,000	1,653,000	1,554,000
MIN	1,524,000	1,568,000	1,554,000	1,550,000	1,537,000	1,534,000	1,526,000	1,537,000	1,627,000	1,663,000	1,495,000	1,492,000
(#)	742.25	745.35	742.58	742.94	743.41	742.26	741.86	744.44	744.81	744.81	742.48	741.14
(##)	+24000	+140000	-125000	+15000	+22000	-52000	-17000	+11500	+17000	0	-105000	-58000

CAL YR 2004 MAX 1824000 MIN 1524000 (##) -45000
WTR YR 2005 MAX 1900000 MIN 1492000 (##) -24000

(#) ELEVATION, IN FEET, AT END OF MONTH
(##) CHANGE IN CONTENTS, IN ACRE-FEET

07190000 LAKE O' THE CHEROKEES AT LANGLEY, OK—Continued



07190500 NEOSHO RIVER NEAR LANGLEY, OK

LOCATION.--Lat 36°26'20", long 95°02'54", in SW $\frac{1}{4}$, SE $\frac{1}{4}$ sec.27, T.23 N., R.21 E., Mayes County, Hydrologic Unit 11070209, in concrete stilling well on left bank, 0.5 mi upstream from bridge on State Highway 82, 1.5 mi south of Langley, 3.6 mi down- stream from Pensacola Dam, 6.3 mi upstream from Big Cabin Creek, and at mile 73.4.

DRAINAGE AREA.--10,335 mi².

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

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 607.65 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Feb. 16, 1940, nonrecording gage at site 0.1 mi upstream at same datum. Feb. 10, 1954 to Sept. 30, 1963, water-stage recorder at site 0.5 mi downstream at same datum. Auxiliary water-stage recorders at sites 2.0 and 3.0 mi upstream at same datum.

REMARKS.--Records fair except for estimated periods which are poor. Low flow values of 25 ft³/s consist of estimated base flow (since July 1964). Flow regulated since 1940 by Lake O' The Cherokees (station 0719000).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e25	8,060	14,900	e25	10,000	13,100	9,070	e25	8,510	13,700	6,950	13,400
2	e25	8,420	14,700	5,670	13,000	12,600	6,600	e25	7,120	14,000	7,870	12,700
3	e25	9,720	12,600	11,400	12,700	13,000	1,670	e25	6,390	13,400	8,440	11,200
4	e25	9,080	11,800	11,800	6,860	13,200	740	477	8,590	13,400	8,110	12,800
5	e25	8,080	9,640	15,000	183	525	4,210	e25	13,000	15,100	6,620	12,200
6	e25	5,790	e10,700	53,900	e25	e25	2,760	e25	12,600	16,000	7,540	12,100
7	e25	6,120	12,800	59,600	6,490	3,940	10,700	53	13,600	13,700	7,450	12,100
8	e25	7,030	27,900	66,100	13,300	7,380	14,000	116	13,100	13,400	7,560	12,700
9	e25	6,680	27,800	45,800	12,900	7,420	12,800	7,190	13,200	13,000	8,160	13,100
10	e25	6,310	20,200	30,400	12,800	7,190	14,000	10,500	13,300	12,300	3,230	9,910
11	687	7,300	11,000	29,500	13,700	7,120	12,700	1,780	13,400	9,590	4,980	10,700
12	e25	8,480	10,500	31,000	9,910	27	10,200	90	e20,500	8,830	3,750	10,300
13	e25	11,000	10,300	30,500	9,320	e25	7,410	2,040	e32,100	8,500	62	10,400
14	e25	11,000	10,200	41,300	10,700	e25	9,560	e25	e35,600	8,490	e25	7,040
15	36	11,100	11,000	40,200	12,200	1,710	9,270	e25	34,500	9,540	7,810	138
16	598	11,300	9,170	36,800	13,700	1,800	233	8,620	34,600	9,150	2,840	153
17	38	8,090	9,610	27,400	11,600	518	e25	10,700	34,300	7,550	1,640	e25
18	3,110	6,260	e25	23,200	11,000	1,240	8,400	12,600	29,800	8,730	3,210	1,280
19	1,630	8,630	654	17,800	8,250	6,730	5,920	12,900	21,700	7,680	3,090	5,970
20	e25	6,300	9,840	14,200	9,010	5,920	5,620	13,900	14,600	9,500	763	3,740
21	e25	3,940	10,900	14,100	9,580	8,570	3,620	11,300	13,300	13,300	e25	1,960
22	136	7,690	10,200	14,700	12,900	7,200	2,960	13,300	13,500	9,210	297	2,520
23	49	7,920	9,220	14,300	12,600	9,840	36	13,700	13,500	5,590	812	2,290
24	e25	11,000	10,600	14,000	13,400	10,100	e25	15,600	13,400	4,730	1,060	e25
25	2,150	11,100	714	14,000	12,300	6,110	5,120	15,300	13,300	5,780	8,040	e25
26	4,940	11,000	29	14,000	7,360	281	6,370	13,700	11,900	4,750	12,100	e25
27	2,230	11,600	7,940	14,500	7,220	69	6,940	13,800	13,500	1,160	13,200	25
28	1,390	12,100	8,120	14,300	11,000	7,640	9,610	9,890	13,800	1,980	13,300	e25
29	1,690	12,300	5,540	7,760	---	5,540	5,620	10,100	12,500	4,440	12,500	e25
30	e25	14,300	2,350	3,990	---	6,470	963	10,900	12,600	4,830	13,600	e25
31	e25	---	313	8,230	---	6,480	---	9,670	---	4,900	13,600	---
TOTAL	19,134	267,700	311,265	725,475	284,008	171,795	187,152	218,401	511,810	286,230	188,634	178,901
MEAN	617	8,923	10,040	23,400	10,140	5,542	6,238	7,045	17,060	9,233	6,085	5,963
MAX	4,940	14,300	27,900	66,100	13,700	13,200	14,000	15,600	35,600	16,000	13,600	13,400
MIN	25	3,940	25	25	25	25	25	25	6,390	1,160	25	25
AC-FT	37,950	531,000	617,400	1,439,000	563,300	340,800	371,200	433,200	1,015,000	567,700	374,200	354,900

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

MEAN	5,859	6,706	5,687	5,125	6,125	8,848	11,050	11,990	11,220	8,915	4,380	4,882
MAX	51,120	38,870	35,580	23,400	23,460	33,250	50,780	77,710	43,540	67,920	20,910	30,350
(WY)	(1987)	(1986)	(1993)	(2005)	(1949)	(1973)	(1945)	(1943)	(1995)	(1951)	(1950)	(1993)
MIN	37.5	63.0	40.9	144	243	321	38.1	71.4	33.1	26.5	25.6	77.1
(WY)	(1981)	(1957)	(1981)	(1954)	(1981)	(1967)	(1971)	(1940)	(1940)	(1940)	(1940)	(1953)

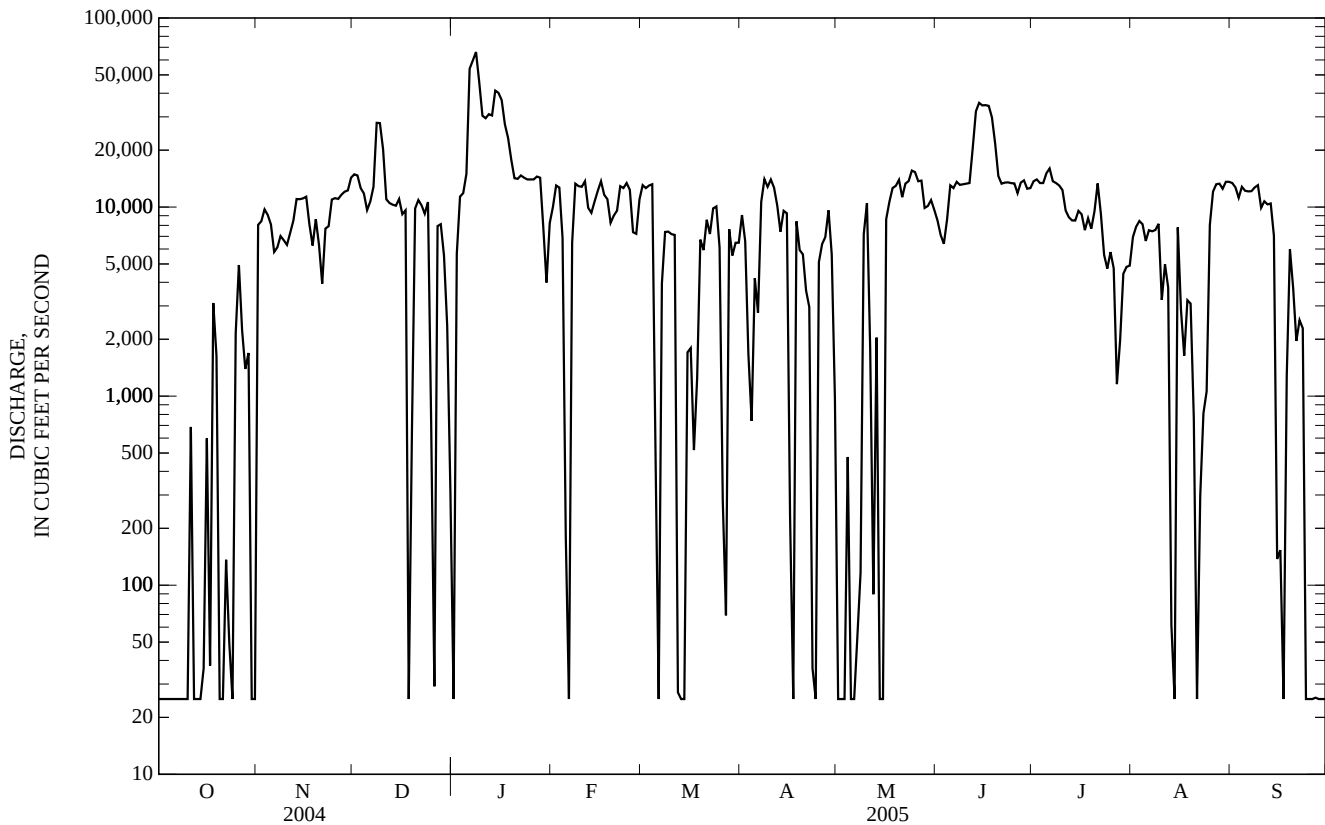
07190500 NEOSHO RIVER NEAR LANGLEY, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	3,405,366		3,350,505		7,567	
ANNUAL MEAN	9,304		9,179		21,710	
HIGHEST ANNUAL MEAN					210	
LOWEST ANNUAL MEAN					287,000	
HIGHEST DAILY MEAN	52,800	Apr 27	66,100	Jan 8	May 20, 1943	1940
LOWEST DAILY MEAN	25	at times	25	at times	Mar 25, 1940	
ANNUAL SEVEN-DAY MINIMUM	25	Sep 17	25	Oct 1	Apr 11, 1971	
MAXIMUM PEAK FLOW			73,700	Jan 9	May 20, 1943	
MAXIMUM PEAK STAGE			26.87	Jan 7	c45.50	May 20, 1943
ANNUAL RUNOFF (AC-FT)	6,755,000		6,646,000		5,482,000	
10 PERCENT EXCEEDS	19,900		14,300		16,700	
50 PERCENT EXCEEDS	8,730		8,500		3,940	
90 PERCENT EXCEEDS	25		25		103	

a Caused by closure of Pensacola Dam.

b From computation of overflow from Lake O' the Cherokees.

c From floodmark.



07191000 BIG CABIN CREEK NEAR BIG CABIN, OK

LOCATION.--Lat 36°34'06", long 95°09'07", in NE ¼, NE ¼ sec.15, T.24 N., R.20 E., Craig County, Hydrologic Unit 11070209, near downstream side of right bank end of county road bridge, 4.9 mi northeast of Big Cabin, 0.9 mi downstream from White Oak Creek, 6.8 mi upstream from Mustang Creek, and at mile 13.0.

DRAINAGE AREA.--450 mi².

PERIOD OF RECORD.--October 1947 to current year.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 622.00 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Sept. 30, 1972, water-stage recorder at site 4.5 mi downstream at same datum.

REMARKS.--Records fair except for estimated periods which are poor. Low flow sustained in part by sewage from city of Vinita. U.S. Army Corps of Engineer's satellite telemeter at station.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 34.96 ft at former site; discharge, 63,000 ft³/s, by slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 5	2130	*13,600	*32.91				
						No other peak greater than base discharge.	

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	744	288	38	133	209	196	38	19	6.5	0.75	1.3
2	1.0	329	175	37	130	170	346	34	19	8.3	0.65	1.0
3	1.0	193	130	83	200	146	169	31	16	5.7	0.65	0.93
4	1.1	667	101	3,580	182	131	111	28	14	7.2	0.73	0.90
5	1.1	209	90	12,100	140	116	85	25	12	9.7	0.91	0.86
6	1.1	95	313	8,110	391	101	255	24	10	6.0	1.4	0.94
7	1.5	60	4,880	908	2,150	95	1,210	22	8.7	4.3	1.4	0.99
8	2.2	40	1,220	565	1,080	87	576	22	7.8	3.6	1.2	0.97
9	2.3	28	461	503	2,070	80	286	20	6.9	3.2	1.2	0.90
10	3.5	22	290	450	859	74	191	19	5.9	2.8	1.1	0.80
11	7.2	1,030	195	381	437	69	302	18	6.3	3.4	1.0	0.74
12	9.9	996	150	394	321	64	364	17	11	3.3	0.99	0.81
13	6.9	259	124	3,560	1,120	59	183	16	2,510	2.8	1.00	0.78
14	7.1	131	98	845	885	54	132	23	651	2.5	3.1	1.5
15	6.6	86	80	396	396	50	105	22	199	2.1	23	6.1
16	7.2	65	72	267	252	46	89	21	140	1.9	38	6.4
17	8.4	54	70	200	181	45	77	23	117	1.6	40	3.7
18	7.8	58	67	176	153	45	71	19	84	1.3	18	2.0
19	7.0	125	61	171	139	42	64	16	57	1.2	7.9	1.5
20	8.4	121	55	171	140	38	59	14	39	1.1	4.4	1.5
21	9.1	126	52	165	158	45	56	13	28	1.00	3.3	1.9
22	11	389	47	146	185	284	52	12	23	0.82	2.3	1.9
23	14	253	42	121	1,180	589	48	43	18	0.73	2.3	2.1
24	e13	1,150	33	99	1,690	285	44	222	13	0.68	3.3	2.5
25	e13	949	29	96	576	296	40	130	11	0.72	2.5	2.6
26	e20	343	28	94	342	305	39	71	9.1	0.82	1.7	3.0
27	65	200	29	88	252	176	37	46	8.1	1.5	1.5	2.9
28	63	137	30	82	244	136	41	32	5.8	1.4	1.7	3.1
29	46	418	33	92	---	113	44	25	4.6	1.2	1.8	2.5
30	96	601	37	129	---	97	42	21	3.8	0.96	1.8	3.1
31	44	---	39	141	---	78	---	17	---	0.75	1.6	---
TOTAL	486.39	9,878	9,319	34,188	15,986	4,125	5,314	1,084	4,058.0	89.08	171.18	60.22
MEAN	15.7	329	301	1,103	571	133	177	35.0	135	2.87	5.52	2.01
MAX	96	1,150	4,880	12,100	2,150	589	1,210	222	2,510	9.7	40	6.4
MIN	0.99	22	28	37	130	38	37	12	3.8	0.68	0.65	0.74
AC-FT	965	19,590	18,480	67,810	31,710	8,180	10,540	2,150	8,050	177	340	119
CFSM	0.03	0.73	0.67	2.45	1.27	0.30	0.39	0.08	0.30	0.01	0.01	0.00
IN.	0.04	0.82	0.77	2.83	1.32	0.34	0.44	0.09	0.34	0.01	0.01	0.00

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

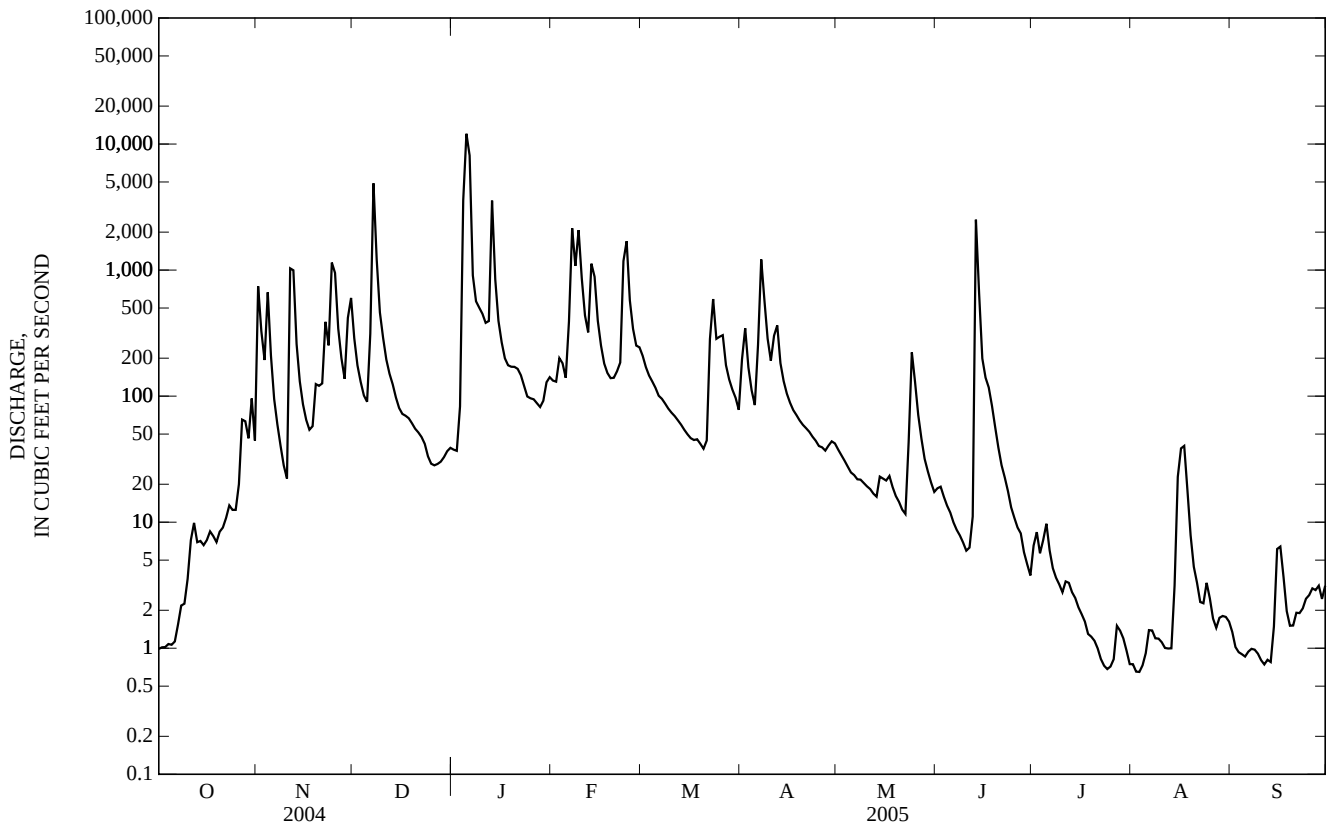
	250	403	290	251	324	576	492	645	471	207	79.2	199
MAX	4,250	2,844	2,552	1,157	2,940	2,621	2,285	3,580	2,817	1,947	1,757	1,891
(WY)	(1960)	(1986)	(1993)	(1973)	(1985)	(1990)	(1999)	(1961)	(1948)	(1958)	(1948)	(1961)
MIN	0.22	0.89	1.52	1.29	1.50	1.37	30.0	20.3	2.47	0.53	0.41	0.22
(WY)	(1957)	(1956)	(1956)	(1954)	(1954)	(1956)	(1954)	(1963)	(1988)	(1954)	(1954)	(1954)

e Estimated

07191000 BIG CABIN CREEK NEAR BIG CABIN, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL TOTAL	147,256.60		84,758.87		349	
ANNUAL MEAN	402		232		1,044	
HIGHEST ANNUAL MEAN					37.9	
LOWEST ANNUAL MEAN					46,300	
HIGHEST DAILY MEAN	13,400	Mar 5	12,100	Jan 5	52,000	Oct 3, 1959
LOWEST DAILY MEAN	0.41	Sep 15	0.65	Aug 2,3	0.10	Oct 4, 1954
ANNUAL SEVEN-DAY MINIMUM	0.64	Sep 10	0.77	Jul 30	0.11	Sep 11, 1956
MAXIMUM PEAK FLOW			13,600	Jan 5	52,000	Oct 3, 1959
MAXIMUM PEAK STAGE			32.91	Jan 5	a46.65	Feb 23, 1985
ANNUAL RUNOFF (AC-FT)	292,100		168,100		252,700	
ANNUAL RUNOFF (CFSM)	0.894		0.516		0.775	
ANNUAL RUNOFF (INCHES)	12.17		7.01		10.53	
10 PERCENT EXCEEDS	649		396		500	
50 PERCENT EXCEEDS	65		40		33	
90 PERCENT EXCEEDS	1.6		1.2		1.6	

a Gage height, 34.55 ft at former site.



07191160 SPAVINAW CREEK NEAR MAYSVILLE, AR

LOCATION.--Lat 36°21'52", long 94°33'04", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.20 N., R.34 W., Benton County, Hydrologic Unit 11070209, on downstream left end of bridge on State Highway 102, 1 mi upstream from Columbia Hollow, 3.1 mi southeast of Maysville, Ar. and at mile 42.9.

DRAINAGE AREA.--88.2 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 938.40 ft NAVD of 1988.

REMARKS.--No estimated daily discharge. Records good. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	568	131	37	82	87	69	47	37	29	20	17
2	22	233	108	36	81	84	77	46	37	29	19	16
3	22	156	89	42	79	81	88	45	36	28	18	16
4	22	117	75	1,010	77	78	86	44	35	28	17	16
5	22	90	71	2,170	75	76	83	43	35	27	17	15
6	22	73	82	818	77	73	101	43	34	27	17	15
7	22	62	170	383	80	75	164	43	34	26	19	15
8	22	55	187	271	80	75	156	43	33	25	20	15
9	22	52	151	217	82	73	134	43	33	25	21	14
10	22	48	121	181	84	72	115	43	33	24	20	14
11	23	46	99	159	84	71	105	42	32	24	19	14
12	24	44	85	380	84	70	99	41	33	23	18	14
13	24	42	74	1,520	86	69	89	40	39	22	17	13
14	24	39	66	430	85	68	79	42	73	22	17	14
15	23	37	60	285	84	67	72	43	64	22	18	15
16	23	36	57	226	81	65	67	42	58	22	20	16
17	23	35	55	190	79	64	64	40	55	21	24	18
18	23	35	53	166	77	63	61	39	50	21	25	17
19	22	35	52	150	76	62	59	38	47	21	24	17
20	22	36	51	138	75	61	57	38	43	21	25	16
21	22	35	48	129	74	61	56	37	40	20	31	16
22	22	36	46	119	72	63	55	36	38	20	29	15
23	23	37	44	111	78	65	53	45	35	20	27	15
24	22	45	43	106	93	64	52	52	34	19	26	14
25	22	73	42	102	98	65	52	51	32	19	24	14
26	24	78	41	98	97	67	52	47	32	19	23	14
27	26	69	39	93	93	67	51	45	32	20	22	14
28	27	61	39	90	91	67	50	43	32	21	20	14
29	28	66	38	89	---	68	49	42	30	22	19	14
30	31	140	38	86	---	68	48	40	29	21	18	14
31	32	---	37	84	---	68	---	39	---	20	18	---
TOTAL	730	2,479	2,292	9,916	2,304	2,157	2,343	1,322	1,175	708	652	451
MEAN	23.5	82.6	73.9	320	82.3	69.6	78.1	42.6	39.2	22.8	21.0	15.0
MAX	32	568	187	2,170	98	87	164	52	73	29	31	18
MIN	22	35	37	36	72	61	48	36	29	19	17	13
AC-FT	1,450	4,920	4,550	19,670	4,570	4,280	4,650	2,620	2,330	1,400	1,290	895

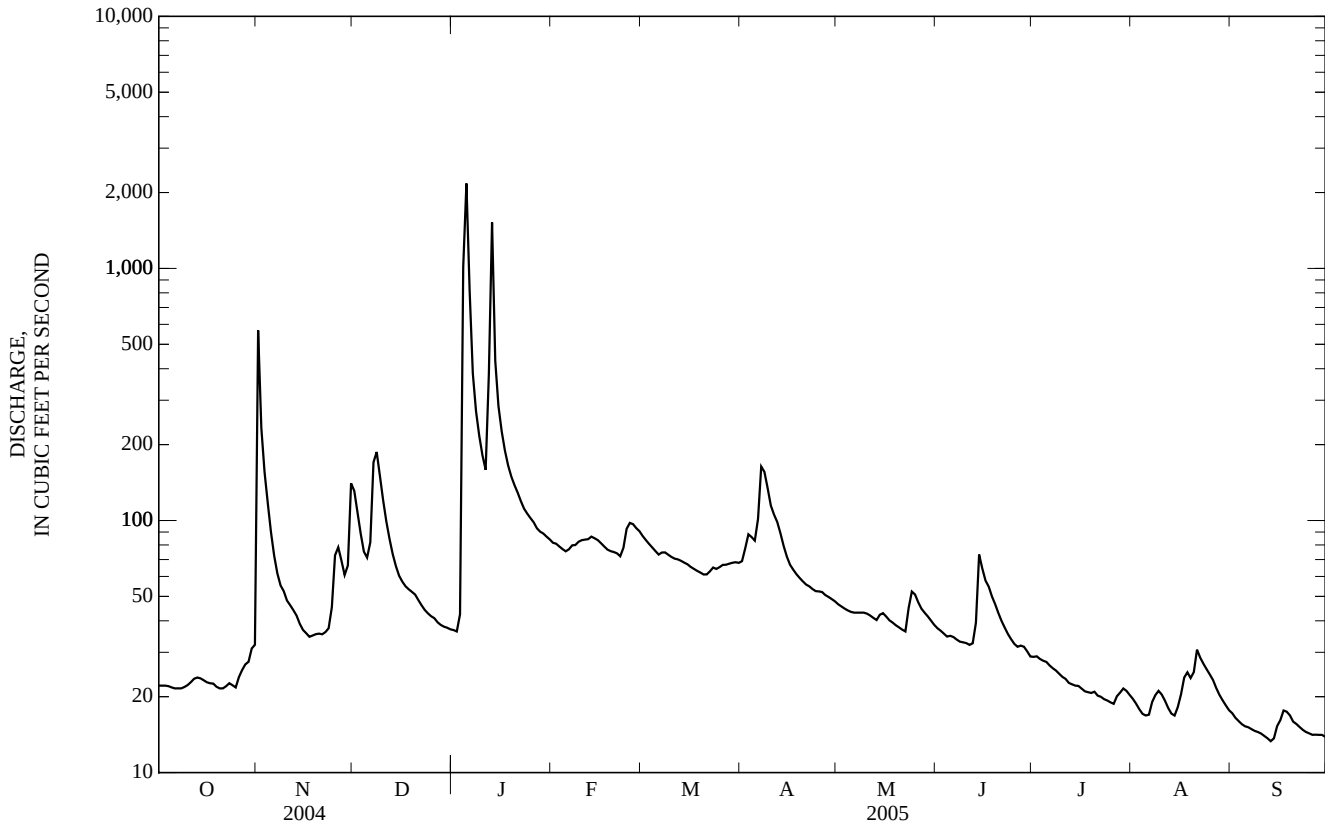
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	23.5	40.3	58.0	107	56.5	90.2	112	106	47.9	89.3	27.7	18.8
MAX	39.1	82.6	113	320	82.3	156	216	177	70.6	269	50.2	26.4
(WY)	(2002)	(2005)	(2002)	(2005)	(2005)	(2004)	(2004)	(2002)	(2002)	(2004)	(2004)	(2004)
MIN	14.2	17.9	19.3	22.7	31.7	54.2	38.0	42.6	39.2	22.8	13.4	15.0
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2003)	(2005)

07191160 SPAVINAW CREEK NEAR MAYSVILLE, AR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	35,048		26,529		64.9	
ANNUAL MEAN	95.8		72.7		85.7	
HIGHEST ANNUAL MEAN					31.5	
LOWEST ANNUAL MEAN					4,150	
HIGHEST DAILY MEAN	4,150	Jul 3	2,170	Jan 5	4,150	Jul 3, 2004
LOWEST DAILY MEAN	22	Sep 29	13	Sep 13	11	aAug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	22	Sep 29	14	Sep 8	11	Aug 21, 2003
MAXIMUM PEAK FLOW			3,410	Jan 5	9,330	Jul 3, 2004
MAXIMUM PEAK STAGE			12.82	Jan 5	18.49	Jul 3, 2004
ANNUAL RUNOFF (AC-FT)	69,520		52,620		47,030	
10 PERCENT EXCEEDS	161		105		103	
50 PERCENT EXCEEDS	48		43		37	
90 PERCENT EXCEEDS	24		18		16	

a Also occurred Aug. 23-28, 2003.



07191160 SPAVINAW CREEK NEAR MAYSVILLE, AR—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Three event samples were collected by USGS. All water-quality samples were analyzed at City of Tulsa Quality Assurance Laboratory, Tulsa, Oklahoma. Specific conductance, pH, water temperature, air temperature, and dissolved oxygen were determined in the field.

COOPERATION.--All analytical records were furnished by City of Tulsa, Tulsa, Oklahoma.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unfl- fixed end pt, lab, mg/L as CaCO3 (90410)
NOV 01...	1200	1028	99999	654	731	8.3	8.4	90	7.4	228	20.8	16.9	110
JAN 05...	1215	1028	99999	3,190	735	4.0	10.5	96	7.4	167	3.5	10.1	56
JUN 14...	1145	1028	99999	78	741	7.5	8.6	94	7.5	287	28.0	18.3	110

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

Date	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
NOV 01...	--	<.038	3.69	3.70	<.033	.32	.583	.190	.200	.240	93	72	127
JAN 05...	.09	.067	4.02	4.04	<.033	5.3	.644	.210	.230	1.20	91	1,230	10,600
JUN 14...	.18	.140	3.09	3.10	<.020	.40	.080	.026	.110	.150	91	49	10

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07191179 SPAVINAW CREEK NEAR CHEROKEE, AR

LOCATION.--Lat 36°20'31", long 94°35'15", in NW ¼ SE ¼ sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, on downstream left end of bridge on State Highway 43, 1.25 mi upstream from Coon Creek, 3.1 mi north of Cherokee, Ar. and at mile 39.3.

DRAINAGE AREA.--104 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 906.20 ft NAVD of 1988.

REMARKS.--Records good except for estimated periods which are poor. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	627	158	41	94	102	84	56	40	34	22	19
2	28	293	134	40	94	98	93	54	40	34	21	19
3	27	199	114	50	91	94	106	54	39	32	20	19
4	25	153	97	1,150	89	91	103	53	39	31	19	18
5	24	120	91	2,710	87	87	99	52	40	29	19	16
6	23	97	101	1,380	89	85	126	e52	39	28	20	15
7	24	82	193	710	92	86	219	e51	36	28	25	15
8	25	71	222	493	92	86	212	e50	35	28	25	15
9	26	65	184	383	96	85	181	e49	35	27	23	15
10	27	59	150	312	97	83	152	48	37	27	23	16
11	29	56	124	268	98	81	139	47	37	26	22	15
12	29	52	108	487	98	80	128	46	37	25	21	15
13	31	48	93	2,080	99	80	116	44	48	24	20	15
14	32	44	84	709	99	78	104	49	98	24	21	18
15	31	40	76	439	97	76	96	51	92	24	22	23
16	31	37	71	336	95	75	88	48	81	23	27	22
17	30	36	69	272	92	73	82	45	76	23	31	24
18	29	38	66	232	89	72	78	43	68	22	33	23
19	29	38	64	206	87	71	76	42	61	21	31	21
20	29	38	62	184	86	70	74	41	54	22	38	20
21	29	39	59	169	85	70	72	40	48	22	42	19
22	31	39	56	155	83	73	70	39	44	22	38	19
23	31	41	52	142	91	76	68	55	40	24	34	18
24	31	54	49	133	110	75	67	66	37	23	31	18
25	30	87	48	126	120	77	65	64	36	24	29	18
26	37	97	46	120	118	79	64	58	34	23	27	17
27	39	88	46	114	113	79	63	54	34	30	26	16
28	46	77	44	110	108	78	61	50	34	27	25	17
29	48	81	44	108	---	79	60	47	33	26	22	17
30	54	158	43	103	---	79	58	44	32	25	20	17
31	59	---	42	99	---	79	---	41	---	24	20	---
TOTAL	994	2,954	2,790	13,861	2,689	2,497	3,004	1,533	1,404	802	797	539
MEAN	32.1	98.5	90.0	447	96.0	80.5	100	49.5	46.8	25.9	25.7	18.0
MAX	59	627	222	2,710	120	102	219	66	98	34	42	24
MIN	23	36	42	40	83	70	58	39	32	21	19	15
AC-FT	1,970	5,860	5,530	27,490	5,330	4,950	5,960	3,040	2,780	1,590	1,580	1,070

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

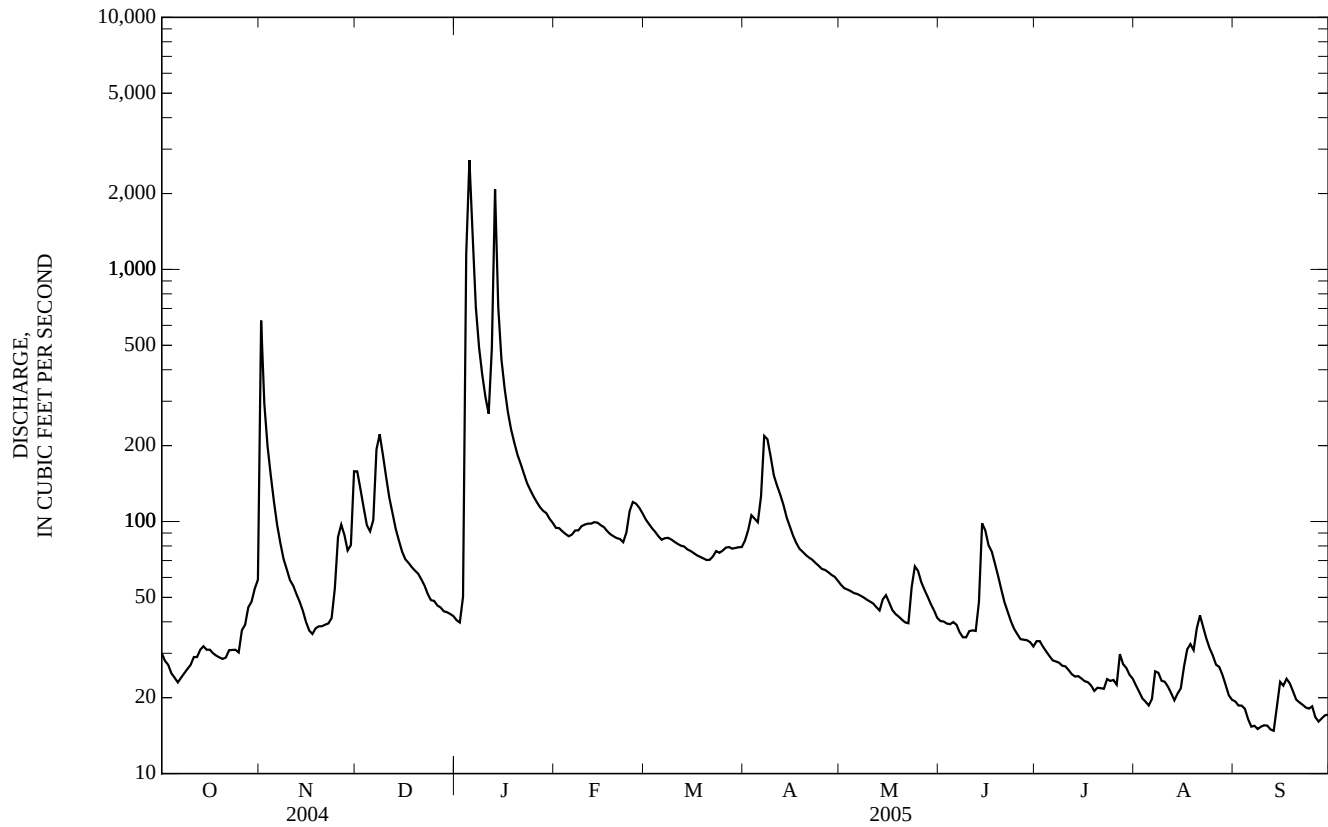
MEAN	27.7	46.2	65.1	148	67.9	108	136	124	58.0	107	33.4	21.5
MAX	40.8	98.5	120	447	96.0	187	257	198	88.8	328	64.6	29.6
(WY)	(2002)	(2005)	(2002)	(2005)	(2005)	(2004)	(2004)	(2002)	(2002)	(2004)	(2004)	(2004)
MIN	18.8	21.9	21.1	27.6	35.6	59.6	49.6	49.5	40.5	25.9	14.7	18.0
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2005)	(2003)	(2005)

e Estimated

07191179 SPAVINAW CREEK NEAR CHEROKEE, AR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	43,325		33,864		78.7	
ANNUAL MEAN	118		92.8		106	
HIGHEST ANNUAL MEAN					35.6	
LOWEST ANNUAL MEAN					12	
HIGHEST DAILY MEAN	5,180	Jul 3	2,710	Jan 5	5,180	Jul 3, 2004
LOWEST DAILY MEAN	23	Oct 6	15	several days	12	aAug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	25	Sep 23	15	Sep 6	12	Aug 22, 2003
MAXIMUM PEAK FLOW			3,880	Jan 5	12,100	Jul 3, 2004
MAXIMUM PEAK STAGE			12.35	Jan 5	18.81	Jul 3, 2004
ANNUAL RUNOFF (AC-FT)	85,940		67,170		57,040	
10 PERCENT EXCEEDS	194		133		126	
50 PERCENT EXCEEDS	60		50		44	
90 PERCENT EXCEEDS	30		21		19	

a Also Occurred Aug. 26-28, 2003



07191179 SPAVINAW CREEK NEAR CHEROKEE, AR—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Three event samples collected by USGS. All water-quality samples were analyzed at City of Tulsa Quality Assurance Laboratory, Tulsa, Oklahoma. Specific conductance, pH, water temperature, air temperature, and dissolved oxygen were determined in the field.

COOPERATION.--All analytical records were furnished by City of Tulsa, Tulsa, Oklahoma.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unfl- fixed end pt, lab, mg/L as CaCO3 (90410)
NOV 01...	1400	1028	99999	657	731	6.1	8.3	90	7.5	242	20.0	17.1	100
JAN 05...	1325	1028	99999	3,780	735	4.1	10.7	99	7.4	172	3.5	10.2	57
JUN 14...	1440	1028	99999	105	741	3.1	10.2	116	7.9	305	29.0	20.2	120

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

Date	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
NOV 01...	--	<.038	4.10	4.11	<.033	.55	.613	.200	.200	.240	94	819	1,450
JAN 05...	.10	.080	4.52	4.55	<.033	5.9	.675	.220	.230	1.20	93	1,230	12,600
JUN 14...	--	<.030	3.33	3.34	<.020	<.20	.291	.095	.077	.140	90	44	12

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07191220 SPAVINAW CREEK NEAR SYCAMORE, OK

LOCATION.--Lat 36°20'05", long 94°38'29", in NE ¼ NW ¼ sec.4, T.21 N., R.25 E., Delaware County, Hydrologic Unit 11070209, on right bank 1.8 mi upstream from Cherokee Creek, 4.8 mi northeast of Row, 6.5 mi southeast of Sycamore, and at mile 35.0.

DRAINAGE AREA.--133 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WSP 2121: 1965 (M).

GAGE.--Water-stage recorder. Datum of gage is 868.34 ft NAVD of 1988. Prior to Nov. 6, 2001, elevation published as 875 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharge. Records poor. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to local residents, a flood of approximately the same magnitude as the July 27, 1975 flood occurred in the early 1880's.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 5	1500	*3,900	*10.12	Jan 13	0500	3,140	9.39

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

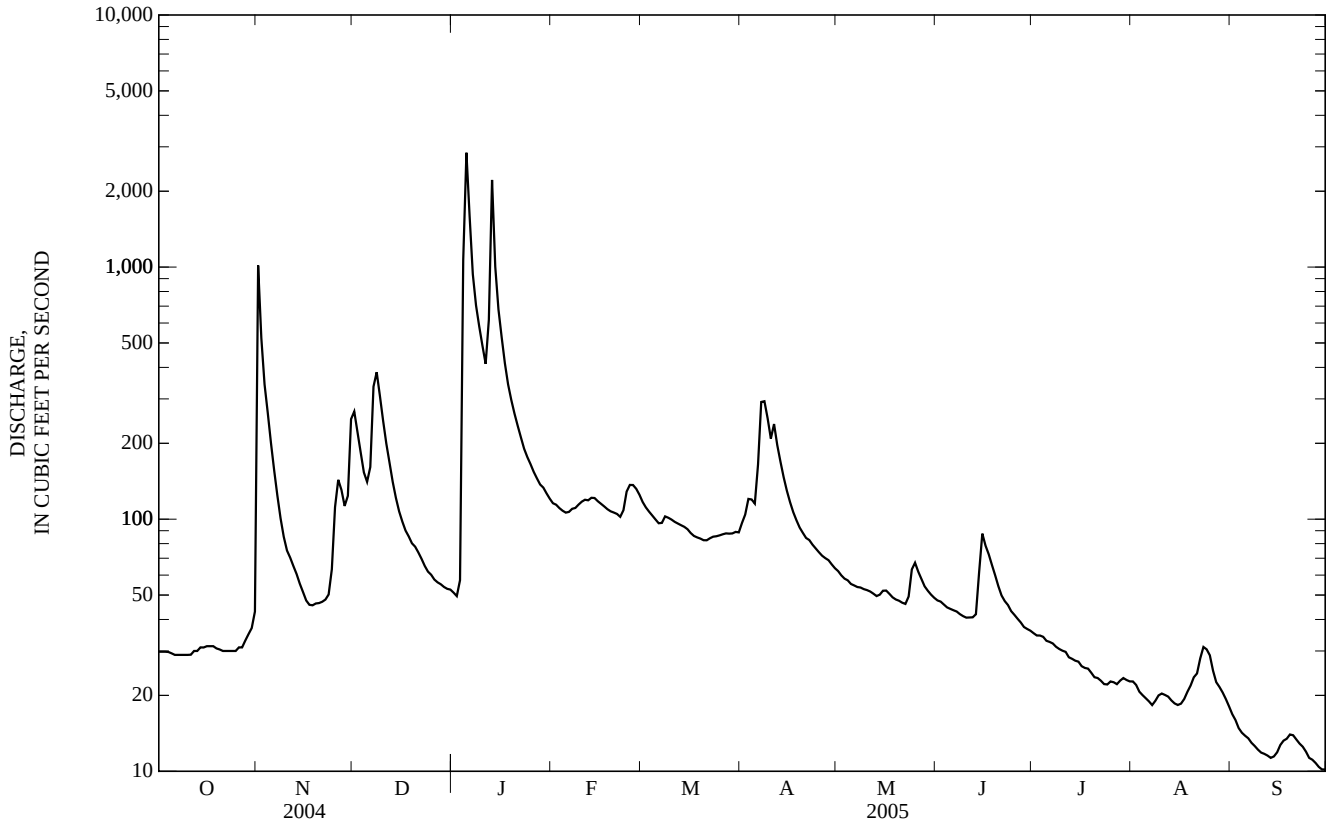
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	1,010	267	51	116	117	97	62	48	35	23	17
2	30	523	222	50	114	111	104	60	47	35	22	16
3	30	343	184	57	111	107	120	58	46	35	21	15
4	30	264	153	1,070	108	103	120	57	45	34	20	14
5	29	201	141	2,840	106	100	115	55	44	33	19	14
6	29	156	161	1,590	107	96	165	55	44	33	19	14
7	29	124	336	936	110	97	292	54	43	32	18	13
8	29	101	383	705	111	103	294	54	42	31	19	13
9	29	85	309	581	114	101	251	53	41	31	20	12
10	29	75	246	488	117	100	209	52	41	30	20	12
11	29	70	199	413	119	98	238	52	41	30	20	12
12	30	65	168	618	119	96	197	51	41	28	20	12
13	30	61	141	2,220	122	95	169	50	42	28	19	11
14	31	55	121	1,000	121	93	147	50	62	27	19	11
15	31	51	107	680	118	91	130	52	88	27	18	12
16	31	48	98	526	115	88	117	52	78	26	19	13
17	31	46	90	416	112	86	107	51	73	26	19	13
18	31	46	85	343	110	85	99	49	66	26	21	13
19	31	46	80	297	107	84	93	48	60	25	22	14
20	30	46	78	262	106	83	88	47	54	24	24	14
21	30	47	74	235	105	82	84	47	50	23	24	13
22	30	48	70	211	102	84	83	46	47	23	28	13
23	30	50	65	190	109	85	79	49	46	22	31	13
24	30	63	62	176	129	86	77	63	43	22	30	12
25	30	112	60	165	137	86	74	67	42	23	29	11
26	31	143	58	154	137	87	72	62	40	23	25	11
27	31	131	56	145	132	88	70	58	39	22	23	11
28	33	113	55	137	125	88	69	54	37	23	22	10
29	35	124	54	133	---	88	66	52	37	23	21	10
30	37	249	53	127	---	89	64	50	36	23	19	10
31	43	---	53	121	---	89	---	49	---	23	18	---
TOTAL	959	4,496	4,229	16,937	3,239	2,886	3,890	1,659	1,463	846	672	379
MEAN	30.9	150	136	546	116	93.1	130	53.5	48.8	27.3	21.7	12.6
MAX	43	1,010	383	2,840	137	117	294	67	88	35	31	17
MIN	29	46	53	50	102	82	64	46	36	22	18	10
AC-FT	1,900	8,920	8,390	33,590	6,420	5,720	7,720	3,290	2,900	1,680	1,330	752
CFSM	0.23	1.13	1.03	4.11	0.87	0.70	0.97	0.40	0.37	0.21	0.16	0.09
IN.	0.27	1.26	1.18	4.74	0.91	0.81	1.09	0.46	0.41	0.24	0.19	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

	MEAN	55.5	110	123	114	128	186	195	151	149	74.1	32.6	48.3
	MAX	382	683	585	546	480	563	600	550	880	483	106	248
	(WY)	(1987)	(1974)	(1993)	(2005)	(2001)	(1973)	(1973)	(1990)	(1974)	(1975)	(2004)	(1986)
MIN	4.84	8.56	10.5	9.34	12.4	12.7	21.7	19.0	14.5	10.1	6.27	5.75	
(WY)	(1964)	(1964)	(1967)	(1981)	(1964)	(1967)	(1981)	(1967)	(1972)	(1966)	(1980)	(1963)	

07191220 SPAVINAW CREEK NEAR SYCAMORE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	58,862		41,655		114	
ANNUAL MEAN	161		114		265	
HIGHEST ANNUAL MEAN					18.0	
LOWEST ANNUAL MEAN					11,700	
HIGHEST DAILY MEAN	6,300	Jul 3	2,840	Jan 5	1.3	Aug 9, 1964
LOWEST DAILY MEAN	29	Oct 5-11	10	Sep 28,29,30	1.6	Aug 3, 1964
ANNUAL SEVEN-DAY MINIMUM	29	Oct 5	11	Sep 24	39,800	Jul 27, 1975
MAXIMUM PEAK FLOW			3,900	Jan 5	22.07	Jul 27, 1975
MAXIMUM PEAK STAGE			10.12	Jan 5	82,350	
ANNUAL RUNOFF (AC-FT)	116,800		82,620		0.855	
ANNUAL RUNOFF (CFMS)	1.21		0.858		11.61	
ANNUAL RUNOFF (INCHES)	16.46		11.65		229	
10 PERCENT EXCEEDS	301		200		55	
50 PERCENT EXCEEDS	80		55		15	
90 PERCENT EXCEEDS	36		19			



07191220 SPAVINAW CREEK NEAR SYCAMORE, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1972 to April 1988, December 2001 to current year.

REMARKS.--Three event samples collected by USGS. All water-quality samples were analyzed at City of Tulsa Quality Assurance Laboratory, Tulsa, Oklahoma. Specific conductance, pH, water temperature, air temperature, and dissolved oxygen were determined in the field.

COOPERATION.--All analytical records were furnished by City of Tulsa, Tulsa, Oklahoma.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
NOV 01...	1600	1028	99999	1,010	--	731	6.6	8.4	91	7.5	256	20.0	17.4
JAN 05...	1440	1028	99999	3,860	--	735	4.6	10.5	97	7.4	176	.3	10.2
JUN 15...	1115	1028	99999	89	1.7	740	12	9.7	108	7.4	326	29.7	19.0

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

Date	ANC, wat unfl- xed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 01...	100	--	<.038	4.45	4.46	<.033	.49	.583	.190	.190	.240	89	70
JAN 05...	57	.10	.080	4.48	4.51	<.033	4.8	.705	.230	.250	1.20	92	1,090
JUN 15...	150	--	<.030	3.83	3.85	<.020	<.20	.307	.100	.100	.110	91	28

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

Date	Sus- pended sedi- ment dis- charge, tons/d (80155)
NOV 01...	191
JAN 05...	11,400
JUN 15...	6.7

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071912213 SPAVINAW CREEK NEAR COLCORD, OK

LOCATION.--Lat 36°19'21", long 94°41'06", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.21 N., R.24 E., Delaware County, Hydrologic Unit 11070209, on left upstream end of country road bridge, .7 mi downstream from Hog Eye Creek, 4.1 mi north of Colcord, Ok, and at mile 31.7.

DRAINAGE AREA.--163 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 2121: 1965 (M).

GAGE.--Water-stage recorder. Datum of gage is 840.48 ft NAVD of 1988.

REMARKS.--Records fair except for estimated periods which are poor. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e37	1,740	320	84	144	149	127	100	66	47	37	31
2	e35	650	273	82	143	145	135	98	62	44	35	28
3	e36	397	236	96	144	141	146	93	60	43	33	27
4	e36	308	209	1,500	143	138	145	91	56	43	31	25
5	e37	263	201	4,340	139	136	137	90	54	41	32	23
6	e35	214	215	2,140	140	129	176	89	53	39	30	22
7	e34	181	383	1,080	141	133	296	87	51	39	28	22
8	e33	157	445	767	144	133	306	86	49	38	29	20
9	e36	141	374	611	155	130	263	86	47	36	31	18
10	e36	133	307	508	155	129	226	85	47	36	31	17
11	e34	131	254	438	155	128	251	86	46	35	30	17
12	e34	123	221	e1,030	154	128	224	84	46	34	29	16
13	e34	117	198	3,180	159	127	201	80	47	33	27	17
14	e35	110	182	1,120	160	123	182	81	64	34	27	20
15	e36	104	167	677	158	121	166	82	92	35	28	21
16	e36	101	157	489	158	122	153	79	83	35	30	21
17	e36	99	149	401	152	118	143	74	82	33	31	24
18	e35	103	142	343	152	116	138	73	78	31	33	27
19	e35	105	138	305	150	116	133	75	73	31	35	28
20	e34	108	133	273	148	112	128	74	66	30	42	29
21	e37	110	129	243	151	112	121	72	60	29	49	28
22	e38	111	124	220	146	115	118	70	55	28	58	27
23	e38	116	118	200	150	119	116	80	51	28	64	26
24	e40	135	112	190	170	117	115	96	49	28	61	25
25	e39	178	109	184	181	118	112	98	49	30	55	24
26	e50	203	104	174	174	119	111	92	46	31	50	23
27	e55	196	100	164	164	119	109	85	44	37	48	22
28	e60	182	95	159	156	116	105	80	43	36	45	20
29	e63	194	89	158	---	116	103	74	42	37	42	21
30	e72	306	88	155	---	117	101	69	41	38	39	20
31	e81	---	86	152	---	116	---	68	---	37	35	---
TOTAL	1,277	7,016	5,858	21,463	4,286	3,858	4,787	2,577	1,702	1,096	1,175	689
MEAN	41.2	234	189	692	153	124	160	83.1	56.7	35.4	37.9	23.0
MAX	81	1,740	445	4,340	181	149	306	100	92	47	64	31
MIN	33	99	86	82	139	112	101	68	41	28	27	16
AC-FT	2,530	13,920	11,620	42,570	8,500	7,650	9,500	5,110	3,380	2,170	2,330	1,370

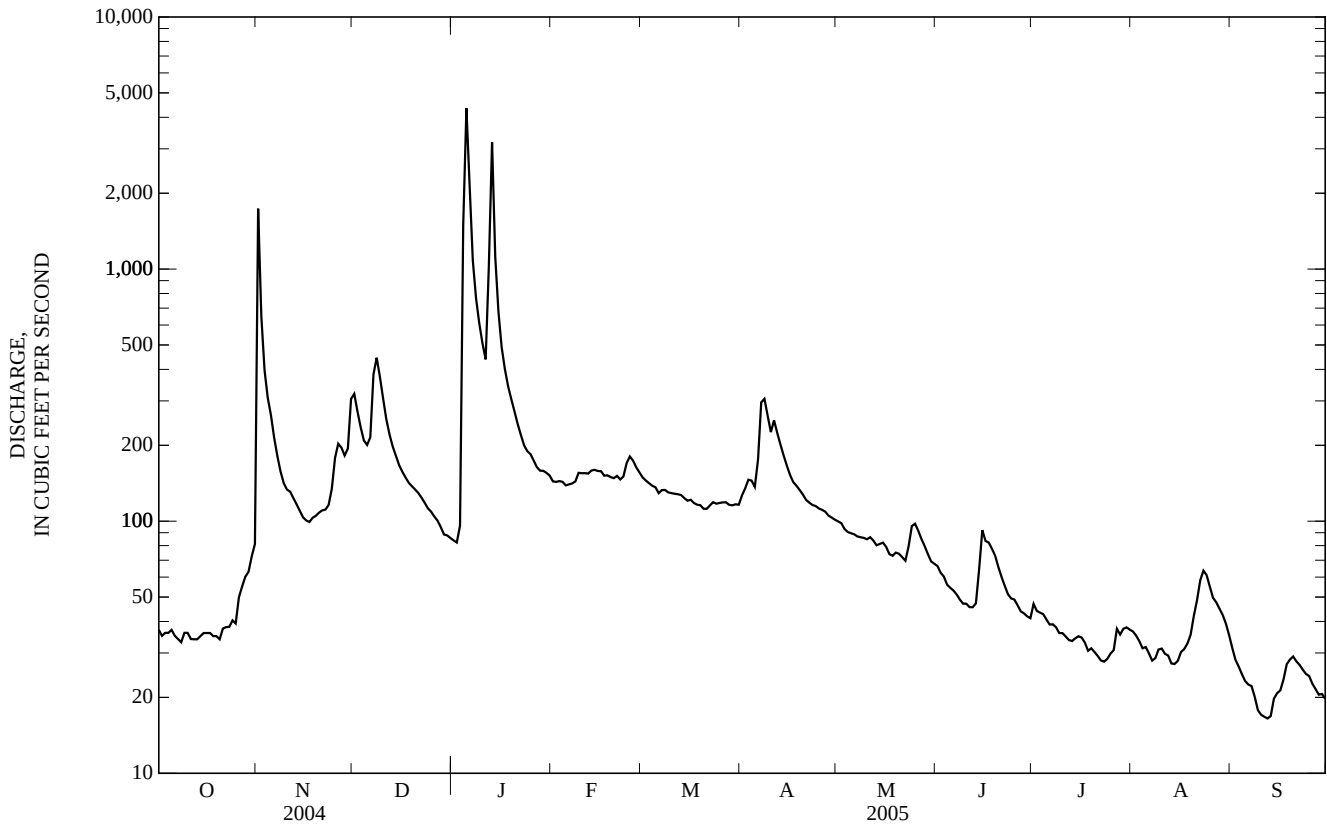
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	37.0	89.8	111	235	110	190	213	206	87.8	174	56.5	36.2
MAX	59.4	234	189	692	153	388	416	309	157	569	134	58.1
(WY)	(2002)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2002)	(2002)	(2004)	(2004)	(2004)
MIN	23.5	30.8	36.3	42.8	54.3	89.9	59.0	83.1	56.7	35.3	19.5	22.8
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2003)	(2003)	(2002)

e Estimated

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	79,637		55,784		129	
ANNUAL MEAN	218		153		189	
HIGHEST ANNUAL MEAN					54.5	
LOWEST ANNUAL MEAN					7,720	
HIGHEST DAILY MEAN	7,720	Jul 3	4,340	Jan 5	7,720	Jul 3, 2004
LOWEST DAILY MEAN	33	Oct 8	16	Sep 12	12	Aug 26, 2003
ANNUAL SEVEN-DAY MINIMUM	34	Oct 7	18	Sep 8	14	Aug 22, 2003
MAXIMUM PEAK FLOW			5,700		16,600	
MAXIMUM PEAK STAGE			12.86		19.37	
ANNUAL RUNOFF (AC-FT)	158,000		110,600		93,710	
10 PERCENT EXCEEDS	372		230		220	
50 PERCENT EXCEEDS	118		92		72	
90 PERCENT EXCEEDS	50		29		25	



071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 2004 to current year.

pH: November 2004 to current year.

WATER TEMPERATURE: November 2004 to current year.

DISSOLVED OXYGEN: November 2004 to current year.

TURBIDITY: November 2004 to current year.

INSTRUMENTATION.--Water-quality monitor since November 2004.

REMARKS.--Interruptions in record were due to malfunctions of the recording instrument. Three event samples collected by USGS. All water-quality samples were analyzed at City of Tulsa Quality Assurance Laboratory, Tulsa, Oklahoma. Specific conductance, pH, water temperature, air temperature, and dissolved oxygen were determined in the field.

COOPERATION.--All analytical records were furnished by City of Tulsa, Tulsa, Oklahoma.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum, 365 microsiemens, Aug. 25, 26; minimum, 165 microsiemens, Jan. 13.

pH: Maximum, 8.5 standard units, Mar. 14, 16; minimum, 7.4 standard units, many days.

WATER TEMPERATURE: Maximum, 24.7°C, Aug. 19; minimum, 8.5°C, Jan. 23.

DISSOLVED OXYGEN: Maximum, 14.2 mg/l, Feb. 10, 11; minimum, 4.5 mg/l, July 22-24.

TURBIDITY: Maximum, >330 NTU, several days; minimum, 0.0 NTU, many days.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
NOV 01...	1730	1028	99999	1,280	--	730	10	8.2	89	7.4	248	20.0	17.4
JAN 05...	1430	1028	99999	5,700	400	736	4.3	10.5	97	7.4	172	.3	10.2
JUN 15...	1350	1028	99999	90	1.9	741	7.0	10.6	122	7.7	323	30.0	20.6

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

Date	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
NOV 01...	130	--	<.038	4.09	4.11	<.033	.57	.552	.180	.180	.190	88	114
JAN 05...	59	.11	.087	4.50	4.52	<.033	5.1	.705	.230	.260	1.10	99	43
JUN 15...	170	--	<.030	3.61	3.63	.024	<.20	.248	.081	.100	.150	93	30

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

Date	Suspended sediment discharge, tons/d (80155)
NOV 01...	394
JAN 05...	662
JUN 15...	7.3

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	305	302	305	324	320	322
2	---	---	---	---	---	---	305	304	305	325	319	323
3	---	---	---	---	---	---	307	295	305	324	316	320
4	---	---	---	---	---	---	308	306	307	324	199	253
5	---	---	---	---	---	---	309	303	307	219	175	193
6	---	---	---	---	---	---	307	298	304	237	205	225
7	---	---	---	---	---	---	300	281	291	250	236	244
8	---	---	---	---	---	---	290	287	289	258	250	254
9	---	---	---	---	---	---	292	290	291	265	258	261
10	---	---	---	---	---	---	295	292	294	270	265	267
11	---	---	---	---	---	---	298	294	296	274	270	272
12	---	---	---	---	---	---	300	298	299	---	---	---
13	---	---	---	---	---	---	302	299	301	207	165	185
14	---	---	---	---	---	---	304	301	302	224	207	217
15	---	---	---	---	---	---	305	302	304	233	224	229
16	---	---	---	318	317	317	306	299	305	238	233	235
17	---	---	---	319	317	318	308	305	306	243	238	241
18	---	---	---	319	316	317	310	301	307	248	243	245
19	---	---	---	319	310	318	310	308	309	251	248	249
20	---	---	---	320	318	319	313	309	311	255	251	253
21	---	---	---	320	317	319	314	310	312	257	255	256
22	---	---	---	321	319	320	314	312	313	260	257	258
23	---	---	---	322	320	321	316	313	315	262	260	261
24	---	---	---	321	318	320	317	313	315	263	262	263
25	---	---	---	321	319	320	318	314	316	265	263	264
26	---	---	---	321	319	320	319	316	318	269	265	267
27	---	---	---	320	318	319	320	316	318	271	269	270
28	---	---	---	321	317	319	321	315	319	272	270	271
29	---	---	---	320	311	315	322	318	320	273	271	272
30	---	---	---	311	305	308	322	318	321	274	273	274
31	---	---	---	---	---	---	323	319	321	275	274	275
FEBRUARY			MARCH			APRIL			MAY			
1	276	275	276	287	282	285	301	297	299	302	296	299
2	277	275	276	286	282	285	301	296	299	303	297	300
3	278	276	277	286	281	284	301	296	299	303	298	300
4	279	276	278	287	282	285	301	297	299	303	298	301
5	280	277	278	287	281	285	301	292	299	304	299	302
6	280	276	278	288	282	286	298	281	292	305	300	303
7	281	280	280	288	282	285	286	279	282	306	300	303
8	282	279	281	289	283	286	280	278	279	307	300	304
9	283	280	281	289	284	287	281	279	280	307	303	305
10	283	280	282	290	283	287	283	281	282	309	303	306
11	283	280	282	290	283	288	283	249	274	309	305	307
12	283	281	282	291	284	288	279	276	277	310	305	308
13	284	281	283	291	284	289	280	278	279	311	307	309
14	285	281	283	292	284	289	282	280	281	310	304	307
15	285	282	284	292	286	290	283	281	282	311	307	309
16	285	283	284	293	285	290	285	282	283	312	308	310
17	286	283	285	293	287	291	287	283	285	313	308	311
18	286	282	285	295	287	292	288	284	287	314	309	311
19	287	284	286	295	287	292	290	285	288	315	310	312
20	288	284	286	296	287	293	291	286	289	315	308	312
21	288	284	286	296	291	294	292	288	290	316	311	314
22	289	282	286	297	292	295	293	290	292	316	311	314
23	286	280	283	299	294	297	294	290	292	316	298	306
24	287	284	285	299	295	297	296	291	294	319	314	317
25	---	---	---	300	296	298	297	292	295	318	314	316
26	---	---	---	301	298	300	297	292	295	319	314	317
27	---	---	---	302	298	300	298	294	296	322	315	317
28	---	---	---	303	299	301	298	293	296	324	314	319
29	---	---	---	303	299	301	300	297	298	320	314	317
30	---	---	---	304	299	302	301	296	299	320	315	318
31	---	---	---	304	299	302	---	---	---	322	308	317

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	320	310	316	329	310	320	346	339	343	362	354	358
2	322	316	319	329	322	326	347	339	344	361	353	358
3	322	316	319	331	323	327	348	332	344	361	353	357
4	322	317	320	331	323	327	348	340	344	360	352	357
5	321	317	319	332	324	328	349	333	343	360	354	357
6	323	318	320	332	324	329	346	338	342	360	351	356
7	323	317	321	334	324	329	348	338	344	359	350	355
8	325	319	322	333	324	329	349	339	344	359	350	355
9	325	319	322	333	323	329	350	341	346	359	350	355
10	327	320	323	334	325	330	351	339	346	358	351	355
11	327	319	323	332	325	329	351	342	347	359	349	355
12	327	312	324	334	325	330	353	344	349	359	349	355
13	322	312	319	336	326	331	354	344	349	358	350	355
14	330	319	326	336	320	330	352	340	346	355	346	349
15	329	326	328	334	327	331	349	335	342	352	346	350
16	330	324	326	337	328	333	348	334	344	356	349	353
17	329	313	321	339	330	334	353	338	349	357	351	354
18	325	318	322	339	331	335	354	346	350	359	352	356
19	325	320	322	339	327	334	355	347	352	361	355	358
20	325	319	323	338	331	334	356	334	348	362	354	358
21	326	319	323	340	333	337	351	333	347	362	355	358
22	326	320	323	341	334	338	355	345	351	362	355	359
23	327	320	324	342	337	340	361	355	358	363	355	359
24	327	320	324	343	335	339	363	358	361	363	356	360
25	327	321	324	343	336	340	365	358	362	363	356	360
26	328	321	324	344	328	340	365	357	361	364	354	360
27	329	320	325	336	327	332	364	354	360	363	356	360
28	329	321	325	341	335	338	364	356	360	363	355	360
29	330	321	326	344	337	341	363	355	360	363	355	359
30	331	321	326	345	338	342	362	354	359	361	355	358
31	---	---	---	346	339	342	362	355	358	---	---	---

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	7.8	7.7	7.8	7.9	7.6	7.8
2	---	---	---	---	---	---	7.8	7.7	7.8	7.8	7.6	7.7
3	---	---	---	---	---	---	7.9	7.7	7.8	7.8	7.6	7.7
4	---	---	---	---	---	---	7.9	7.8	7.8	7.7	7.5	7.6
5	---	---	---	---	---	---	7.8	7.8	7.8	7.5	7.4	7.4
6	---	---	---	---	---	---	7.9	7.6	7.7	7.5	7.4	7.5
7	---	---	---	---	---	---	7.7	7.6	7.6	7.6	7.5	7.5
8	---	---	---	---	---	---	7.7	7.6	7.6	7.6	7.5	7.6
9	---	---	---	---	---	---	7.8	7.6	7.6	7.5	7.5	7.5
10	---	---	---	---	---	---	7.8	7.6	7.6	7.5	7.5	7.5
11	---	---	---	---	---	---	7.8	7.6	7.7	7.5	7.5	7.5
12	---	---	---	---	---	---	7.8	7.6	7.7	---	---	---
13	---	---	---	---	---	---	7.8	7.7	7.7	---	---	---
14	---	---	---	---	---	---	7.9	7.7	7.7	7.6	7.5	7.5
15	---	---	---	---	---	---	7.9	7.7	7.7	7.6	7.5	7.6
16	---	---	---	7.7	7.6	7.7	7.9	7.7	7.7	7.6	7.6	7.6
17	---	---	---	7.8	7.6	7.7	7.9	7.7	7.8	7.6	7.6	7.6
18	---	---	---	7.7	7.6	7.7	7.9	7.7	7.8	7.6	7.6	7.6
19	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8	7.7	7.6	7.6
20	---	---	---	7.8	7.6	7.7	8.0	7.8	7.8	7.7	7.6	7.6
21	---	---	---	7.8	7.7	7.7	8.0	7.7	7.8	7.7	7.6	7.7
22	---	---	---	7.8	7.7	7.7	7.9	7.7	7.8	7.7	7.7	7.7
23	---	---	---	7.8	7.7	7.7	8.0	7.8	7.8	7.7	7.7	7.7
24	---	---	---	7.9	7.7	7.8	8.0	7.8	7.8	7.7	7.7	7.7
25	---	---	---	7.9	7.7	7.8	8.0	7.8	7.8	7.8	7.7	7.7
26	---	---	---	7.9	7.7	7.7	8.0	7.8	7.8	7.9	7.7	7.8
27	---	---	---	7.9	7.7	7.7	8.1	7.8	7.8	7.9	7.8	7.8
28	---	---	---	7.9	7.7	7.8	8.1	7.8	7.8	7.9	7.8	7.8
29	---	---	---	7.8	7.7	7.7	8.0	7.8	7.8	7.9	7.8	7.8
30	---	---	---	7.8	7.7	7.7	8.1	7.8	7.8	7.9	7.8	7.8
31	---	---	---	---	---	---	8.1	7.8	7.8	7.9	7.8	7.8
FEBRUARY			MARCH			APRIL			MAY			
1	8.0	7.8	7.8	8.3	7.7	7.8	8.0	7.7	7.7	7.9	7.6	7.7
2	8.0	7.8	7.8	8.3	7.7	7.8	8.0	7.7	7.7	7.9	7.6	7.7
3	8.0	7.8	7.8	8.3	7.7	7.8	8.0	7.7	7.8	7.9	7.6	7.7
4	8.0	7.8	7.8	8.4	7.7	7.8	8.1	7.7	7.8	7.9	7.6	7.7
5	8.1	7.8	7.8	8.4	7.7	7.8	8.0	7.7	7.7	7.9	7.6	7.7
6	8.0	7.8	7.8	8.4	7.7	7.8	7.9	7.6	7.7	7.9	7.6	7.7
7	8.0	7.8	7.8	8.3	7.7	7.8	7.8	7.6	7.7	7.9	7.6	7.7
8	8.1	7.8	7.8	8.4	7.7	7.9	7.9	7.6	7.7	7.8	7.6	7.6
9	8.1	7.8	7.9	8.3	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.6
10	8.2	7.8	7.9	8.4	7.7	7.9	7.9	7.6	7.7	7.8	7.6	7.6
11	8.2	7.8	7.9	8.4	7.8	7.9	7.9	7.6	7.7	7.8	7.6	7.6
12	8.1	7.8	7.8	8.4	7.7	7.9	7.9	7.6	7.7	7.8	7.6	7.6
13	8.2	7.8	7.8	8.4	7.8	7.9	7.9	7.6	7.7	7.8	7.6	7.6
14	8.2	7.8	7.9	8.5	7.8	7.9	8.0	7.7	7.7	7.8	7.6	7.6
15	8.3	7.8	7.9	8.3	7.7	7.8	8.0	7.7	7.8	7.8	7.6	7.7
16	8.3	7.9	8.0	8.5	7.8	7.9	8.0	7.7	7.7	7.8	7.6	7.7
17	8.3	7.9	8.0	8.4	7.7	7.8	8.0	7.7	7.8	7.8	7.6	7.7
18	8.4	7.9	8.0	8.4	7.7	7.8	8.0	7.7	7.8	7.8	7.6	7.7
19	8.2	7.9	7.9	8.4	7.7	7.9	8.0	7.7	7.8	7.8	7.6	7.6
20	8.3	7.9	7.9	8.4	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.6
21	8.4	7.9	8.0	8.1	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.6
22	8.3	7.8	7.9	8.0	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.6
23	8.0	7.7	7.8	8.1	7.7	7.8	8.0	7.6	7.7	7.7	7.6	7.6
24	8.1	7.7	7.8	8.1	7.7	7.8	8.0	7.6	7.7	7.7	7.5	7.6
25	---	---	---	8.1	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.7
26	---	---	---	8.0	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.7
27	---	---	---	8.1	7.8	7.8	7.9	7.6	7.7	7.8	7.6	7.7
28	---	---	---	8.2	7.8	7.8	7.9	7.6	7.7	7.8	7.6	7.7
29	---	---	---	8.2	7.7	7.8	7.8	7.6	7.7	7.8	7.6	7.7
30	---	---	---	8.2	7.7	7.8	7.9	7.6	7.7	7.8	7.6	7.7
31	---	---	---	8.1	7.7	7.8	---	---	---	7.8	7.6	7.7

ARKANSAS RIVER BASIN

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.8	7.6	7.7	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
2	7.8	7.6	7.7	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
3	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
4	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
5	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
6	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
7	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
8	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
9	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
10	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
11	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
12	7.8	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
13	7.7	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
14	7.7	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.4	7.4	7.4
15	7.8	7.6	7.7	7.6	7.4	7.5	7.6	7.5	7.5	7.5	7.4	7.4
16	7.8	7.6	7.7	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
17	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.6	7.4	7.5
18	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
19	7.7	7.5	7.6	7.6	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.4
20	7.7	7.5	7.6	7.7	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.4
21	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.5	7.5	7.5	7.4	7.4
22	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.4
23	7.7	7.5	7.6	7.5	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.4
24	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.4
25	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.4
26	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.4	7.5	7.4	7.4
27	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.4	7.5	7.5	7.4	7.5
28	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.4	7.4	7.5	7.4	7.5
29	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.4	7.5	7.6	7.4	7.5
30	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.4	7.5	7.6	7.5	7.5
31	---	---	---	7.6	7.5	7.5	7.6	7.4	7.5	---	---	---

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	14.0	12.5	13.1	13.5	12.5	13.0
2	---	---	---	---	---	---	14.0	12.6	13.1	13.6	12.8	13.2
3	---	---	---	---	---	---	13.9	12.3	12.9	13.4	12.4	13.1
4	---	---	---	---	---	---	14.0	12.2	13.0	12.4	10.5	11.4
5	---	---	---	---	---	---	13.7	12.5	13.2	11.4	9.9	10.3
6	---	---	---	---	---	---	14.3	13.5	13.9	10.2	9.5	9.8
7	---	---	---	---	---	---	14.1	12.9	13.6	10.6	9.7	10.2
8	---	---	---	---	---	---	13.6	12.6	13.1	11.4	10.4	10.8
9	---	---	---	---	---	---	14.2	13.0	13.5	12.0	10.6	11.2
10	---	---	---	---	---	---	13.2	12.6	12.9	12.3	11.0	11.7
11	---	---	---	---	---	---	13.5	12.2	12.8	12.3	11.8	12.1
12	---	---	---	---	---	---	13.8	12.4	12.9	---	---	---
13	---	---	---	---	---	---	12.9	11.7	12.3	---	---	---
14	---	---	---	---	---	---	12.4	11.1	11.6	11.0	10.3	10.6
15	---	---	---	---	---	---	12.2	10.7	11.4	10.9	9.9	10.3
16	---	---	---	16.6	16.0	16.3	12.7	11.3	11.9	10.3	9.4	9.8
17	---	---	---	17.2	16.0	16.5	12.8	11.0	11.8	10.4	9.2	9.7
18	---	---	---	16.6	16.0	16.3	12.7	11.3	11.9	10.4	9.3	9.8
19	---	---	---	16.3	15.6	16.0	11.7	10.7	11.2	11.3	9.6	10.3
20	---	---	---	16.4	15.5	15.9	12.2	10.6	11.3	11.7	9.8	10.6
21	---	---	---	15.7	15.3	15.5	12.2	10.9	11.5	11.8	9.9	10.7
22	---	---	---	16.0	15.5	15.7	11.3	9.7	10.5	10.8	9.0	9.9
23	---	---	---	16.4	15.9	16.1	10.3	9.3	9.8	10.1	8.5	9.2
24	---	---	---	16.1	14.2	14.9	10.4	9.1	9.8	10.9	8.9	9.7
25	---	---	---	15.3	13.7	14.4	10.9	9.4	10.0	11.6	9.3	10.2
26	---	---	---	15.2	14.1	14.6	11.6	9.6	10.5	11.6	9.6	10.4
27	---	---	---	15.0	13.8	14.7	11.4	9.9	10.7	10.8	9.9	10.3
28	---	---	---	14.5	13.3	13.9	12.1	10.5	11.2	10.3	10.0	10.1
29	---	---	---	14.4	14.1	14.2	12.3	11.2	11.8	10.3	9.8	10.1
30	---	---	---	14.1	13.0	13.6	13.3	12.0	12.6	10.6	9.9	10.2
31	---	---	---	---	---	---	13.7	12.2	12.9	10.6	10.2	10.4
	FEBRUARY			MARCH			APRIL			MAY		
1	11.0	10.1	10.4	11.9	9.1	10.3	12.9	11.1	12.0	15.0	12.3	13.6
2	10.3	9.7	10	12.5	9.4	10.6	14.6	10.3	12.2	14.6	12.6	13.5
3	11.4	9.7	10.3	12.6	9.8	11.0	14.9	10.9	12.6	16.2	11.9	13.9
4	11.7	9.1	10.2	13.2	10.0	11.3	15.8	11.8	13.4	16.1	12.4	14.2
5	11.8	9.5	10.5	13.0	10.1	11.3	14.2	12.7	13.3	15.8	13.4	14.5
6	11.0	10.5	10.8	13.1	10.0	11.4	13.3	12.2	12.7	17.1	13.4	15.1
7	11.1	10.2	10.8	12.1	10.6	11.5	13.1	12.4	12.7	16.5	13.6	15.1
8	11.0	10.0	10.4	12.8	9.7	11.1	15.1	12.3	13.4	15.4	14.4	14.8
9	10.8	9.4	10	11.5	10.1	10.9	15.8	12.2	13.8	17.9	14.1	15.6
10	11.4	8.9	9.9	12.6	9.6	10.9	15.3	12.9	13.9	18.6	14.4	16.3
11	11.9	9.1	10.2	12.9	9.9	11.2	15.3	13.1	13.8	19.1	15.1	16.9
12	10.7	9.8	10.3	14.3	10.4	12.0	13.9	12.6	13.1	18.6	15.0	16.7
13	12.6	10.5	11.3	12.3	10.2	11.0	13.3	12.3	12.7	17.6	15.5	16.5
14	12.6	10.0	11.2	13.0	9.6	11.1	15.7	11.8	13.4	18.7	15.4	16.7
15	13.3	10.7	11.7	11.2	10.4	10.8	16.1	12.1	13.8	17.7	14.3	16.0
16	11.0	10.1	10.5	12.3	10.0	10.9	16.4	12.4	14.1	18.3	14.0	16.0
17	12.1	9.8	10.7	13.3	9.3	11.1	16.1	12.8	14.2	18.8	14.5	16.5
18	11.9	9.4	10.5	13.7	10.3	11.7	15.6	13.0	14.1	18.8	15.2	16.8
19	10.9	10.6	10.7	13.5	10.2	11.6	15.4	13.3	14.3	19.6	15.9	17.6
20	13.5	10.8	11.9	14.2	10.2	11.9	17.2	13.7	15.1	20.2	16.1	17.9
21	13.0	10.8	11.7	12.4	11.3	11.8	16.5	13.8	15.0	20.0	16.0	17.9
22	12.7	10.3	11.3	12.1	11.0	11.5	14.9	13.4	14.1	19.2	16.4	17.8
23	11.0	10.4	10.6	11.3	10.4	10.8	16.0	12.5	13.9	19.2	16.6	17.7
24	11.8	10.2	10.8	12.1	10.0	11.0	16.1	12.0	13.8	17.4	15.9	16.4
25	---	---	---	11.7	11.0	11.3	14.2	12.9	13.5	18.9	15.3	16.9
26	---	---	---	11.1	10.6	10.9	15.3	12.7	13.9	17.9	15.8	16.7
27	---	---	---	11.1	10.2	10.7	16.2	12.2	14.0	16.5	15.3	16.0
28	---	---	---	14.3	9.6	11.7	16.4	13.2	14.6	18.8	14.9	16.8
29	---	---	---	14.1	11.1	12.4	14.7	13.0	13.7	19.4	15.8	17.5
30	---	---	---	15.0	11.7	13.0	16.2	12.3	14.0	19.0	16.0	17.4
31	---	---	---	13.9	10.6	12.2	---	---	---	19.1	16.1	17.6

ARKANSAS RIVER BASIN

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.8	16.7	17.2	21.8	19.6	20.7	23.8	21.1	22.5	23.2	21.0	22.2
2	19.9	16.3	17.9	22.3	19.2	20.7	23.9	21.5	22.7	23.2	21.3	22.4
3	20.2	16.8	18.5	22.9	19.5	21.1	24.2	21.7	22.9	22.9	21.6	22.3
4	19.8	17.5	18.5	22.3	20.0	21.1	24.3	21.8	23.1	22.9	21.0	22.0
5	20.1	17.2	18.5	21.6	19.7	20.7	23.7	22.0	23.0	22.8	21.0	22.0
6	20.6	17.6	19.0	22.1	19.5	20.8	23.5	21.6	22.5	22.9	20.9	21.9
7	20.1	17.5	18.8	22.5	19.6	21.0	24.0	21.3	22.7	23.0	21.1	22.1
8	21.5	17.8	19.5	22.7	19.8	21.3	24.3	21.9	23.1	22.8	21.3	22.1
9	21.3	18.1	19.6	22.9	19.9	21.4	24.2	21.9	23.1	22.8	21.3	22.1
10	21.1	18.3	19.6	22.7	20.3	21.5	24.4	22.1	23.2	22.7	21.1	22.1
11	21.0	18.4	19.5	21.9	20.2	21.2	24.3	22.1	23.2	22.7	21.2	22.0
12	21.5	18.2	19.8	22.9	20.1	21.4	24.3	22.1	23.3	22.7	21.4	22.1
13	21.0	18.5	19.7	23.3	20.6	21.9	24.0	22.2	23.2	23.2	21.3	22.3
14	20.8	17.6	19.2	22.3	20.6	21.4	23.5	21.9	22.4	23.1	21.8	22.2
15	21.5	17.4	19.2	22.7	20.3	21.4	22.5	21.5	22.0	22.1	21.2	21.7
16	20.6	18.1	19.1	23.4	20.6	22.0	23.0	21.5	22.2	21.8	20.6	21.2
17	20.9	18.1	19.3	23.1	21.1	22.1	23.6	21.5	22.5	21.6	19.7	20.8
18	21.4	17.9	19.4	23.4	21.0	22.2	24.5	21.9	23.1	22.4	20.7	21.5
19	21.5	17.8	19.5	23.2	21.1	22.3	24.7	22.0	23.4	23.3	21.2	22.2
20	21.5	17.9	19.6	24.1	21.2	22.6	23.9	21.9	22.7	23.5	21.6	22.5
21	21.5	18.1	19.7	24.3	21.6	22.9	23.9	21.2	22.4	23.4	21.5	22.4
22	22.0	18.4	20.1	24.5	21.6	23.1	22.7	21.3	22.0	23.1	21.4	22.4
23	21.9	18.6	20.2	23.7	22.0	22.8	22.5	21.0	21.6	23.0	21.4	22.3
24	22.0	18.8	20.4	24.2	21.2	22.6	23.8	20.9	22.2	22.6	21.3	21.8
25	21.8	19.0	20.4	24.2	21.8	23.0	23.9	21.4	22.6	22.9	21.3	22.0
26	21.8	19.1	20.5	24.2	21.8	23.0	24.0	21.5	22.8	22.4	21.3	21.9
27	22.3	19.3	20.8	23.4	21.3	22.0	23.8	21.7	22.8	22.1	20.7	21.4
28	22.6	19.5	21.0	23.3	20.2	21.6	23.6	21.6	22.6	22.1	20.8	21.5
29	22.9	19.7	21.3	23.4	20.4	21.9	23.8	21.3	22.5	21.3	19.6	20.2
30	23.0	20.0	21.5	23.6	20.7	22.1	23.6	21.4	22.5	20.4	18.8	19.6
31	---	---	---	23.6	20.8	22.2	23.3	20.9	22.2	---	---	---

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	10.3	9.2	9.6	11.5	9.1	10.0
2	---	---	---	---	---	---	10.3	9.3	9.6	11.1	9.1	9.8
3	---	---	---	---	---	---	10.4	9.3	9.6	10.7	9.1	9.7
4	---	---	---	---	---	---	10.4	9.2	9.6	---	---	---
5	---	---	---	---	---	---	9.7	9.0	9.3	---	---	---
6	---	---	---	---	---	---	10.2	8.8	9.3	---	---	---
7	---	---	---	---	---	---	10.2	8.8	9.4	---	---	---
8	---	---	---	---	---	---	10.4	9.2	9.6	---	---	---
9	---	---	---	---	---	---	10.4	9.2	9.6	---	---	---
10	---	---	---	---	---	---	10.4	9.2	9.6	---	---	---
11	---	---	---	---	---	---	10.7	9.4	9.8	---	---	---
12	---	---	---	---	---	---	10.7	9.4	9.8	---	---	---
13	---	---	---	---	---	---	11.0	9.5	10.1	---	---	---
14	---	---	---	---	---	---	11.3	9.8	10.4	---	---	---
15	---	---	---	---	---	---	11.4	10.0	10.5	---	---	---
16	---	---	---	---	---	---	11.5	9.9	10.4	---	---	---
17	---	---	---	9.5	7.9	8.5	11.6	9.9	10.5	---	---	---
18	---	---	---	9.2	7.8	8.3	11.7	9.9	10.5	---	---	---
19	---	---	---	9.3	8.0	8.5	11.9	9.9	10.7	---	---	---
20	---	---	---	9.8	7.9	8.7	11.8	9.9	10.6	---	---	---
21	---	---	---	9.1	8.1	8.4	12.1	9.9	10.7	---	---	---
22	---	---	---	9.2	8.1	8.5	11.8	10.0	10.7	---	---	---
23	---	---	---	9.2	7.9	8.4	12.5	10.5	11.2	---	---	---
24	---	---	---	9.7	7.9	8.7	12.5	10.6	11.3	---	---	---
25	---	---	---	10.0	8.5	9.1	12.5	10.6	11.2	---	---	---
26	---	---	---	10.0	8.5	9.0	12.6	10.5	11.2	---	---	---
27	---	---	---	9.9	8.4	9.0	12.9	10.5	11.3	12.6	11.8	12.1
28	---	---	---	10.3	8.8	9.3	11.8	9.6	10.8	12.6	11.9	12.1
29	---	---	---	9.4	8.7	8.9	11.3	9.2	10.0	12.7	11.9	12.2
30	---	---	---	9.6	8.8	9.1	11.6	9.1	10	12.9	11.9	12.3
31	---	---	---	---	---	---	11.9	9.1	10.1	12.9	11.9	12.2
MONTH	---	---	---	10.3	7.8	8.7	12.9	8.8	10.2	12.9	9.1	11.3
FEBRUARY			MARCH			APRIL			MAY			
1	13.3	11.9	12.4	---	---	---	12.2	9.6	10.7	10.6	8.0	9.1
2	13.2	12.0	12.4	---	---	---	12.7	9.8	11.0	10.8	7.9	9.2
3	13.6	12.0	12.6	---	---	---	12.5	9.7	10.9	10.6	8.2	9.2
4	13.7	12.0	12.7	---	---	---	12.5	9.5	10.7	10.6	8.0	9.1
5	13.9	11.8	12.6	---	---	---	11.9	9.2	10.2	10.5	7.8	8.9
6	13.1	11.7	12.2	---	---	---	11.4	9.3	10.1	10.7	7.8	9.0
7	13.1	11.4	12.1	---	---	---	10.9	9.6	10.1	10.5	7.7	8.9
8	13.9	11.8	12.5	---	---	---	11.6	9.3	10.4	9.8	7.5	8.4
9	14.0	11.8	12.6	---	---	---	11.6	9.4	10.3	10.3	7.6	8.7
10	14.2	12.0	12.8	---	---	---	11.6	9.2	10.1	10.2	7.5	8.6
11	14.2	11.8	12.7	---	---	---	11.0	9.2	9.8	10.0	7.3	8.5
12	13.4	11.4	12.2	---	---	---	11.3	9.2	10.1	10.1	7.3	8.5
13	13.7	11.2	12.1	---	---	---	11.5	9.4	10.2	10.0	7.3	8.4
14	14.0	11.2	12.2	---	---	---	11.7	9.4	10.4	10.0	7.4	8.5
15	13.6	11.0	12.0	---	---	---	11.9	9.4	10.4	10.2	7.6	8.7
16	13.8	11.1	12.1	---	---	---	11.8	9.1	10.3	10.2	7.8	8.8
17	13.8	11.0	12.1	---	---	---	11.9	9.0	10.2	13.1	7.7	9.7
18	13.9	10.8	12.1	13.4	9.4	11.0	11.6	8.8	10	11.6	8.9	10.3
19	12.8	10.5	11.3	13.8	9.5	11.3	11.5	8.6	9.8	10.7	8.3	9.4
20	13.2	10.3	11.4	13.9	9.7	11.4	10.9	7.8	9.3	10.4	8.0	9.0
21	13.4	10.2	11.4	12.5	9.4	10.5	10.0	7.5	8.6	10.1	7.8	8.8
22	---	---	---	12.6	9.6	10.6	9.8	7.3	8.6	10.0	7.6	8.7
23	---	---	---	13.3	9.9	11.2	10.3	7.8	8.9	9.8	7.6	8.5
24	---	---	---	13.3	10.3	11.5	10.4	7.9	9.0	9.3	7.7	8.5
25	---	---	---	13.3	10.0	11.3	10.1	7.7	8.6	10.1	8.1	9.0
26	---	---	---	12.7	10.3	11.2	10.3	7.6	8.8	10.3	8.0	9.0
27	---	---	---	13.4	10.6	11.7	10.4	7.8	8.9	9.8	8.2	9.0
28	---	---	---	13.7	10.5	12.0	10.4	7.7	8.8	10.3	8.0	9.1
29	---	---	---	13.9	10.4	11.8	9.4	7.5	8.4	10.1	7.9	8.9
30	---	---	---	13.5	10.2	11.6	10.3	8.0	9.0	10.1	7.7	8.8
31	---	---	---	13.2	9.7	11.5	---	---	---	10.2	7.8	8.8

ARKANSAS RIVER BASIN

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.0	7.5	8.6	9.5	5.9	7.3	9.2	5.2	6.9	8.6	5.1	6.6
2	10.1	7.7	8.8	9.8	5.9	7.6	9.3	5.0	6.9	8.6	5.0	6.5
3	10.1	7.4	8.6	9.8	5.8	7.5	9.4	5.1	6.9	8.3	4.8	6.4
4	10.0	7.2	8.4	9.6	5.7	7.3	9.7	5.0	6.9	8.4	4.9	6.5
5	9.9	7.2	8.4	9.6	5.8	7.6	9.3	4.9	6.7	8.5	5.0	6.5
6	9.9	7.2	8.5	9.5	5.8	7.5	9.6	4.9	6.9	8.8	5.0	6.7
7	10.2	7.2	8.5	9.9	5.7	7.6	9.8	5.2	7.1	9.0	5.0	6.7
8	9.8	7.1	8.4	9.8	5.6	7.5	9.4	5.0	6.9	8.7	5.0	6.7
9	9.9	6.9	8.2	9.7	5.5	7.4	9.5	5.0	7.0	9.0	4.9	6.7
10	9.8	6.9	8.2	9.6	5.4	7.3	9.7	5.0	7.1	9.0	5.0	6.7
11	9.9	6.9	8.2	9.3	5.3	7.2	9.6	5.0	7.0	9.0	4.9	6.7
12	10.0	6.9	8.3	9.6	5.5	7.4	9.4	5.0	6.9	9.0	4.8	6.6
13	9.8	6.8	8.1	9.5	5.2	7.2	9.1	5.0	6.8	8.5	4.9	6.4
14	10.0	7.0	8.4	8.6	5.2	6.7	8.6	4.9	6.5	7.7	4.6	5.8
15	10.0	7.6	8.7	9.1	5.2	7.0	9.0	5.3	6.9	7.8	4.8	6.1
16	10.2	7.6	8.6	9.2	5.2	7.1	9.3	5.2	7.0	8.6	5.0	6.5
17	9.6	7.0	8.3	8.9	5.0	6.9	9.6	5.3	7.1	9.0	5.5	7.0
18	9.5	6.8	7.9	9.0	5.0	6.8	9.2	5.2	6.9	9.0	5.3	6.9
19	9.7	6.7	8.0	---	---	---	9.1	5.1	6.9	8.9	5.2	6.7
20	9.8	6.7	8.1	---	---	---	7.9	5.1	6.3	8.6	5.0	6.6
21	9.9	6.7	8.1	---	---	---	9.5	5.5	7.2	8.5	4.7	6.3
22	10.0	6.6	8.1	8.2	4.5	6.1	8.3	5.6	6.9	8.5	4.7	6.3
23	10.0	6.4	8.1	7.5	4.5	5.7	8.1	5.3	6.5	8.9	4.7	6.4
24	10.2	6.3	8.1	8.4	4.5	6.2	8.4	5.4	6.6	8.0	4.7	6.1
25	10.2	6.2	8.0	8.5	4.6	6.1	8.4	5.1	6.6	8.2	4.6	6.0
26	10.3	6.2	8.0	8.2	4.7	6.2	8.5	5.1	6.5	8.3	4.7	6.2
27	10.5	6.0	8.1	8.3	4.7	6.2	8.6	4.9	6.5	8.2	4.9	6.3
28	10.3	6.0	7.9	8.7	5.3	6.7	8.5	5.0	6.5	7.9	4.9	6.2
29	10.3	5.9	7.8	8.9	5.2	6.8	8.5	5.0	6.5	8.4	5.2	6.5
30	10.4	5.7	7.8	8.8	5.2	6.8	8.8	4.9	6.6	8.7	5.5	6.8
31	---	---	---	9.1	5.2	6.9	8.3	5.1	6.6	---	---	---

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	3.2	1.7	2.4	0.7	0.2	0.5
2	---	---	---	---	---	---	2.7	0.9	1.7	0.8	0.1	0.4
3	---	---	---	---	---	---	3.7	0.4	1.2	2.1	0.4	1.0
4	---	---	---	---	---	---	1.4	0.3	0.9	>330	0.9	150
5	---	---	---	---	---	---	2.7	0.4	1.3	>330	94	220
6	---	---	---	---	---	---	5.1	0.8	1.8	130	36	67
7	---	---	---	---	---	---	13	4.0	7.7	72	16	26
8	---	---	---	---	---	---	15	3.0	5.3	16	8.6	12
9	---	---	---	---	---	---	3.0	1.4	2.0	8.9	6.0	7.1
10	---	---	---	---	---	---	2.0	0.9	1.4	9.3	5.3	6.4
11	---	---	---	---	---	---	1.7	0.7	1.0	7.9	3.5	5.2
12	---	---	---	---	---	---	1.1	0.6	0.8	---	---	---
13	---	---	---	---	---	---	1.1	0.6	0.9	---	---	---
14	---	---	---	---	---	---	1.0	0.7	0.8	48	17	28
15	---	---	---	---	---	---	1.5	0.7	0.9	19	9.5	13
16	---	---	---	---	---	---	1.8	0.5	0.8	11	5.2	7.4
17	---	---	---	0.9	0.1	0.5	1.0	0.5	0.7	7.8	3.9	5.4
18	---	---	---	1.1	0.2	0.7	0.8	0.4	0.7	5.4	3.2	3.9
19	---	---	---	1.8	0.2	0.6	0.9	0.4	0.6	12	2.7	3.7
20	---	---	---	1.1	0.1	0.6	1.1	0.4	0.6	6.6	2.3	3.2
21	---	---	---	1.3	0.1	0.5	1.3	0.3	0.6	6.5	2.2	3.4
22	---	---	---	3.1	0.1	0.8	0.7	0.3	0.5	4.6	1.9	2.6
23	---	---	---	1.2	0.1	0.5	1.0	0.4	0.5	3.4	2.0	2.5
24	---	---	---	2.1	0.5	1.1	2.1	0.5	0.7	---	---	---
25	---	---	---	3.0	1.4	1.9	1.2	0.4	0.6	---	---	---
26	---	---	---	2.6	0.8	1.4	0.8	0.4	0.6	---	---	---
27	---	---	---	1.7	0.5	1.1	0.9	0.5	0.7	1.6	0.7	1.1
28	---	---	---	1.8	0.2	0.8	0.9	0.4	0.6	1.8	1.0	1.3
29	---	---	---	4.8	0.7	1.8	0.9	0.4	0.6	1.5	0.8	1.0
30	---	---	---	7.0	3.2	4.2	1.4	0.3	0.5	1.5	0.6	0.9
31	---	---	---	---	---	---	1.4	0.3	0.5	1.4	0.6	0.9
FEBRUARY			MARCH			APRIL			MAY			
1	7.4	0.5	1.1	2.2	0.3	1.0	5.8	0.2	1.6	1.2	0.1	0.5
2	1.6	0.4	0.8	2.1	0.2	0.8	4.0	0.2	1.3	1.2	0.1	0.5
3	1.4	0.4	0.7	2.3	0.3	0.9	3.6	0.5	1.3	1.4	0.2	0.7
4	1.2	0.4	0.8	1.9	0.3	0.9	9.7	0.4	1.6	1.9	0.0	0.6
5	1.9	0.3	0.8	1.6	0.2	0.9	13	0.1	1.7	0.9	0.2	0.4
6	1.2	0.3	0.7	3.7	0.3	1.1	21	1.1	5.9	1.4	0.1	0.6
7	1.8	0.3	0.6	1.5	0.6	0.9	13	5.2	8.0	1.9	0.3	0.7
8	1.6	0.2	0.6	1.7	0.4	0.9	8.1	2.7	4.5	3.1	0.0	0.7
9	0.8	0.4	0.6	2.3	0.2	0.9	3.2	1.3	2.3	1.1	0.0	0.4
10	0.8	0.3	0.5	1.3	0.2	0.7	2.6	0.8	1.6	1.0	0.1	0.5
11	1.7	0.3	0.6	2.1	0.3	0.8	110	1.4	16	0.7	0.1	0.4
12	0.7	0.2	0.5	2.4	0.2	1.0	4.1	1.5	2.7	0.9	0.1	0.4
13	2.6	0.2	0.7	1.5	0.3	0.8	6.8	0.6	1.9	1.6	0.0	0.5
14	0.8	0.2	0.4	3.0	0.4	1.1	2.8	0.4	1.3	1.8	0.1	0.6
15	1.5	0.3	0.5	1.8	0.2	0.9	7.5	0.8	1.4	0.8	0.1	0.4
16	0.7	0.3	0.4	1.2	0.4	0.7	2.3	0.5	1.0	1.2	0.1	0.5
17	0.9	0.1	0.4	2.0	0.0	0.9	2.3	0.3	0.9	35	0.2	4.5
18	1.7	0.2	0.4	2.0	0.6	1.0	1.7	0.4	0.8	65	0.1	11
19	3.4	0.2	0.7	1.6	0.5	0.9	1.9	0.2	0.7	55	0.4	10
20	0.8	0.2	0.5	1.8	0.5	1.0	1.6	0.4	0.8	200	0.6	29
21	1.0	0.2	0.5	1.5	0.5	0.9	3.3	0.5	1.0	200	0.8	22
22	0.9	0.3	0.5	1.7	0.5	0.9	2.0	0.4	0.9	3.8	0.5	1.2
23	1.6	0.5	0.9	3.3	0.4	0.9	3.3	0.3	0.9	55	0.9	4.9
24	2.0	0.7	1.2	1.2	0.4	0.7	2.1	0.2	0.7	7.7	0.8	2.0
25	---	---	---	2.6	0.4	0.9	7.9	0.2	0.9	1.3	0.4	0.8
26	---	---	---	2.9	0.4	1.0	1.0	0.3	0.6	1.8	0.2	0.8
27	---	---	---	2.6	0.5	1.1	0.8	0.2	0.5	1.2	0.4	0.7
28	---	---	---	3.5	0.5	1.5	1.1	0.1	0.5	1.7	0.8	1.0
29	---	---	---	2.8	0.5	1.1	9.6	0.2	1.0	2.7	0.8	1.2
30	---	---	---	1.6	0.5	1.0	14	0.3	2.3	2.3	0.9	1.3
31	---	---	---	6.5	0.1	1.5	---	---	---	14	1.0	1.8

071912213 SPAVINAW CREEK NEAR COLCORD, OK—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.6	0.9	1.7	7.1	0.2	1.3	0.6	0.1	0.2	6.0	0.2	0.6
2	2.6	0.7	1.0	0.7	0.1	0.3	0.4	0.1	0.2	2.9	0.3	0.5
3	2.6	0.8	1.1	0.7	0.0	0.2	1.8	0.1	0.3	2.3	0.2	0.4
4	6.3	0.8	1.3	0.5	0.1	0.2	1.7	0.2	0.4	0.6	0.3	0.4
5	1.7	0.6	1.1	0.8	0.1	0.2	1.9	0.2	0.8	2.6	0.2	0.4
6	9.6	0.9	2.5	0.3	0.0	0.2	13	0.2	1.4	7.3	0.2	0.7
7	4.2	0.7	1.5	0.4	0.0	0.2	13	0.3	2.9	0.5	0.3	0.3
8	3.1	0.8	1.5	0.4	0.0	0.2	16	0.3	3.0	3.3	0.3	0.5
9	5.6	0.8	1.7	6.2	0.0	1.5	16	0.2	5.5	0.4	0.2	0.3
10	7.8	0.8	1.8	0.4	0.0	0.2	10	0.1	3.5	6.5	0.3	0.6
11	31	0.7	3.4	0.7	0.0	0.2	210	0.1	16	9.4	0.2	0.7
12	63	0.7	6.9	1.1	0.0	0.2	32	0.1	4.3	3.7	0.1	0.3
13	12	1.0	3.4	1.8	0.0	0.3	200	0.2	14	3.1	0.2	0.5
14	2.9	1.3	2.0	3.2	0.0	0.6	>330	0.7	45	5.9	0.2	0.7
15	21	1.0	2.4	0.4	0.1	0.2	240	0.3	16	0.5	0.2	0.3
16	2.5	0.8	1.2	0.3	0.0	0.1	>330	0.2	31	0.6	0.2	0.3
17	13	0.5	2.0	2.8	0.0	0.3	20	0.2	3.1	1.5	0.2	0.4
18	0.9	0.3	0.5	0.6	0.0	0.1	17	0.1	2.7	0.4	0.3	0.3
19	1.2	0.4	0.6	2.0	0.0	0.3	240	0.1	22	0.5	0.2	0.3
20	0.8	0.3	0.5	0.3	0.0	0.1	>330	0.2	34	1.0	0.2	0.3
21	1.4	0.3	0.6	1.6	0.0	0.3	>330	0.4	34	0.9	0.1	0.2
22	0.8	0.2	0.4	1.4	0.2	0.3	>330	0.5	21	0.2	0.2	0.2
23	0.7	0.2	0.4	3.6	0.2	0.5	0.9	0.4	0.6	0.3	0.1	0.2
24	0.5	0.2	0.3	0.3	0.1	0.2	0.9	0.4	0.5	0.4	0.1	0.2
25	0.4	0.2	0.3	4.5	0.2	0.5	0.6	0.3	0.4	20	0.1	1.2
26	0.5	0.1	0.3	8.5	0.2	0.5	0.6	0.3	0.4	9.8	0.1	1.0
27	0.4	0.1	0.2	8.5	0.3	0.8	230	0.3	14	24	0.2	2.1
28	6.4	0.1	0.7	1.1	0.2	0.3	0.7	0.2	0.4	13	0.2	2.0
29	0.4	0.0	0.2	1.3	0.1	0.3	0.7	0.3	0.4	4.3	0.1	0.7
30	4.6	0.1	1.2	1.7	0.2	0.4	0.5	0.3	0.3	>330	0.2	52
31	---	---	---	0.5	0.1	0.2	0.9	0.3	0.4	---	---	---

> Actual value is known to be greater than the value shown

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07191222 BEATY CREEK NEAR JAY, OK

LOCATION.--Lat 36°21'19", long 94°46'34", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.22 N., R.24 E., Delaware County, Hydrologic Unit 11070209, on left bank of county road bridge, 0.8 mi upstream from Spavinaw Creek, 2.3 mi east of Lake Eucha Bridge on U.S. Highway 10 and 59, and at mile 0.5.

DRAINAGE AREA.--59.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 30, 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 783.52 ft above NGVD of 1929 from topographic map.

REMARKS.--No estimated daily discharge. Records good. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	1,830	121	23	40	42	33	20	13	8.6	3.4	1.2
2	3.4	302	95	23	39	40	57	19	13	9.0	2.7	0.91
3	3.5	181	78	33	38	37	56	19	12	8.6	2.2	0.73
4	3.6	152	65	1,490	37	37	48	19	11	8.4	1.9	0.51
5	3.5	112	62	2,270	37	34	41	18	12	7.9	1.6	0.36
6	3.6	87	103	548	38	33	71	18	11	7.4	1.4	0.19
7	3.8	65	263	351	40	31	142	17	10	6.5	1.2	0.10
8	4.4	48	182	260	39	31	124	17	9.4	5.9	0.99	0.06
9	4.3	39	144	217	42	30	104	18	9.6	5.3	0.68	0.02
10	4.6	35	113	187	48	28	90	17	11	5.0	0.71	0.01
11	5.5	36	92	163	48	27	89	16	11	4.7	0.61	0.00
12	5.7	34	78	235	46	26	90	15	10	4.4	0.35	0.00
13	6.2	32	63	697	57	25	69	14	23	4.1	0.24	0.00
14	6.2	28	55	279	51	24	58	15	69	4.0	0.40	0.00
15	6.0	27	49	213	47	24	52	15	47	3.9	2.4	0.09
16	5.4	25	45	172	39	23	47	14	38	3.6	5.9	2.6
17	5.5	24	42	150	37	22	43	13	41	3.3	8.1	4.4
18	6.1	24	40	133	35	21	40	13	38	3.1	6.8	4.5
19	4.8	24	35	122	34	20	37	12	31	2.9	5.0	3.8
20	4.9	24	36	109	37	20	35	12	24	2.7	4.0	3.0
21	5.1	23	33	101	34	20	33	11	18	2.6	3.7	2.1
22	6.2	25	30	82	31	22	31	11	15	2.4	3.2	1.5
23	6.6	31	28	72	38	23	29	25	13	2.2	4.1	1.0
24	5.9	35	27	70	64	23	27	37	12	2.2	4.5	0.71
25	5.8	54	26	66	57	24	26	30	10	2.3	3.9	0.48
26	7.6	55	26	57	54	24	27	23	9.4	2.8	3.5	0.26
27	8.4	51	25	51	49	25	25	19	8.5	5.5	3.0	0.13
28	11	44	25	48	45	25	25	18	7.8	6.5	2.5	0.09
29	11	86	25	46	---	24	22	15	7.1	7.0	2.2	0.08
30	10	166	28	44	---	23	22	14	6.6	5.3	1.8	0.12
31	23	---	26	43	---	22	---	13	---	4.3	1.6	---
TOTAL	195.2	3,699	2,060	8,355	1,201	830	1,593	537	551.4	152.4	84.58	28.95
MEAN	6.30	123	66.5	270	42.9	26.8	53.1	17.3	18.4	4.92	2.73	0.96
MAX	23	1,830	263	2,270	64	42	142	37	69	9.0	8.1	4.5
MIN	3.4	23	25	23	31	20	22	11	6.6	2.2	0.24	0.00
AC-FT	387	7,340	4,090	16,570	2,380	1,650	3,160	1,070	1,090	302	168	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

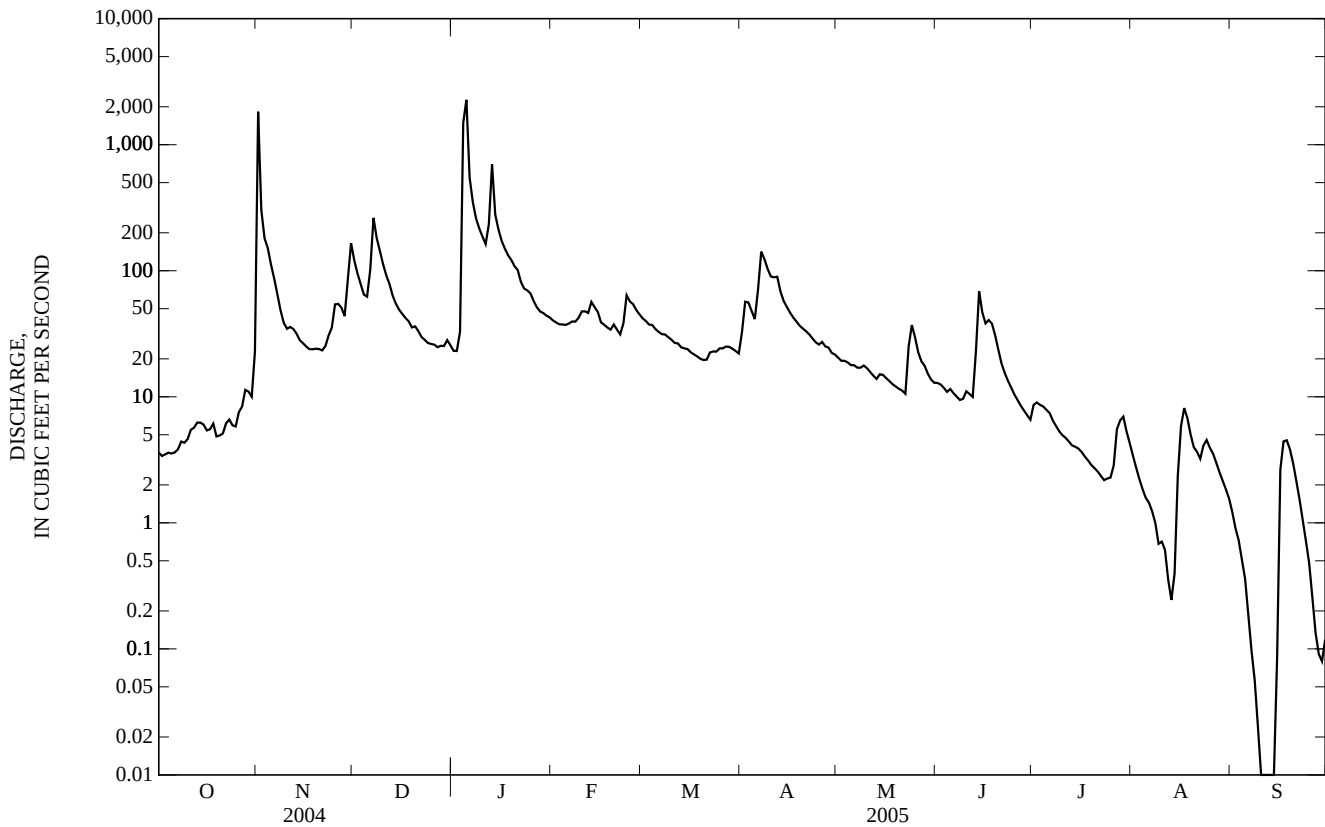
	MEAN	25.7	27.4	29.3	62.5	71.6	70.5	56.8	73.3	56.7	58.1	6.22	6.11
	MAX	141	123	66.5	270	229	165	136	146	192	211	16.5	13.5
	(WY)	(1999)	(2005)	(2005)	(2005)	(2001)	(2004)	(2004)	(2004)	(1999)	(2004)	(2004)	(1999)
	MIN	1.60	3.14	5.63	6.16	10.8	26.8	18.8	12.6	11.8	4.08	0.16	0.13
	(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2001)	(2001)	(2001)	(2003)	(2002)

07191222 BEATY CREEK NEAR JAY, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	29,440.4		19,287.53		45.2	
ANNUAL MEAN	80.4		52.8		90.8	
HIGHEST ANNUAL MEAN					14.0	
LOWEST ANNUAL MEAN					4,080	
HIGHEST DAILY MEAN	4,080	Jul 3	2,270	Jan 5	4,080	Jul 3, 2004
LOWEST DAILY MEAN	3.4	Oct 2	0.00	Sep 11-14	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 1	0.01	Sep 8	0.00	Sep 10, 2002
MAXIMUM PEAK FLOW			5,350	Nov 1	a17,400	Jun 30, 1999
MAXIMUM PEAK STAGE			11.40	Nov 1	b14.26	Jun 30, 1999
ANNUAL RUNOFF (AC-FT)	58,400		38,260		32,780	
10 PERCENT EXCEEDS	181		90		89	
50 PERCENT EXCEEDS	25		23		16	
90 PERCENT EXCEEDS	6.0		1.9		2.9	

a From rating extended above 9.39 ft on basis of slope-area measurement.

b From high-water mark.



07191222 BEATY CREEK NEAR JAY, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1991 to September 1993, July 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2005 to current year.

pH: March 2005 to current year.

WATER TEMPERATURE: March 2005 to current year.

DISSOLVED OXYGEN: March 2005 to current year.

TURBIDITY: March 2005 to current year.

INSTRUMENTATION.--Water-quality monitor since March 2005.

REMARKS.--Interruptions in record were due to malfunctions of the recording instrument. Three event samples collected by USGS. All water-quality samples were analyzed at City of Tulsa Quality Assurance Laboratory, Tulsa, Oklahoma. Specific conductance, pH, water temperature, air temperature, and dissolved oxygen were determined in the field.

COOPERATION.--All analytical records were furnished by City of Tulsa, Tulsa, Oklahoma.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum, 313 microsiemens, Sept. 14; minimum, 249 microsiemens, Apr. 9, 12, 13.

pH: Maximum, 8.5 standard units, Mar. 14, 16, 18, 19; minimum, 7.2 standard units, many days.

WATER TEMPERATURE: Maximum, 26.4°C, Aug. 19; minimum, 8.6°C, Mar. 17.

DISSOLVED OXYGEN: Maximum, 14.4 mg/l, Mar. 16; minimum, 2.1 mg/l, Sept. 15.

TURBIDITY: Maximum, 1,140 NTU, July 1; minimum, 0.0 NTU, many days.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
NOV 01...	1120	1028	99999	2,050	--	754	14	8.5	89	7.2	124	17.5	16.9
JAN 13...	1325	1028	99999	486	35	742	3.9	10.4	97	7.5	170	5.5	10.8
JUN 14...	1030	1028	99999	85	1.2	741	7.4	8.8	101	7.5	280	20.2	20.4

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

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 01...	120	--	<.038	1.73	1.74	<.033	2.5	1.26	.410	.960	1.00	89	597
JAN 13...	63	--	<.038	2.90	2.91	<.033	.59	.521	.170	.210	.230	84	88
JUN 14...	130	.06	.043	2.00	2.01	<.020	<.20	.117	.038	.098	.140	100	180

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

Date	Sus- pended sedi- ment dis- charge, tons/d (80155)
NOV 01...	3,300
JAN 13...	115
JUN 14...	41

07191222 BEATY CREEK NEAR JAY, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	273	269	270	270	263	267
2	---	---	---	---	---	---	273	268	270	270	263	267
3	---	---	---	---	---	---	270	266	268	270	263	267
4	---	---	---	---	---	---	268	264	266	270	263	267
5	---	---	---	---	---	---	268	257	265	271	264	268
6	---	---	---	---	---	---	266	261	263	272	264	268
7	---	---	---	261	253	257	262	250	254	272	265	269
8	---	---	---	263	253	259	252	250	251	273	266	269
9	---	---	---	264	254	260	252	249	251	273	266	270
10	---	---	---	264	254	259	253	250	251	274	267	271
11	---	---	---	264	254	259	253	250	252	275	269	272
12	---	---	---	264	254	260	253	249	251	276	269	273
13	---	---	---	265	255	261	253	249	251	281	273	276
14	---	---	---	265	253	260	253	250	252	281	276	278
15	---	---	---	266	256	262	255	251	253	282	276	279
16	---	---	---	266	255	261	257	252	254	282	277	280
17	---	---	---	266	256	262	258	253	256	283	277	280
18	---	---	---	268	256	263	260	253	257	283	277	281
19	---	---	---	269	257	264	261	254	258	285	279	282
20	---	---	---	269	259	265	263	255	259	286	280	283
21	---	---	---	270	264	267	264	258	261	286	281	284
22	---	---	---	271	265	269	265	259	262	287	281	284
23	---	---	---	273	267	271	266	259	263	287	268	278
24	---	---	---	273	267	270	266	260	263	286	281	284
25	---	---	---	273	269	271	267	260	264	286	281	284
26	---	---	---	275	271	273	267	261	264	287	281	284
27	---	---	---	274	271	273	268	262	265	287	283	285
28	---	---	---	274	271	273	268	261	265	287	281	285
29	---	---	---	275	271	273	269	265	267	288	282	285
30	---	---	---	275	272	273	270	264	267	289	283	286
31	---	---	---	275	271	273	---	---	---	289	283	286
	JUNE			JULY			AUGUST			SEPTEMBER		
1	289	283	286	291	276	284	297	289	294	301	297	298
2	290	284	287	290	281	286	298	290	294	300	298	299
3	291	284	288	291	284	287	298	291	295	301	299	300
4	292	284	289	292	283	287	298	292	295	301	299	300
5	291	284	288	292	284	288	299	293	296	301	300	300
6	293	286	290	307	285	294	299	294	296	301	300	300
7	296	287	291	294	285	290	299	294	296	301	300	300
8	295	288	292	294	286	291	299	296	297	302	300	301
9	296	288	292	295	287	291	300	297	299	302	300	301
10	297	281	290	296	288	292	---	---	---	302	301	302
11	296	288	292	297	288	293	---	---	---	302	301	302
12	297	270	293	297	286	293	302	300	302	302	301	302
13	289	255	282	298	290	294	303	302	302	303	301	303
14	282	273	279	298	289	294	303	299	301	313	288	304
15	285	280	283	299	292	295	301	282	292	302	291	300
16	286	278	281	299	291	295	297	289	294	301	297	299
17	284	276	279	300	292	296	298	290	295	301	295	299
18	283	277	281	300	293	297	298	291	295	301	295	298
19	285	279	282	301	293	297	299	292	296	301	296	299
20	286	279	283	301	294	298	300	292	297	302	296	299
21	287	279	284	302	295	299	301	293	297	302	297	300
22	288	280	284	302	296	299	301	293	297	302	298	300
23	289	281	285	303	299	301	301	292	297	301	298	300
24	291	282	287	304	297	300	300	292	296	301	299	300
25	292	283	288	303	296	300	301	292	297	301	300	301
26	293	284	289	303	280	299	301	293	297	302	301	301
27	294	285	290	295	285	292	301	293	297	302	299	301
28	295	286	291	297	290	294	301	294	298	301	300	300
29	296	288	292	296	289	293	301	295	298	300	297	299
30	297	283	291	297	289	293	301	295	298	298	295	297
31	---	---	---	297	289	293	300	297	298	---	---	---

ARKANSAS RIVER BASIN

07191222 BEATY CREEK NEAR JAY, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	7.8	7.5	7.6	8.0	7.7	7.8
2	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
3	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
4	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
5	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
6	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
7	---	---	---	---	---	---	7.8	7.6	7.7	8.0	7.7	7.8
8	---	---	---	8.4	7.8	7.9	7.8	7.6	7.7	7.9	7.7	7.7
9	---	---	---	8.4	7.8	7.9	7.8	7.6	7.7	7.9	7.7	7.7
10	---	---	---	8.4	7.8	7.9	7.8	7.6	7.7	7.9	7.7	7.7
11	---	---	---	8.4	7.8	7.9	7.9	7.6	7.7	7.9	7.6	7.7
12	---	---	---	8.4	7.8	7.9	7.9	7.6	7.7	7.9	7.6	7.7
13	---	---	---	8.4	7.8	7.9	7.9	7.6	7.7	7.8	7.6	7.7
14	---	---	---	8.5	7.8	7.9	7.9	7.6	7.7	7.8	7.6	7.7
15	---	---	---	8.3	7.8	7.9	8.0	7.6	7.7	7.8	7.6	7.7
16	---	---	---	8.5	7.8	7.9	8.0	7.7	7.8	7.8	7.6	7.7
17	---	---	---	8.4	7.8	7.9	8.1	7.7	7.8	7.8	7.6	7.7
18	---	---	---	8.5	7.8	7.9	8.1	7.7	7.8	7.8	7.6	7.7
19	---	---	---	8.5	7.8	7.9	8.0	7.7	7.8	7.7	7.6	7.6
20	---	---	---	8.3	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.6
21	---	---	---	8.1	7.7	7.7	8.0	7.7	7.7	7.7	7.6	7.6
22	---	---	---	8.0	7.7	7.7	8.0	7.7	7.8	7.7	7.6	7.6
23	---	---	---	8.0	7.7	7.7	8.0	7.7	7.8	7.8	7.6	7.6
24	---	---	---	8.0	7.7	7.7	8.0	7.7	7.8	7.7	7.6	7.6
25	---	---	---	7.9	7.6	7.7	8.0	7.7	7.7	7.8	7.6	7.7
26	---	---	---	7.7	7.6	7.6	8.0	7.7	7.8	7.8	7.6	7.7
27	---	---	---	7.8	7.6	7.6	8.0	7.7	7.8	7.8	7.6	7.6
28	---	---	---	7.8	7.6	7.6	8.0	7.7	7.8	7.8	7.6	7.6
29	---	---	---	7.8	7.6	7.6	7.9	7.7	7.8	7.7	7.6	7.6
30	---	---	---	7.8	7.6	7.6	8.0	7.7	7.8	7.7	7.5	7.6
31	---	---	---	7.7	7.5	7.6	---	---	---	7.7	7.5	7.6
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.7	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.5	7.4	7.3	7.3
2	7.7	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3
3	7.7	7.5	7.6	7.6	7.5	7.5	7.5	7.3	7.4	7.3	7.3	7.3
4	7.7	7.5	7.6	7.6	7.4	7.5	7.4	7.3	7.4	7.3	7.2	7.3
5	7.7	7.5	7.5	7.6	7.4	7.5	7.4	7.3	7.3	7.3	7.3	7.3
6	7.6	7.5	7.5	7.6	7.4	7.5	7.4	7.3	7.3	7.3	7.2	7.3
7	7.6	7.5	7.5	7.6	7.4	7.5	7.4	7.3	7.3	7.3	7.2	7.3
8	7.6	7.5	7.5	7.6	7.4	7.5	7.3	7.3	7.3	7.3	7.2	7.3
9	7.6	7.5	7.5	7.6	7.4	7.5	7.3	7.2	7.3	7.3	7.2	7.3
10	7.6	7.5	7.5	7.6	7.4	7.5	---	---	---	7.3	7.2	7.3
11	7.6	7.5	7.5	7.5	7.4	7.5	---	---	---	---	---	---
12	7.6	7.5	7.5	7.5	7.4	7.5	7.3	7.2	7.2	---	---	---
13	7.6	7.4	7.5	7.5	7.4	7.4	7.3	7.2	7.2	---	---	---
14	7.6	7.4	7.5	7.5	7.4	7.4	7.3	7.2	7.2	---	---	---
15	7.6	7.5	7.5	---	---	---	7.4	7.2	7.3	7.3	7.2	7.2
16	7.7	7.5	7.5	7.5	7.4	7.4	7.5	7.4	7.4	7.4	7.2	7.4
17	7.7	7.5	7.5	7.5	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
18	7.7	7.5	7.6	7.5	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
19	7.7	7.5	7.6	7.4	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
20	7.8	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.5	7.4	7.4
21	7.8	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.4
22	7.7	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.4
23	7.7	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.3
24	7.7	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.3
25	7.7	7.5	7.6	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.3
26	7.7	7.5	7.5	7.5	7.4	7.4	7.5	7.4	7.4	7.4	7.3	7.3
27	7.6	7.5	7.5	7.5	7.4	7.4	7.5	7.4	7.4	7.4	7.3	7.3
28	7.6	7.5	7.5	7.6	7.4	7.5	7.4	7.4	7.4	7.4	7.3	7.3
29	7.6	7.5	7.5	7.6	7.5	7.5	7.4	7.3	7.4	7.4	7.3	7.4
30	7.6	7.5	7.5	7.6	7.5	7.5	7.4	7.3	7.4	7.4	7.3	7.4
31	---	---	---	7.6	7.4	7.5	7.4	7.3	7.3	---	---	---

07191222 BEATY CREEK NEAR JAY, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	13.0	11.0	11.8	15.2	13.0	14.0
2	---	---	---	---	---	---	13.8	10.2	11.8	14.8	13.0	13.8
3	---	---	---	---	---	---	14.2	10.8	12.3	15.8	12.3	13.9
4	---	---	---	---	---	---	15.3	11.8	13.3	15.5	12.7	14.1
5	---	---	---	---	---	---	14.3	13.0	13.5	15.2	13.8	14.5
6	---	---	---	---	---	---	13.5	12.6	13.0	16.7	13.8	15.1
7	---	---	---	---	---	---	13.5	12.8	13.1	16.6	14.3	15.4
8	---	---	---	11.5	9.1	10.3	15.5	12.6	13.7	16.0	15.1	15.5
9	---	---	---	10.7	9.3	10.1	16.2	12.6	14.2	18.0	14.8	16.2
10	---	---	---	11.3	8.9	10	15.9	13.4	14.4	18.9	15.4	16.9
11	---	---	---	11.7	9.2	10.3	16.1	13.7	14.5	19.5	16.4	17.7
12	---	---	---	13.0	9.8	11.1	14.6	13.3	13.8	19.5	16.6	17.9
13	---	---	---	11.7	9.9	10.5	13.7	12.8	13.2	19.2	17.3	18.0
14	---	---	---	11.8	9.2	10.3	15.8	12.0	13.7	19.7	17.1	18.1
15	---	---	---	10.4	9.7	10.0	16.3	12.7	14.2	18.8	16.2	17.4
16	---	---	---	11.2	9.3	10.0	16.6	13.0	14.6	18.9	15.7	17.2
17	---	---	---	11.7	8.6	10	16.4	13.6	14.8	19.3	16.1	17.6
18	---	---	---	12.4	9.6	10.7	16.0	13.8	14.8	19.6	16.7	18.0
19	---	---	---	12.4	9.7	10.8	15.9	14.2	15.0	20.3	17.7	18.8
20	---	---	---	12.9	9.7	11.1	17.4	14.7	15.8	21.0	17.8	19.2
21	---	---	---	12.1	10.9	11.3	17.0	15.0	15.9	21.0	17.9	19.4
22	---	---	---	11.5	10.5	11.0	15.8	14.3	15.2	20.9	18.6	19.7
23	---	---	---	10.6	9.9	10.3	16.3	13.5	14.7	20.8	18.6	19.6
24	---	---	---	11.2	9.4	10.3	16.1	12.9	14.4	19.2	17.8	18.5
25	---	---	---	10.9	10.3	10.5	14.7	13.7	14.1	20.1	17.3	18.5
26	---	---	---	10.4	9.9	10.2	15.5	13.2	14.2	19.6	17.8	18.4
27	---	---	---	10.3	9.4	9.9	16.2	12.7	14.2	18.7	17.2	17.7
28	---	---	---	12.7	8.8	10.6	16.4	13.8	15.0	19.6	16.6	18.0
29	---	---	---	13.1	10.6	11.7	14.9	13.5	14.3	20.3	17.4	18.7
30	---	---	---	14.1	11.6	12.5	16.0	12.9	14.2	20.4	17.7	18.9
31	---	---	---	13.4	10.7	11.9	---	---	---	20.4	17.9	19.1
JUNE			JULY			AUGUST			SEPTEMBER			
1	19.5	18.6	19.0	24.2	22.2	23.1	25.2	23.3	24.3	24.7	24.1	24.5
2	20.8	18.2	19.4	24.4	21.8	23.1	25.3	23.8	24.7	24.7	24.4	24.6
3	21.3	18.6	19.9	24.9	22.0	23.3	25.4	24.2	24.9	24.8	24.4	24.6
4	21.1	19.4	20.1	24.5	22.4	23.3	25.4	24.5	25.1	24.6	24.2	24.4
5	21.7	19.2	20.2	24.0	22.1	23.0	25.4	24.8	25.1	24.3	23.8	24.1
6	22.2	19.6	20.8	24.3	21.9	23.0	25.2	24.6	25.0	24.2	23.7	23.9
7	21.7	19.8	20.7	24.5	22.0	23.2	25.1	24.5	24.9	24.1	23.7	23.9
8	22.9	20.1	21.4	24.7	22.2	23.4	25.3	24.8	25.1	24.2	23.7	23.9
9	22.9	20.4	21.6	24.7	22.4	23.6	25.4	24.9	25.2	24.2	23.6	23.9
10	23.0	20.7	21.7	24.7	22.6	23.7	---	---	---	24.2	23.6	23.8
11	23.0	20.7	21.7	24.3	22.7	23.6	---	---	---	---	---	---
12	23.4	20.8	22.0	24.8	22.7	23.8	25.6	25.2	25.4	---	---	---
13	22.9	20.6	21.6	25.0	23.1	24.1	25.6	25.2	25.3	---	---	---
14	22.4	19.9	21.0	24.8	23.2	24.0	25.3	24.9	25.1	---	---	---
15	22.6	19.5	20.9	---	---	---	24.9	24.3	24.6	24.1	23.6	23.8
16	22.2	20.1	20.9	25.2	23.3	24.3	25.3	23.9	24.5	23.7	22.9	23.3
17	22.3	20.0	20.9	25.1	23.6	24.4	25.5	23.9	24.6	23.3	22.0	22.8
18	22.4	19.8	20.8	25.2	23.8	24.6	26.2	24.0	25.0	23.8	22.6	23.1
19	22.7	19.6	21.0	25.1	23.9	24.6	26.4	24.2	25.2	24.3	22.8	23.6
20	22.8	19.7	21.1	25.5	24.0	24.8	25.6	24.5	25.0	24.3	23.2	23.9
21	22.7	20.0	21.3	25.7	24.3	25.1	25.8	24.2	25.0	24.2	23.4	23.9
22	23.2	20.3	21.6	25.9	24.5	25.4	25.3	24.5	24.9	24.1	23.6	23.9
23	23.5	20.6	21.9	26.0	25.0	25.4	25.2	24.2	24.6	24.1	23.7	23.9
24	23.8	21.0	22.3	25.8	24.4	25.1	26.0	23.9	24.8	23.9	23.6	23.8
25	23.7	21.2	22.4	25.9	24.9	25.4	26.1	24.4	25.2	23.8	23.6	23.7
26	23.9	21.4	22.5	25.9	24.6	25.4	26.2	24.6	25.4	23.8	23.5	23.6
27	24.2	21.6	22.8	25.1	23.7	24.4	25.9	24.8	25.4	23.7	23.2	23.4
28	24.4	21.8	23.1	25.3	22.7	23.9	25.7	24.8	25.3	23.6	22.9	23.3
29	24.6	22.2	23.4	25.3	22.6	23.9	25.6	24.6	25.1	23.0	22.0	22.6
30	24.9	22.4	23.6	25.3	22.8	24.1	25.2	24.5	24.9	22.1	21.5	21.9
31	---	---	---	25.1	23.0	24.1	24.9	24.0	24.5	---	---	---

ARKANSAS RIVER BASIN

07191222 BEATY CREEK NEAR JAY, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	10.7	9.0	9.7	11.8	8.8	10.1
2	---	---	---	---	---	---	10.8	9.5	10.0	12.0	8.8	10.2
3	---	---	---	---	---	---	10.7	9.3	10	11.7	9.1	10.3
4	---	---	---	---	---	---	10.6	9.0	9.7	11.8	9.0	10.2
5	---	---	---	---	---	---	10.5	8.9	9.5	11.6	8.7	9.9
6	---	---	---	---	---	---	10.6	8.9	9.6	11.7	8.6	10.0
7	---	---	---	---	---	---	10.5	9.3	9.8	11.7	8.4	9.9
8	---	---	---	13.5	9.7	11.2	10.6	9.3	9.8	11.0	8.1	9.3
9	---	---	---	13.5	9.5	11.1	10.6	9.0	9.8	11.2	8.2	9.5
10	---	---	---	13.7	9.8	11.4	10.7	8.9	9.6	11.0	8.0	9.3
11	---	---	---	13.6	9.7	11.3	10.7	8.9	9.6	10.6	7.6	9.0
12	---	---	---	13.5	9.5	11.1	10.9	9.0	9.8	10.5	7.5	8.9
13	---	---	---	13.8	9.4	11.1	11.2	9.2	10.0	10.7	7.2	8.4
14	---	---	---	14.3	9.7	11.5	11.4	9.3	10.3	9.4	6.9	8.1
15	---	---	---	13.6	9.5	11.1	12.0	8.7	10.1	9.7	7.2	8.4
16	---	---	---	14.4	9.7	11.7	11.0	8.6	9.6	9.5	7.4	8.4
17	---	---	---	14.2	9.6	11.5	11.3	8.4	9.6	9.4	7.2	8.2
18	---	---	---	13.8	9.2	11.1	11.4	8.3	9.6	9.5	7.0	8.1
19	---	---	---	13.8	9.1	11.0	11.2	8.2	9.5	9.0	6.7	7.8
20	---	---	---	13.5	9.1	10.9	11.3	8.1	9.5	8.9	6.6	7.7
21	---	---	---	12.1	8.6	9.6	10.8	7.9	9.2	8.8	6.6	7.6
22	---	---	---	11.3	8.5	9.5	10.8	7.9	9.2	8.7	6.3	7.4
23	---	---	---	11.6	8.9	9.9	11.2	8.3	9.6	9.0	6.4	7.5
24	---	---	---	11.7	9.2	10.2	11.4	8.5	9.8	8.7	6.8	7.6
25	---	---	---	11.2	8.9	9.8	11.2	8.3	9.4	9.4	7.2	8.2
26	---	---	---	10.8	9.0	9.7	11.3	8.3	9.7	9.5	7.1	8.2
27	---	---	---	11.0	9.2	10	11.3	8.7	9.8	9.4	7.2	8.3
28	---	---	---	11.0	9.2	10.1	11.4	8.3	9.7	9.9	7.4	8.5
29	---	---	---	10.8	8.9	9.8	10.5	8.2	9.2	9.6	7.0	8.2
30	---	---	---	10.4	8.7	9.5	11.3	8.7	9.9	9.6	7.0	8.1
31	---	---	---	10.7	9.0	9.6	---	---	---	9.6	6.9	8.1
JUNE			JULY			AUGUST			SEPTEMBER			
1	9.4	6.5	7.9	7.7	5.2	6.1	7.4	5.3	6.3	5.0	4.3	4.6
2	9.4	6.6	8.0	7.9	5.1	6.4	7.4	5.0	6.1	4.6	4.1	4.3
3	9.5	6.6	8.0	7.8	5.1	6.3	7.3	4.8	5.7	4.5	3.8	4.1
4	9.2	6.3	7.7	7.7	4.9	6.1	6.2	4.4	5.1	4.3	3.8	4.0
5	9.1	6.3	7.5	8.0	5.0	6.4	5.4	3.9	4.6	4.3	3.7	4.0
6	9.1	6.2	7.5	7.8	5.0	6.4	5.2	4.0	4.6	4.4	3.5	4.0
7	9.1	6.2	7.5	8.0	5.0	6.4	5.0	4.1	4.4	4.5	3.6	4.0
8	8.8	6.1	7.4	7.8	5.1	6.3	4.5	3.7	4.1	4.3	3.6	3.9
9	8.7	6.0	7.2	7.7	5.0	6.3	4.1	3.5	3.8	4.4	3.4	3.9
10	8.8	5.9	7.2	7.5	4.9	6.2	---	---	---	4.3	3.3	3.8
11	8.8	5.9	7.2	7.4	4.8	6.0	---	---	---	---	---	---
12	8.9	5.9	7.3	7.3	4.9	6.1	3.6	2.8	3.2	---	---	---
13	9.0	6.2	7.4	7.0	4.8	5.9	3.5	2.7	3.1	---	---	---
14	9.0	6.4	7.6	7.2	4.8	5.7	3.5	2.7	3.0	---	---	---
15	9.2	6.9	7.8	---	---	---	5.4	2.9	4.2	3.6	2.1	3.0
16	9.5	6.7	7.8	6.8	4.7	5.8	6.6	4.5	5.5	6.2	3.3	5.1
17	9.5	6.8	7.9	6.7	4.7	5.6	7.2	4.8	5.8	7.0	5.4	6.0
18	9.9	6.8	8.2	6.6	4.5	5.5	6.8	4.7	5.6	7.1	5.3	6.1
19	10.2	7.0	8.4	6.6	4.4	5.4	6.6	4.6	5.5	6.7	5.2	5.9
20	10.5	7.0	8.5	6.2	4.3	5.2	6.5	4.5	5.2	6.5	5.0	5.7
21	10.7	6.8	8.6	6.1	4.2	5.1	6.5	4.5	5.4	5.7	4.8	5.2
22	10.6	6.6	8.5	5.9	4.2	5.0	6.7	4.3	5.3	5.3	4.3	4.9
23	10.6	6.5	8.4	5.5	4.0	4.5	7.0	4.4	5.5	5.1	4.3	4.7
24	10.3	6.3	8.2	5.8	4.0	4.9	7.1	4.8	5.8	4.8	4.1	4.5
25	10.0	6.1	7.9	6.2	4.0	5.0	7.1	4.6	5.7	4.6	4.0	4.2
26	9.8	6.0	7.8	6.2	4.4	5.4	6.8	4.5	5.6	4.6	4.0	4.3
27	9.4	5.8	7.5	7.6	4.8	6.0	6.6	4.3	5.3	5.0	3.9	4.3
28	9.1	5.8	7.3	7.9	5.5	6.5	6.3	4.2	5.2	4.5	3.7	4.0
29	8.6	5.6	7.1	8.0	5.6	6.7	6.0	4.2	5.1	4.9	4.2	4.4
30	8.7	5.5	6.9	8.0	5.6	6.6	5.8	4.3	5.0	5.1	4.3	4.6
31	---	---	---	7.6	5.5	6.5	5.1	4.3	4.8	---	---	---

07191222 BEATY CREEK NEAR JAY, OK—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	9.0	0.0	1.9	0.6	0.1	0.3
2	---	---	---	---	---	---	9.6	1.1	2.6	0.6	0.1	0.3
3	---	---	---	---	---	---	3.1	0.8	1.1	0.8	0.1	0.3
4	---	---	---	---	---	---	1.3	0.5	0.8	0.4	0.1	0.2
5	---	---	---	---	---	---	2.4	0.4	0.8	0.4	0.1	0.2
6	---	---	---	---	---	---	4.6	0.6	1.4	0.6	0.1	0.2
7	---	---	---	---	---	---	12	2.5	4.3	0.4	0.1	0.2
8	---	---	---	2.6	0.6	0.8	46	1.5	6.4	0.7	0.1	0.2
9	---	---	---	1.6	0.5	0.6	3.2	0.8	1.3	0.7	0.0	0.2
10	---	---	---	0.5	0.5	0.5	1.3	0.5	0.8	0.7	0.0	0.2
11	---	---	---	0.5	0.4	0.4	14	0.4	2.5	0.4	0.0	0.1
12	---	---	---	3.4	0.3	0.4	10	0.6	1.7	0.8	0.0	0.2
13	---	---	---	0.3	0.3	0.3	1.1	0.4	0.6	1.0	0.1	0.2
14	---	---	---	4.2	0.2	0.3	0.8	0.3	0.5	0.6	0.0	0.2
15	---	---	---	1.2	0.1	0.2	1.5	0.3	0.5	0.4	0.1	0.2
16	---	---	---	0.1	0.0	0.1	1.1	0.4	0.6	1.0	0.0	0.2
17	---	---	---	0.1	0.0	0.0	0.8	0.4	0.5	0.5	0.1	0.3
18	---	---	---	1.1	0.1	0.2	9.7	0.4	1.1	0.4	0.1	0.3
19	---	---	---	1.1	0.1	0.3	9.6	0.3	2.8	0.5	0.0	0.3
20	---	---	---	1.1	0.1	0.2	10	0.3	3.0	0.5	0.0	0.2
21	---	---	---	1.1	0.1	0.2	1.8	0.2	0.4	2.3	0.1	0.3
22	---	---	---	1.1	0.1	0.4	0.7	0.2	0.4	0.3	0.0	0.2
23	---	---	---	1.1	0.1	0.3	14	0.3	2.3	2.5	0.2	0.6
24	---	---	---	1.1	0.1	0.4	12	0.2	2.7	1.8	0.4	0.5
25	---	---	---	1.1	0.0	0.6	16	0.4	4.7	2.5	0.2	0.6
26	---	---	---	1.0	0.0	0.6	6.4	0.2	1.0	0.8	0.2	0.4
27	---	---	---	2.0	0.0	0.5	0.5	0.1	0.3	0.7	0.2	0.4
28	---	---	---	1.0	0.0	0.5	7.4	0.2	0.6	0.8	0.3	0.4
29	---	---	---	1.0	0.0	0.5	0.7	0.2	0.3	0.6	0.2	0.4
30	---	---	---	4.0	0.0	0.9	0.9	0.1	0.3	1.2	0.3	0.4
31	---	---	---	10	0.0	2.3	---	---	---	0.8	0.3	0.4
JUNE			JULY			AUGUST			SEPTEMBER			
1	0.6	0.3	0.4	1,140	0.4	27	0.3	0.0	0.2	0.7	0.4	0.5
2	2.8	0.2	0.5	1,130	0.4	61	0.4	0.1	0.2	0.7	0.4	0.5
3	0.8	0.2	0.4	1,130	0.4	51	0.9	0.1	0.2	0.6	0.3	0.5
4	1.1	0.2	0.4	0.9	0.4	0.5	1.0	0.2	0.3	0.7	0.3	0.5
5	1.4	0.2	0.5	8.2	0.4	1.1	0.6	0.2	0.3	0.7	0.4	0.5
6	0.6	0.2	0.3	1.3	0.3	0.6	0.6	0.2	0.3	0.7	0.4	0.5
7	0.5	0.2	0.3	0.8	0.3	0.5	0.6	0.2	0.3	0.7	0.4	0.5
8	0.4	0.1	0.3	1.2	0.3	0.6	0.7	0.2	0.3	0.9	0.4	0.5
9	0.9	0.1	0.3	0.9	0.3	0.5	0.5	0.2	0.3	0.7	0.4	0.5
10	15	0.2	0.8	1.0	0.3	0.4	---	---	---	0.6	0.3	0.5
11	0.5	0.1	0.3	1.1	0.3	0.5	---	---	---	---	---	---
12	100	0.1	1.3	14	0.3	1.8	0.3	0.1	0.2	---	---	---
13	990	0.2	36	0.6	0.3	0.4	0.5	0.1	0.2	---	---	---
14	3.1	0.8	1.5	4.7	0.3	1.1	0.4	0.1	0.2	---	---	---
15	1.6	0.4	0.6	---	---	---	40	0.2	2.0	83	0.5	5.3
16	1.0	0.3	0.5	0.7	0.3	0.4	0.5	0.2	0.3	0.7	0.5	0.6
17	1.5	0.3	0.5	0.7	0.3	0.4	0.3	0.1	0.2	3.1	0.5	0.7
18	0.8	0.2	0.4	0.8	0.4	0.5	0.4	0.0	0.2	0.7	0.5	0.6
19	1.3	0.2	0.3	1.6	0.4	0.7	0.9	0.0	0.2	0.8	0.4	0.5
20	0.5	0.1	0.3	2.3	0.4	1.0	0.6	0.1	0.3	1.4	0.4	0.5
21	3.4	0.1	0.6	1.7	0.2	0.8	0.4	0.1	0.2	1.4	0.4	0.5
22	1.8	0.1	0.3	3.9	0.1	0.6	0.6	0.1	0.3	0.7	0.4	0.5
23	7.1	0.1	0.8	0.5	0.1	0.2	0.3	0.0	0.2	0.8	0.4	0.5
24	1.9	0.1	0.3	1.5	0.1	0.2	0.4	0.0	0.2	0.8	0.4	0.5
25	0.7	0.0	0.2	0.3	0.1	0.2	0.3	0.0	0.1	0.8	0.4	0.5
26	3.6	0.0	0.2	12	0.0	0.5	0.2	0.0	0.1	0.8	0.4	0.5
27	2.0	0.0	0.2	9.3	0.3	0.8	0.7	0.0	0.1	1.1	0.4	0.5
28	2.0	0.0	0.3	4.0	0.2	0.6	0.6	0.0	0.2	0.7	0.3	0.5
29	1.9	0.2	0.5	0.9	0.3	0.5	0.8	0.0	0.3	0.9	0.4	0.6
30	5.1	0.1	0.7	2.6	0.1	0.5	0.9	0.4	0.5	0.9	0.4	0.5
31	---	---	---	2.4	0.1	0.3	1.0	0.4	0.5	---	---	---

07191285 LAKE EUCHA NEAR EUCHA, OK

LOCATION.--Lat 36°22'30", long 94°56'06", in SE ¼ NE ¼ sec.22, T.22 N., R.22 E., Delaware County, Hydrologic Unit 11070209, on left side of Eucha Dam, 1.8 mi downstream of Galcatcher Hollow, 3.5 mi northwest of Eucha, and at mile 15.

DRAINAGE AREA.--358 mi².

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

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

REMARKS.--Reservoir is formed by a concrete dam with an uncontrolled spillway. Levels in Lake Eucha are maintained by inflow from Spavinaw Creek and Beaty Creek. Storage began in 1952. At normal pool elevation 778.0 ft, the capacity is 75,900 acre-ft. Reservoir is used for water supply, recreation, and fish and wildlife. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.---Maximum contents, 84,400 acre-ft, July 3, 2004, elevation 780.84 ft; minimum, 55,700 acre-ft, Dec. 16, 23, 2002, elevation 769.82 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 14, 1961, reached a stage of 781.4 NGVD, from City of Tulsa readings.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 82,100 acre-ft, Jan. 5, elevation 780.06 ft; minimum, 62,500 acre-ft, Sept. 30, elevation 772.74 ft.

Capacity Table (elevation, in feet, and contents, in acre-ft)

720	853	760	35,700
730	3,730	770	56,100
740	9,690	780	81,900
750	20,300	790	116,400

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72,000	77,700	76,700	76,100	72,900	76,600	76,500	76,300	75,900	75,600	71,100	66,900
2	71,800	77,500	76,700	76,200	73,400	76,500	76,600	76,300	76,100	75,400	70,900	66,700
3	71,600	77,200	76,500	76,300	73,900	76,500	76,600	76,300	76,100	75,200	70,600	66,600
4	71,300	77,000	76,500	80,400	74,300	76,500	76,600	76,300	76,100	75,100	70,500	66,500
5	71,100	76,800	76,500	79,900	74,700	76,500	76,600	76,300	76,100	75,000	70,300	66,300
6	71,000	76,600	76,700	78,700	75,200	76,500	76,800	76,200	76,100	75,000	70,100	66,100
7	71,000	76,500	77,000	78,000	75,700	76,500	77,100	76,200	76,100	75,000	70,000	66,000
8	70,900	76,400	77,100	77,600	76,200	76,500	77,100	76,200	76,000	74,900	69,800	65,800
9	70,800	76,200	76,900	77,300	76,400	76,500	77,000	76,200	76,000	74,800	69,600	65,600
10	70,700	76,400	76,800	77,000	76,500	76,400	76,900	76,200	76,100	74,700	69,300	65,400
11	70,600	76,300	76,700	77,000	76,500	76,500	77,000	76,200	76,100	74,600	69,100	65,200
12	70,600	76,200	76,500	77,400	76,500	76,400	76,800	76,200	76,200	74,500	68,800	65,000
13	70,500	76,100	76,500	79,400	76,500	76,400	76,800	76,200	76,700	74,400	68,500	64,700
14	70,400	76,100	76,400	78,100	76,500	76,400	76,700	76,200	76,500	74,300	68,400	64,800
15	70,300	76,100	76,300	77,600	76,500	76,400	76,600	76,200	76,400	74,200	68,500	64,800
16	70,200	76,100	76,300	77,400	76,500	76,400	76,600	76,200	76,400	74,000	68,500	64,800
17	70,100	76,100	76,300	77,200	76,500	76,400	76,600	76,100	76,400	73,900	68,500	64,700
18	70,000	76,100	76,200	77,000	76,500	76,300	76,500	76,100	76,300	73,700	68,500	64,700
19	69,800	76,100	76,200	76,900	76,500	76,300	76,500	76,200	76,200	73,600	68,400	64,500
20	69,700	76,100	76,200	76,800	76,500	76,300	76,500	76,100	76,200	73,400	68,300	64,400
21	69,600	76,100	76,200	76,800	76,500	76,300	76,400	76,100	76,200	73,300	68,200	64,200
22	69,600	76,100	76,200	76,700	76,500	76,300	76,400	75,900	76,200	73,100	68,000	64,100
23	69,500	76,100	76,200	76,700	76,500	76,400	76,400	76,300	76,100	72,900	67,900	63,900
24	69,400	76,100	76,200	76,500	76,500	76,500	76,400	76,200	76,100	72,800	67,900	63,700
25	69,300	76,200	76,200	76,100	76,600	76,400	76,500	76,200	76,000	72,500	67,800	63,500
26	69,400	76,300	76,200	75,600	76,600	76,400	76,400	76,000	76,000	72,300	67,700	63,300
27	69,400	76,300	76,100	74,900	76,600	76,400	76,300	75,900	76,000	72,100	67,600	63,100
28	69,400	76,300	76,100	74,300	76,600	76,400	76,300	75,800	75,900	72,000	67,400	62,900
29	69,400	76,400	76,100	73,600	---	76,400	76,300	75,700	75,800	71,800	67,300	62,700
30	69,400	76,600	76,100	72,800	---	76,400	76,300	75,600	75,600	71,500	67,200	62,500
31	70,100	---	76,100	72,600	---	76,500	---	75,900	---	71,300	67,000	---
MAX	72,000	77,700	77,100	80,400	76,600	76,600	77,100	76,300	76,700	75,600	71,100	66,900
MIN	69,300	76,100	76,100	72,600	72,900	76,300	76,300	75,600	75,600	71,300	67,000	62,500
(#)	775.71	778.23	778.07	776.69	778.23	778.19	778.14	778.00	777.87	776.20	774.51	772.74
(#)	-2200	+6500	-500	-3500	+4000	-100	-200	-400	-300	-4300	-4300	-4500

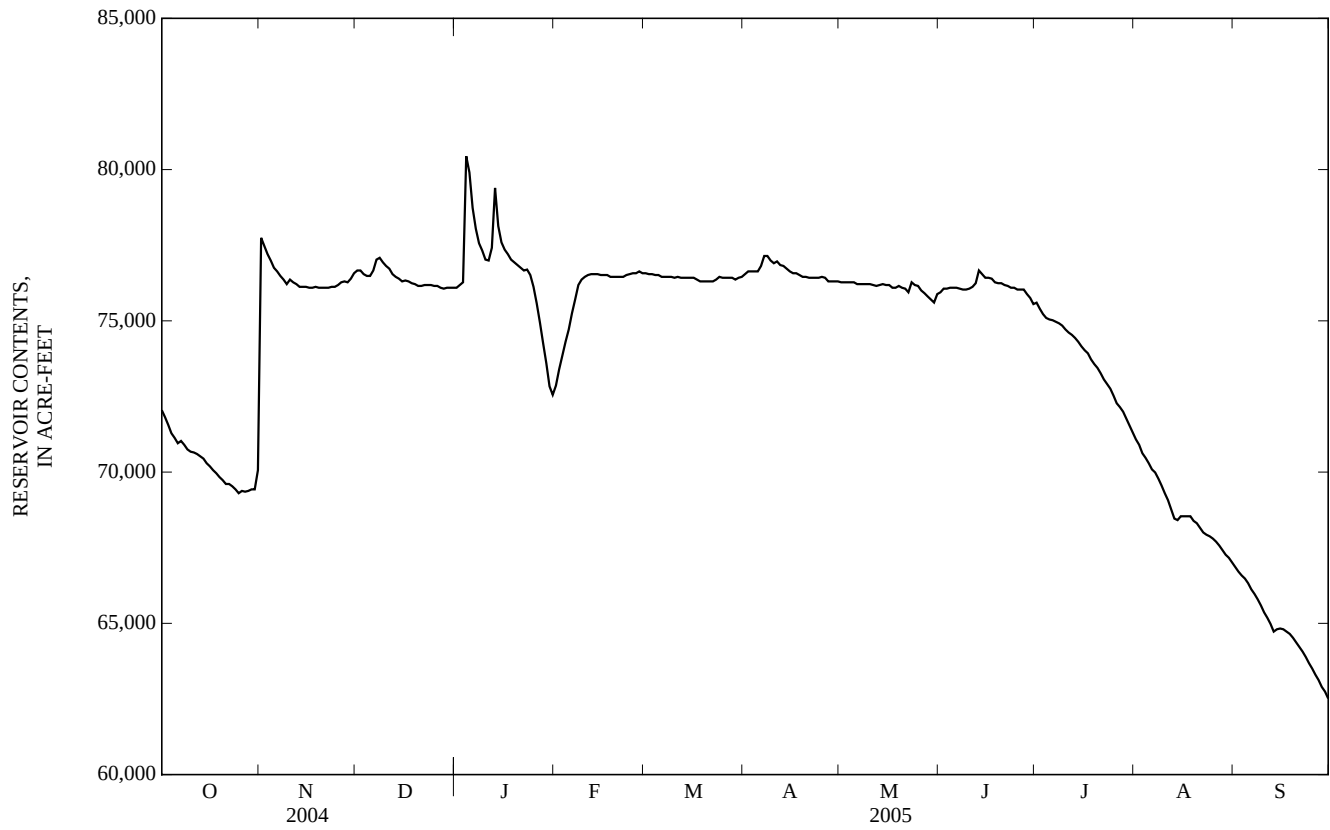
CAL YR 2004 MAX 80100 MIN 60100 (#) +16100

WTR YR 2005 MAX 80400 MIN 62500 (#) -9800

(#) ELEVATION, IN FEET, AT END OF MONTH

(#) CHANGE IN CONTENTS, IN ACRE-FEET

07191285 LAKE EUCHA NEAR EUCHA, OK—Continued



07191288 SPAVINAW CREEK NEAR EUCHA, OK

LOCATION.--Lat 36°22'45", long 94°56'12", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.22 N., R.22 E., Delaware County, Hydrologic Unit 11070209, on right downstream abutment of county road bridge, .3 mi downstream from Eucha Dam, 3.2 mi northwest of Eucha, and at mile 14.7

DRAINAGE AREA.--358 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 682.13 ft NAVD of 1988.

REMARKS.--No estimated daily discharge. Records good. Flow completely regulated by Eucha Lake (station 07191285) since 1952. U.S. Geological Survey satellite telemeter at station.

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

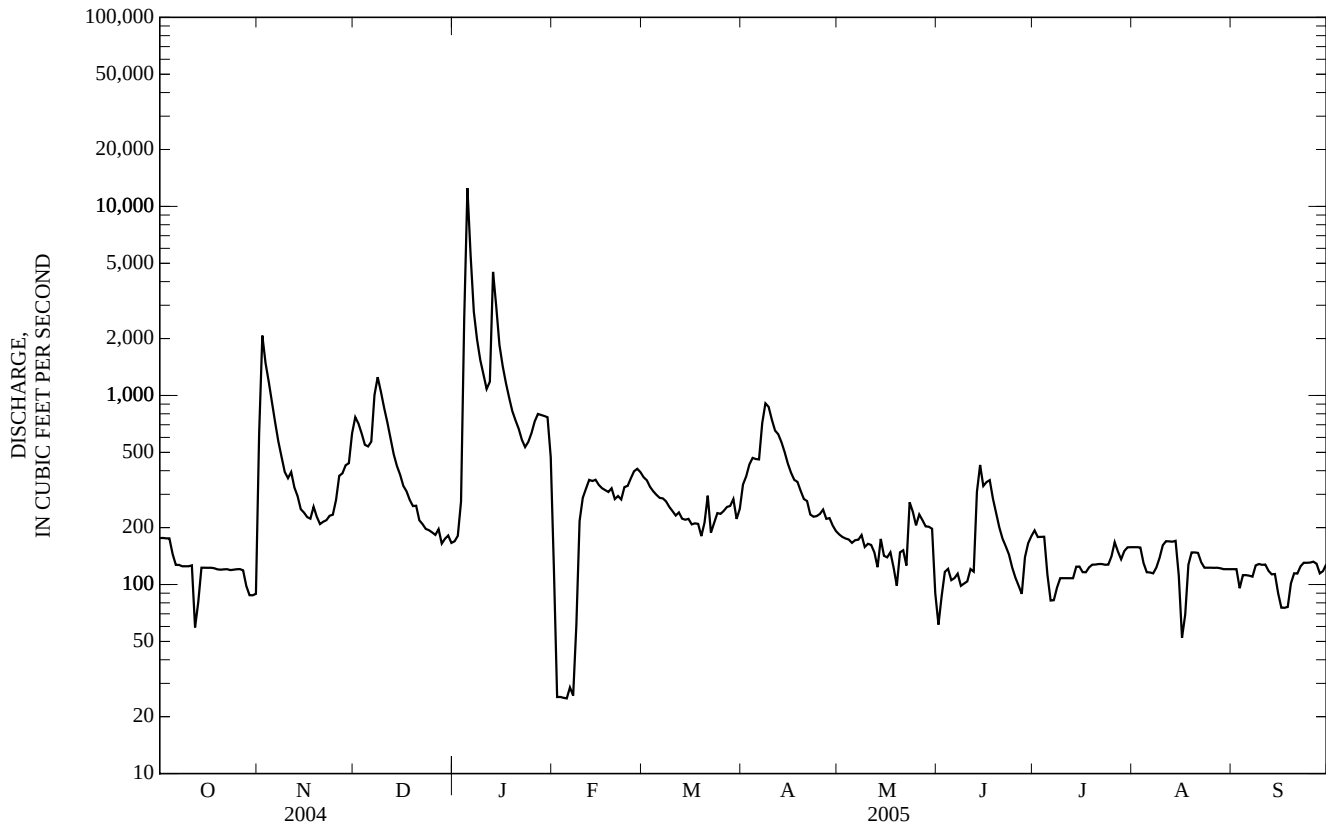
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	626	768	169	120	369	338	184	61	193	158	121
2	176	2,070	710	181	25	356	374	179	87	178	158	121
3	175	1,480	629	274	25	328	432	175	117	179	157	96
4	175	1,180	549	2,570	25	311	468	173	121	179	130	112
5	145	921	538	12,500	25	298	461	166	105	113	116	112
6	127	720	570	5,500	29	287	459	172	108	82	116	111
7	127	571	1,010	2,770	26	285	714	173	114	83	115	110
8	125	473	1,250	1,980	61	275	908	183	98	96	123	126
9	125	394	1,050	1,540	217	257	871	158	101	108	138	128
10	125	365	862	1,290	288	244	745	164	104	108	161	127
11	126	394	722	1,080	321	232	652	162	121	108	169	127
12	59	326	594	1,180	358	241	623	148	117	108	169	118
13	81	293	489	4,500	353	223	566	123	309	108	168	113
14	123	250	424	2,950	358	220	501	174	429	124	170	114
15	123	240	381	1,850	336	222	436	142	332	124	111	90
16	123	227	332	1,430	323	208	390	139	348	116	52	75
17	123	223	311	1,170	316	211	358	148	357	116	69	75
18	122	258	280	977	309	209	349	123	284	123	127	76
19	120	228	260	828	323	180	313	99	239	127	148	102
20	120	209	261	739	283	213	284	148	200	128	148	115
21	120	215	219	667	294	295	276	152	175	128	147	114
22	121	219	209	583	282	188	235	126	159	128	131	125
23	119	231	197	533	328	212	228	272	144	127	123	130
24	120	234	194	568	332	239	230	242	123	127	123	130
25	120	280	189	632	365	236	236	206	109	141	123	131
26	121	376	183	729	397	245	249	235	99	167	123	132
27	119	387	196	798	409	257	223	219	89	150	123	129
28	98	427	165	788	393	260	225	203	140	136	122	115
29	88	438	175	779	---	283	205	202	166	150	121	118
30	88	630	182	767	---	222	192	197	180	157	121	128
31	89	---	166	472	---	252	---	90	---	158	121	---
TOTAL	3,799	14,885	14,065	52,794	6,921	7,858	12,541	5,277	5,136	4,070	4,081	3,421
MEAN	123	496	454	1,703	247	253	418	170	171	131	132	114
MAX	176	2,070	1,250	12,500	409	369	908	272	429	193	170	132
MIN	59	209	165	169	25	180	192	90	61	82	52	75
AC-FT	7,540	29,520	27,900	104,700	13,730	15,590	24,880	10,470	10,190	8,070	8,090	6,790

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

MEAN	112	179	168	501	145	389	436	459	209	342	151	116
MAX	123	496	454	1,703	247	894	789	670	321	951	171	128
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2002)	(2004)	(2004)	(2004)
MIN	102	70.0	54.3	79.9	63.2	89.5	99.2	170	160	120	132	102
(WY)	(2004)	(2002)	(2002)	(2003)	(2003)	(2003)	(2003)	(2005)	(2004)	(2003)	(2005)	(2003)

07191288 SPAVINAW CREEK NEAR EUCHA, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	154,020		134,848		268	
ANNUAL MEAN	421		369		369	
HIGHEST ANNUAL MEAN					126	
LOWEST ANNUAL MEAN					126	
HIGHEST DAILY MEAN	11,200	Jul 3	12,500	Jan 5	12,500	Jan 5, 2005
LOWEST DAILY MEAN	37	Jan 19	25	Feb 2,3,4,5	25	Feb 2, 2005
ANNUAL SEVEN-DAY MINIMUM	61	Jan 14	31	Feb 2	31	Feb 2, 2005
MAXIMUM PEAK FLOW			17,200	Jan 5	23,200	Jul 3, 2004
MAXIMUM PEAK STAGE			24.85	Jan 5	28.18	Jul 3, 2004
ANNUAL RUNOFF (AC-FT)	305,500		267,500		194,500	
10 PERCENT EXCEEDS	902		716		489	
50 PERCENT EXCEEDS	188		184		130	
90 PERCENT EXCEEDS	94		108		69	



07191300 SPAVINAW LAKE AT SPAVINAW, OK

LOCATION.--Lat 36°22'59", long 95°02'52", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.22 N., R.21 E., Mayes County, Hydrologic Unit 11070209, right of intake tower on face of dam on Spavinaw Creek at Spavinaw, and at mile 5.5.

DRAINAGE AREA.--386 mi² (U.S. Army Corps of Engineers).

PERIOD OF RECORD.--October 1991 to current year.

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

REMARKS.--Reservoir is formed by earth dam with uncontrolled concrete spillway. Levels are maintained in Spavinaw Lake by releases from Lake Eucha. Storage began 1924; conservation pool first filled November 1924. Capacity 41,200 acre-ft at elevation 682 ft. Dead storage, 15,300 acre-ft at elevation 662 ft. Figures given herein represent total contents. Reservoir is used for water supply, recreation, and fish and wildlife. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 41,630 acre-ft, July 3, 2004, elevation 683.83 ft; minimum, 23,920 acre-ft, Jan. 8, 2002, elevation, 675.81 ft.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Flood of April 1942 reached a stage of 689.13 ft, contents unknown.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 40,290 acre-ft, Jan. 5, elevation 683.51 ft; minimum, 29,820 acre-ft, July 26, elevation 679.55 ft.

Capacity table (elevation, in feet, and contents, in acre-ft):

675.5	23,300	679	28,960
676	24,300	680	30,590
677	25,400	685	46,500
678	27,690		

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30,110	31,070	31,070	30,740	30,720	30,890	30,880	30,760	30,650	30,740	30,130	30,250
2	30,180	31,750	31,050	30,760	30,610	30,880	30,910	30,750	30,620	30,730	30,150	30,270
3	30,270	31,480	31,010	30,820	30,490	30,860	30,940	30,750	30,620	30,730	30,160	30,200
4	30,290	31,290	30,970	33,260	30,330	30,840	30,960	30,750	30,600	30,750	30,150	30,160
5	e30,330	31,120	30,980	38,830	30,180	30,830	30,970	30,750	30,610	30,670	30,060	30,150
6	30,330	31,050	31,060	32,700	30,130	30,820	31,000	30,750	30,610	30,610	30,000	30,130
7	30,490	30,970	31,310	32,160	30,000	30,830	31,110	30,750	30,610	30,540	29,930	30,100
8	30,510	30,930	31,390	31,750	30,080	30,820	31,210	30,760	30,590	30,490	29,880	30,110
9	30,490	30,880	31,270	31,480	30,540	30,810	31,180	30,740	30,510	30,450	29,860	30,130
10	30,510	30,920	31,140	31,330	30,830	30,800	31,110	30,740	30,440	30,420	29,880	30,130
11	30,540	30,880	31,080	31,200	30,910	30,790	31,060	30,730	30,490	30,390	29,890	30,150
12	30,450	30,840	31,010	31,210	30,950	30,800	31,050	30,720	30,730	30,350	29,930	30,150
13	30,320	30,800	30,960	33,290	30,940	30,720	31,010	30,690	30,900	30,330	30,010	30,150
14	30,330	30,800	30,930	32,200	30,940	30,770	30,980	30,730	30,930	30,320	30,230	30,150
15	30,330	30,790	30,900	31,730	30,920	30,770	30,950	30,700	30,880	30,320	30,600	30,330
16	30,330	30,790	30,880	31,440	30,910	30,770	30,930	30,690	30,890	30,300	30,450	30,220
17	30,350	30,790	30,860	31,290	30,910	30,770	30,910	30,690	30,880	30,270	30,300	30,110
18	30,350	30,800	30,840	31,160	30,900	30,770	30,900	30,670	30,830	30,270	30,230	30,010
19	30,350	30,790	30,820	31,090	30,920	30,750	30,890	30,640	30,790	30,250	30,250	29,940
20	30,370	30,760	30,810	31,060	30,910	30,770	30,870	30,670	30,760	30,220	30,250	29,940
21	30,400	30,770	30,760	31,020	30,900	30,820	30,860	30,700	30,740	30,150	30,270	29,940
22	30,440	30,780	30,730	30,960	30,870	30,790	30,810	30,690	30,720	30,080	30,250	29,940
23	30,440	30,780	30,740	30,950	30,910	30,780	30,800	30,830	30,700	30,000	30,270	29,980
24	30,450	30,790	30,750	30,980	30,870	30,810	30,800	30,800	30,670	29,940	30,230	30,010
25	30,470	30,810	30,760	31,010	30,880	30,800	30,840	30,770	30,650	29,880	30,220	30,000
26	30,560	30,870	30,750	31,060	30,900	30,790	30,820	30,780	30,630	30,180	30,220	30,010
27	30,610	30,880	30,750	31,080	30,920	30,810	30,810	30,770	30,590	30,160	30,250	30,030
28	30,600	30,900	30,740	31,080	30,900	30,820	30,800	30,760	30,590	30,110	30,270	29,980
29	30,650	30,930	30,740	31,080	---	30,830	30,760	30,760	30,640	30,100	30,250	29,940
30	30,610	31,010	30,740	31,080	---	30,800	30,760	30,750	30,700	30,110	30,250	29,930
31	30,760	---	30,740	30,920	---	30,830	---	30,740	---	30,110	30,250	---
MAX	30,760	31,750	31,390	38,830	30,950	30,890	31,210	30,830	30,930	30,750	30,600	30,330
MIN	30,110	30,760	30,730	30,740	30,000	30,720	30,760	30,640	30,440	29,880	29,860	29,930
(#)	680.16	680.40	680.14	680.31	680.29	680.23	680.16	680.14	680.10	679.72	679.80	679.61
(#)	+710	+250	-270	+180	-20	-70	-70	-20	-40	-590	+140	-320

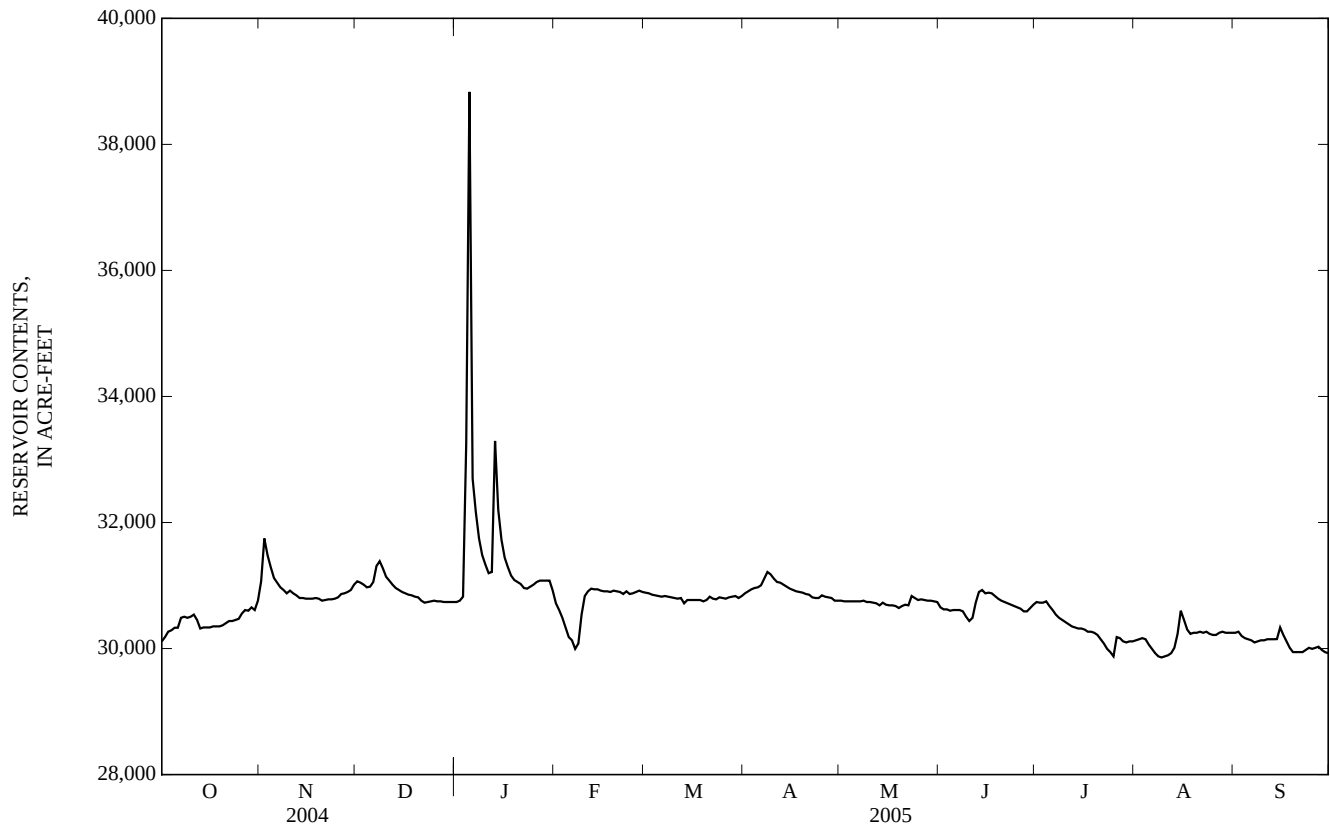
CAL YR 2004 MAX 37540 MIN 29460 (#) +1230
WTR YR 2005 MAX 38830 MIN 29860 (#) -120

e Estimated

(#) ELEVATION, IN FEET, AT END OF MONTH

(#) CHANGE IN CONTENTS, IN ACRE-FEET

07191300 SPAVINAW LAKE AT SPAVINAW, OK—Continued



07191400 LAKE HUDSON NEAR LOCUST GROVE, OK

LOCATION.--Lat 36°13'48", long 95°10'55", in SE 1/4 NW 1/4 sec.9, T.20 N., R. 20 E., Mayes County, Hydrologic Unit 11070209, at left side of Robert S. Kerr dam on Neosho River, 2.0 mi northwest of Locust Grove, 3.5 mi downstream from Saline Creek, and at mile 47.3.

DRAINAGE AREA.--11,534 mi².

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Remote-controlled indicator and nonrecording gage. Datum of gage is NGVD of 1929.

REMARKS.--Reservoir is formed by earth dam and concrete spillway controlled by seventeen 22-foot taintor gates. Storage began Nov. 12, 1963; power pool first filled June 12, 1964. Capacity, 444,500 acre-ft at elevation 636.0 ft, top of taintor gates, 200,300 acre-ft at elevation 619.0 ft, power pool, and 48,630 acre-ft at elevation 599.0 ft, top of spillway crest. Figures given herein represent total contents. Reservoir was designed for flood control and power development. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 443,600 acre-ft, Oct. 4, 1986 and June 15, 1995, elevation, 635.95 ft; minimum since power pool first filled, 153,200 acre-ft, Mar. 24, 1988, elevation, 614.31 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 365,600 acre-ft, Jan. 6, elevation, 631.46 ft; minimum, 191,400 acre-ft, Oct. 18, elevation, 618.17 ft.

Capacity table (elevation, in feet, and contents, in acre-ft):

615	159,600	630	342,600
620	211,300	635	426,100
625	272,000	640	525,100

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208,100	218,900	209,300	205,900	208,800	214,100	207,000	208,400	207,500	219,800	221,700	220,600
2	201,500	222,100	213,200	207,000	212,800	214,500	205,400	211,000	210,100	222,900	222,500	220,500
3	204,900	226,800	212,500	204,900	217,400	215,600	207,900	210,100	213,900	222,600	221,600	224,900
4	205,300	228,700	202,700	228,500	209,000	213,600	210,200	211,000	208,800	218,800	222,200	230,500
5	204,500	227,100	202,600	318,100	205,400	216,000	214,300	206,800	210,800	212,000	221,500	229,000
6	200,100	225,400	213,100	362,000	206,300	213,100	219,700	207,300	210,900	216,900	223,100	233,700
7	202,800	222,600	217,000	341,100	212,800	214,800	226,100	206,300	211,100	218,900	224,900	233,200
8	204,600	225,700	221,400	311,100	212,700	214,000	224,300	206,500	210,200	222,900	223,100	230,300
9	200,200	227,100	237,500	301,600	213,300	212,400	225,100	210,600	204,600	227,100	225,700	236,200
10	197,700	229,300	249,600	288,600	212,800	210,600	219,400	215,100	207,800	221,900	226,600	233,400
11	202,600	233,900	247,600	272,500	206,800	207,400	219,000	216,700	212,300	222,200	221,600	231,600
12	200,300	233,800	242,900	251,400	205,800	209,000	217,300	213,700	210,200	221,600	218,200	227,800
13	201,500	229,700	238,900	243,100	208,100	207,300	219,900	215,600	224,600	223,400	218,500	226,400
14	199,200	230,000	229,600	248,500	206,500	205,300	218,000	209,400	230,500	223,400	218,000	226,000
15	193,700	226,000	229,600	245,600	211,800	207,700	211,100	208,100	230,800	225,800	223,100	223,000
16	198,900	221,600	218,400	233,700	213,100	211,900	214,100	212,800	232,700	225,900	223,100	222,700
17	196,400	231,900	212,300	220,100	208,400	213,400	213,300	211,700	235,300	222,900	221,500	220,200
18	203,400	233,200	211,600	212,400	209,600	211,500	220,900	214,000	234,300	224,900	219,200	224,500
19	205,400	227,400	214,300	206,400	208,500	215,000	220,900	214,500	233,300	223,200	219,900	223,000
20	203,400	226,000	208,500	204,800	207,700	212,000	218,900	213,100	238,100	227,400	218,100	222,400
21	204,400	221,900	205,400	212,000	210,000	216,700	217,400	210,400	240,900	232,400	219,000	218,400
22	205,300	220,600	205,100	213,600	215,200	214,900	215,700	213,100	240,600	232,700	218,200	215,200
23	202,600	210,900	199,700	210,100	219,600	214,200	213,400	211,700	242,700	232,500	218,100	211,700
24	202,400	211,700	199,100	209,100	219,700	212,600	209,700	210,500	244,200	230,000	219,700	209,900
25	205,800	207,800	195,500	205,100	212,500	206,700	212,300	213,500	246,000	230,000	211,900	211,000
26	214,800	209,900	196,400	211,600	213,200	206,900	209,900	215,600	249,100	225,200	212,700	209,700
27	216,000	212,700	204,500	202,700	216,600	204,400	211,800	206,900	240,100	219,800	217,300	206,700
28	217,400	206,700	212,300	204,500	214,900	210,500	213,500	204,500	234,900	224,500	217,600	205,800
29	220,900	213,100	207,400	209,500	---	209,800	215,500	209,300	230,700	223,800	220,000	204,100
30	215,500	203,500	208,400	209,900	---	209,000	213,100	212,000	227,000	223,600	220,700	202,000
31	215,500	---	207,900	209,100	---	210,700	---	209,900	---	223,000	219,700	---
MAX	220,900	233,900	249,600	362,000	219,700	216,700	226,100	216,700	249,100	232,700	226,600	236,200
MIN	193,700	203,500	195,500	202,700	205,400	204,400	205,400	204,500	204,600	212,000	211,900	202,000
	620.36	619.29	619.69	619.80	620.31	619.94	620.15	619.87	621.36	621.02	620.73	619.15
	+7400	-12000	+4400	+1200	+5800	-4200	+2400	-3200	+17100	-4000	-3300	-17700

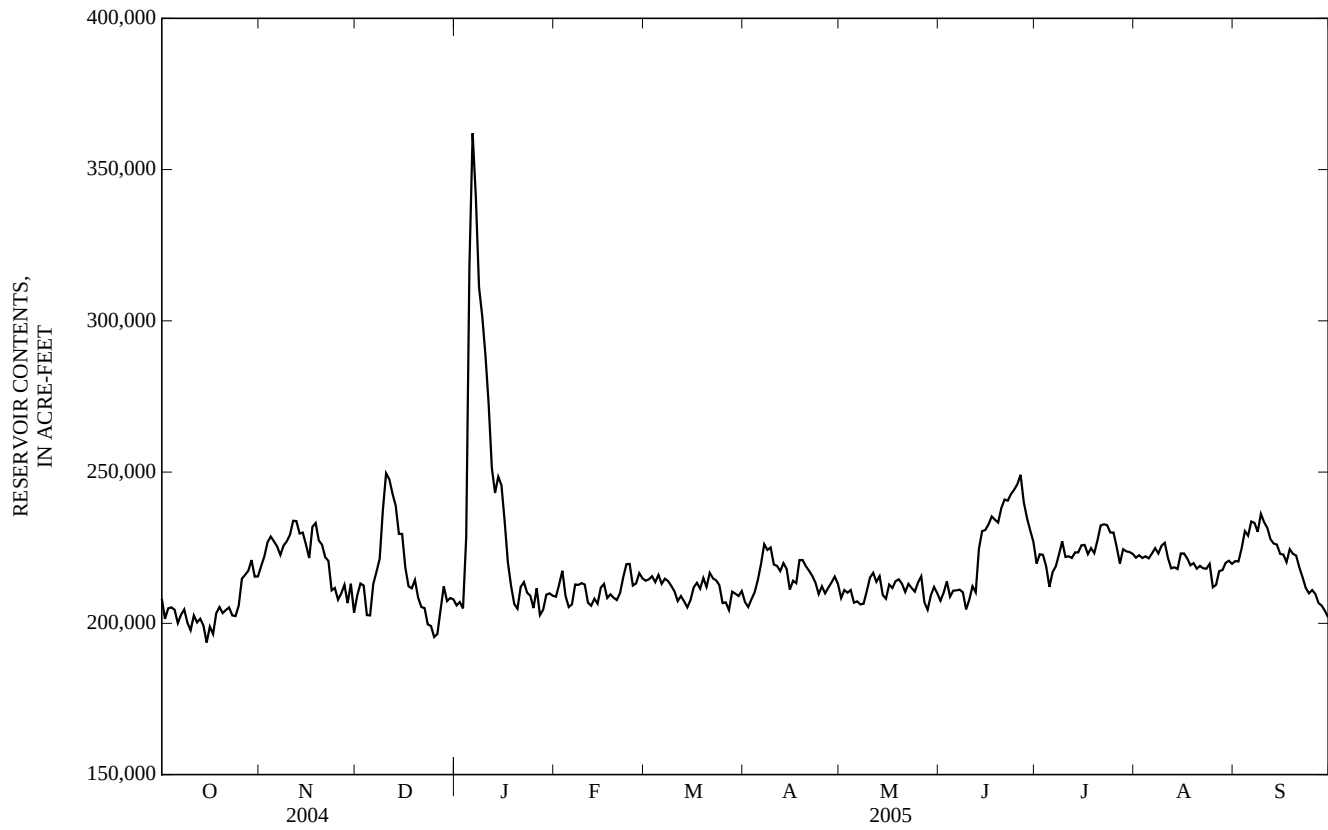
CAL YR 2004 MAX 316900 MIN 193700 (##) -3500

WTR YR 2005 MAX 362000 MIN 193700 (##) -6100

(#) ELEVATION, IN FEET, AT END OF MONTH

(##) CHANGE IN CONTENTS, IN ACRE-FEET

07191400 LAKE HUDSON NEAR LOCUST GROVE, OK—Continued



07191500 NEOSHO RIVER NEAR CHOUTEAU, OK

LOCATION.--Lat 36°13'46", long 95°10'57", in SE ¼ NW ¼ sec.9, T.20 N., R.20 E., Mayes County, Hydrologic Unit 11070209, in Robert S. Kerr Dam about 100 ft from left end of dam, 2.2 mi northwest of Locust Grove, 10.0 mi northeast of Chouteau, and at mile 47.2.

DRAINAGE AREA.--11,534 mi².

PERIOD OF RECORD.--October 1937 to September 1950, October 1963 to current year.

REVISED RECORDS.--WSP 1117: Drainage area. WDR OK-86-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 554.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 3, 1941, nonrecording gage at bridge on State Highway 33, 8.2 mi downstream, at datum 17.63 ft lower. Apr. 3, 1941 to Sept. 30, 1950, and Oct. 1963 to Apr. 6, 1964, at site 2.5 mi downstream, at datum 2.17 ft lower. Supplemental water-stage recorder Oct. 4, 1963, to July 10, 1973, at site 8.2 mi downstream.

REMARKS.--Records fair except for estimated periods which are poor. Some regulation since 1940 by Lake O' The Cherokees (station 07190000), and completely regulated since 1963 by Lake Hudson (station 07191400).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462	10,800	15,100	447	10,200	14,000	10,700	534	9,280	17,000	7,360	14,100
2	463	10,200	16,700	4,900	12,000	12,900	8,240	442	6,370	14,900	7,680	14,100
3	459	11,100	18,400	14,800	11,600	14,200	1,370	420	6,550	15,400	9,650	10,600
4	453	12,400	16,600	11,600	11,800	15,500	1,100	569	8,360	17,000	7,990	14,800
5	440	e12,700	11,900	17,900	1,330	1,590	3,650	466	13,200	19,800	6,660	11,200
6	440	e8,050	9,150	49,000	494	403	3,260	419	16,300	15,700	7,150	12,100
7	455	e8,280	24,200	e77,700	6,240	4,070	10,700	668	14,600	14,500	7,030	13,300
8	446	e8,920	30,400	e83,900	12,900	9,460	15,200	467	16,200	13,500	8,000	15,400
9	428	e8,450	24,200	e59,700	16,600	8,630	17,800	5,180	17,100	14,600	8,310	13,300
10	431	e6,480	21,100	e43,300	17,500	9,240	19,200	10,400	15,100	13,500	3,440	11,900
11	461	e7,530	15,700	e42,600	17,400	8,610	16,000	3,980	13,300	10,000	6,940	11,700
12	459	e12,800	15,300	e41,700	9,540	1,120	11,800	613	23,100	9,270	5,360	12,500
13	412	13,500	15,700	e43,000	10,500	1,350	9,010	1,420	30,800	8,320	795	13,800
14	338	12,400	18,300	e44,200	12,800	733	11,100	619	37,600	8,530	1,250	7,430
15	293	17,000	13,600	e44,200	13,000	372	10,900	411	38,100	8,470	6,920	964
16	282	15,400	16,200	e43,300	14,700	346	1,840	6,990	37,400	8,940	3,990	363
17	279	4,080	14,000	e35,500	15,900	347	478	10,500	36,400	9,230	2,710	334
18	297	5,380	1,420	32,800	11,000	642	6,820	11,500	33,200	8,690	5,610	1,190
19	286	15,800	464	25,400	8,890	6,160	8,040	13,300	26,100	8,120	3,710	7,650
20	277	10,700	13,200	18,500	8,750	6,520	7,690	16,500	15,700	7,980	672	4,560
21	279	5,080	14,500	15,000	e9,200	8,840	6,300	11,800	13,400	12,300	343	3,780
22	295	10,700	10,800	15,300	e11,000	9,670	4,700	12,000	14,400	8,600	315	4,610
23	306	e15,500	15,800	18,600	14,700	11,400	1,060	16,800	14,600	5,770	312	4,480
24	300	e15,000	13,300	18,000	16,100	12,000	461	17,900	13,900	5,130	1,250	750
25	295	e11,300	1,030	20,400	15,900	9,840	5,400	16,300	14,200	7,890	9,180	387
26	292	e11,700	450	11,800	8,630	1,690	8,100	14,600	13,900	7,870	12,900	361
27	2,210	e13,600	4,250	22,600	7,240	390	8,340	19,100	18,100	2,700	13,300	362
28	1,390	e15,600	6,430	18,500	12,300	6,810	11,000	9,270	17,000	2,050	12,700	363
29	1,750	e12,200	6,210	3,160	---	6,640	5,250	11,500	16,200	5,560	13,700	359
30	747	19,900	3,890	3,470	---	7,850	1,680	11,600	17,600	5,350	13,400	354
31	360	---	978	9,790	---	7,150	---	9,660	---	4,290	14,000	---
TOTAL	16,085	342,550	389,272	891,067	318,214	198,473	227,189	235,928	568,060	310,960	202,627	207,097
MEAN	519	11,420	12,560	28,740	11,360	6,402	7,573	7,611	18,940	10,030	6,536	6,903
MAX	2,210	19,900	30,400	83,900	17,500	15,500	19,200	19,100	38,100	19,800	14,000	15,400
MIN	277	4,080	450	447	494	346	461	411	6,370	2,050	312	334
AC-FT	31,900	679,400	772,100	1,767,000	631,200	393,700	450,600	468,000	1,127,000	616,800	401,900	410,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	5,641	8,561	7,959	7,063	7,598	12,260	13,120	12,420	13,240	8,794	4,490	4,444
MAX	59,840	40,780	40,400	28,740	23,640	39,260	46,000	40,650	48,020	28,710	15,140	28,460
(WY)	(1987)	(1986)	(1993)	(2005)	(1985)	(1973)	(1973)	(1995)	(1995)	(1976)	(1993)	(1993)
MIN	169	83.3	87.5	189	79.4	75.8	160	122	735	1,067	603	591
(WY)	(1964)	(1964)	(1964)	(1981)	(1964)	(1964)	(1971)	(1964)	(1972)	(1991)	(1991)	(1983)

e Estimated

07191500 NEOSHO RIVER NEAR CHOUTEAU, OK—Continued

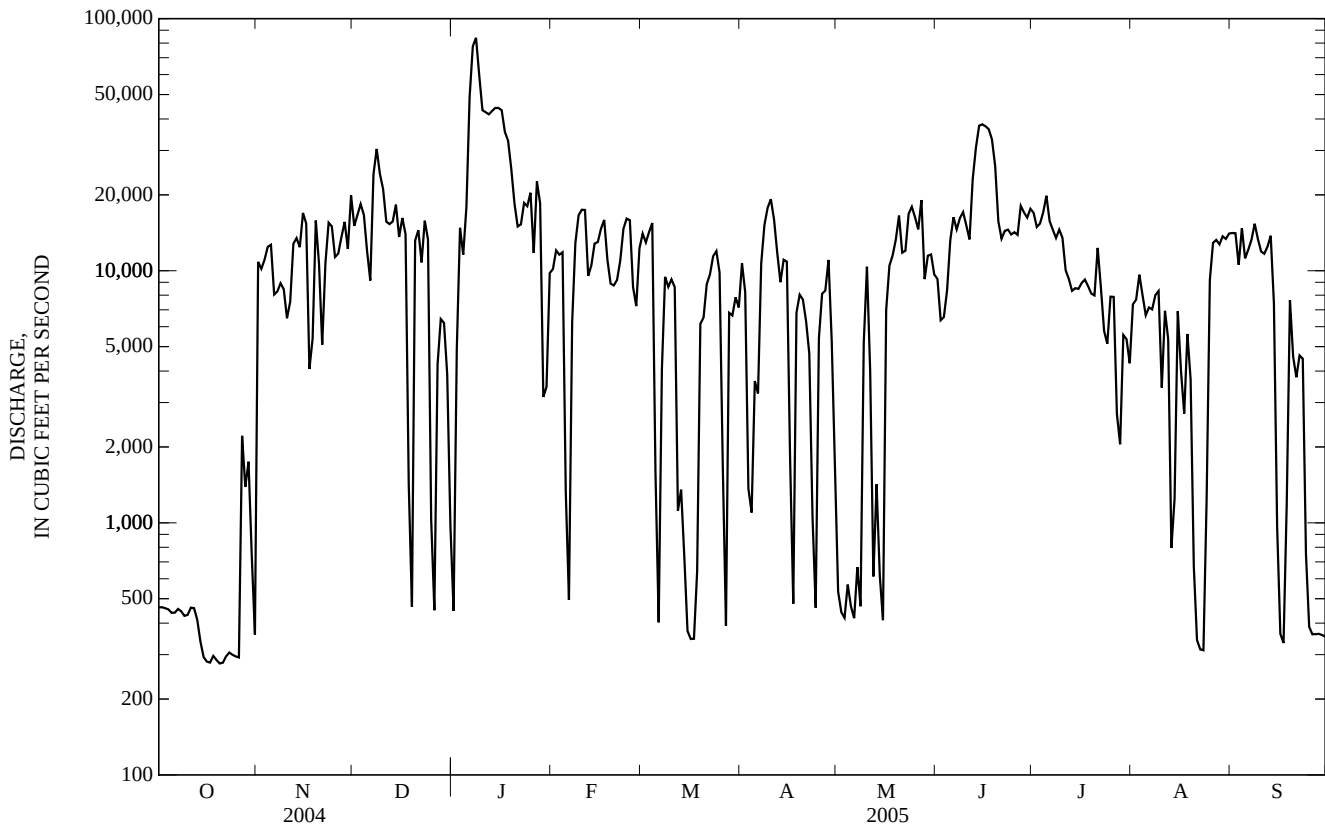
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	4,101,943		3,907,522		a8,798	
ANNUAL MEAN	11,210		10,710		22,240	
HIGHEST ANNUAL MEAN					1,924	
LOWEST ANNUAL MEAN					154,000	
HIGHEST DAILY MEAN	62,000	Mar 8	83,900	Jan 8	Jun 11, 1995	
LOWEST DAILY MEAN	266	Jan 14	277	Oct 20	b12	
ANNUAL SEVEN-DAY MINIMUM	285	Oct 15	285	Oct 15	45	
MAXIMUM PEAK FLOW			83,900	Jan 8	c164,000	
MAXIMUM PEAK STAGE			d25.81	Jan 9	d36.29	
ANNUAL RUNOFF (AC-FT)	8,136,000		7,751,000		6,373,000	
10 PERCENT EXCEEDS	23,900		18,300		21,600	
50 PERCENT EXCEEDS	10,100		9,270		4,800	
90 PERCENT EXCEEDS	438		436		194	

a Since regulation by Lake Hudson.

b Minimum daily for period of record, caused by closure of Robert S. Kerr Dam.

c Maximum discharge for period of record, 400,000ft³/s, May 20, 1943, gage height 45.00 ft, site and datum them in use, rating curve extended above 140,000 ft³/s on basis of slope-area measurement of peak flow.

d Occurred during backwater.



07194500 ARKANSAS RIVER NEAR MUSKOGEE, OK

LOCATION.--Lat 35°46'10", long 95°17'55", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.15 N., R.19 E., Muskogee County, Hydrologic Unit 11110102, on downstream side of left pier of bridge on U.S. Highway 62, 1.7 miles downstream from Neosho River, 3.5 miles northeast of Muskogee, and at mile 457.8.

DRAINAGE AREA.--96,409 mi² of which 12,541 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1926 to September 1970, July 2003 to current year. Published as "at Webbers Falls" October 1933 to February 1935. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 471.38 ft above NGVD of 1929. See WSP 1921 for history of changes prior to Feb. 21, 1931.

REMARKS.--Records fair except for estimated periods and discharges less than 1000 cfs which are poor. Some regulation since 1940 by Grand Lake; further regulation since 1941 by Great Salt Plains Lake, and since 1951 by Hulah Lake. Flow regulated since 1953 by Fort Gibson Lake (station 07193000). Flow regulated since September 1964 by Keystone Lake (station 07164200). Flow regulated by Chouteau Lock and Dam upstream and Webbers Falls Lock and Dam downstream since 1970.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,570	29,800	39,400	3,410	34,900	44,000	31,400	5,600	14,200	50,000	11,800	54,400
2	e3,350	20,600	39,700	4,560	36,500	43,100	35,400	4,100	21,400	43,300	12,700	51,600
3	3,130	16,200	41,000	19,600	42,400	40,400	24,700	e2,880	18,400	40,300	13,500	45,900
4	2,530	24,600	35,700	28,000	40,700	36,400	22,300	3,300	16,200	39,700	12,600	39,200
5	1,890	26,500	32,900	58,700	37,800	e33,600	20,200	e3,730	18,900	39,700	13,900	37,100
6	e3,880	19,700	26,600	69,700	32,400	23,300	25,400	e6,650	21,700	40,900	17,900	36,600
7	2,220	19,200	37,200	71,400	43,500	19,400	39,000	e7,250	21,700	44,000	12,800	35,900
8	7,550	18,200	53,800	86,100	47,100	e17,700	32,600	5,560	22,300	44,300	15,000	35,700
9	4,220	15,900	48,700	92,600	45,200	24,400	30,600	7,790	28,800	43,500	11,100	31,500
10	2,990	11,000	46,200	91,500	41,100	25,100	e28,700	8,150	37,200	42,800	13,000	26,900
11	6,640	16,700	44,300	91,200	37,000	24,500	e27,700	15,800	43,400	43,000	10,300	24,800
12	e6,340	17,300	41,900	92,000	33,800	15,100	e27,400	9,910	45,600	42,800	13,200	19,100
13	6,240	24,300	34,800	80,300	34,100	8,810	27,800	8,390	60,000	42,300	10,200	18,900
14	2,980	29,700	29,400	83,400	38,600	10,800	26,400	8,390	76,000	40,400	8,770	21,800
15	e2,600	28,000	32,100	97,700	43,200	5,280	22,400	8,000	78,300	40,000	14,400	24,400
16	1,770	24,300	25,400	101,000	45,100	3,680	17,900	8,520	84,200	36,400	20,300	20,900
17	697	28,900	21,200	98,500	41,900	4,090	18,000	13,500	89,900	32,500	12,500	14,200
18	2,430	30,100	20,200	92,300	24,200	4,730	12,300	13,900	96,000	32,400	11,800	15,700
19	2,590	31,100	20,000	80,300	19,500	4,350	9,960	15,400	108,000	29,500	9,690	14,600
20	4,550	26,500	11,600	73,800	13,000	12,700	12,600	20,200	105,000	26,100	10,700	13,400
21	6,460	25,900	9,390	62,400	10,900	9,550	16,100	22,200	103,000	26,800	9,580	12,300
22	6,610	19,600	12,100	59,700	13,600	16,900	6,960	19,600	93,800	25,200	4,630	14,800
23	3,680	30,500	12,500	54,300	28,900	17,500	11,300	17,500	79,400	22,500	e11,100	e28,300
24	2,350	35,400	19,400	53,000	38,000	21,600	6,190	20,100	77,100	24,000	15,500	29,100
25	3,060	40,700	16,600	52,000	42,100	26,700	6,690	24,300	76,300	22,800	22,300	16,500
26	5,830	39,600	4,270	49,900	43,400	29,100	11,200	30,100	79,200	15,500	33,700	8,870
27	7,660	40,800	727	43,900	41,700	20,400	10,900	33,300	80,000	13,200	47,500	6,780
28	12,400	36,800	9,490	41,600	41,100	20,500	10,900	32,300	79,800	11,400	53,600	6,850
29	6,570	40,300	6,120	38,600	---	28,800	16,000	24,900	76,900	9,910	57,900	7,580
30	4,890	43,000	10,000	37,800	---	29,500	4,850	17,400	64,700	11,500	59,600	8,340
31	6,910	---	9,480	37,600	---	29,800	---	16,100	---	9,650	55,400	---
TOTAL	138,587	811,200	792,177	1,946,870	991,700	651,790	593,850	434,820	1,817,400	986,360	626,970	722,020
MEAN	4,471	27,040	25,550	62,800	35,420	21,030	19,800	14,030	60,580	31,820	20,220	24,070
MAX	12,400	43,000	53,800	101,000	47,100	44,000	39,000	33,300	108,000	50,000	59,600	54,400
MIN	697	11,000	727	3,410	10,900	3,680	4,850	2,880	14,200	9,650	4,630	6,780
AC-FT	274,900	1,609,000	1,571,000	3,862,000	1,967,000	1,293,000	1,178,000	862,500	3,605,000	1,956,000	1,244,000	1,432,000

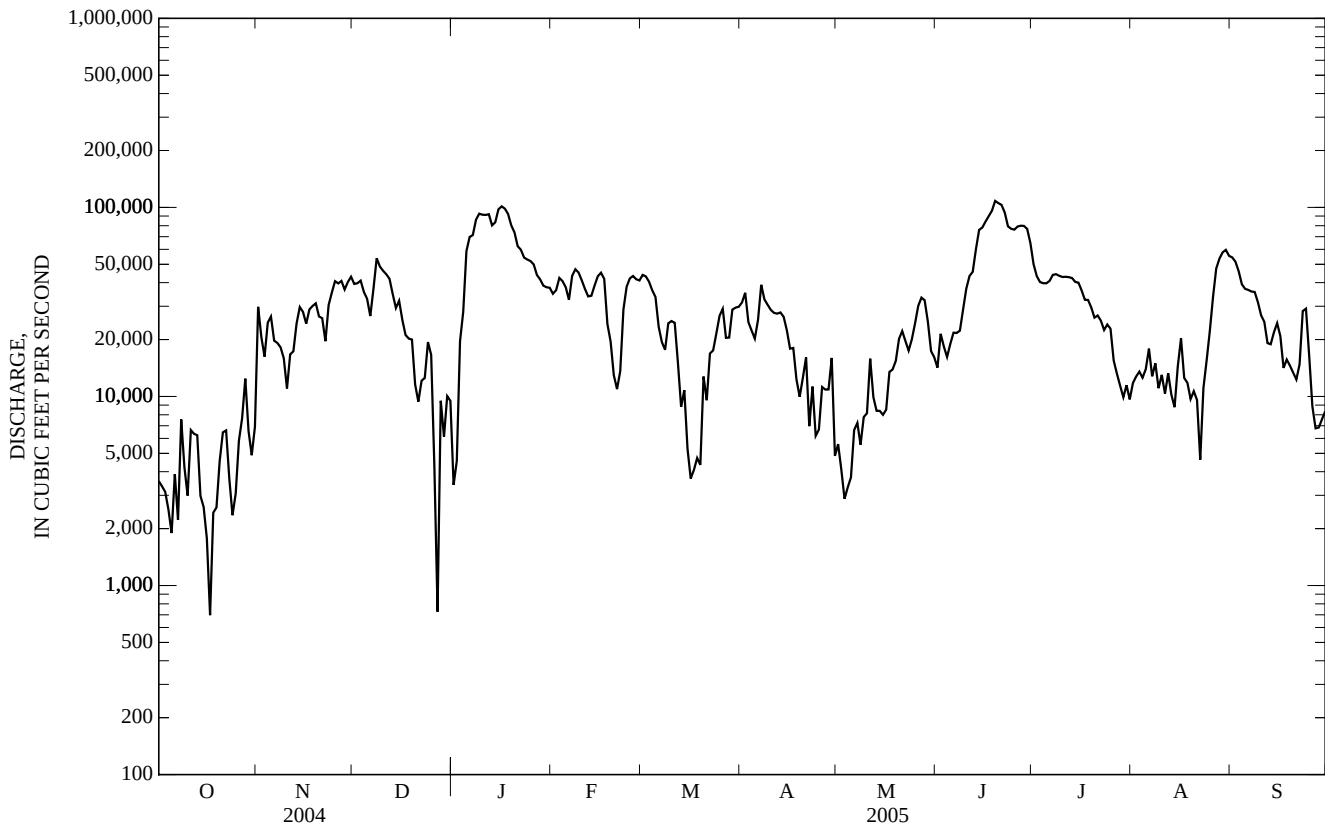
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	MEAN	7,732	16,610	18,590	40,520	28,650	46,270	28,450	31,950	42,860	39,870	16,010	16,230
MAX	10,990	27,040	25,550	62,800	35,420	71,520	37,100	49,870	60,580	47,930	20,220	24,070	
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)
MIN	4,471	6,178	11,620	18,240	22,120	21,030	19,800	14,030	25,130	31,820	9,599	3,205	
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2004)	(2005)	(2003)	(2004)	

07194500 ARKANSAS RIVER NEAR MUSKOGEE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	10,725,434		10,513,744		a27,880	
ANNUAL MEAN	29,300		28,800		28,800	
HIGHEST ANNUAL MEAN					26,970	
LOWEST ANNUAL MEAN					121,000	
HIGHEST DAILY MEAN	121,000	Mar 8	108,000	Jun 19	121,000	Mar 8, 2004
LOWEST DAILY MEAN	697	Oct 17	697	Oct 17	b697	Oct 17, 2004
ANNUAL SEVEN-DAY MINIMUM	2,390	Sep 24	2,520	Oct 14	2,390	Sep 24, 2004
MAXIMUM PEAK FLOW			112,000	Jun 19	c127,000	Mar 8, 2004
MAXIMUM PEAK STAGE			27.49	Jun 19	d27.62	Mar 10, 2004
ANNUAL RUNOFF (AC-FT)	21,270,000		20,850,000		20,200,000	
10 PERCENT EXCEEDS	60,400		59,100		59,700	
50 PERCENT EXCEEDS	26,000		24,000		21,900	
90 PERCENT EXCEEDS	3,220		5,580		4,090	

- a Prior gage operation, water years 1926-70, 19,520 ft³/s
b Minimum daily prior to regulation, 66 ft³/s Oct. 9, 1956.
c Maximum discharge for period of record, 700,000 ft³/s, May 21, 1943.
d Maximum gage height for period of record, 48.20 ft, May 21, 1943.



07195500 ILLINOIS RIVER NEAR WATTS, OK

LOCATION.--Lat 36°07'48", long 94°34'19", in NW ¼ sec.18, T.19 N., R.26 E., Adair County, Hydrologic Unit 11110103, near right bank on downstream side of pier of bridge on U.S. Highway 59, 1.5 mi north of Watts, 4.5 mi downstream from Cincinnati Creek, and at mile 106.2.

DRAINAGE AREA.--635 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 893.78 ft above NGVD of 1929.

REMARKS.--Records good. Since July 2, 1957, small diversion for municipal water supply for the city of Siloam Springs, Ark., upstream from station. U.S. Army Corps of Engineers' satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 1	2200	7,660	11.18	Jan 13	1630	13,500	15.54
Jan 6	0100	*14,900	*16.33				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	4,920	1,460	298	540	547	502	354	217	177	100	110
2	151	3,020	1,100	292	533	505	929	331	214	225	93	110
3	155	1,430	886	1,490	565	478	731	320	209	193	98	108
4	138	1,300	746	6,430	559	462	592	310	203	166	95	114
5	132	949	671	12,200	535	446	537	306	230	154	97	134
6	131	722	977	9,360	524	420	1,390	298	255	150	109	114
7	131	574	3,150	3,750	551	e407	2,070	294	262	148	e157	109
8	149	484	2,250	2,650	577	e413	1,400	295	238	142	e153	108
9	179	425	1,630	2,060	550	e400	1,060	293	206	135	e144	106
10	171	381	1,290	1,720	531	e387	861	289	198	131	e141	104
11	167	588	1,040	1,520	501	379	2,320	275	185	130	135	100
12	174	901	866	1,510	489	367	2,320	260	185	129	129	94
13	174	574	743	8,990	521	353	1,470	250	218	124	126	95
14	167	466	640	4,130	591	338	1,140	275	266	118	134	109
15	165	404	567	2,580	538	332	938	350	257	117	190	231
16	167	370	528	1,970	503	328	792	269	201	117	208	396
17	155	344	498	1,630	474	322	684	247	221	128	201	218
18	147	347	472	1,410	453	317	600	243	365	117	192	169
19	144	512	433	1,250	440	310	556	234	309	111	170	145
20	150	493	406	1,130	428	301	521	229	263	111	170	136
21	154	419	392	1,030	434	315	486	221	245	111	185	132
22	157	377	378	933	512	459	459	212	231	107	161	124
23	162	366	361	822	576	514	430	329	219	109	151	118
24	163	439	350	756	978	449	403	695	207	128	150	118
25	154	1,080	329	719	772	437	379	414	195	130	143	118
26	161	690	315	679	642	484	387	348	190	107	134	125
27	171	1,000	311	626	578	450	391	290	186	120	130	123
28	245	1,250	311	592	566	476	374	266	183	152	124	121
29	404	926	309	602	---	468	421	244	179	136	121	126
30	296	1,410	306	595	---	441	381	230	172	118	113	140
31	261	---	305	560	---	409	---	216	---	108	112	---
TOTAL	5,415	27,161	24,020	74,284	15,461	12,714	25,524	9,187	6,709	4,149	4,366	4,055
MEAN	175	905	775	2,396	552	410	851	296	224	134	141	135
MAX	404	4,920	3,150	12,200	978	547	2,320	695	365	225	208	396
MIN	131	344	305	292	428	301	374	212	172	107	93	94
AC-FT	10,740	53,870	47,640	147,300	30,670	25,220	50,630	18,220	13,310	8,230	8,660	8,040
CFSM	0.28	1.43	1.22	3.77	0.87	0.65	1.34	0.47	0.35	0.21	0.22	0.21
IN.	0.32	1.59	1.41	4.35	0.91	0.74	1.50	0.54	0.39	0.24	0.26	0.24

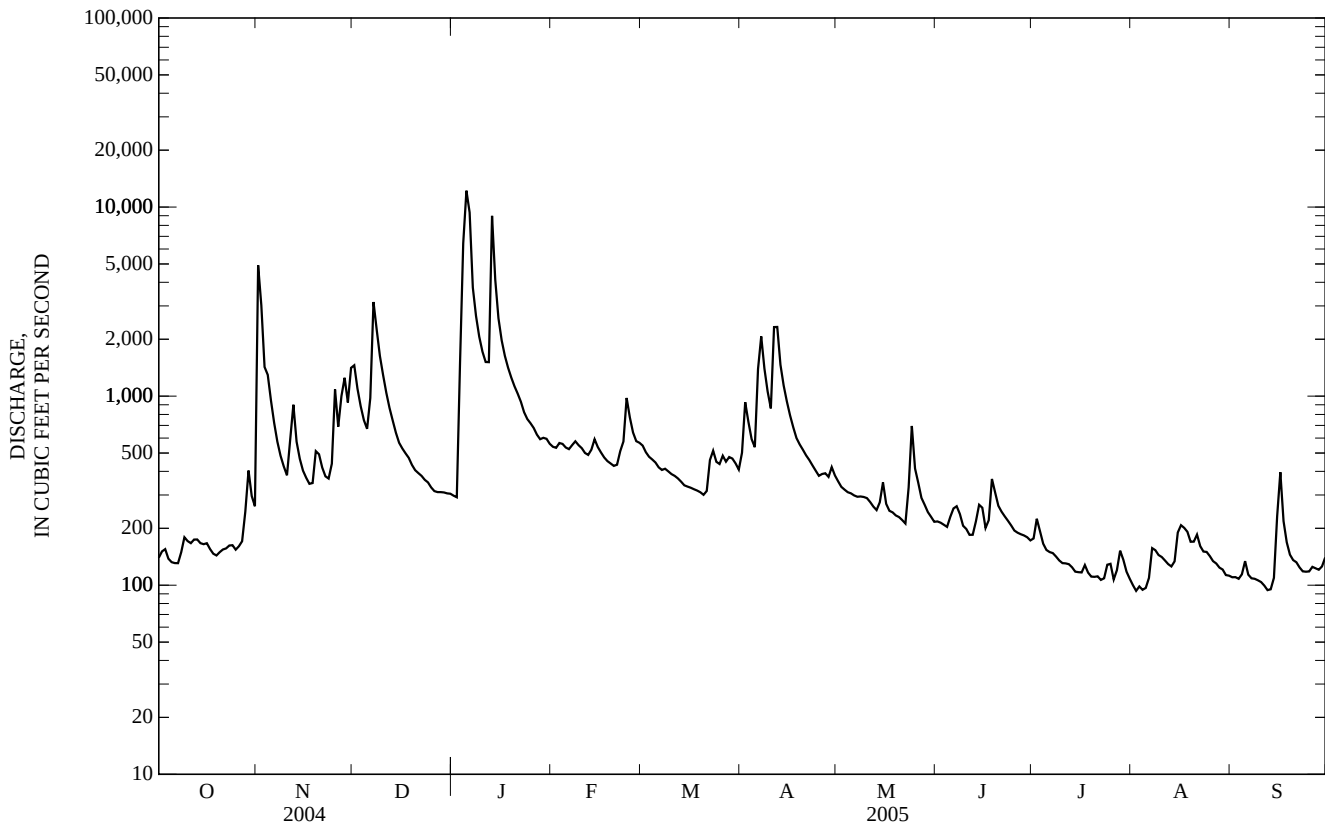
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

MEAN	351	656	676	610	706	971	1,032	977	695	374	239	282
MAX	2,734	3,087	2,786	2,396	2,361	2,934	3,347	4,286	3,552	1,807	1,172	1,393
(WY)	(1987)	(1974)	(1988)	(2005)	(2001)	(1973)	(1957)	(1961)	(2000)	(1958)	(1961)	(1986)
MIN	20.9	65.6	60.4	61.4	75.1	114	176	144	113	50.7	33.2	14.9
(WY)	(1957)	(1964)	(1956)	(1956)	(1964)	(1956)	(1963)	(1977)	(1963)	(1964)	(1956)	(1956)

e Estimated

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	251,960		213,045		630	
ANNUAL MEAN	688		584		1,247	
HIGHEST ANNUAL MEAN					151	
LOWEST ANNUAL MEAN					34,500	
HIGHEST DAILY MEAN	19,200	Apr 24	12,200	Jan 5	10	Oct 1, 1986
LOWEST DAILY MEAN	131	Oct 6	93	Aug 2	11	Sep 19, 1956
ANNUAL SEVEN-DAY MINIMUM	138	Sep 24	100	Jul 31	25.96	Jul 25, 1960
MAXIMUM PEAK FLOW			14,900	Jan 6	456,300	
MAXIMUM PEAK STAGE			16.33	Jan 6	0.992	
ANNUAL RUNOFF (AC-FT)	499,800		422,600		13.48	
ANNUAL RUNOFF (CFSM)	1.08		0.919		1,260	
ANNUAL RUNOFF (INCHES)	14.76		12.48		295	
10 PERCENT EXCEEDS	1,230		1,110		103	
50 PERCENT EXCEEDS	346		315			
90 PERCENT EXCEEDS	163		119			

a From rating curve extended above 51,000 ft³/s.

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to July 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 14...	1540	1028	80020	167	6.0	--	755	9.0	94	8.2	381	13.9	16.7
NOV 01...	1530	1028	80020	5,450	180	--	755	9.5	100	7.5	207	19.5	17.2
DEC 16...	1000	1028	80020	534	3.0	--	772	12.1	96	7.9	295	3.7	5.9
JAN 04...	1415	1028	80020	7,720	200	--	748	10.2	95	7.4	146	10.9	11.3
FEB 22...	1545	1028	80020	518	4.7	--	743	11.0	105	8.0	305	16.7	12.2
APR 12...	1115	1028	80020	2,230	65	--	731	9.6	101	7.4	208	--	15.4
25...	1400	1028	80020	382	6.2	--	738	10.2	105	8.1	320	16.4	15.0
MAY 23...	1200	1028	80020	255	18	20	735	8.3	103	7.9	342	24.6	23.8
JUL 12...	1030	1028	80020	130	8.8	8.9	741	8.5	108	8.0	366	22.3	26.3
AUG 23...	1120	1028	80020	150	8.8	13	738	8.0	104	7.8	382	27.4	26.6
SEP 15...	1115	1028	80020	236	10	15	736	8.9	111	7.8	384	--	24.5

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

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	Potas- sium, water, fltrd, mg/L (00935)	Potas- sium, water, unfltrd recover- able, mg/L (00937)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium, water, unfltrd recover- able, mg/L (00929)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	130	9	48.2	50.7	2.16	2.05	4.20	4.3	.6	16.0	21	14.5	121
JUL 12...	130	8	49.1	49.3	2.10	1.96	4.86	4.5	.7	18.7	23	19.1	123
AUG 23...	140	14	51.9	50.5	2.03	2.08	5.95	6.2	.9	24.8	27	24.3	124
SEP 15...	130	11	49.9	47.0	1.95	1.95	6.08	5.7	1	25.5	28	24.6	122

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

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

Date	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 14...	--	--	--	--	--	--	--	.22	.02	.012	9.02	2.04	2.04
NOV 01...	--	--	--	--	--	--	--	1.4	.04	.028	8.81	1.99	2.00
DEC 16...	--	--	--	--	--	--	--	.22	--	E.006	17.2	3.88	3.88
JAN 04...	--	--	--	--	--	--	--	1.7	.14	.112	7.87	1.78	1.79
FEB 22...	--	--	--	--	--	--	--	.19	--	E.005	14.0	3.15	3.16
APR 12...	--	--	--	--	--	--	--	.84	.05	.038	6.37	1.44	1.45
MAY 25...	--	--	--	--	--	--	--	.20	.01	.010	10.2	2.31	2.31
MAY 23...	146	.0	--	--	--	--	--	.28	.06	.044	9.39	2.12	2.13
JUL 12...	E149	E.0	22.3	18.1	196	.27	68.7	.28	--	E.007	6.10	1.38	1.39
AUG 23...	149	.0	--	--	--	--	--	.23	.03	.026	5.30	1.20	1.21
SEP 15...	148	.0	27.0	21.8	212	.29	135	.32	.04	.028	6.03	1.36	1.37

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

Date	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, fltrd, ug/L (01106)	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, fltrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)
OCT 14...	.010	.003	.20	2.3	.291	.095	.109	.127	--	--	--	--	--
NOV 01...	.026	.008	1.4	3.4	1.11	.363	.35	.66	--	--	--	--	--
DEC 16...	.007	.002	--	4.1	.175	.057	.065	.070	--	--	--	--	--
JAN 04...	.043	.013	1.6	3.5	1.11	.362	.37	.68	--	--	--	--	--
FEB 22...	.026	.008	--	3.4	.077	.025	.037	.049	--	--	--	--	--
APR 12...	.030	.009	.80	2.3	.227	.074	.106	.20	--	--	--	--	--
MAY 25...	.016	.005	.19	2.5	.046	.015	.028	.053	--	--	--	--	--
MAY 23...	.030	.009	.23	2.4	.215	.070	.087	.131	2.5	2	261	<.20	<.2
JUL 12...	.020	.006	--	1.7	.267	.087	.102	.138	2.0	2	160	E.11	<.2
AUG 23...	.023	.007	.20	1.4	.362	.118	.141	.167	4.8	2	261	E.13	E.1
SEP 15...	.023	.007	.29	1.7	.331	.108	.125	.155	3.5	3	262	E.10	E.1

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

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

Date	Arsenic water, ftrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Cobalt water, unfltrd recover- able, ug/L (01037)	Copper, water, ftrd, ug/L (01040)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	.7	<2	57	59	<.06	E.04	E.02	E.03	E1	<2	.578	.878	2.0
JUL 12...	.8	<2	52	55	<.06	<.06	E.02	E.02	E1	<2	.407	.578	4.0
AUG 23...	1.0	<2	57	54	<.06	<.06	E.03	E.02	<2	<2	.606	.825	1.1
SEP 15...	.70	.93	54	52	<.06	E.04	E.02	E.03	E2	<2	--	.724	--

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

Date	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, ftrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, ftrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, ftrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, ftrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, ftrd, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, ftrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	1.3	<6	400	E.07	.83	23.8	61	<.01	<.01	1.2	1.1	2.34	1.93
JUL 12...	1.0	<6	190	E.06	.42	12.8	45	.04	<.01	1.6	1.5	3.15	1.99
AUG 23...	.9	<6	310	<.08	.49	12.3	49	.03	.05	2.1	1.9	4.15	3.28
SEP 15...	1.1	<6	330	<.08	.56	12.5	47	E.01	E.01	1.9	1.7	--	2.76

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 14...	--	--	--	--	--	--	--	--	--	--	100	46	21
NOV 01...	--	--	--	--	--	--	--	--	--	--	88	431	6,340
DEC 16...	--	--	--	--	--	--	--	--	--	--	94	4	5.8
JAN 04...	--	--	--	--	--	--	--	--	--	--	96	352	7,340
FEB 22...	--	--	--	--	--	--	--	--	--	--	92	14	20
APR 12...	--	--	--	--	--	--	--	--	--	--	97	113	680
MAY 25...	--	--	--	--	--	--	--	--	--	--	100	42	43
MAY 23...	.5	.4	<.2	<.16	<.04	<.2	1.4	M	2.2	3	98	62	43
JUL 12...	E.2	E.4	<.2	<.16	<.04	<.2	1.4	M	6.0	E2	87	18	6.3
AUG 23...	E.4	.7	<.2	<.16	<.04	<.2	1.9	M	3.6	2	87	20	8.1
SEP 15...	.14	E.2	<.2	<.16	<.04	<.2	1.1	M	2.2	2	96	21	13

ARKANSAS RIVER BASIN

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA

LOCATION.--Lat 36°12'58", long 94°36'15", in NE1/4NE1/4 sec.14, T.20 N., R.25 E., Delaware County, Oklahoma, Hydrologic Unit 11110103, on left bank 800 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Oklahoma.

DRAINAGE AREA.--59.8 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Flow is partially regulated by Lake Siloam Springs, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry. Satellite telemeter at station.

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

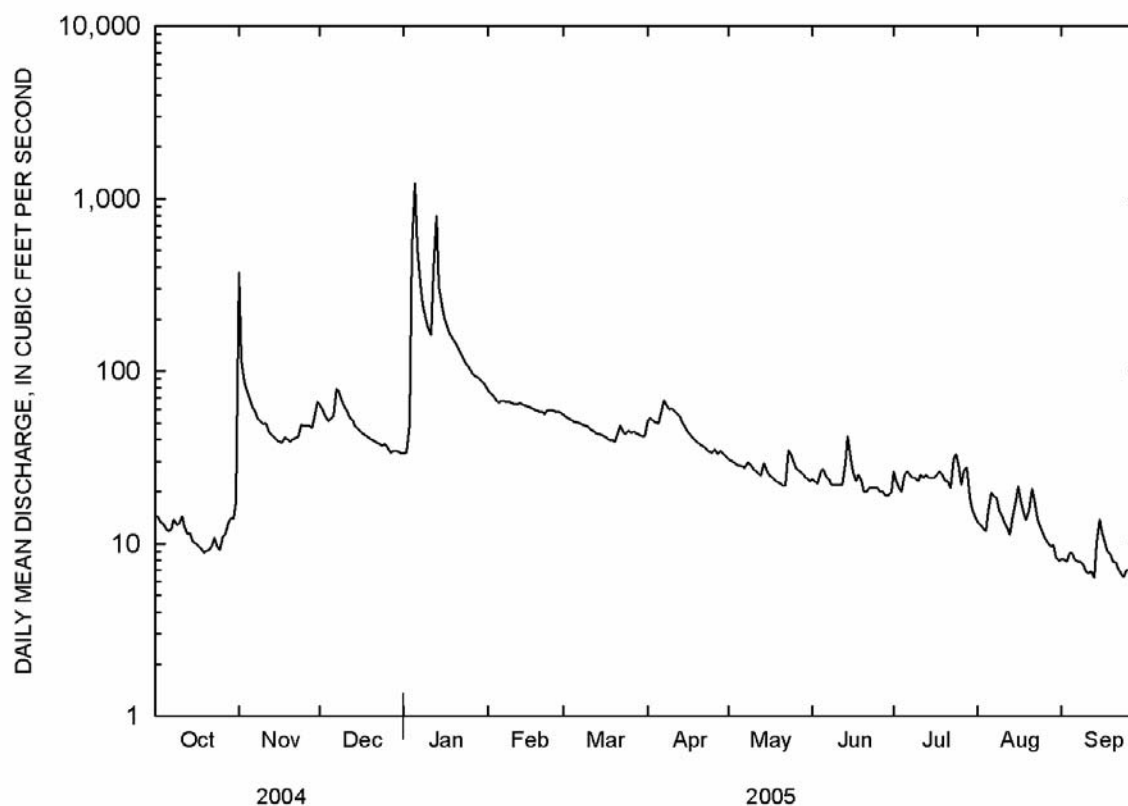
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	371	64	33	78	56	51	31	24	e26	13	e8.1
2	14	115	59	34	75	54	54	30	23	e23	13	e8.1
3	13	87	55	49	72	53	52	29	22	e21	12	7.9
4	13	78	52	529	68	52	50	29	26	e20	12	8.8
5	12	69	53	1220	66	51	50	28	27	e25	16	8.8
6	12	63	55	519	67	50	57	28	25	e26	20	8.0
7	12	58	79	324	67	50	68	28	24	e25	19	7.9
8	14	54	76	243	66	49	63	29	e22	e24	19	7.9
9	13	51	68	202	66	49	60	29	e22	e24	16	7.6
10	13	49	63	178	65	48	61	27	e22	e23	14	6.9
11	14	50	58	163	65	46	59	26	e22	e25	13	6.8
12	12	45	54	386	65	45	57	26	e22	e24	12	6.9
13	11	43	e52	798	65	44	54	25	e29	e25	11	6.4
14	11	41	48	311	64	43	50	29	e42	e24	15	10
15	10	40	46	241	63	43	47	26	e31	e24	18	14
16	10	39	45	206	62	42	44	25	e26	e24	21	12
17	9.7	39	43	182	61	41	42	24	e23	e25	18	10
18	9.4	41	42	166	60	40	41	24	e25	e26	15	9.0
19	8.9	40	41	155	59	40	39	23	e23	e25	14	8.7
20	9.1	39	40	146	58	39	38	22	e20	e23	16	7.9
21	9.1	40	40	137	58	44	37	22	e20	e23	21	7.8
22	9.7	41	39	125	56	48	36	22	e21	e21	18	7.2
23	11	41	38	118	59	45	35	35	e21	e31	14	6.7
24	9.8	49	37	111	60	43	34	33	e21	e33	13	6.4
25	9.2	49	38	105	59	45	34	29	e21	e29	11	7.1
26	11	48	36	99	58	44	35	27	e20	e22	11	7.0
27	11	48	34	94	58	44	33	26	e20	26	10	6.6
28	13	47	35	92	57	44	34	26	e19	28	9.7	6.7
29	14	54	35	90	---	43	34	24	e19	19	9.8	8.4
30	14	66	34	87	---	42	32	24	e20	16	8.4	7.0
31	17	---	34	83	---	42	---	23	---	14	7.9	---
TOTAL	363.9	1895	1493	7226	1777	1419	1381	829	702	744	440.8	242.6
MEAN	11.7	63.2	48.2	233	63.5	45.8	46.0	26.7	23.4	24.0	14.2	8.09
MAX	17	371	79	1220	78	56	68	35	42	33	21	14
MIN	8.9	39	34	33	56	39	32	22	19	14	7.9	6.4
AC-FT	722	3760	2960	14330	3520	2810	2740	1640	1390	1480	874	481

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	27.0	49.2	60.8	53.8	55.6	71.7	64.5	65.1	62.4	32.9	18.1	19.8
MAX	199	148	219	233	161	176	143	251	337	164	70.2	132
(WY)	1987	1994	1993	2005	2001	1985	1985	1990	2000	2004	2004	1986
MIN	3.48	3.86	6.62	3.88	4.37	7.04	7.43	20.9	9.72	2.79	0.77	1.80
(WY)	1981	1981	1980	1980	1981	1981	1981	1981	1981	1980	1980	1980

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	23472.8		18513.3			
ANNUAL MEAN	64.1		50.7		48.4	
HIGHEST ANNUAL MEAN					97.9	
LOWEST ANNUAL MEAN					10.7	
HIGHEST DAILY MEAN	1450	Jul 3	1220	Jan 5	3160	Jun 21 2000
LOWEST DAILY MEAN	5.5	Jul 1	6.4	Sep 13	0.40	Aug 7 1980
ANNUAL SEVEN-DAY MINIMUM	9.1	Jun 25	6.8	Sep 22	0.56	Aug 5 1980
MAXIMUM PEAK FLOW			2110	Jan 5	18750	Jun 21 2000
MAXIMUM PEAK STAGE			8.82	Jan 5	13.58	Jun 21 2000
INSTANTANEOUS LOW FLOW			5.2	Sep 13,23		
ANNUAL RUNOFF (AC-FT)	46560		36720		35030	
10 PERCENT EXCEEDS	118		73		100	
50 PERCENT EXCEEDS	39		33		26	
90 PERCENT EXCEEDS	14		9.8		7.4	

¹From rating curve extended above 3,900 ft³/s^eEstimated

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 1979, October 1983 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, and turbidity were determined in the field. Samples collected by Arkansas Department of Environmental Quality, Little Rock, Arkansas, from 1983 to 1994, were published by the U.S. Geological Survey, Arkansas District, in Water Resources Data, Arkansas.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrected NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 18...	1130	1028	80020	9.1	<2.0	--	745	6.6	72	7.7	276	28.0	18.6
DEC 17...	1330	1028	80020	43	<2.0	--	745	10.8	97	8.0	276	15.0	9.4
FEB 17...	1202	1028	80020	61	<2.0	--	744	12.7	119	8.2	264	18.5	11.3
APR 22...	1100	1028	80020	36	<2.0	--	733	9.1	99	7.5	271	16.7	17.4
JUL 12...	1115	1028	80020	E24	4.9	1.8	738	7.5	92	7.4	263	32.4	24.2
AUG 25...	1230	1028	80020	11	2.2	1.9	740	7.8	100	7.4	271	38.6	26.3

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

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)
OCT 18...	.14	--	<.010	6.06	1.37	1.37	.007	.002	--	1.5	.212	.069	.093
DEC 17...	.13	--	<.010	18.2	4.11	4.11	.007	.002	--	4.2	.058	.019	.029
FEB 17...	.10	--	<.010	12.7	2.87	2.87	.013	.004	--	3.0	.018	.006	.010
APR 22...	.15	.01	.011	10.2	2.30	2.31	.016	.005	.14	2.5	.055	.018	.027
JUL 12...	.13	.02	.013	--	--	.714	--	E.001	.12	.84	.080	.026	.034
AUG 25...	.16	--	E.006	3.17	.71	.717	.007	.002	--	.88	.089	.029	.039

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

Date	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment discharge, tons/d (80155)
OCT 18...	.054	100	24	.59
DEC 17...	.028	--	--	--
FEB 17...	.024	91	8	1.3
APR 22...	E.035	--	--	--
JUL 12...	.039	58	5	--
AUG 25...	.043	71	6	.18

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07195865 SAGER CREEK NEAR WEST SILOAM SPRINGS, OK

LOCATION.--Lat 36°12'06", long 94°36'18", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on right bank 1.4 mi upstream from Flint Creek, 2.4 mi northeast of West Siloam Springs.

DRAINAGE AREA.--18.9 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 961.90 ft above NGVD of 1929 from topographic map.

REMARKS.--Records good except for estimated periods which are poor. Low flow sustained in part by sewage effluent from Siloam Springs, Ar. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	605	46	15	18	17	50	13	12	18	7.6	7.4
2	9.0	76	38	16	18	16	29	14	11	11	8.1	8.0
3	e5.0	69	32	101	18	16	22	14	11	8.2	8.0	6.7
4	e5.0	52	28	375	17	16	21	14	10	7.9	7.7	5.5
5	e5.4	38	41	559	15	15	21	14	15	8.4	17	5.1
6	11	30	75	180	18	14	78	14	12	8.8	17	6.1
7	7.7	24	129	94	20	15	57	13	10	9.0	9.8	7.2
8	9.6	22	51	64	19	15	39	14	10	8.6	8.8	7.0
9	7.7	20	42	45	22	14	31	15	10	7.5	8.7	6.8
10	6.1	19	36	34	19	14	26	14	9.6	6.7	8.4	5.8
11	11	30	31	27	18	14	42	14	8.5	7.6	8.2	4.5
12	9.8	20	28	303	17	13	31	14	7.6	8.2	8.0	5.6
13	8.4	17	26	392	19	13	26	13	35	8.2	7.3	6.6
14	8.9	15	25	97	19	13	24	23	27	7.8	9.6	11
15	7.4	15	23	65	18	14	22	14	14	7.6	13	15
16	e5.5	15	23	49	17	14	20	14	14	6.9	22	11
17	e4.7	15	26	43	17	14	18	14	16	6.2	12	7.4
18	e4.9	23	22	38	16	14	19	14	13	6.6	9.7	5.9
19	7.1	21	19	40	15	12	19	14	9.8	7.5	8.9	6.8
20	7.4	17	19	32	14	11	18	13	10	7.4	e11	7.4
21	7.7	22	19	31	16	21	18	12	10	7.2	14	7.2
22	8.3	21	19	25	16	34	17	11	9.9	7.2	9.8	7.2
23	8.1	21	18	21	26	18	15	52	9.8	11	9.4	e6.7
24	6.0	35	17	22	21	16	14	21	9.3	11	8.8	e6.4
25	6.5	29	15	22	19	19	15	18	8.6	7.5	8.3	e6.2
26	13	24	15	21	17	16	17	14	8.1	7.9	8.0	e5.8
27	12	58	16	20	16	16	16	14	8.4	35	6.7	6.6
28	40	33	17	19	17	17	20	11	8.8	15	5.8	8.2
29	15	101	18	17	---	17	17	9.2	8.7	11	11	10
30	10	71	17	18	---	16	14	8.7	8.6	8.3	8.7	7.3
31	35	---	16	18	---	16	---	9.9	---	7.1	8.1	---
TOTAL	309.9	1,558	947	2,803	502	490	776	466.8	355.7	296.3	309.4	218.4
MEAN	10.0	51.9	30.5	90.4	17.9	15.8	25.9	15.1	11.9	9.56	9.98	7.28
MAX	40	605	129	559	26	34	78	52	35	35	22	15
MIN	4.7	15	15	15	14	11	14	8.7	7.6	6.2	5.8	4.5
AC-FT	615	3,090	1,880	5,560	996	972	1,540	926	706	588	614	433

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

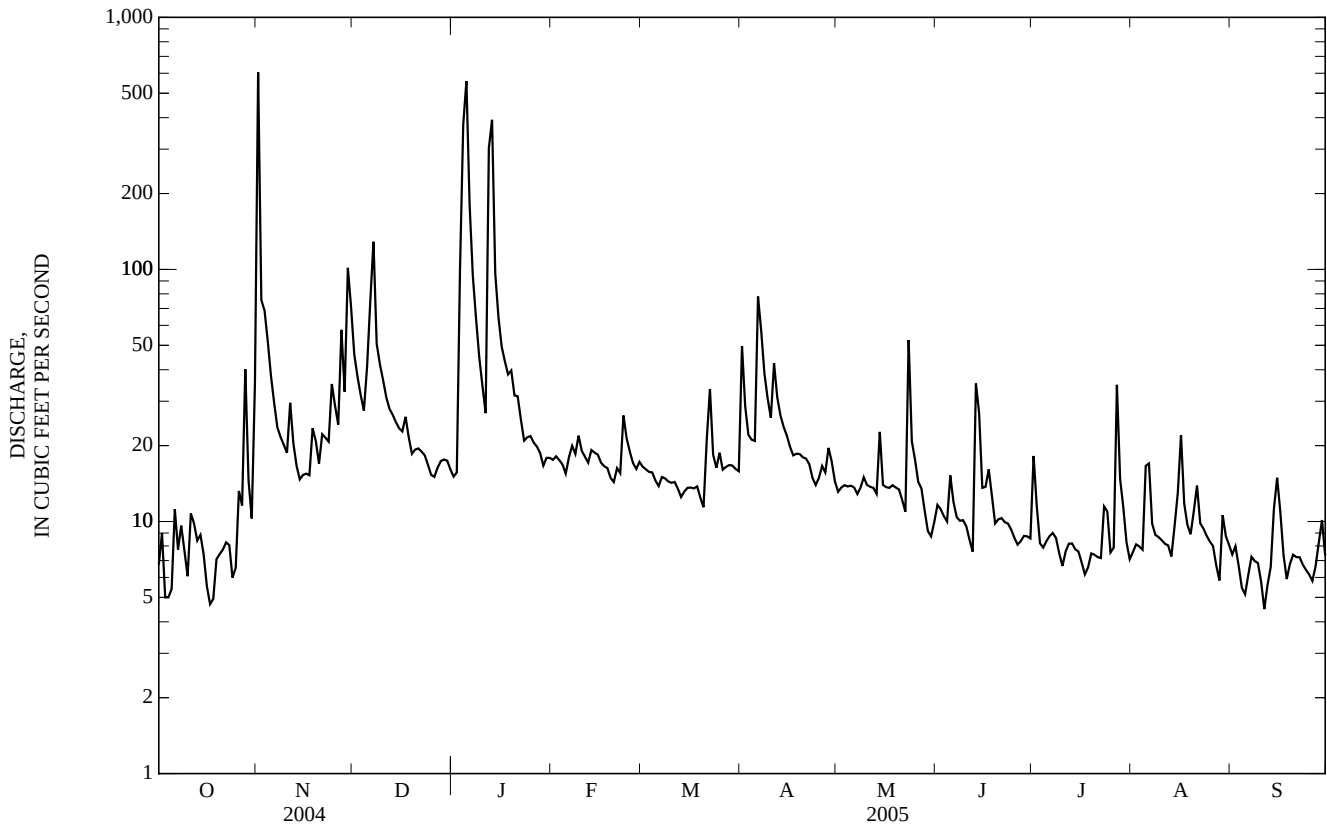
MEAN	9.15	21.5	19.5	26.3	28.7	29.8	25.9	28.1	41.2	25.3	10.1	8.21
MAX	16.2	54.7	35.2	90.4	90.3	44.0	59.1	59.6	198	126	18.4	12.8
(WY)	(2002)	(1997)	(2002)	(2005)	(2001)	(1999)	(2002)	(1999)	(2000)	(2004)	(2002)	(2000)
MIN	5.76	5.73	9.13	6.56	8.39	13.6	10.7	10.2	8.82	5.70	4.58	5.14
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)	(2001)	(1998)	(1997)	(1998)	(1997)

e Estimated

07195865 SAGER CREEK NEAR WEST SILOAM SPRINGS, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	12,605.9		9,032.5		22.8	
ANNUAL MEAN	34.4		24.7		10.9	
HIGHEST ANNUAL MEAN					29.4	
LOWEST ANNUAL MEAN					10.9	
HIGHEST DAILY MEAN	1,050	Jul 3	605	Nov 1	1,680	Jun 21, 2000
LOWEST DAILY MEAN	4.7	Oct 17	4.5	Sep 11	a2.0	Aug 3, 1997
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 24	6.1	Sep 5	2.8	Jul 31, 1997
MAXIMUM PEAK FLOW			1,710	Nov 1	4,130	Jun 21, 2000
MAXIMUM PEAK STAGE			9.08	Nov 1	12.76	Jun 21, 2000
ANNUAL RUNOFF (AC-FT)	25,000		17,920		16,480	
10 PERCENT EXCEEDS	65		38		40	
50 PERCENT EXCEEDS	15		15		12	
90 PERCENT EXCEEDS	7.7		7.2		5.8	

a Also occurred Aug. 10, 1997.



07195865 SAGER CREEK NEAR WEST SILOAM SPRINGS, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1991 to July 1995, July 1996 to current year.

REMARKS.--Samples collected bimonthly. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 18...	1030	1028	80020	5.6	<2.0	--	745	7.6	82	7.8	580	26.2	17.7
DEC 16...	1115	1028	80020	23	<2.0	--	770	11.0	94	7.8	386	8.4	8.8
FEB 17...	1027	1028	80020	17	<2.0	--	744	13.2	122	8.2	381	14.6	10.5
APR 22...	1200	1028	80020	17	<2.0	--	734	10.2	111	7.9	437	16.8	17.6
JUL 12...	1230	1028	80020	8.2	2.1	1.1	738	8.4	106	7.7	504	34.4	25.1
AUG 25...	1400	1028	80020	9.2	<2.0	.3	740	8.7	112	7.6	559	38.0	26.7

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

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)
OCT 18...	.27	--	E.005	60.8	13.7	13.7	.007	.002	--	14	3.98	1.30	1.26
DEC 16...	.36	.01	.011	32.1	7.25	7.27	.066	.020	.35	7.6	1.80	.588	.61
FEB 17...	.33	--	<.010	34.8	7.86	7.87	.030	.009	--	8.2	2.10	.685	.72
APR 22...	.31	--	E.009	39.7	8.96	8.97	.016	.005	--	9.3	3.21	1.05	.99
JUL 12...	.35	.02	.014	47.8	10.8	10.8	.013	.004	.33	11	4.28	1.40	1.41
AUG 25...	.34	--	E.009	49.3	11.1	11.1	.013	.004	--	11	4.11	1.34	1.41

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

Date	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 18...	1.19	100	43	.65
DEC 16...	.59	60	2	.12
FEB 17...	.67	83	5	.23
APR 22...	1.03	--	--	--
JUL 12...	1.42	59	4	.09
AUG 25...	1.37	53	4	.10

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07196000 FLINT CREEK NEAR KANSAS, OK

LOCATION.--Lat 36°11'11", long 94°42'24", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.20 N., R.24 E., Delaware County, Hydrologic Unit 11110103, upstream from bridge on U.S. Highway 412, at left bank 6.0 mi southeast of Kansas, 6.0 mi downstream from Sager Creek, and at mile 2.2.

DRAINAGE AREA.--110 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to September 1976, April 1979 to September 1990, October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 854.59 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. Records good. Small diversion above station for irrigation. U.S. Army Corps of Engineers' satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 1	1000	3,120	8.53	Jan 13	0130	4,250	9.00
Jan 5	1330	*4,340	*9.04				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	1,350	238	78	118	117	145	78	52	46	24	21
2	34	437	201	78	116	113	165	76	50	49	22	19
3	33	300	176	182	112	109	156	74	47	42	21	19
4	29	266	157	1,520	108	106	144	73	48	38	19	18
5	27	210	157	2,830	105	103	141	72	54	35	26	17
6	27	180	195	1,200	106	98	175	70	53	35	40	16
7	32	154	408	620	113	97	267	68	48	34	33	16
8	33	134	309	453	113	96	231	66	47	32	30	17
9	36	120	253	362	117	96	200	69	47	30	27	17
10	35	108	218	307	116	96	186	67	54	27	24	17
11	36	111	189	265	115	95	222	63	47	26	22	16
12	40	103	169	721	114	92	223	60	43	27	22	14
13	37	93	152	2,190	117	89	186	57	68	26	21	15
14	34	86	137	679	116	87	164	67	82	24	22	18
15	32	82	128	474	114	86	147	67	62	26	35	28
16	29	79	121	374	111	84	134	61	55	30	46	32
17	27	77	116	314	108	80	122	57	70	29	40	30
18	25	87	113	274	105	82	115	55	78	23	28	26
19	24	95	104	247	102	81	110	54	62	21	28	23
20	25	91	99	224	99	79	103	49	53	24	28	21
21	27	92	98	206	101	86	102	47	48	21	39	21
22	28	100	96	193	101	119	100	46	45	19	37	20
23	29	99	92	176	112	104	93	78	44	20	34	20
24	29	121	89	167	125	101	88	84	42	24	30	20
25	29	141	87	160	126	108	87	67	41	28	29	20
26	31	138	86	153	124	107	90	62	41	23	27	19
27	40	151	83	143	123	107	88	58	39	45	25	19
28	60	140	81	143	121	105	93	56	38	54	24	20
29	63	182	82	136	---	105	89	51	36	38	22	21
30	58	289	82	131	---	101	82	49	34	31	23	24
31	68	---	80	126	---	102	---	50	---	27	22	---
TOTAL	1,088	5,616	4,596	15,126	3,158	3,031	4,248	1,951	1,528	954	870	604
MEAN	35.1	187	148	488	113	97.8	142	62.9	50.9	30.8	28.1	20.1
MAX	68	1,350	408	2,830	126	119	267	84	82	54	46	32
MIN	24	77	80	78	99	79	82	46	34	19	19	14
AC-FT	2,160	11,140	9,120	30,000	6,260	6,010	8,430	3,870	3,030	1,890	1,730	1,200
CFSM	0.32	1.70	1.35	4.44	1.03	0.89	1.29	0.57	0.46	0.28	0.26	0.18
IN.	0.37	1.90	1.55	5.12	1.07	1.03	1.44	0.66	0.52	0.32	0.29	0.20

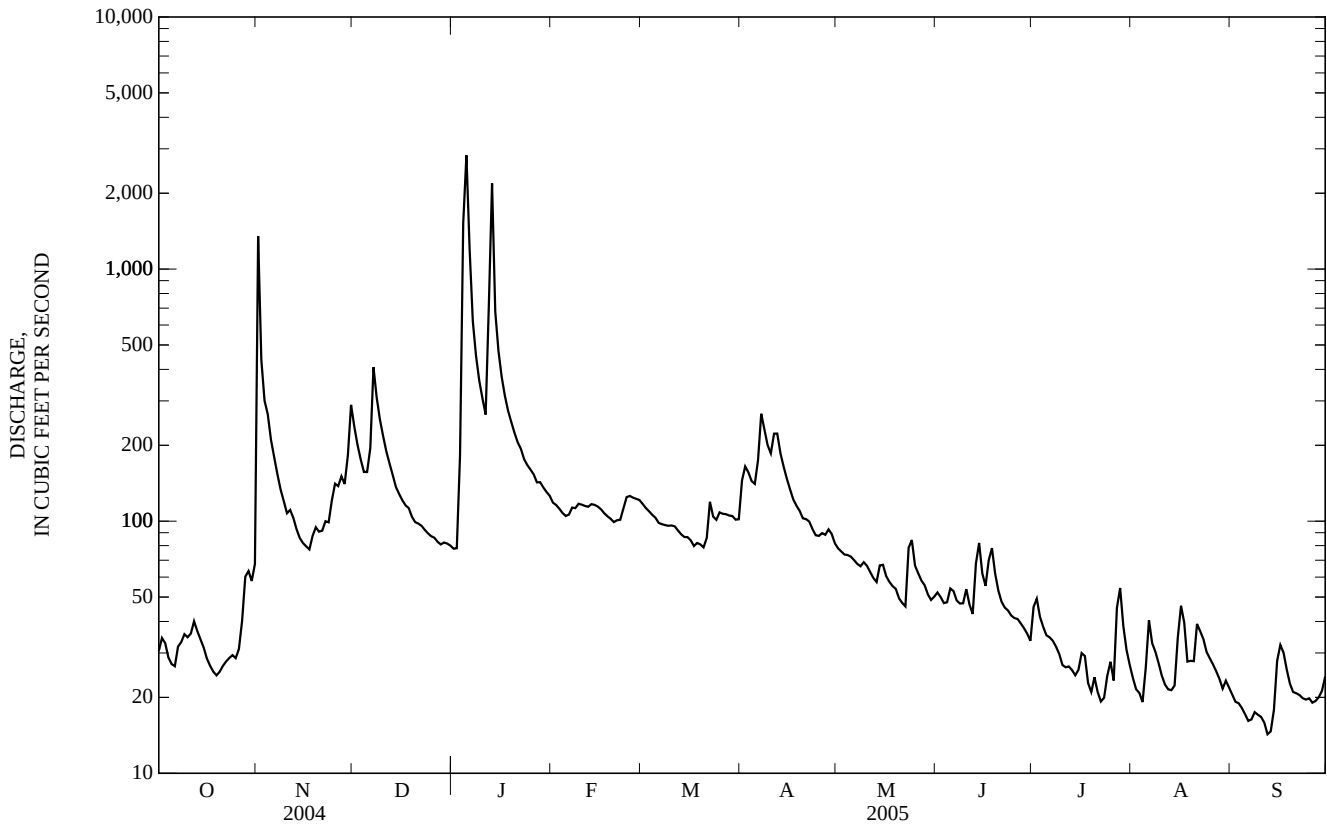
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

MEAN	70.2	129	126	115	123	175	179	181	150	68.0	45.2	57.5
MAX	415	850	624	488	439	593	577	783	1,066	339	369	416
(WY)	(1987)	(1974)	(1985)	(2005)	(2001)	(1973)	(1973)	(1961)	(1974)	(2004)	(1961)	(1986)
MIN	0.73	9.87	11.4	10.3	16.4	11.5	13.0	37.5	25.1	11.7	4.84	1.27
(WY)	(1957)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1964)	(1972)	(1980)	(1956)	(1956)

07196000 FLINT CREEK NEAR KANSAS, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	54,508		42,770		119	
ANNUAL MEAN	149		117		296	
HIGHEST ANNUAL MEAN					22.3	
LOWEST ANNUAL MEAN					14,500	
HIGHEST DAILY MEAN	3,880	Jul 3	2,830	Jan 5	14,500	Nov 24, 1973
LOWEST DAILY MEAN	24	Oct 19	14	Sep 12	0.60	Oct 11, 1956
ANNUAL SEVEN-DAY MINIMUM	26	Oct 16	16	Sep 7	0.66	Oct 7, 1956
MAXIMUM PEAK FLOW			4,340	Jan 5	a44,400	Jun 8, 1974
MAXIMUM PEAK STAGE			9.04	Jan 5	19.42	Jun 8, 1974
ANNUAL RUNOFF (AC-FT)	108,100		84,830		85,850	
ANNUAL RUNOFF (CFSM)	1.35		1.07		1.08	
ANNUAL RUNOFF (INCHES)	18.43		14.46		14.64	
10 PERCENT EXCEEDS	260		194		234	
50 PERCENT EXCEEDS	85		78		57	
90 PERCENT EXCEEDS	38		22		18	

a Based on indirect measurement.



07196000 FLINT CREEK NEAR KANSAS, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-61, 1963, 1975-80, July 1991 to July 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 18...	1245	1028	80020	25	<2.0	--	745	8.1	90	8.0	324	29.5	19.2
NOV 01...	1325	1028	80020	2,050	130	--	755	9.2	97	7.4	158	20.0	17.4
DEC 17...	1430	1028	80020	112	<2.0	--	768	11.1	97	8.2	260	12.5	9.8
JAN 05...	1230	1028	80020	4,090	280	310	734	10.8	98	7.3	131	3.0	9.5
FEB 17...	1400	1028	80020	109	<2.0	--	746	12.9	120	8.7	247	13.2	11.3
APR 22...	1305	1028	80020	98	<2.0	--	735	11.1	119	8.6	263	16.2	16.9
JUL 12...	1400	1028	80020	26	<2.0	1.8	742	9.0	115	8.0	301	31.2	26.2
AUG 24...	1030	1028	80020	31	<2.0	.7	740	9.3	116	7.7	332	36.0	25.1

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

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	Potas- sium, water, fltrd, mg/L (00935)	Potas- sium, water, unfltrd recover- able, mg/L (00937)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium, water, unfltrd recover- able, mg/L (00929)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	120	6	44.0	43.9	2.18	1.96	4.46	4.2	.5	13.5	19	13.6	113
AUG 24...	120	15	45.2	45.2	2.09	2.15	4.88	4.5	.6	16.4	22	16.1	107

07196000 FLINT CREEK NEAR KANSAS, OK—Continued

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

Date	Bicarbon- ate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, ftrd, mg/L (00940)	Sulfate water, ftrd, mg/L (00945)	Residue water, sum of consti- tuents mg/L (70301)	Residue water, ftrd, tons/ acre-ft (70303)	Residue water, ftrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, ftrd, mg/L (71846)	Ammonia water, ftrd, mg/L as N (00608)	Nitrate water, ftrd, mg/L (71851)	Nitrate water, ftrd, mg/L as N (00618)	Nitrite + nitrate water ftrd, mg/L as N (00631)
OCT 18...	--	--	--	--	--	--	--	.11	--	E.005	15.0	3.39	3.39
NOV 01...	--	--	--	--	--	--	--	1.1	.04	.031	8.36	1.89	1.90
DEC 17...	--	--	--	--	--	--	--	.15	--	<.010	18.3	4.13	4.13
JAN 05...	--	--	--	--	--	--	--	2.3	.10	.077	10.5	2.38	2.39
FEB 17...	--	--	--	--	--	--	--	.11	--	<.010	15.5	3.50	3.51
APR 22...	--	--	--	--	--	--	--	.14	--	E.006	12.3	2.79	2.79
JUL 12...	135	1	15.9	18.7	175	.24	12.3	.11	.02	.016	8.56	1.93	1.94
AUG 24...	E129	E.0	18.9	19.0	182	.25	15.2	.11	.02	.014	10.6	2.40	2.41

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

Date	Nitrite water, ftrd, mg/L (71856)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L (00660)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, ftrd, mg/L (01106)	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, ftrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)
OCT 18...	.010	.003	--	3.5	.417	.136	.151	.158	--	--	--	--	--
NOV 01...	.023	.007	1.0	3.0	1.10	.360	.39	.64	--	--	--	--	--
DEC 17...	.007	.002	--	4.3	.405	.132	.147	.144	--	--	--	--	--
JAN 05...	.026	.008	2.2	4.7	1.14	.372	<.004	.88	--	--	--	--	--
FEB 17...	.013	.004	--	3.6	.353	.115	.120	.129	--	--	--	--	--
APR 22...	.016	.005	--	2.9	.396	.129	.147	E.157	--	--	--	--	--
JUL 12...	.013	.004	.10	2.1	.432	.141	.169	.179	3.2	2	21	<.20	<.2
AUG 24...	.013	.004	.10	2.5	.491	.160	.186	.18	.9	E2	16	E.11	<.2

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

Date	Arsenic water, ftrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Cobalt water, unfltrd recover- able, ug/L (01037)	Copper, water, ftrd, ug/L (01040)
OCT 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	.6	<2	59	57	<.06	<.06	<.04	<.04	E1	<2	.145	.116	2.9
AUG 24...	.8	.76	67	61	<.06	<.06	<.04	<.04	<2	<2	.175	.175	1.3

07196000 FLINT CREEK NEAR KANSAS, OK—Continued

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

Date	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
OCT 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	E.5	<6	20	E.04	.07	2.7	6	<.01	<.01	1.2	1.1	2.21	1.06
AUG 24...	E.6	E5	20	<.08	E.05	6.3	8	<.01	<.01	1.2	1.2	1.77	2.00

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT 18...	--	--	--	--	--	--	--	--	--	--	100	26	1.8
NOV 01...	--	--	--	--	--	--	--	--	--	--	84	254	1,410
DEC 17...	--	--	--	--	--	--	--	--	--	--	67	1	.30
JAN 05...	--	--	--	--	--	--	--	--	--	--	90	709	7,830
FEB 17...	--	--	--	--	--	--	--	--	--	--	94	14	4.1
APR 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	E.2	E.3	<.2	<.16	<.04	<.2	1.3	M	2.8	<2	71	4	.28
AUG 24...	E.3	.6	<.2	<.16	<.04	<.2	1.5	M	1.7	<2	54	3	.25

07196090 ILLINOIS RIVER AT CHEWEY, OK

LOCATION.--Lat 36°06'15", long 94°46'57", in SE ¼ SE ¼, sec. 19, T.19 N., R.24 E., Adair County, Hydrologic Unit 11110103, at Hampton Bridge, 0.85 mi west of Chewey, Ok.

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

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrtcd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
OCT 14...	1430	1028	80020	327	<2.0	--	755	9.3	98	8.3	342	12.2	17.4
NOV 02...	1000	1028	80020	4,780	140	--	760	8.6	89	7.4	168	10.7	16.9
DEC 17...	1130	1028	80020	695	<2.0	--	745	11.1	92	8.0	282	-3	6.4
JAN 04...	1615	1028	80020	9,860	280	--	748	9.6	91	7.5	162	10.9	11.8
FEB 22...	1125	1028	80020	659	<2.0	--	744	12.1	113	8.1	284	20.1	11.2
APR 12...	1315	1028	80020	3,060	79	--	734	8.4	88	7.5	200	18.7	15.6
MAY 25...	1135	1028	80020	534	<2.0	--	737	9.8	101	8.1	294	15.4	15.2
MAY 23...	1435	1028	80020	325	3.9	3.8	734	8.8	109	8.0	311	--	24.1
JUL 12...	1240	1028	80020	163	2.7	3.2	741	9.7	125	8.0	325	30.0	26.7
AUG 23...	1435	1028	80020	197	<2.0	3.0	738	9.0	115	7.8	346	27.4	26.4
SEP 16...	1200	1028	80020	356	2.9	6.8	744	9.1	101	7.4	366	20.7	19.5

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

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recoverable, mg/L (00916)	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfltrd recoverable, mg/L (00927)	Potassium, water, fltrd, mg/L (00935)	Potassium, water, unfltrd recoverable, mg/L (00937)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium, water, unfltrd recoverable, mg/L (00929)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	120	8	44.2	47.0	2.11	2.00	3.79	4.1	.5	13.4	19	12.3	111
JUL 12...	120	8	45.3	44.0	2.13	1.99	4.40	4.1	.6	15.0	20	15.1	114
AUG 23...	130	15	47.9	48.2	2.04	2.06	4.98	5.3	.8	20.3	25	20.4	113
SEP 16...	130	8	48.4	44.7	2.12	1.99	5.43	5.1	.9	22.7	27	21.9	121

07196090 ILLINOIS RIVER AT CHEWEY, OK—Continued

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

Date	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 14...	--	--	--	--	--	--	--	.17	--	E.006	8.11	1.83	1.83
NOV 02...	--	--	--	--	--	--	--	.95	.02	.012	8.10	1.83	1.83
DEC 17...	--	--	--	--	--	--	--	.13	--	<.010	--	--	3.59
JAN 04...	--	--	--	--	--	--	--	1.9	.06	.050	7.92	1.79	1.80
FEB 22...	--	--	--	--	--	--	--	.14	--	E.005	12.8	2.90	2.90
APR 12...	--	--	--	--	--	--	--	.83	.03	.025	6.46	1.46	1.47
MAY 25...	--	--	--	--	--	--	--	.20	--	<.010	8.90	2.01	2.01
MAY 23...	133	1	--	--	--	--	--	.20	.02	.014	8.89	2.01	2.02
JUL 12...	136	.0	--	--	--	--	--	2.1	.01	.011	4.52	1.02	1.03
AUG 23...	136	.0	--	--	--	--	--	.17	.02	.012	4.84	1.09	1.10
SEP 16...	148	.0	26.0	20.4	203	.28	195	.20	--	E.008	4.53	1.02	1.03

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

Date	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, fltrd, ug/L (01106)	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, fltrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)
OCT 14...	.007	.002	--	2.0	.297	.097	.111	.112	--	--	--	--	--
NOV 02...	.016	.005	.94	2.8	.803	.262	.26	.43	--	--	--	--	--
DEC 17...	--	E.001	--	3.7	.196	.064	.077	.079	--	--	--	--	--
JAN 04...	.026	.008	1.9	3.7	.668	.218	.24	.69	--	--	--	--	--
FEB 22...	.020	.006	--	3.0	.101	.033	.041	.049	--	--	--	--	--
APR 12...	.026	.008	.80	2.3	.230	.075	.105	.23	--	--	--	--	--
MAY 25...	.013	.004	--	2.2	.049	.016	.029	.049	--	--	--	--	--
MAY 23...	.026	.008	.18	2.2	.239	.078	.096	.113	5.1	2	54	<.20	<.2
JUL 12...	.013	.004	2.1	3.1	.254	.083	.099	.109	1.3	E1	58	<.20	E.1
AUG 23...	.010	.003	.16	1.3	.316	.103	.121	.129	2.6	2	51	E.10	E.1
SEP 16...	.007	.002	--	1.2	.276	.090	.109	.121	2.0	2	43	<.20	E.1

07196090 ILLINOIS RIVER AT CHEWEY, OK—Continued

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

Date	Arsenic water, ftrd, ug/L (01000)	Arsenic water unftrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unftrd recover -able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Beryll- ium, water, unftrd recover -able, ug/L (01012)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unftrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unftrd recover -able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Cobalt water, unftrd recover -able, ug/L (01037)	Copper, water, ftrd, ug/L (01040)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	.6	<2	55	52	<.06	<.06	<.04	<.04	E1	<2	.387	.430	3.5
JUL 12...	.6	<2	56	51	<.06	<.06	<.04	<.04	<2	<2	.229	.297	1.1
AUG 23...	.8	M	58	53	<.06	<.06	E.03	<.04	<2	<2	.338	.391	1.6
SEP 16...	.72	.75	54	53	<.06	<.06	<.04	E.02	E1	<2	--	.364	--

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

Date	Copper, water, unftrd recover -able, ug/L (01042)	Iron, water, ftrd, ug/L (01046)	Iron, water, unftrd recover -able, ug/L (01045)	Lead, water, ftrd, ug/L (01049)	Lead, water, unftrd recover -able, ug/L (01051)	Mangan- ese, water, ftrd, ug/L (01056)	Mangan- ese, water, unftrd recover -able, ug/L (01055)	Mercury water, ftrd, ug/L (71890)	Mercury water, unftrd recover -able, ug/L (71900)	Molyb- denum, water, ftrd, ug/L (01060)	Molyb- denum, water, unftrd recover -able, ug/L (01062)	Nickel, water, ftrd, ug/L (01065)	Nickel, water, unftrd recover -able, ug/L (01067)
OCT 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 23...	.9	<6	70	E.04	.16	5.4	14	<.01	<.01	1.0	1.0	1.97	1.27
JUL 12...	.6	<6	70	<.08	.14	5.2	13	<.01	<.01	1.3	1.2	2.46	1.37
AUG 23...	1.6	<6	70	.32	.13	5.1	11	E.01	E.01	1.5	1.4	3.50	2.39
SEP 16...	.8	<6	50	E.05	.16	5.2	11	E.01	E.01	1.6	1.6	--	2.17

07196090 ILLINOIS RIVER AT CHEWEY, OK—Continued

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 14...	--	--	--	--	--	--	--	--	--	--	91	34	30
NOV 02...	--	--	--	--	--	--	--	--	--	--	96	199	2,570
DEC 17...	--	--	--	--	--	--	--	--	--	--	86	1	1.9
JAN 04...	--	--	--	--	--	--	--	--	--	--	94	619	16,500
FEB 22...	--	--	--	--	--	--	--	--	--	--	75	2	3.6
APR 12...	--	--	--	--	--	--	--	--	--	--	98	124	1,020
MAY 25...	--	--	--	--	--	--	--	--	--	--	92	29	42
MAY 23...	E.4	.4	<.2	<.16	<.04	<.2	1.1	<2	3.1	E1	95	34	30
JUL 12...	E.2	E.4	<.2	<.16	<.04	<.2	1.2	M	.8	<2	76	9	4.0
AUG 23...	E.4	.7	<.2	<.16	<.04	<.2	1.7	M	5.7	E1	--	--	--
SEP 16...	.16	E.3	<.2	<.16	<.04	<.2	.96	M	1.0	E1	81	6	5.8

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07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK

LOCATION.--Lat 35°55'22", long 94°55'24", in SE 1/4 NE 1/4 sec.26, T.17 N., R.22 E., Cherokee County, Hydrologic Unit 11110103, near center of channel on downstream side of pier of bridge, 0.2 mi downstream from U.S. Highway 62, 2.2 mi northeast of Tahlequah, 6.5 mi upstream from Baron Fork, and at mile 55.8.

DRAINAGE AREA.--959 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 664.14 ft, U.S. Army Corps of Engineers datum. Prior to Feb. 23, 1939, nonrecording gage.

REMARKS.--Records good except for estimated periods which are poor. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1916 reached a stage of about 26 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 2	1430	9,450	10.07	Jan 14	1300	15,300	12.48
Jan 6	0430	*21,400	*14.47				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	3,420	2,090	438	888	897	776	529	337	249	207	147
2	167	8,560	2,010	436	864	e826	1,030	496	346	259	189	144
3	170	3,920	1,660	643	841	e785	1,400	465	332	274	175	140
4	177	2,580	1,410	4,410	845	e759	1,270	445	323	290	165	140
5	178	2,140	1,260	14,900	838	738	1,120	434	339	267	164	136
6	165	1,680	1,250	20,100	828	709	1,170	420	336	249	166	136
7	162	1,340	1,910	11,100	824	674	2,560	408	349	230	206	144
8	171	1,100	4,210	5,290	838	649	2,860	402	349	221	204	136
9	178	923	2,960	3,800	879	638	2,160	402	365	216	233	130
10	184	810	2,280	2,990	864	621	1,740	398	355	207	227	126
11	220	783	1,870	2,520	849	600	1,550	390	337	206	198	123
12	215	803	1,570	2,660	822	582	3,240	379	317	205	182	120
13	208	1,090	1,330	9,310	828	552	2,640	365	318	196	168	117
14	214	886	1,150	12,700	833	539	1,920	391	349	192	167	120
15	208	751	1,020	5,580	891	520	1,570	378	392	188	194	139
16	200	655	921	3,730	846	508	1,340	427	445	185	208	148
17	197	598	844	2,900	810	501	1,160	395	435	184	258	277
18	196	589	790	2,420	770	491	1,020	363	388	184	261	307
19	184	619	732	2,090	739	478	925	348	487	185	244	246
20	174	714	682	1,860	719	471	855	342	428	179	240	206
21	172	787	630	1,690	708	487	795	330	366	172	469	182
22	179	726	592	1,540	689	515	746	319	331	165	317	167
23	193	675	568	1,410	789	630	685	335	308	162	277	157
24	190	780	546	1,290	886	723	643	381	292	163	246	153
25	189	938	525	1,190	1,190	705	604	728	280	162	223	150
26	203	1,420	502	1,120	1,100	677	572	568	267	181	208	145
27	212	1,230	482	1,060	997	719	551	493	258	219	197	143
28	255	1,400	468	1,010	937	699	561	435	248	221	184	144
29	289	1,640	458	981	---	711	543	396	241	234	173	142
30	384	1,680	458	952	---	707	553	368	233	248	162	145
31	445	---	446	932	---	667	---	349	---	228	154	---
TOTAL	6,444	45,237	37,624	123,052	23,912	19,778	38,559	12,879	10,151	6,521	6,666	4,710
MEAN	208	1,508	1,214	3,969	854	638	1,285	415	338	210	215	157
MAX	445	8,560	4,210	20,100	1,190	897	3,240	728	487	290	469	307
MIN	162	589	446	436	689	471	543	319	233	162	154	117
AC-FT	12,780	89,730	74,630	244,100	47,430	39,230	76,480	25,550	20,130	12,930	13,220	9,340
CFSM	0.22	1.57	1.27	4.14	0.89	0.67	1.34	0.43	0.35	0.22	0.22	0.16
IN.	0.25	1.75	1.46	4.77	0.93	0.77	1.50	0.50	0.39	0.25	0.26	0.18

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

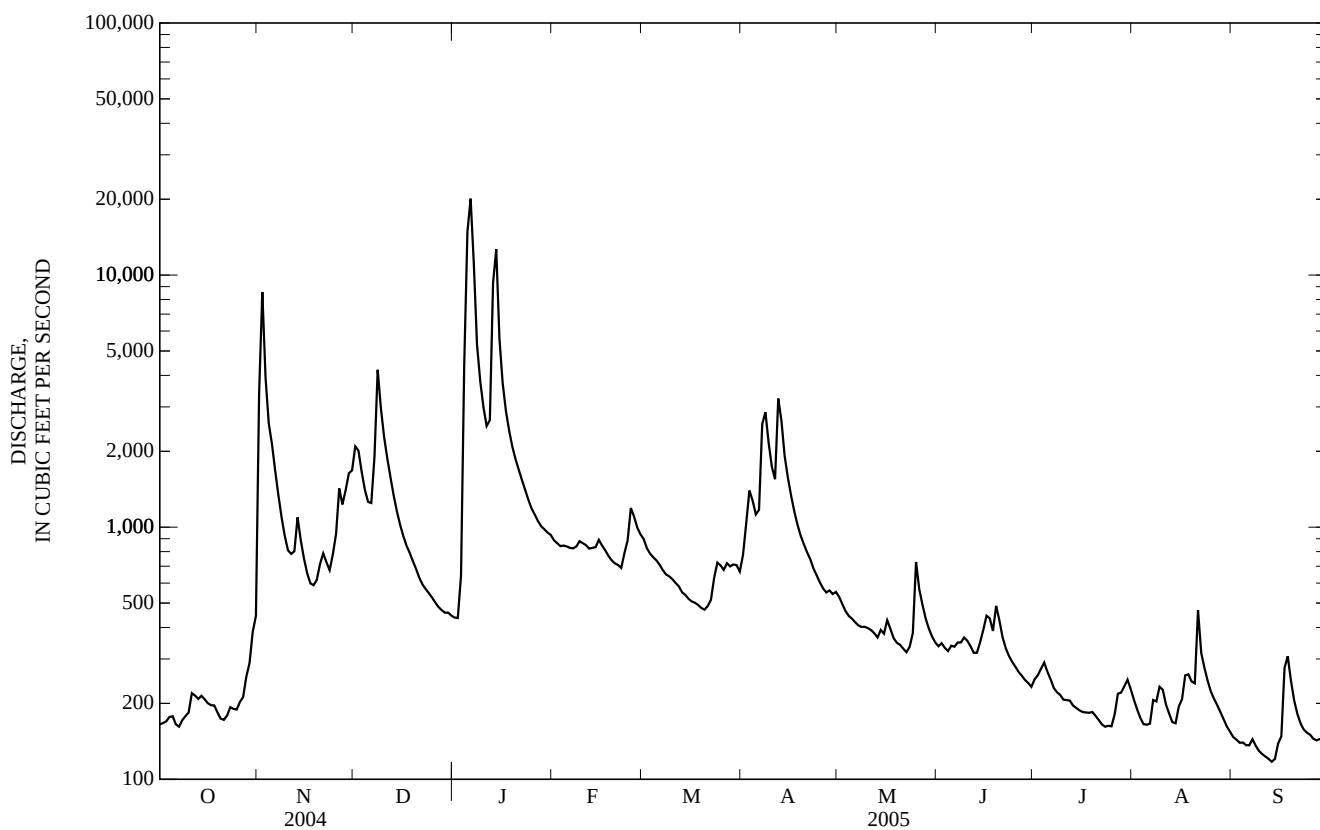
MEAN	524	911	918	892	1,126	1,443	1,581	1,622	1,054	514	354	356
MAX	5,222	4,659	4,258	3,969	4,661	6,695	6,864	8,397	5,993	2,491	3,907	1,913
(WY)	(1987)	(1974)	(1993)	(2005)	(1938)	(1945)	(1945)	(1950)	(1974)	(1958)	(1948)	(1974)
MIN	7.05	75.3	77.5	74.0	113	147	151	189	80.1	22.9	10.5	3.15
(WY)	(1957)	(1964)	(1956)	(1956)	(1964)	(1940)	(1954)	(1936)	(1936)	(1954)	(1936)	(1954)

e Estimated

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936 - 2005	
ANNUAL TOTAL	423,573		335,533		940	
ANNUAL MEAN	1,157		919		1,980	
HIGHEST ANNUAL MEAN					193	
LOWEST ANNUAL MEAN					90,400	
HIGHEST DAILY MEAN	26,000	Apr 25	20,100	Jan 6	May 11, 1950	1974
LOWEST DAILY MEAN	160	Sep 29	117	Sep 13	Oct 10, 1956	1954
ANNUAL SEVEN-DAY MINIMUM	165	Sep 26	125	Sep 8	Oct 8, 1956	
MAXIMUM PEAK FLOW			21,400	Jan 6	May 10, 1950	
MAXIMUM PEAK STAGE			14.47	Jan 6	May 10, 1950	
ANNUAL RUNOFF (AC-FT)	840,200		665,500		680,700	
ANNUAL RUNOFF (CFSM)	1.21		0.959		0.980	
ANNUAL RUNOFF (INCHES)	16.43		13.02		13.31	
10 PERCENT EXCEEDS	2,030		1,710		1,920	
50 PERCENT EXCEEDS	600		468		426	
90 PERCENT EXCEEDS	208		167		123	

a From rating curve extended above 77,000 ft³/s on basis of slope-area measurement of peak flow.



07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960-61, 1975-79, October 1989 to August 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 12...	1410	1028	80020	213	<2.0	--	760	7.9	84	8.0	308	12.6	18.0
NOV 02...	1325	1028	80020	9,340	190	--	760	8.5	88	7.5	196	12.0	16.9
DEC 15...	1700	1028	80020	995	<2.0	--	772	11.8	98	7.9	244	5.6	7.7
JAN 07...	1215	1028	80020	9,560	99	--	742	11.6	99	7.5	172	.0	7.3
FEB 18...	1100	1028	80020	777	<2.0	--	752	13.4	119	8.2	253	16.2	9.4
APR 13...	1130	1028	80020	2,620	35	--	742	8.5	86	7.5	207	16.0	14.8
29...	1040	1028	80020	544	2.3	--	739	9.7	104	7.8	267	14.6	17.0
MAY 25...	1355	1028	80020	750	--	5.5	743	8.7	104	7.9	300	28.7	23.2
JUL 11...	1000	1028	80020	205	2.6	2.6	742	6.8	87	7.5	300	26.6	26.6
AUG 24...	1415	1028	80020	243	3.0	4.4	740	10.6	142	8.1	306	32.2	28.9
SEP 19...	1200	1028	80020	247	2.5	3.4	748	10.0	126	7.8	337	33.1	26.1

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

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	Potas- sium, water, fltrd, mg/L (00935)	Potas- sium, water, unfltrd recover- able, mg/L (00937)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium, water, unfltrd recover- able, mg/L (00929)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	120	10	43.5	46.8	2.19	2.17	3.99	3.5	.5	12.4	18	11.8	108
JUL 11...	120	11	44.0	43.7	2.18	1.94	4.08	3.7	.5	13.3	19	12.7	108
AUG 24...	110	6	42.1	43.4	2.03	2.17	4.21	3.9	.6	14.9	21	15.5	107
SEP 19...	120	.0	44.5	40.1	2.21	2.10	4.78	4.2	.8	19.4	25	17.3	120

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

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

Date	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 12...	--	--	--	--	--	--	--	.12	--	E.006	6.14	1.39	1.39
NOV 02...	--	--	--	--	--	--	--	1.1	.01	.010	8.66	1.96	1.96
DEC 15...	--	--	--	--	--	--	--	.15	--	<.010	12.8	2.90	2.90
JAN 07...	--	--	--	--	--	--	--	.68	.03	.026	11.8	2.67	2.68
FEB 18...	--	--	--	--	--	--	--	.14	--	<.010	10.3	2.32	2.32
APR 13...	--	--	--	--	--	--	--	.50	.03	.025	7.08	1.60	1.61
MAY 29...	--	--	--	--	--	--	--	.18	--	<.010	5.94	1.34	1.35
JUL 25...	128	1	--	--	--	--	--	.22	.02	.012	8.41	1.90	1.91
AUG 11...	131	.0	14.9	14.2	160	.22	88.6	.13	.02	.015	2.30	.52	.523
SEP 24...	129	.0	20.8	14.7	166	.23	109	.16	--	E.009	2.37	.54	.539
SEP 19...	145	.0	22.7	19.1	187	.25	125	.15	--	E.009	2.11	.48	.479

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

Date	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, fltrd, ug/L (01106)	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, fltrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)
OCT 12...	.007	.002	--	1.5	.233	.076	.088	.090	--	--	--	--	--
NOV 02...	.013	.004	1.1	3.0	.687	.224	.23	.46	--	--	--	--	--
DEC 15...	.007	.002	--	3.0	.184	.060	.075	.074	--	--	--	--	--
JAN 07...	.013	.004	.66	3.4	.392	.128	.139	.28	--	--	--	--	--
FEB 18...	.010	.003	--	2.5	.074	.024	.029	.036	--	--	--	--	--
APR 13...	.020	.006	.48	2.1	.221	.072	E.087	.166	--	--	--	--	--
MAY 29...	.023	.007	--	1.5	.037	.012	.020	.034	--	--	--	--	--
JUL 25...	.020	.006	.21	2.1	.224	.073	.091	.110	1.7	2	101	<.20	<.2
AUG 11...	.013	.004	.11	.65	.169	.055	.073	.077	E3.0	4	2	<.20	<.2
SEP 24...	.010	.003	--	.70	.193	.063	.084	.095	3.3	2	77	<.20	E.1
SEP 19...	.010	.003	--	.63	.166	.054	.068	.082	3.1	2	52	<.20	<.2

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

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

Date	Arsenic water, ftrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Cobalt water, unfltrd recover- able, ug/L (01037)	Copper, water, ftrd, ug/L (01040)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 25...	.6	<2	52	52	<.06	<.06	<.04	E.02	<2	<2	.414	.430	1.3
AUG 11...	.6	<2	53	50	<.06	<.06	<.04	E.02	<2	<2	.165	.145	1.1
SEP 24...	.7	.82	52	49	<.06	<.06	<.04	<.04	<2	<2	.210	.277	.7
SEP 19...	.64	.54	57	51	<.06	<.06	E.02	<.04	E1	<2	.14	.269	2.4

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

Date	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, ftrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, ftrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, ftrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, ftrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, ftrd, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, ftrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 25...	.9	E4	140	E.07	--	5.2	18	<.01	<.01	.9	.9	2.91	1.16
AUG 11...	1.9	E3	M	<.08	<.06	6.8	7	<.01	<.01	1.1	1.0	2.39	1.07
SEP 24...	E.5	<6	90	.10	.15	4.9	13	<.01	<.01	1.1	1.1	2.93	1.94
SEP 19...	.6	13	60	.54	.10	4.6	10	<.01	<.01	1.2	1.2	--	1.75

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 12...	--	--	--	--	--	--	--	--	--	--	87	31	18
NOV 02...	--	--	--	--	--	--	--	--	--	--	92	316	7,970
DEC 15...	--	--	--	--	--	--	--	--	--	--	54	3	8.1
JAN 07...	--	--	--	--	--	--	--	--	--	--	92	206	5,320
FEB 18...	--	--	--	--	--	--	--	--	--	--	91	3	6.3
APR 13...	--	--	--	--	--	--	--	--	--	--	97	47	332
29...	--	--	--	--	--	--	--	--	--	--	97	22	32
MAY 25...	.4	E.2	<.2	<.16	<.04	<.2	1.6	<2	1.6	E2	92	51	103
JUL 11...	E.3	E.4	<.2	<.16	E.04	<.2	1.1	<2	1.9	2	75	9	5.0
AUG 24...	.4	.7	<.2	<.16	.04	<.2	1.2	M	E.4	<2	87	9	5.9
SEP 19...	.14	E.3	<.2	<.16	<.04	<.2	.99	M	4.0	<2	57	11	7.3

07197000 BARON FORK AT ELDON, OK

LOCATION.--Lat 35°55'16", long 94°50'18", in NE ¼ SE ¼ sec.27, T.17 N., R.23 E., Cherokee County, Hydrologic Unit 11110103, on downstream left abutment of bridge on State Highway 51, 0.4 mi southeast of Eldon, 6.0 mi downstream from Tyner Creek, and at mile 8.8.

DRAINAGE AREA.--307 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1948 to current year. Prior to October 1970 published as Barren Fork at Eldon.

REVISED RECORDS.--WDR OK-93-1: 1990 (M), WDR OK-99-1: 1987 (M).

GAGE.--Water-stage recorder. Datum of gage is 701.14 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Dec. 14, 1948, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated periods which are poor. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of 23.8 ft, from information provided by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 1	1600	*11,300	*14.59	Jan 13	1000	8,520	13.15
Jan 4	1730	10,600	14.24				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	4,110	628	131	275	391	325	212	101	47	27	25
2	49	2,010	554	130	268	355	506	187	101	47	26	25
3	47	1,140	490	884	267	327	501	172	100	47	25	25
4	46	991	438	5,010	269	306	463	162	99	46	25	26
5	45	784	412	6,760	261	285	433	156	103	45	25	25
6	44	622	451	4,330	259	266	646	151	104	46	26	24
7	44	505	1,270	2,160	266	253	1,160	146	105	47	27	23
8	47	423	1,120	1,500	302	245	869	143	105	48	27	23
9	e47	355	869	1,140	291	237	726	147	103	46	26	23
10	e48	306	722	931	277	223	627	143	91	45	26	23
11	e51	390	602	785	263	209	837	137	72	44	26	23
12	e47	523	516	794	255	200	1,020	129	68	44	26	23
13	44	402	449	4,730	265	186	797	123	58	43	27	23
14	44	335	390	2,160	296	178	677	135	62	42	29	24
15	43	288	343	1,420	290	171	579	129	58	41	30	26
16	42	255	309	1,080	271	164	508	125	58	40	30	26
17	42	232	280	886	256	157	454	121	63	40	31	26
18	38	236	258	758	244	152	414	119	61	39	31	26
19	32	308	236	670	236	147	378	117	64	38	30	25
20	31	337	220	595	232	143	347	115	60	36	30	25
21	32	310	205	539	242	156	319	112	57	36	28	25
22	32	292	190	487	256	259	293	111	54	34	29	24
23	35	282	179	439	275	368	266	113	52	34	29	24
24	34	327	168	409	439	316	243	120	51	33	29	24
25	34	576	159	384	479	300	228	123	51	33	29	24
26	31	526	153	359	446	330	221	118	50	31	28	24
27	36	e513	148	334	425	319	210	114	49	31	28	22
28	60	e515	144	316	411	342	211	110	48	29	28	22
29	83	e518	140	313	---	344	207	108	48	29	28	22
30	68	527	138	303	---	317	220	106	46	28	27	22
31	73	---	135	289	---	289	---	104	---	28	26	---
TOTAL	1,397	18,938	12,316	41,026	8,316	7,935	14,685	4,108	2,142	1,217	859	722
MEAN	45.1	631	397	1,323	297	256	490	133	71.4	39.3	27.7	24.1
MAX	83	4,110	1,270	6,760	479	391	1,160	212	105	48	31	26
MIN	31	232	135	130	232	143	207	104	46	28	25	22
AC-FT	2,770	37,560	24,430	81,380	16,490	15,740	29,130	8,150	4,250	2,410	1,700	1,430
CFSM	0.15	2.06	1.29	4.31	0.97	0.83	1.59	0.43	0.23	0.13	0.09	0.08
IN.	0.17	2.29	1.49	4.97	1.01	0.96	1.78	0.50	0.26	0.15	0.10	0.09

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

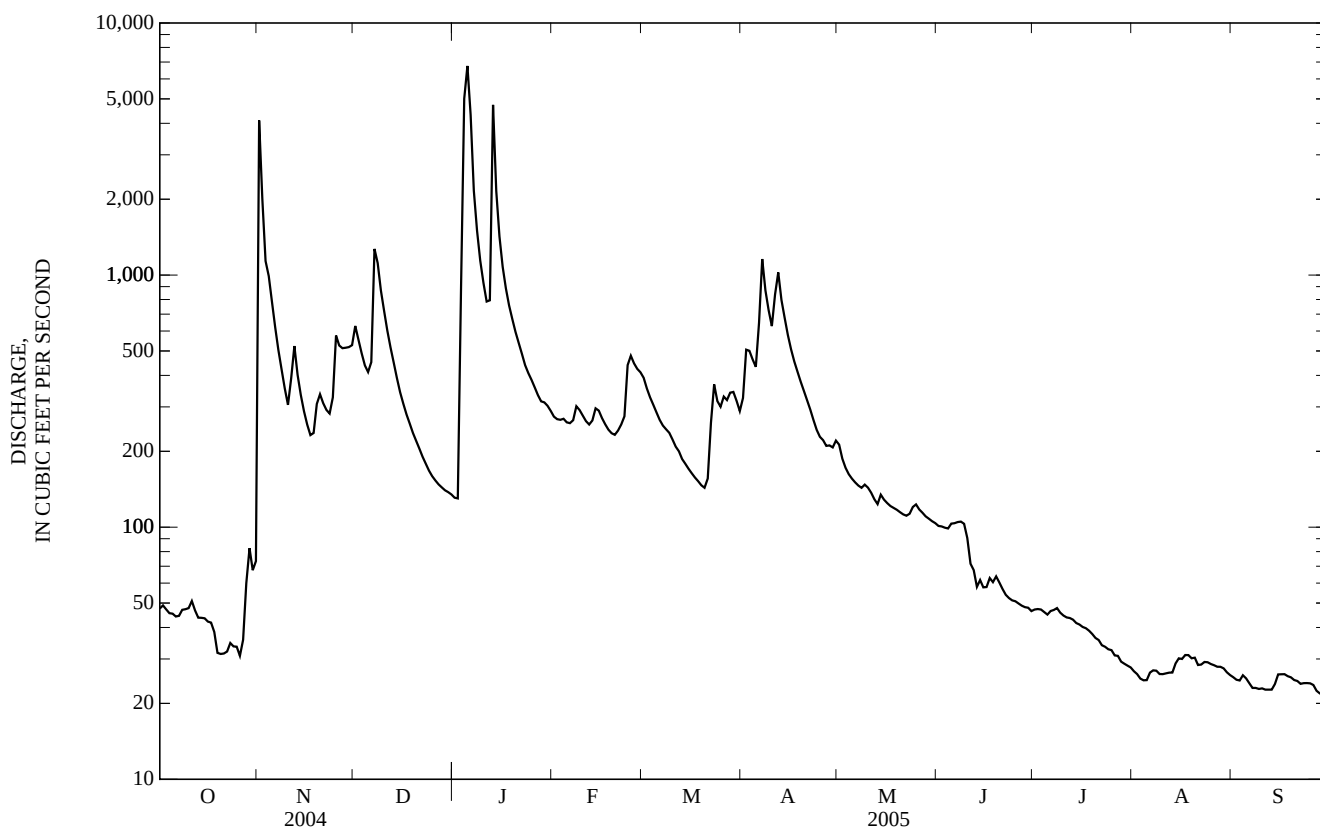
	169	326	324	323	397	532	588	611	346	153	76.6	115
MAX	2,077	1,641	1,692	1,602	1,441	1,702	2,105	2,605	2,290	903	437	927
(WY)	(1987)	(1997)	(1988)	(1998)	(1951)	(1973)	(1957)	(1957)	(2000)	(1958)	(1992)	(1970)
MIN	1.96	10.4	14.0	14.6	24.6	43.3	81.0	62.5	25.0	8.75	3.80	3.10
(WY)	(1957)	(1964)	(1964)	(1964)	(1964)	(1967)	(1954)	(1977)	(1977)	(1954)	(1954)	(1956)

e Estimated

07197000 BARON FORK AT ELDON, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	147,347		113,661		329	
ANNUAL MEAN	403		311		734	
HIGHEST ANNUAL MEAN					55.7	
LOWEST ANNUAL MEAN					34,300	
HIGHEST DAILY MEAN	16,900	Apr 24	6,760	Jan 5	1,986	Oct 1, 1986
LOWEST DAILY MEAN	31	Oct 20	22	Sep 27-30	1.8	Oct 7, 1956
ANNUAL SEVEN-DAY MINIMUM	33	Oct 20	23	Sep 24	1.8	Oct 21, 1956
MAXIMUM PEAK FLOW			11,300	Nov 1	54,700	Jun 21, 2000
MAXIMUM PEAK STAGE			14.59	Nov 1	26.77	Jun 21, 2000
ANNUAL RUNOFF (AC-FT)	292,300		225,400		238,500	
ANNUAL RUNOFF (CFSM)	1.31		1.01		1.07	
ANNUAL RUNOFF (INCHES)	17.85		13.77		14.57	
10 PERCENT EXCEEDS	614		624		700	
50 PERCENT EXCEEDS	223		144		127	
90 PERCENT EXCEEDS	51		26		23	

a Also occurred Oct. 8, 21-28, 1956.



07197000 BARON FORK AT ELDON, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948, 1958-60, July 1991 to July 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 12...	1300	1028	80020	52	<2.0	--	760	7.7	83	7.4	206	12.3	18.9
NOV 02...	1215	1028	80020	1,840	49	--	760	8.8	92	7.3	171	11.5	17.2
DEC 16...	0800	1028	80020	312	<2.0	--	772	10.6	90	7.7	193	.5	8.9
JAN 04...	1200	1028	80020	3,660	200	--	748	9.6	90	7.5	144	10.9	11.6
FEB 18...	1257	1028	80020	244	<2.0	--	751	13.0	117	8.2	194	14.9	10.0
APR 29...	1200	1028	80020	208	<2.0	--	737	11.7	123	8.2	212	17.1	16.2
JUL 11...	1200	1028	80020	44	<2.0	1.4	743	9.2	114	7.5	222	30.3	24.8
AUG 23...	1300	1028	80020	30	<2.0	2.8	742	7.2	89	7.4	220	31.5	25.0

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

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	Potas- sium, water, fltrd, mg/L (00935)	Potas- sium, water, unfltrd recover- able, mg/L (00937)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium, water, unfltrd recover- able, mg/L (00929)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	100	9	38.9	37.1	1.84	1.56	2.30	2.1	.2	3.55	7	3.2	95
AUG 23...	110	21	40.3	38.7	1.83	1.80	2.38	2.4	.2	3.62	7	3.5	88

07197000 BARON FORK AT ELDON, OK—Continued

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

Date	Bicarbon- ate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, ftrd, mg/L (00940)	Sulfate water, ftrd, mg/L (00945)	Residue water, sum of consti- tuents mg/L (70301)	Residue water, ftrd, tons/ acre-ft (70303)	Residue water, ftrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, ftrd, mg/L (71846)	Ammonia water, ftrd, mg/L as N (00608)	Nitrate water, ftrd, mg/L (71851)	Nitrate water, ftrd, mg/L as N (00618)	Nitrite + nitrate water ftrd, mg/L as N (00631)
OCT 12...	--	--	--	--	--	--	--	.10	--	E.008	--	--	.999
NOV 02...	--	--	--	--	--	--	--	.44	--	E.007	9.48	2.14	2.14
DEC 16...	--	--	--	--	--	--	--	.12	--	<.010	--	--	2.30
JAN 04...	--	--	--	--	--	--	--	1.1	.03	.023	7.37	1.66	1.67
FEB 18...	--	--	--	--	--	--	--	<.10	--	<.010	9.20	2.08	2.08
APR 29...	--	--	--	--	--	--	--	.11	.01	.011	5.20	1.18	1.18
JUL 11...	116	.0	5.63	5.4	117	.16	13.9	E.09	.02	.016	2.16	.49	.489
AUG 23...	E105	E.0	5.84	5.0	113	.15	9.13	.10	.02	.018	--	--	.244

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

Date	Nitrite water, ftrd, mg/L (71856)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, ftrd, mg/L (00660)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, ftrd, ug/L (01106)	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, ftrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)
OCT 12...	--	E.001	--	1.1	.058	.019	.027	.029	--	--	--	--	--
NOV 02...	.007	.002	--	2.6	.199	.065	.078	.157	--	--	--	--	--
DEC 16...	--	E.001	--	2.4	.064	.021	.030	.030	--	--	--	--	--
JAN 04...	.010	.003	1.1	2.8	.248	.081	.096	.41	--	--	--	--	--
FEB 18...	.010	.003	--	--	.052	.017	.020	.023	--	--	--	--	--
APR 29...	.013	.004	.10	1.3	.018	.006	.013	.017	--	--	--	--	--
JUL 11...	.007	.002	--	--	.040	.013	.022	.027	2.3	E1	3	<.20	<.2
AUG 23...	--	E.001	.08	.34	.055	.018	.025	.031	2.3	2	40	<.20	<.2

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

Date	Arsenic water, ftrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Cobalt water, unfltrd recover- able, ug/L (01037)	Copper, water, ftrd, ug/L (01040)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	.3	<2	38	36	<.06	<.06	<.04	<.04	<2	<2	.103	.086	.7
AUG 23...	.3	.32	44	38	<.06	<.06	E.03	<.04	<2	<2	.141	.174	13.1

07197000 BARON FORK AT ELDON, OK—Continued

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

Date	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
OCT 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	1.6	7	M	<.08	.10	13.1	13	<.01	<.01	E.3	.3	1.65	.51
AUG 23...	E.6	E4	80	.19	.18	15.2	19	<.01	E.01	E.3	.3	2.34	1.30

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT 12...	--	--	--	--	--	--	--	--	--	--	96	21	2.9
NOV 02...	--	--	--	--	--	--	--	--	--	--	91	122	604
DEC 16...	--	--	--	--	--	--	--	--	--	--	85	3	2.5
JAN 04...	--	--	--	--	--	--	--	--	--	--	72	672	6,640
FEB 18...	--	--	--	--	--	--	--	--	--	--	78	3	2.0
APR 29...	--	--	--	--	--	--	--	--	--	--	99	18	10
JUL 11...	E.4	E.3	<.2	<.16	<.04	<.2	.5	<2	E.5	E1	88	4	.48
AUG 23...	.4	.8	<.2	<.16	<.04	<.2	.8	<2	8.6	<2	55	7	.57

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07197360 CANEY CREEK NEAR BARBER, OK

LOCATION.--Lat 35°47'05", long 94°51'21", in SE ¼ SW ¼ sec.10, T.15 N., R.23 E., Cherokee County, Hydrologic Unit 11110103, on left downstream bank of county road bridge, 0.9 mi below Negro Jake Hollow, 1.9 mi northeast of Barber, and 0.5 mi upstream from Tenkiller Ferry Lake.

DRAINAGE AREA.--89.6 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 632.09 ft above NGVD of 1929 from topographic map.

REMARKS.--Records fair except for estimated periods which are poor. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	1,040	89	35	92	88	173	48	30	20	13	9.6
2	17	338	89	35	90	82	192	46	29	19	13	9.4
3	15	231	85	506	82	78	176	44	28	18	13	9.4
4	15	173	79	1,350	78	74	151	41	27	18	12	9.6
5	15	128	86	e1,300	75	69	132	39	31	19	14	9.9
6	14	98	141	e1,120	77	65	196	38	28	21	17	9.2
7	16	78	393	e847	75	64	199	36	27	18	15	8.7
8	17	64	274	e654	76	59	169	37	26	18	13	8.0
9	17	55	212	e551	78	57	145	36	26	17	13	7.3
10	17	51	169	e460	75	54	127	34	27	17	12	6.8
11	20	57	141	e383	73	52	284	34	26	19	11	7.2
12	18	54	125	e383	72	50	218	33	25	19	11	6.8
13	18	49	110	e1,170	76	49	182	33	29	17	10	6.4
14	18	45	100	e666	74	46	155	39	26	17	13	12
15	18	41	93	e531	74	44	133	33	25	18	14	15
16	18	38	88	e444	70	42	117	32	25	19	13	13
17	18	35	82	e380	68	40	104	31	38	18	16	12
18	18	72	77	e348	66	39	95	31	30	17	15	11
19	17	62	72	e316	64	38	90	30	27	16	13	11
20	17	58	68	e269	63	36	84	30	27	16	13	12
21	17	63	65	e237	62	51	79	30	27	15	13	12
22	17	61	57	e189	59	76	73	29	26	14	13	12
23	18	63	53	e165	76	84	67	41	24	14	14	11
24	16	87	50	e157	88	86	64	61	23	14	14	11
25	16	99	47	146	103	108	60	53	22	13	13	12
26	17	100	45	129	100	111	60	37	22	12	12	11
27	19	107	43	119	98	122	54	35	20	23	13	10
28	27	94	41	116	94	119	58	33	20	16	12	11
29	23	93	40	108	---	112	56	33	20	13	12	9.7
30	23	90	38	101	---	103	51	32	19	13	11	8.8
31	36	---	36	99	---	92	---	31	---	13	10	---
TOTAL	568	3,624	3,088	13,314	2,178	2,190	3,744	1,140	780	521	401	302.8
MEAN	18.3	121	99.6	429	77.8	70.6	125	36.8	26.0	16.8	12.9	10.1
MAX	36	1,040	393	1,350	103	122	284	61	38	23	17	15
MIN	14	35	36	35	59	36	51	29	19	12	10	6.4
AC-FT	1,130	7,190	6,130	26,410	4,320	4,340	7,430	2,260	1,550	1,030	795	601

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

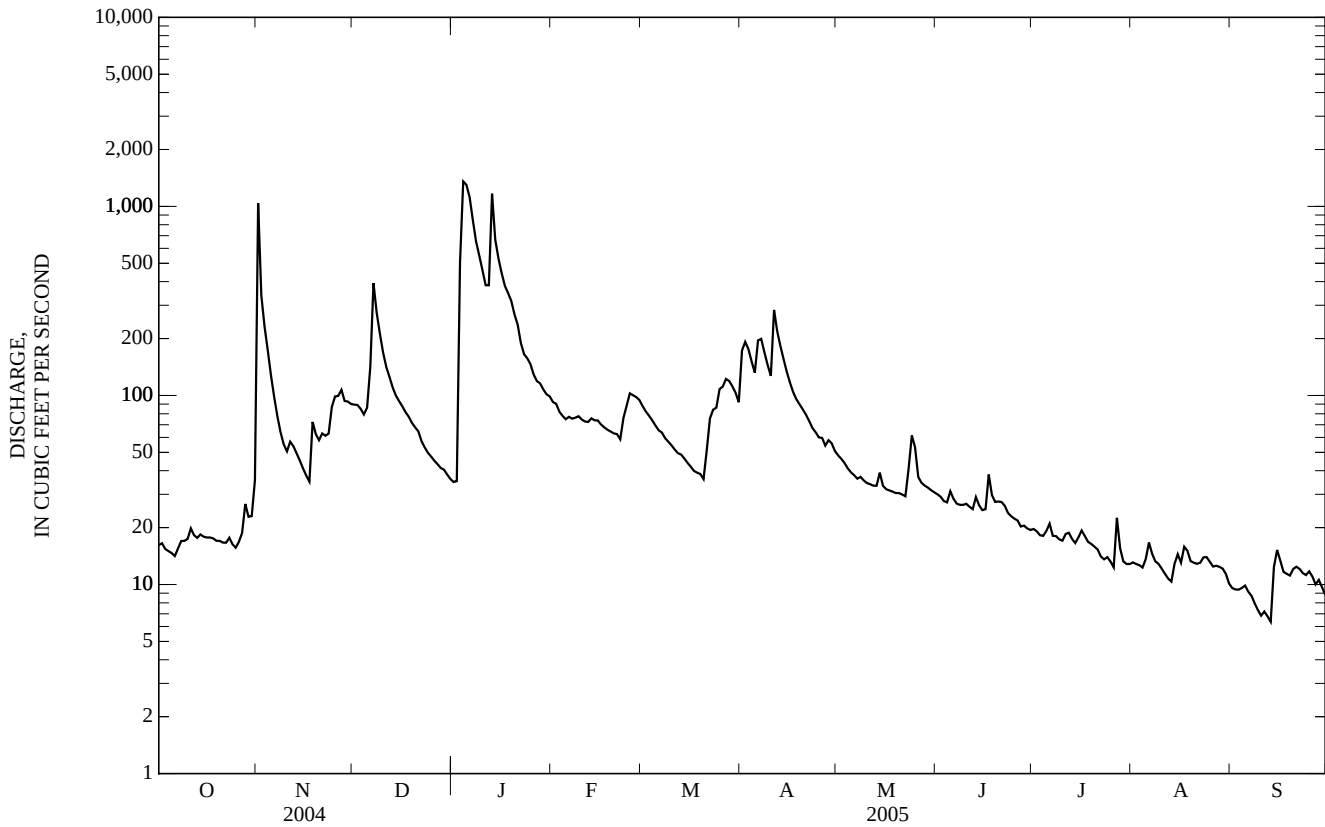
MEAN	36.7	71.6	88.6	160	120	160	145	80.1	110	76.6	26.6	15.9
MAX	129	121	218	537	492	316	346	172	514	347	68.6	20.4
(WY)	(1999)	(2005)	(2002)	(1998)	(2001)	(1998)	(2004)	(1999)	(2000)	(2004)	(2004)	(2004)
MIN	11.7	15.8	29.1	31.1	30.0	52.9	22.3	36.8	26.0	11.8	5.81	10.1
(WY)	(2000)	(2003)	(2003)	(2000)	(2000)	(2003)	(2003)	(2005)	(2005)	(2003)	(2003)	(2005)

e Estimated

07197360 CANEY CREEK NEAR BARBER, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	46,273		31,850.8		90.8	
ANNUAL MEAN	126		87.3		28.3	
HIGHEST ANNUAL MEAN					120	
LOWEST ANNUAL MEAN					28.3	
HIGHEST DAILY MEAN	2,650	Jul 3	1,350	Jan 4	3,600	Jan 4, 1998
LOWEST DAILY MEAN	14	Oct 6	6.4	Sep 13	2.7	Aug 27, 2003
ANNUAL SEVEN-DAY MINIMUM	15	Sep 30	7.3	Sep 7	3.1	Aug 22, 2003
MAXIMUM PEAK FLOW			2,480	Jan 4	9,720	Jun 21, 2000
MAXIMUM PEAK STAGE			a11.53	Jan 8	a20.74	Jun 30, 2000
ANNUAL RUNOFF (AC-FT)	91,780		63,180		65,760	
10 PERCENT EXCEEDS	252		169		170	
50 PERCENT EXCEEDS	54		38		40	
90 PERCENT EXCEEDS	18		12		12	

a Occurred during backwater from Tenkiller Ferry Lake.



07197360 CANEY CREEK NEAR BARBER, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1997 to July 2002, May 2005 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, alkalinity, and turbidity were determined in the field.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JUL 11...	1400	1028	80020	18	<2.0	.9	742	8.1	103	7.6	250	22.8	26.3
AUG 23...	1615	1028	80020	14	<2.0	1.5	742	9.1	119	7.5	256	33.0	27.6

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

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarbohardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recoverable, mg/L (00916)	Magnesium water, fltrd, mg/L (00925)	Magnesium water, unfltrd recoverable, mg/L (00927)	Potassium water, fltrd, mg/L (00935)	Potassium water, unfltrd recoverable, mg/L (00937)	Sodium adsorption ratio (00931)	Sodium water, fltrd, mg/L (00930)	Sodium, percent (00932)	Sodium water, unfltrd recoverable, mg/L (00929)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
JUL 11...	120	12	45.9	44.8	1.57	1.38	2.08	1.9	.1	3.64	6	3.4	110
AUG 23...	130	35	49.0	48.4	1.60	1.62	2.22	2.3	.2	3.92	6	3.8	94

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

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
JUL 11...	133	.0	5.81	5.9	132	.18	6.43	.11	.04	.028	1.58	.36	.358
AUG 23...	E113	E.0	6.16	5.7	126	.17	4.75	E.07	.02	.015	--	--	.184

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

Date	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Antimony, water, unfltrd ug/L (01097)
JUL 11...	.007	.002	.08	.47	.080	.026	.035	.041	2.8	2	24	<.20	<.2
AUG 23...	--	E.001	--	--	.086	.028	.036	.041	1.5	2	29	<.20	<.2

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

Date	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recoverable, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, fltrd, ug/L (01040)
JUL 11...	.4	<2	41	39	<.06	<.06	<.04	<.04	<2	<2	.097	.095	.9
AUG 23...	.4	<2	45	41	<.06	<.06	<.04	<.04	<2	<2	.140	.160	.7

07197360 CANEY CREEK NEAR BARBER, OK—Continued

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

Date	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
JUL 11...	E.6	<6	40	E.07	.24	4.0	6	<.01	<.01	E.3	.3	2.04	.54
AUG 23...	<.6	<6	50	.12	.10	3.7	6	<.01	<.01	E.3	.3	2.69	1.50

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

Date	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Thall- ium, water, fltrd, ug/L (01057)	Thall- ium, water, unfltrd ug/L (01059)	Vanad- ium, water, fltrd, ug/L (01085)	Vanad- ium, water, unfltrd ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
JUL 11...	E.3	E.3	<.2	<.16	<.04	<.2	.7	<2	1.7	E1	68	5	.24
AUG 23...	.4	.6	<.2	<.16	<.04	<.2	1.1	<2	.9	<2	65	9	.34

07198000 ILLINOIS RIVER NEAR GORE, OK

LOCATION.--Lat 35°34'23", long 95°04'07", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.13 N., R.21 E., Sequoyah County, Hydrologic Unit 11110103, on right bank 4.2 mi downstream from Tenkiller Ferry Dam, 4.5 mi northeast of Gore, and at mile 8.5.

DRAINAGE AREA.--1,626 mi².

PERIOD OF RECORD.--March 1924 to April 1926, April 1939 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 468.00 ft above NGVD of 1929. See WSP 1921 for history of changes prior to Feb. 19, 1952. Feb. 19, 1952 to Aug. 15, 1989, gage at same site and datum 5.00 ft higher.

REMARKS.--No estimated daily discharge. Records fair. Except for 16 mi² intervening area, flow completely regulated since July 1952 by Tenkiller Ferry Lake (station 07197500). U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,470	253	1,780	84	3,770	2,360	1,260	232	590	922	1,210	849
2	124	146	1,800	85	3,770	2,230	77	623	636	526	1,770	99
3	111	133	1,870	372	3,800	2,220	55	1,760	1,050	94	2,090	89
4	1,130	2,310	1,780	1,410	2,820	55	1,210	1,140	901	749	333	88
5	1,300	319	1,870	2,790	53	39	2,480	2,090	2,010	1,110	1,080	88
6	1,520	119	2,080	4,160	44	38	2,380	838	917	972	103	88
7	1,340	116	2,830	5,530	2,200	2,190	2,390	42	1,610	1,070	91	756
8	1,640	2,490	4,060	8,880	2,340	2,370	2,290	38	1,570	1,130	1,910	99
9	128	2,960	4,040	11,100	2,200	2,200	2,160	1,240	1,600	962	2,040	92
10	118	4,290	4,030	11,000	2,230	2,190	2,120	1,680	1,100	970	2,150	91
11	1,200	4,280	4,060	8,680	2,010	2,060	2,680	1,620	94	1,170	1,400	91
12	974	4,280	4,040	6,390	1,100	53	3,790	1,800	151	1,320	998	91
13	128	319	4,020	6,450	1,030	2,780	3,800	1,310	1,780	1,150	103	91
14	118	113	4,090	6,340	2,060	2,650	3,790	60	931	1,710	94	94
15	460	2,470	4,060	7,490	2,220	965	3,790	41	914	815	92	95
16	118	2,290	4,080	8,500	1,610	950	3,760	657	387	1,130	1,600	94
17	109	2,160	4,070	8,500	1,610	937	3,750	674	90	1,120	1,380	94
18	738	1,970	1,860	8,520	1,570	505	3,770	1,140	85	1,640	1,850	94
19	280	150	1,740	8,500	48	39	3,810	1,350	85	1,850	2,360	1,490
20	189	121	1,700	7,590	40	36	3,830	517	1,150	1,860	1,280	1,280
21	1,630	114	2,370	6,220	38	1,940	3,840	47	1,770	1,270	103	1,080
22	1,360	1,850	2,450	6,200	37	2,270	3,870	39	941	809	2,250	890
23	131	1,880	1,770	6,200	39	2,420	2,180	935	1,270	2,070	2,710	462
24	279	1,850	110	6,180	1,860	964	42	1,080	1,210	1,780	147	104
25	812	1,930	81	6,300	2,350	1,050	2,340	95	1,030	1,790	91	96
26	1,150	2,010	79	6,440	2,170	52	1,320	81	1,290	115	812	95
27	1,700	1,870	1,690	6,450	2,160	42	51	277	1,050	1,340	98	98
28	1,520	2,020	1,260	5,000	2,160	2,210	35	82	915	1,020	90	96
29	815	2,190	929	924	---	1,090	978	80	925	821	400	96
30	126	1,860	99	3,760	---	1,220	398	80	1,090	1,790	852	98
31	126	---	82	3,760	---	1,330	---	459	---	114	101	---
TOTAL	22,844	48,863	70,780	179,805	47,339	41,455	68,246	22,107	29,142	35,189	31,588	8,968
MEAN	737	1,629	2,283	5,800	1,691	1,337	2,275	713	971	1,135	1,019	299
MAX	1,700	4,290	4,090	11,100	3,800	2,780	3,870	2,090	2,010	2,070	2,710	1,490
MIN	109	113	79	84	37	36	35	38	85	94	90	88
AC-FT	45,310	96,920	140,400	356,600	93,900	82,230	135,400	43,850	57,800	69,800	62,650	17,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

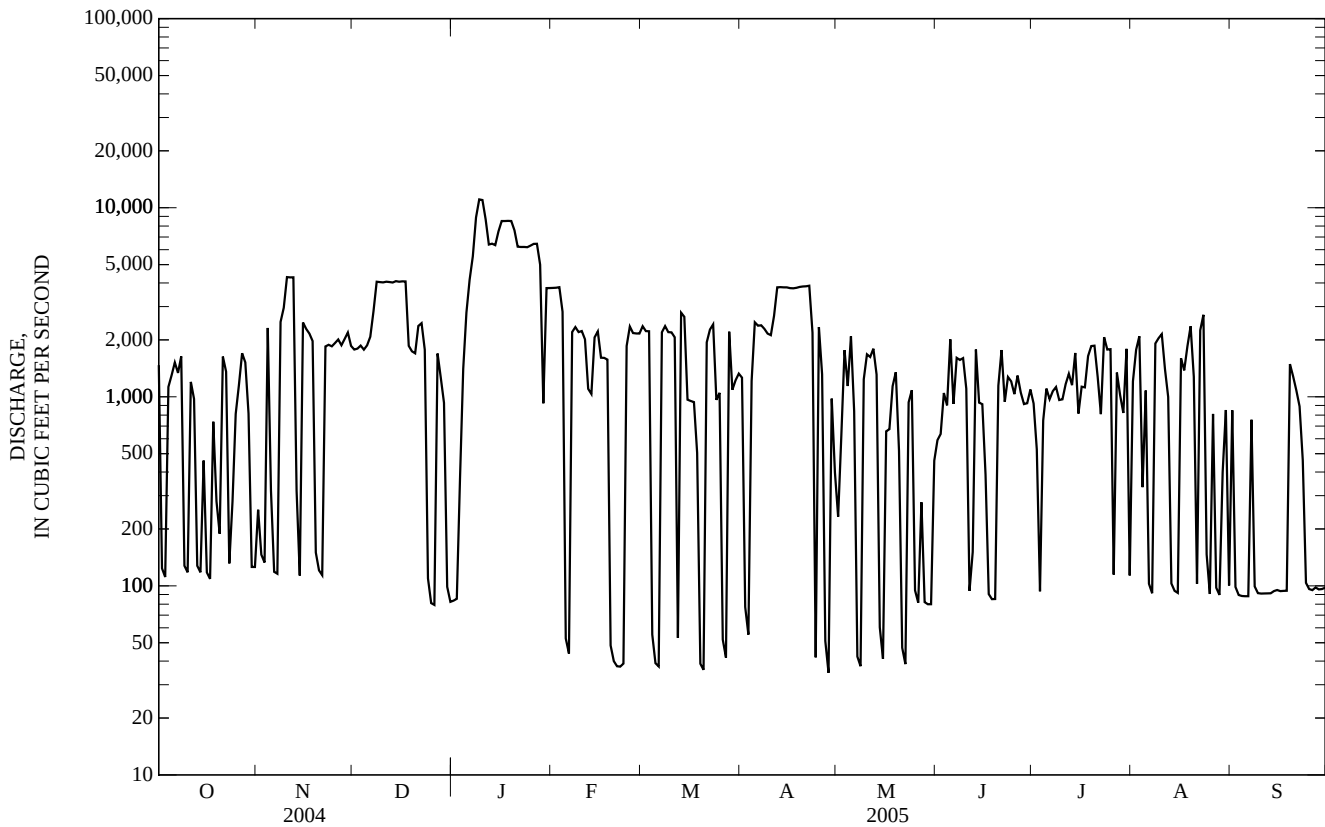
MEAN	770	1,212	1,661	1,699	1,648	2,063	2,625	2,257	1,797	1,437	884	629
MAX	8,165	4,538	9,652	6,204	5,740	5,358	8,340	10,940	7,177	8,046	2,358	2,174
(WY)	(1987)	(1992)	(1974)	(1998)	(1969)	(2001)	(1990)	(1990)	(1957)	(1957)	(1961)	(1993)
MIN	74.4	56.0	55.5	27.7	57.1	60.9	70.0	105	141	84.9	81.4	80.7
(WY)	(1981)	(1984)	(1981)	(1965)	(1981)	(1981)	(1980)	(1981)	(1963)	(1988)	(1963)	(1963)

07198000 ILLINOIS RIVER NEAR GORE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	686,789		606,326		1,556	
ANNUAL MEAN	1,876		1,661		3,199	
HIGHEST ANNUAL MEAN					280	
LOWEST ANNUAL MEAN					15,800	
HIGHEST DAILY MEAN	13,100	May 6	11,100	Jan 9	2.1	May 6, 1957
LOWEST DAILY MEAN	37	May 23	35	Apr 28	3.5	Sep 16, 1959
ANNUAL SEVEN-DAY MINIMUM	111	Jan 28	92	Sep 9	a18,100	Jun 2, 1965
MAXIMUM PEAK FLOW			11,200	Jan 9	b18.70	Jun 9, 1957
MAXIMUM PEAK STAGE			16.06	Jan 9		
ANNUAL RUNOFF (AC-FT)	1,362,000		1,203,000		1,127,000	
10 PERCENT EXCEEDS	4,040		3,930		3,720	
50 PERCENT EXCEEDS	1,090		1,200		932	
90 PERCENT EXCEEDS	98		85		71	

a Maximum discharge, 180,000 ft³/s, May 11, 1950, from rating curve extended above 42,000 ft³/s by velocity area.

b Maximum gage height, 34.6 ft, May 11, 1950, from floodmark, present site and datum.



07228500 CANADIAN RIVER AT BRIDGEPORT, OK

LOCATION.--Lat 35°32'37", long 98°19'03", SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.12 N., R.11 W., Caddo County, Hydrologic Unit 11090202, on downstream side of pier near center of bridge on U.S. Highway 281, 3.3 mi east of Bridgeport, 1.6 mi downstream from Lump- mouth Creek, and at mile 263.3.

DRAINAGE AREA.--25,276 mi², of which 4,801 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1944 to September 1964; October 1969 to current year.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,360.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1947, at site 3.8 mi upstream at datum 24.25 ft higher. Oct. 1, 1947 to Sept. 30, 1948, nonrecording gage and Oct. 1, 1948, to September 1964, Oct. 1, 1969, to Dec. 17, 1980, at site 4.0 mi upstream and at datum 24.25 ft higher.

REMARKS.--No estimated daily discharge. Records poor. Flow regulated since October 1964 by Lake Meredith (station 07227900) located in Texas. U.S. Geological Survey satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1914 reached a stage of about 19.4 ft, a higher stage probably occurred during flood in October 1904.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	192	347	291	753	532	309	164	74	163	19	83
2	44	196	333	314	772	518	311	197	80	169	18	69
3	43	289	331	334	764	479	293	237	93	163	17	61
4	75	314	329	364	733	441	263	223	129	203	18	53
5	106	305	309	503	642	432	278	233	110	248	23	47
6	86	290	321	891	641	404	315	239	87	229	25	44
7	92	266	393	1,030	671	430	310	259	68	185	22	41
8	127	242	385	948	671	402	293	274	58	161	23	39
9	130	213	376	897	663	385	254	266	44	142	21	35
10	153	207	362	906	658	376	239	239	75	140	20	30
11	280	227	345	895	615	351	246	204	270	134	19	28
12	324	229	342	812	558	337	240	181	440	127	17	30
13	309	235	325	762	531	330	228	218	5,540	115	22	32
14	324	247	308	692	484	324	218	584	2,520	103	44	139
15	335	345	263	664	487	330	233	301	1,820	96	59	1,550
16	319	435	285	603	487	379	270	178	1,550	83	69	387
17	278	525	279	549	489	375	227	131	3,030	66	66	146
18	251	783	271	623	503	403	191	103	2,180	55	39	75
19	231	782	269	660	477	421	194	107	1,260	51	27	56
20	218	511	262	600	504	420	212	103	867	45	31	51
21	203	567	270	628	504	405	226	83	705	41	201	42
22	181	565	280	635	496	405	218	70	539	40	1,090	38
23	198	466	286	601	548	393	189	59	419	32	891	34
24	181	549	242	601	564	374	176	49	376	24	440	33
25	183	506	183	630	568	367	171	44	338	20	265	32
26	169	470	247	626	535	360	167	52	300	20	182	29
27	213	519	314	592	514	347	163	72	252	23	129	28
28	210	403	318	634	502	311	160	76	223	24	343	23
29	195	376	277	786	---	286	162	68	193	25	194	25
30	194	348	240	849	---	310	162	69	170	23	130	22
31	194	---	274	766	---	303	---	73	---	21	97	---
TOTAL	5,873	11,602	9,366	20,686	16,334	11,930	6,918	5,156	23,810	2,971	4,561	3,302
MEAN	189	387	302	667	583	385	231	166	794	95.8	147	110
MAX	335	783	393	1,030	772	532	315	584	5,540	248	1,090	1,550
MIN	27	192	183	291	477	286	160	44	44	20	17	22
AC-FT	11,650	23,010	18,580	41,030	32,400	23,660	13,720	10,230	47,230	5,890	9,050	6,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	199	237	203	256	281	493	409	716	529	123	134	176
MAX	2,412	1,525	870	1,162	878	1,907	1,795	4,188	2,342	500	1,036	1,386
(WY)	(1987)	(1975)	(1998)	(1988)	(2001)	(1973)	(1997)	(1987)	(1995)	(1979)	(1974)	(1996)
MIN	7.01	17.5	16.2	22.5	36.8	60.8	20.5	13.4	12.9	3.18	0.14	1.14
(WY)	(1979)	(1971)	(1979)	(1979)	(1981)	(1977)	(1971)	(1971)	(1970)	(1970)	(1970)	(1984)

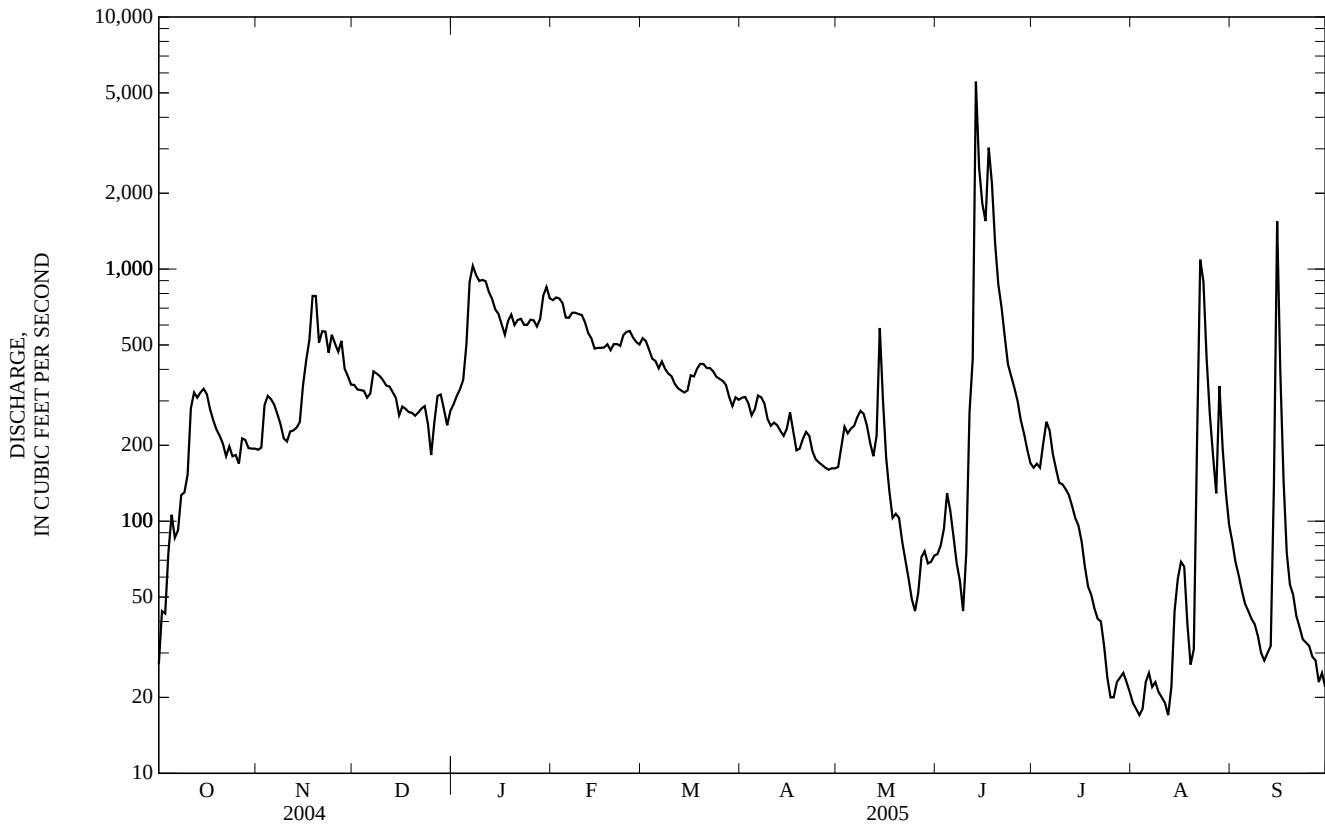
07228500 CANADIAN RIVER AT BRIDGEPORT, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	90,879.4		122,509		a313	
ANNUAL MEAN	248		336		1,018	
HIGHEST ANNUAL MEAN					70.2	
LOWEST ANNUAL MEAN					42,100	
HIGHEST DAILY MEAN	9,040	Mar 5	5,540	Jun 13	May 29, 1987	1981
LOWEST DAILY MEAN	5.7	Sep 20	17	Aug 3, 12	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	10	Sep 16	20	Jul 30	0.00	Aug 3, 1970
MAXIMUM PEAK FLOW			8,070	Jun 13	b86,100	May 17, 1982
MAXIMUM PEAK STAGE			14.96	Jun 13	c17.55	May 17, 1982
ANNUAL RUNOFF (AC-FT)	180,300		243,000		226,800	
10 PERCENT EXCEEDS	379		648		550	
50 PERCENT EXCEEDS	188		254		130	
90 PERCENT EXCEEDS	35		34		13	

a Prior to regulation, water years 1945-64, 469 ft³/s.

b Maximum discharge for period of record, 150,000 ft³/s, June 23, 1948, from rating curve extended above 50,000 ft³/s (at former site).

c Maximum gage height for period of record, 14.60 ft, June 23, 1948, from flood mark at site and datum then in use.



07229200 CANADIAN RIVER AT PURCELL, OK

LOCATION.--Lat 35°00'50", long 97°20'50", in NW $\frac{1}{4}$ sec.7, T.6 N., R.1 W., Cleveland County, Hydrologic Uni 11090202, near left bank on downstream side of pier of U.S. Highway 77, 0.5 mi east of Purcell, 1.0 mi upstream from Walnut Creek, and at mile 184.9.

DRAINAGE AREA.--25,939 mi², of which 4,801 mi² probably is noncontributing.

PERIOD OF RECORD.--October 1959 to June 1961, October 1979 to September 1983, October 1985 to current year.

REVISED RECORDS.--OK-95-1: 1994 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,017.14 ft above NGVD of 1929.

REMARKS.--Records poor. Flow regulated since October 1964 by Lake Meredith (station 07227900) located in Texas. U.S. Army Corps of Engineers' satellite telemeter located at site.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1904 reached a stage of 14.18 ft and flood in 1914 reached a stage of 12.98 ft, from information by the Atchison, Topeka, and Santa Fe Railway Co.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	772	864	899	1,270	1,330	335	e167	e121	e273	e26	287
2	59	619	813	810	1,200	1,210	316	e193	e129	e252	e20	e251
3	35	849	815	879	1,150	1,230	324	e242	e131	e220	e18	e225
4	35	1,030	809	976	1,150	1,190	326	e262	e117	580	e17	e205
5	e46	956	865	2,090	1,060	1,070	319	e267	e334	764	e27	e175
6	41	735	930	2,240	1,350	806	295	e294	e258	397	e74	e175
7	46	668	1,070	1,650	1,260	711	350	e275	e151	e280	e43	e136
8	409	625	892	1,590	997	675	e325	e262	e127	290	e33	e126
9	419	585	904	1,300	1,050	690	e304	e250	121	e236	e29	e133
10	551	557	844	1,320	1,020	747	e332	e250	202	e215	e28	e115
11	2,100	576	824	1,230	1,070	743	426	e216	333	e202	e26	e96
12	523	555	796	1,220	1,120	837	272	e193	687	e196	e24	e90
13	403	521	767	1,110	1,160	913	239	e425	2,160	e194	e26	e85
14	511	519	741	1,040	1,020	992	223	e453	6,770	310	e49	e86
15	498	726	732	1,000	1,100	1,000	215	e904	3,600	532	578	245
16	514	1,370	800	938	1,000	1,000	203	e605	2,390	270	441	2,620
17	566	1,380	832	945	1,010	993	211	e398	3,330	e194	e213	670
18	598	2,830	811	767	873	981	212	e288	4,570	e140	e149	360
19	557	2,170	844	807	770	1,070	266	e223	3,070	e99	e117	e240
20	511	1,940	836	797	745	1,130	247	e176	1,590	e82	e94	e202
21	485	2,580	826	767	757	1,300	232	e159	867	e67	185	e184
22	463	2,450	789	683	857	1,170	e235	e136	841	e60	647	e168
23	439	1,900	825	586	1,210	1,070	e214	e108	741	e54	3,090	e159
24	407	1,630	769	657	1,460	954	e235	e97	596	e46	1,470	e82
25	381	1,340	720	672	1,260	829	e216	e82	527	e39	528	e68
26	410	1,190	e620	701	1,280	711	e204	e76	454	e34	454	e45
27	418	1,070	700	718	1,400	633	e189	e114	401	e36	429	e34
28	761	1,090	825	835	1,370	540	e181	e98	349	e53	355	e26
29	1,090	1,110	828	902	---	453	e178	e91	310	e84	931	e29
30	634	874	990	883	---	382	e172	e95	e280	e49	673	e31
31	497	---	1,050	1,060	---	344	---	e105	---	e37	376	---
TOTAL	14,477	35,217	25,731	32,072	30,969	27,704	7,796	7,504	35,557	6,285	11,170	7,348
MEAN	467	1,174	830	1,035	1,106	894	260	242	1,185	203	360	245
MAX	2,100	2,830	1,070	2,240	1,460	1,330	426	904	6,770	764	3,090	2,620
MIN	35	519	620	586	745	344	172	76	117	34	17	26
AC-FT	28,720	69,850	51,040	63,610	61,430	54,950	15,460	14,880	70,530	12,470	22,160	14,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	586	581	656	658	705	1,011	907	1,711	1,348	372	256	380
MAX	7,083	2,648	2,602	2,055	1,865	3,533	3,168	7,717	5,863	1,216	1,183	1,563
(WY)	(1987)	(1987)	(1992)	(1987)	(1987)	(1998)	(1999)	(1993)	(1989)	(1987)	(1996)	(1996)
MIN	2.84	11.9	101	23.7	21.3	113	38.1	73.1	309	41.4	2.00	2.54
(WY)	(1981)	(1981)	(2004)	(1981)	(1981)	(1981)	(1981)	(1981)	(1988)	(1980)	(1980)	(1980)

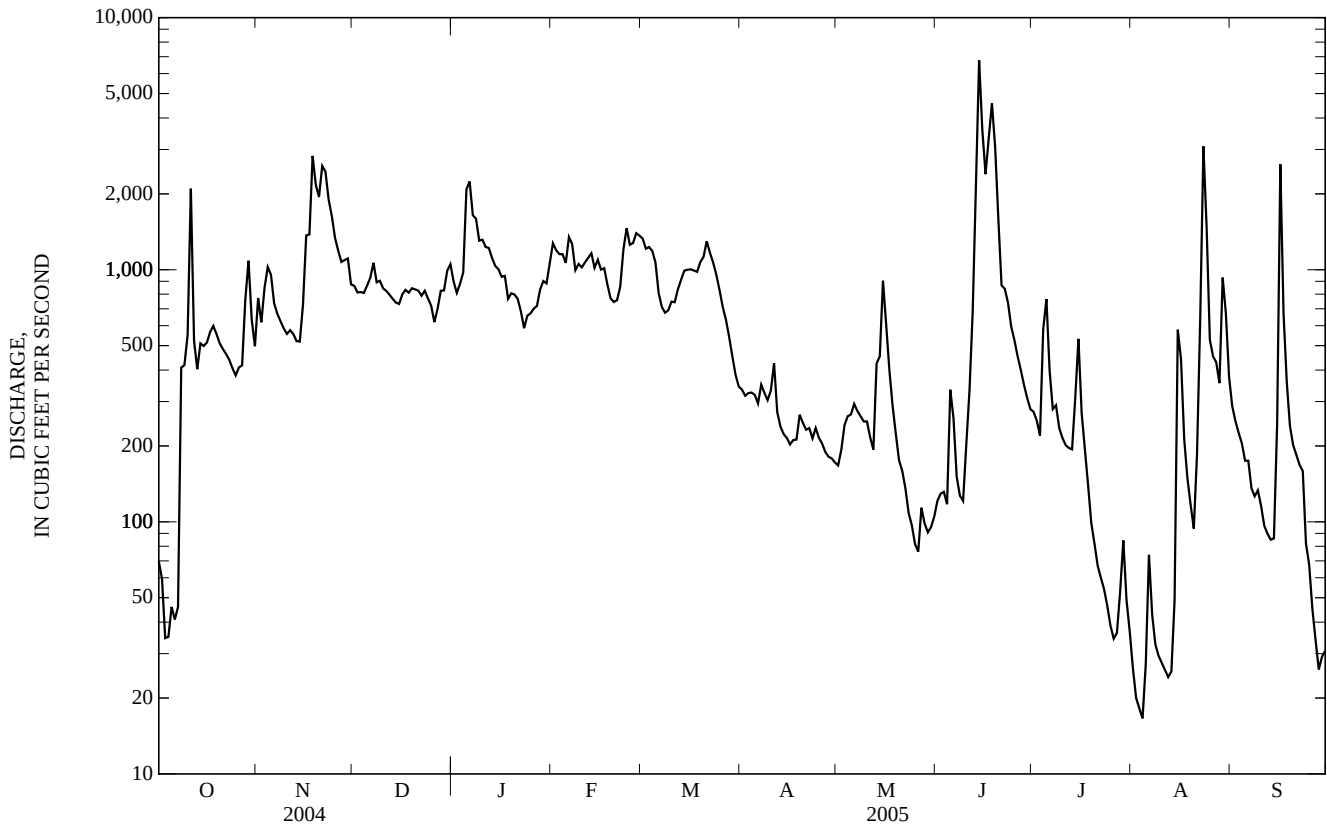
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07229200 CANADIAN RIVER AT PURCELL, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	179,922		241,830		764	
ANNUAL MEAN	492		663		117	
HIGHEST ANNUAL MEAN					2,287	
LOWEST ANNUAL MEAN					117	
HIGHEST DAILY MEAN	9,590	Mar 6	6,770	Jun 14	71,000	May 29, 1987
LOWEST DAILY MEAN	17	Sep 28	17	Aug 4	a0.00	Aug 2, 1980
ANNUAL SEVEN-DAY MINIMUM	19	Sep 23	28	Jul 30	0.00	Aug 6, 1980
MAXIMUM PEAK FLOW			7,830	Jun 14	102,000	May 29, 1987
MAXIMUM PEAK STAGE			8.76	Jun 14	b14.75	May 29, 1987
ANNUAL RUNOFF (AC-FT)	356,900		479,700		553,600	
10 PERCENT EXCEEDS	921		1,260		1,400	
50 PERCENT EXCEEDS	326		523		346	
90 PERCENT EXCEEDS	57		72		41	

a No flow at times in 1980.

b From high-water mark.



07229445 STANLEY DRAPER LAKE NEAR OKLAHOMA CITY ,OK

LOCATION.--Lat 35°19'42", long 97°21'23", in SE ¼ NE ¼ sec.24, T.10 N., R.2 W., Cleveland County, Hydrologic Unit 11090203, in intake tower at end of walkway 100ft north of dam on East Elm Creek and at mile 2.5.

DRAINAGE AREA.--13.07 mi².

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

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

REMARKS.--Reservoir is formed by a compacted earth dam constructed in 1962, 111 ft above streambed. Outlet works: circular intake tower with 5.5 ft sides and 3 ft by 5 ft intake gates with invert at elevations 1,118.5 ft, 1,133.5 ft, 1,163.5 ft, and 1,178.5 ft. Two 60 inch pipes convey water through a 10.5 ft by 17 ft horseshoe conduit and open ditch to the treatment plant or lower level pump station. Top of Dam 1,201.00 ft, 148,000 acre-ft; maximum pool 1,196.4 ft, 134,00 acre-ft; normal pool 1,191.00 ft, 114,000 acre-ft. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 92,580 acre-ft, Mar. 20-22, 2003, elevation 1,188.50 ft; minimum, 78,050 acre-ft, Nov. 29, 2001, elevation, 1,182.86 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 93,530 acre-ft, Jan. 12, elevation 1,188.87 ft; minimum contents, 86,350 acre- ft, Aug. 12, 13, elevation, 1,186.08 ft.

Capacity table (elevation, in feet, and contents, in acre-feet):

1150	22190	1180	70690
1160	34190	1190	96440
1170	50040	1200	127200

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86,650	87,040	89,560	91,160	92,060	92,350	93,270	91,550	91,140	89,020	87,300	87,300
2	86,650	86,960	89,770	91,240	92,110	92,370	93,120	91,570	91,160	89,000	87,170	87,270
3	86,550	87,500	89,620	91,390	92,060	92,420	92,960	91,620	91,140	88,920	87,070	87,250
4	86,550	87,480	89,640	91,600	92,040	92,470	92,810	91,620	91,060	89,200	86,960	87,220
5	86,550	87,450	89,850	92,420	92,010	92,500	92,810	91,600	91,080	89,310	86,840	87,170
6	86,500	87,450	89,950	92,550	92,140	92,580	92,810	91,620	91,110	89,200	86,760	87,140
7	86,470	87,480	90,260	92,600	92,190	92,650	92,890	91,620	91,060	89,100	86,730	87,090
8	e86,470	87,380	90,340	92,680	92,140	92,650	92,890	91,620	90,930	89,080	86,760	87,040
9	e86,580	87,380	90,390	92,630	92,140	92,710	92,910	91,650	90,830	89,050	86,680	87,040
10	e86,960	87,270	90,520	92,940	92,060	92,680	92,910	91,600	90,880	89,000	86,600	86,960
11	e87,220	87,350	90,470	93,040	92,040	92,730	93,300	91,570	90,880	88,950	86,530	86,860
12	87,210	87,200	90,470	93,200	92,040	92,730	93,320	91,520	90,750	88,900	86,420	86,960
13	87,170	87,170	90,520	93,140	92,090	92,760	93,300	91,800	90,850	88,840	86,370	86,960
14	87,120	87,120	90,490	92,940	92,060	92,760	93,270	91,750	90,800	88,870	86,580	86,940
15	87,090	87,380	90,410	92,810	92,060	92,780	93,250	91,730	90,720	88,900	86,710	87,200
16	87,040	87,760	90,520	92,630	91,990	92,860	93,270	91,700	90,720	88,870	86,780	87,140
17	87,040	87,920	90,570	92,630	91,960	92,890	93,250	91,680	91,030	88,820	86,840	87,140
18	86,990	88,610	90,700	92,580	91,910	92,940	93,250	91,620	90,930	88,740	86,840	87,090
19	86,940	88,720	90,650	92,450	91,910	92,910	93,040	91,600	90,800	88,690	86,780	87,140
20	86,990	88,720	90,750	92,450	91,910	92,960	92,940	91,600	90,700	88,590	86,730	87,120
21	86,940	89,000	90,830	92,420	91,860	93,070	92,760	91,520	90,570	88,460	87,070	87,120
22	86,840	89,080	90,780	92,110	91,860	93,070	92,730	91,440	90,470	88,350	87,270	87,070
23	86,810	89,130	90,590	92,240	91,960	93,070	92,420	91,340	90,310	88,230	87,430	87,040
24	86,650	89,690	90,590	92,170	92,040	93,070	92,240	91,290	90,180	88,120	87,380	87,040
25	86,580	89,620	90,620	92,170	92,080	93,120	92,060	91,240	90,000	87,970	87,350	87,040
26	86,580	89,590	90,670	92,010	e92,140	93,120	91,980	91,190	89,850	87,810	87,350	87,090
27	86,630	89,560	90,700	92,040	e92,220	93,140	91,910	91,140	89,690	87,680	87,320	86,960
28	86,760	89,510	90,650	92,090	92,330	93,170	91,910	91,160	89,510	87,630	87,300	86,940
29	86,730	89,620	90,850	92,110	---	93,200	91,650	91,190	89,330	87,560	87,400	86,780
30	86,650	89,590	90,980	92,110	---	93,250	91,620	91,190	89,100	87,480	87,380	86,680
31	86,530	---	91,060	92,110	---	93,250	---	91,140	---	87,400	87,320	---
MAX	87,220	89,690	91,060	93,200	92,330	93,250	93,320	91,800	91,160	89,310	87,430	87,300
MIN	86,470	86,960	89,560	91,160	91,860	92,350	91,620	91,140	89,100	87,400	86,370	86,680
(#)	1186.30	1187.34	1187.94	1188.30	1188.41	1188.79	1188.11	1187.94	1187.10	1186.46	1186.46	1186.22
(##)	-180	+3060	+1470	+1050	+220	+920	-1630	-480	-2040	-1700	-80	-640

CAL YR 2004 MAX 91060 MIN 86530 (##) +5740

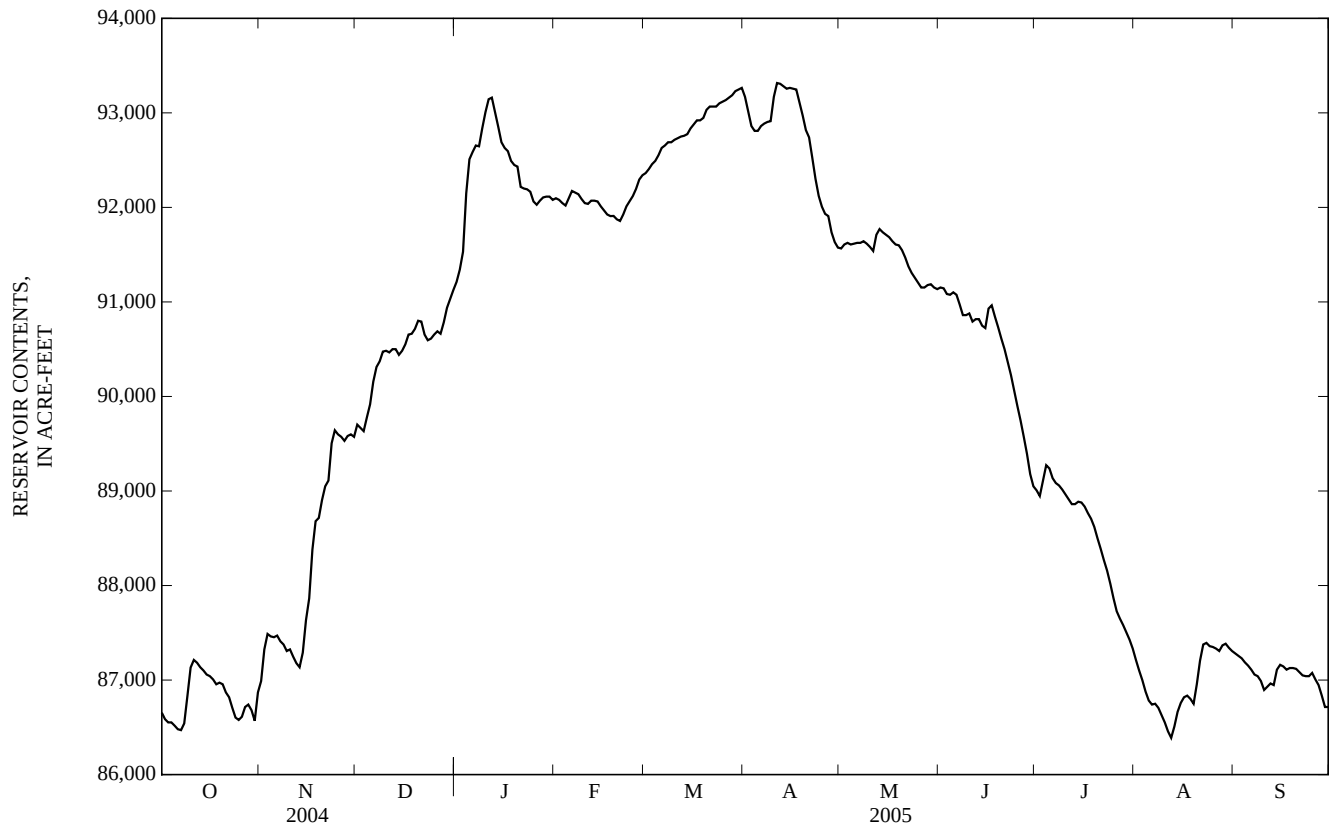
WTR YR 2005 MAX 93250 MIN 86530 (##) -30

e Estimated

(#) ELEVATION, IN FEET, AT END OF MONTH

(##) CHANGE IN CONTENTS, IN ACRE- FEET

07229445 STANLEY DRAPER LAKE NEAR OKLAHOMA CITY ,OK—Continued



07229900 LAKE THUNDERBIRD NEAR NORMAN, OK

LOCATION.--Lat 35°13'24", long 97°13'02", in NW ¼ SE ¼ sec.29, T.9 N., R.1 E., Cleveland County, Hydrologic Unit 11090203, near center of dam on Little River, just downstream from Hog Creek, 13 mi east of Norman, and at mile 96.4.

DRAINAGE AREA.--256 mi².

PERIOD OF RECORD.--March 1965 to current year.

GAGE.--Nonrecording gage at outlet structure and at pump house. Datum of gage is NGVD of 1929.

REMARKS.--Reservoir is formed by earth dam. Regulated storage began Mar. 1, 1965; minimum conservation pool first filled September 1965. Capacity, 196,200 acre-ft at elevation 1,049.4 ft, crest of drop inlet; 119,600 acre-ft at elevation 1,039.0 ft, top of conservation pool; 13,640 acre-ft at elevation 1,010.0 ft, minimum conservation pool. Dead storage, 13,600 acre-ft below elevation 997.0 ft, sill of gated outlet. Figures given herein represent total contents. Reservoir is used for flood control, irrigation (inactive), and municipal water supplies diverted to Del City, Midwest City, and Norman. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Elevations and data on diversions furnished by Central Oklahoma Master Conservancy District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 187,400 acre-ft, May 5, 1990, elevation, 1,048.38 ft; minimum since conservation pool first reached, 15,370 acre-ft, Nov. 30, 1965, elevation, 1,011.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 127,100 acre-ft, Nov. 30, elevation, 1,040.21 ft; minimum, 110,100 acre-ft, Sep. 30, elevation, 1,037.39 ft.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	*Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Diversions (acre-feet)
Sept. 30.....	1038.60	117,200	--	--
Oct. 31.....	1038.83	118,600	+1,400	1,446
Nov. 30.....	1040.19	126,900	+8,300	1,213
Dec. 31.....	1039.14	120,500	-6,400	1,285
CAL YR 04	--	--	+15,600	17,764
Jan. 31.....	1039.88	125,000	+4,500	1,288
Feb. 28.....	1039.33	121,600	-3,400	1,097
Mar. 31.....	1039.26	121,200	-400	1,283
Apr. 30.....	1038.94	119,200	-2,000	1,510
May 31.....	1038.58	117,100	-2,100	1,889
June 30.....	1038.50	116,600	-500	1,749
July 31.....	1038.06	114,000	-2,600	1,962
Aug. 31.....	1038.08	114,100	+100	1,987
Sept. 30.....	1037.42	110,200	-3,900	1,878
WTR YR 05	-	-	-7,000	18,587

*Elevation at 2400

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07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OK

LOCATION.--Lat 35°13'18", long 97°12'49", in NE ¼ SE ¼ sec.29, T.9 N., R.1 E., Cleveland County, Hydrologic Unit, 11090203, at right bank of outlet channel, 170 ft upstream from State Highway 9, 1,200 ft downstream from Lake Thunderbird, 1.0 mi upstream from Prairie Creek, 13.0 mi east of Norman, and at mile 96.2.

DRAINAGE AREA.--257 mi².

PERIOD OF RECORD.--October 1952 to current year. Prior to October 1964, published as Little River below Hog Creek near Norman.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 965.62 ft above NGVD of 1929. Prior to Nov. 28, 1956, nonrecording gage 800 ft downstream at same datum. Nov. 28, 1956 to Oct. 14, 1964, water-stage recorder at site 800 ft downstream at same datum. Oct. 15, 1964 to Sept. 1, 1965, nonrecording gage at site 170 ft downstream at same datum.

REMARKS.--Records poor. Flow regulated by Lake Thunderbird since March 1965 (station 07229900). In prior years, occasional small diversions above station for irrigation.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	0.18	273	0.53	0.53	111	0.45	e0.45	0.69	0.84	0.72	0.78
2	0.15	0.12	272	0.53	0.53	0.56	0.45	e0.59	0.69	0.68	0.72	0.78
3	0.12	0.21	271	0.56	0.53	0.53	0.45	e0.45	0.69	0.69	0.72	0.78
4	0.12	0.12	271	0.58	0.53	0.52	0.45	e0.45	0.70	1.2	0.74	0.78
5	0.12	0.12	270	0.84	0.53	0.53	0.45	0.45	0.78	0.75	0.73	0.73
6	0.12	0.12	268	0.54	0.62	0.53	0.45	0.45	0.73	0.70	0.77	0.69
7	0.12	0.12	268	0.53	0.53	0.50	0.45	0.45	0.69	0.69	0.75	0.71
8	0.11	0.12	268	0.53	0.53	0.45	0.45	0.45	0.69	0.70	0.71	0.69
9	0.12	0.12	266	0.57	72	0.45	0.45	0.45	0.69	0.69	0.70	0.69
10	0.85	0.12	265	0.53	118	0.45	0.45	0.45	0.77	0.69	0.71	0.72
11	0.20	0.08	265	0.53	118	0.45	0.45	0.45	0.69	0.70	0.69	0.84
12	0.12	0.12	265	0.53	118	0.45	0.45	0.45	0.71	0.78	0.71	0.77
13	0.12	0.12	265	0.46	118	0.45	0.45	1.1	0.73	0.78	0.81	0.74
14	0.12	0.12	112	0.45	118	0.45	0.45	0.78	0.69	0.90	1.2	0.88
15	0.12	0.16	0.59	0.45	118	0.45	0.45	0.77	0.69	0.88	0.84	0.92
16	0.12	0.13	0.57	0.45	118	0.45	0.45	0.69	0.71	0.87	0.77	0.75
17	0.12	0.23	0.53	0.45	118	0.45	0.45	0.69	1.0	0.87	1.1	0.76
18	0.12	0.19	0.55	e0.46	118	0.45	0.45	0.69	0.69	0.87	0.74	0.74
19	0.12	0.17	0.53	e0.47	118	0.45	0.45	0.82	0.69	0.87	0.70	0.72
20	0.12	0.15	0.55	e0.48	117	0.45	0.45	0.69	0.69	0.84	0.69	0.62
21	0.11	0.13	0.55	e0.48	116	0.65	0.45	0.69	0.66	0.78	0.71	0.61
22	0.12	0.13	0.60	e0.49	208	0.49	0.45	0.69	0.69	0.72	0.69	0.64
23	0.10	0.26	0.61	e0.50	265	0.45	0.45	0.69	0.69	0.71	0.71	0.62
24	0.09	0.13	0.54	e0.51	265	0.45	0.45	0.69	0.66	0.69	0.69	0.63
25	0.12	0.12	0.53	e0.52	265	0.45	0.45	0.69	0.66	0.72	0.69	0.65
26	0.15	0.12	0.53	0.53	265	0.45	0.45	0.69	0.69	0.69	0.70	0.66
27	0.17	0.12	0.53	0.53	265	0.45	0.45	0.74	0.69	0.91	0.71	0.67
28	0.12	0.12	0.53	0.53	264	0.45	0.45	0.73	0.69	0.75	0.70	0.67
29	0.12	0.17	0.53	0.53	---	0.45	0.45	0.73	0.69	0.73	0.76	0.61
30	0.12	151	0.53	0.53	---	0.45	0.45	0.69	0.69	0.73	0.78	0.64
31	0.18	---	0.53	0.53	---	0.45	---	0.72	---	0.73	0.78	---
TOTAL	4.66	155.12	3,608.33	16.15	3,286.33	125.21	13.50	19.52	21.22	24.15	23.44	21.49
MEAN	0.15	5.17	116	0.52	117	4.04	0.45	0.63	0.71	0.78	0.76	0.72
MAX	0.85	151	273	0.84	265	111	0.45	1.1	1.0	1.2	1.2	0.92
MIN	0.09	0.08	0.53	0.45	0.53	0.45	0.45	0.45	0.66	0.68	0.69	0.61
AC-FT	9.2	308	7,160	32	6,520	248	27	39	42	48	46	43

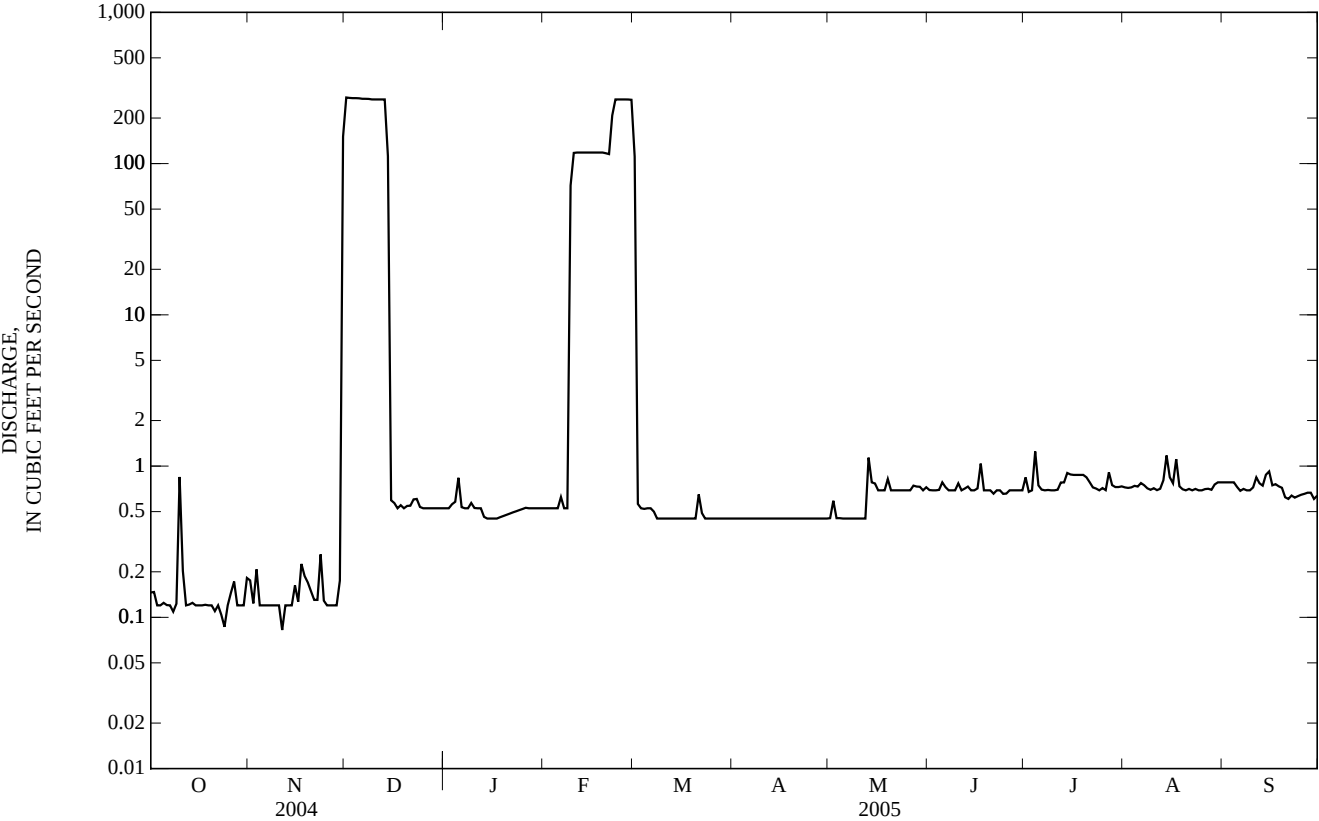
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	26.7	47.9	36.4	41.3	45.8	86.1	86.5	114	121	33.9	14.7	6.73
MAX	489	626	431	438	324	548	625	936	688	323	266	96.5
(WY)	(1987)	(1984)	(1993)	(1985)	(1993)	(1985)	(1985)	(1990)	(1995)	(1989)	(1992)	(1989)
MIN	0.13	0.12	0.12	0.12	0.14	0.15	0.14	0.15	0.20	0.18	0.20	0.15
(WY)	(2004)	(2003)	(2004)	(2003)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

07230000 LITTLE RIVER BELOW LAKE THUNDERBIRD NEAR NORMAN, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	3,832.98		7,319.12		a55.0	
ANNUAL MEAN	10.5		20.1		251	
HIGHEST ANNUAL MEAN					0.16	
LOWEST ANNUAL MEAN					1,280	
HIGHEST DAILY MEAN	273	Dec 1	273	Dec 1	May 14, 1990	1985
LOWEST DAILY MEAN	0.08	Nov 11	0.08	Nov 11	Nov 11, 2004	2003
ANNUAL SEVEN-DAY MINIMUM	0.11	Oct 18	0.11	Oct 18	Oct 19, 1965	
MAXIMUM PEAK FLOW			282	Nov 30	May 10, 1990	
MAXIMUM PEAK STAGE			4.98	Nov 30	Oct 26, 1983	
ANNUAL RUNOFF (AC-FT)	7,600		14,520		39,830	
10 PERCENT EXCEEDS	0.60		30		223	
50 PERCENT EXCEEDS	0.17		0.60		0.67	
90 PERCENT EXCEEDS	0.12		0.12		0.22	

- a Prior to regulation, water years 1953-64, 58.9 ft³/s.
b No flow at times in 1954-56, 1964.
c Maximum discharge for period of record 34,600 ft³/s May 25, 1957, from rating curve extended above 15,000 ft³/s.
d From high-water mark. Maximum gage height for period of record 28.85 ft May 25, 1957, from high-water mark.



07230500 LITTLE RIVER NEAR TECUMSEH, OK

LOCATION.--Lat 35°10'21", long 96°55'54", NE ¼ NE ¼ sec.13, T.8 N., R.3 E., Pottawatomie County, Hydrologic Unit 11090203, on downstream side of center pier of bridge on U.S. Highway 177, 1.5 mi downstream from Dance Creek, 5.0 mi south of Tecumseh, and at mile 77.2.

DRAINAGE AREA.--456 mi².

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 898.52 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records poor. Flow regulated or diverted since 1965 by Lake Thunderbird, 19.2 mi upstream (station 07229900). U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1932 reached a stage of 25.58 ft, from floodmark.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.7	939	371	e17	42	313	e28	e19	13	33	6.0	3.8
2	e3.8	883	373	e16	43	69	e26	27	12	20	5.5	3.8
3	e4.8	920	364	50	41	57	e25	32	10	9.3	5.0	3.7
4	e5.4	327	361	127	36	e45	e23	e31	9.9	1,110	4.4	3.3
5	5.6	109	393	1,030	33	e42	22	e21	13	345	5.0	3.3
6	e4.7	69	660	360	367	e38	e21	e20	13	76	9.3	3.1
7	e4.2	55	791	167	225	e36	e21	e19	10	e22	5.9	2.8
8	e4.1	42	543	e80	89	e33	e20	e18	8.8	e13	4.5	2.8
9	e4.0	34	440	e57	84	e31	e20	e17	8.4	e8.2	4.2	2.4
10	276	36	396	e45	186	e30	e20	17	12	e7.1	3.8	e2.2
11	897	53	371	e51	181	e29	e20	13	14	e6.5	3.7	e2.1
12	148	37	368	e43	181	e27	e20	14	9.1	e5.8	3.3	e2.0
13	48	32	361	e42	203	e25	e20	21	34	e5.4	4.8	e1.9
14	29	29	302	e39	190	e24	e20	24	36	e5.1	158	5.9
15	17	30	61	e37	186	e24	e19	16	12	e4.9	267	14
16	18	54	39	e36	177	e23	e19	14	14	e4.6	36	11
17	16	621	e29	e34	175	e23	e19	13	240	e4.5	350	6.6
18	15	973	e26	e33	176	e23	e19	13	39	e4.4	54	4.2
19	14	219	e24	e37	180	e23	e19	13	18	e4.1	16	3.7
20	14	101	e22	e34	182	e22	e26	13	13	e3.8	11	3.3
21	14	368	e21	e33	179	306	25	12	11	e3.8	106	3.3
22	13	151	e21	e32	215	94	e21	11	9.1	e3.5	14	3.1
23	13	715	e17	e32	e330	68	e20	10	8.5	e3.4	11	2.8
24	12	489	e17	e32	e349	61	e20	10	8.1	e3.3	9.9	2.8
25	12	141	e19	e32	e349	e48	e20	9.5	e7.9	e3.3	8.3	2.6
26	29	91	e22	e31	e356	e46	e20	9.8	e6.8	3.3	6.8	2.4
27	215	71	e21	32	e338	e43	e20	10	e6.6	420	6.2	2.4
28	167	56	e19	36	e328	e39	e19	12	e6.4	49	6.1	2.3
29	42	57	e17	52	---	e35	e19	12	e6.2	15	5.4	1.8
30	24	108	e16	48	---	e31	e19	12	e6.2	9.5	4.6	1.4
31	132	---	e16	47	---	e30	---	12	---	7.3	4.2	---
TOTAL	2,204.3	7,810	6,501	2,742	5,421	1,738	630	495.3	616.0	2,214.1	1,139.9	110.8
MEAN	71.1	260	210	88.5	194	56.1	21.0	16.0	20.5	71.4	36.8	3.69
MAX	897	973	791	1,030	367	313	28	32	240	1,110	350	14
MIN	2.7	29	16	16	33	22	19	9.5	6.2	3.3	3.3	1.4
AC-FT	4,370	15,490	12,890	5,440	10,750	3,450	1,250	982	1,220	4,390	2,260	220

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

MEAN	101	113	99.6	93.2	131	207	243	319	257	75.1	44.3	52.2
MAX	898	628	851	844	783	1,086	1,265	1,687	1,401	505	510	477
(WY)	(1984)	(1984)	(1993)	(1985)	(1985)	(1990)	(1990)	(1990)	(1995)	(1989)	(1996)	(1970)
MIN	0.01	2.27	2.12	2.74	2.45	4.49	5.55	9.25	5.53	1.38	0.00	0.22
(WY)	(1979)	(1981)	(1979)	(1981)	(1967)	(1966)	(1981)	(1981)	(1972)	(1967)	(1972)	(1980)

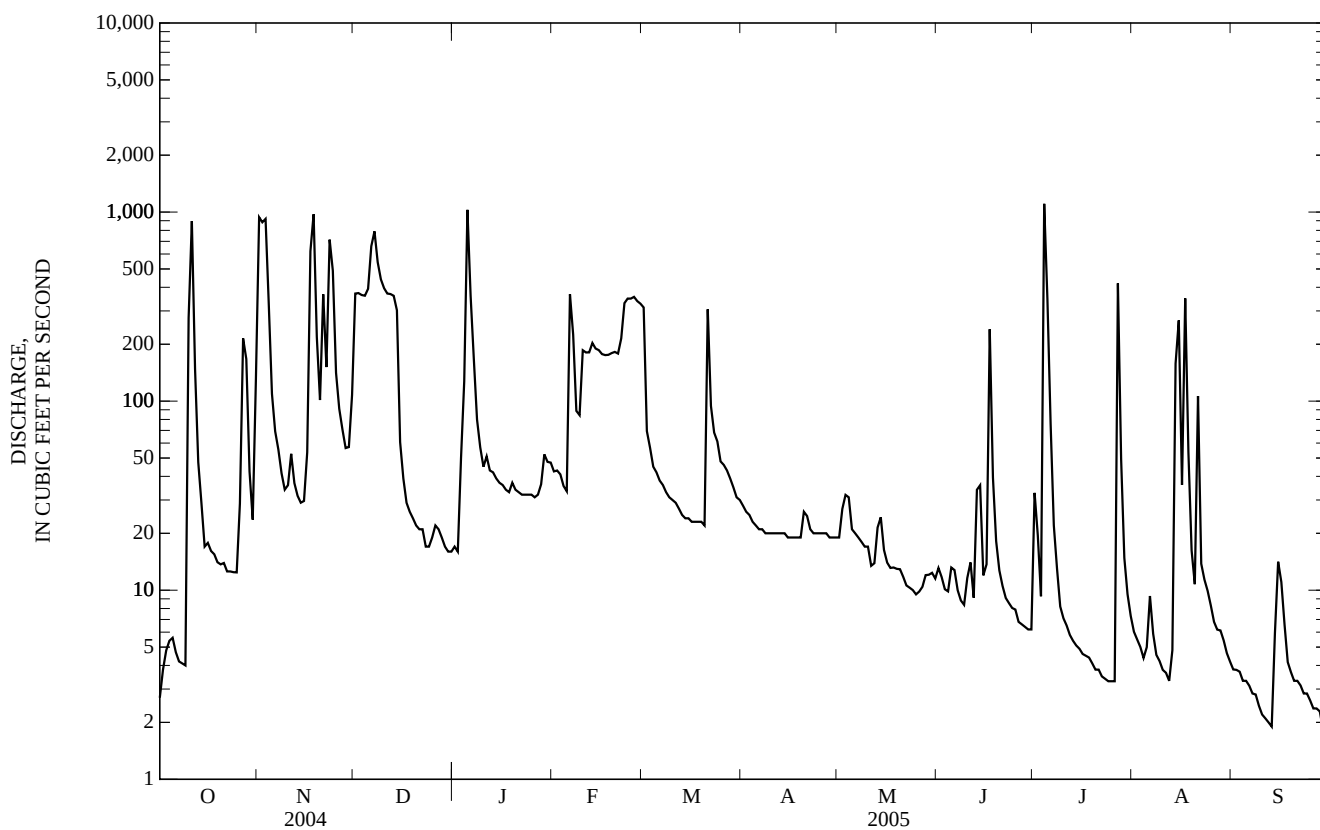
07230500 LITTLE RIVER NEAR TECUMSEH, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	31,215.8		31,622.4		a144	
ANNUAL MEAN	85.3		86.6		511	
HIGHEST ANNUAL MEAN					1985	
LOWEST ANNUAL MEAN					9.34	
HIGHEST DAILY MEAN	1,490	Mar 3	1,110	Jul 4	9,740	May 3, 1990
LOWEST DAILY MEAN	2.2	Sep 28	1.4	Sep 30	0.00	Jun 23, 1966
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 25	2.2	Sep 24	0.00	Jun 23, 1966
MAXIMUM PEAK FLOW			2,210	Nov 17	b14,000	May 3, 1990
MAXIMUM PEAK STAGE			11.02	Nov 17	c19.24	Oct 20, 1984
ANNUAL RUNOFF (AC-FT)	61,920		62,720		104,600	
10 PERCENT EXCEEDS	243		319		467	
50 PERCENT EXCEEDS	17		21		19	
90 PERCENT EXCEEDS	6.4		3.8		2.1	

a Prior to regulation, water years 1944-64, 149 ft³/s.

b Maximum discharge for period of record 32,400 ft³/s, May 25, 1957.

c Maximum gage height for period of record 19.68, May 18, 1949.



07231000 LITTLE RIVER NEAR SASAKWA, OK

LOCATION.--Lat 34°57'55", long 96°30'44", NE ¼ sec.25, T.6 N., R.7 E., Seminole County, Hydrologic Unit 11090203, near right abutment on downstream side of State Highway 56 bridge, 1.6 mi north of Sasakwa, 15.1 mi downstream from Salt Creek, and at mile 17.1.

DRAINAGE AREA.--884 mi².

PERIOD OF RECORD.--September 1942 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 731.76 ft above NGVD of 1929. Prior to Apr. 11, 1946, nonrecording gage at site 6.4 miles upstream at datum 12.58 ft higher. Apr.11, 1946-Sept.30,1979, gage at site 6.4 miles upstream at datum 17.58 ft higher. Oct.1, 1979-Jan. 25, 1996, gage at site 6.4 miles upstream at datum 12.58 ft higher.

REMARKS.--Records poor. Flow regulated by Lake Thunderbird (station 07229900) 78.7 mi upstream since March 1965. U.S.Geological Survey telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.3	2,320	252	106	e166	347	e190	46	36	e19	23	e27
2	e4.5	2,070	400	103	e164	326	e188	51	36	30	e19	e25
3	e5.1	3,350	430	4,160	171	184	e155	65	24	40	e16	e21
4	e5.2	2,190	414	2,930	161	131	e130	76	25	567	e14	e19
5	5.6	1,060	435	1,700	151	120	e142	73	203	2,130	e13	e16
6	e5.8	583	713	1,880	525	114	123	67	106	978	36	e13
7	e5.4	365	2,680	1,360	1,170	111	e150	62	44	353	40	e12
8	e5.0	260	1,680	1,080	696	107	e126	56	29	179	36	e12
9	e4.7	202	983	e805	407	103	e105	60	24	111	e23	e11
10	203	164	749	e612	290	102	e99	57	e22	81	e18	e10
11	1,020	159	590	e505	306	100	e95	50	e22	63	e13	e9.7
12	782	212	505	e434	306	98	e96	45	e21	49	e12	e9.3
13	299	156	464	e467	343	94	e86	48	25	38	e12	e8.8
14	128	132	426	e326	351	88	e82	55	77	31	50	e14
15	85	122	396	e278	308	86	72	56	72	31	4,850	e28
16	63	116	231	e254	275	87	71	49	51	29	1,840	e19
17	49	385	167	e217	247	89	77	40	338	e27	1,070	e15
18	44	3,220	157	e201	237	92	e81	33	388	e25	629	e15
19	36	2,310	145	e184	240	89	e78	30	179	e23	370	e14
20	34	1,040	137	e176	245	92	e77	29	85	e22	183	e13
21	34	3,160	134	e191	243	2,820	e76	28	52	e21	137	e13
22	35	1,810	133	e176	234	3,500	e74	25	34	e20	158	e12
23	36	1,750	118	e162	233	1,300	64	22	22	e20	108	e12
24	39	2,490	103	e151	357	796	60	e22	e21	e19	84	e11
25	e37	1,170	116	e150	376	559	55	e21	e21	e18	75	e12
26	e36	743	117	e151	350	419	65	e21	e20	e18	56	e10
27	e720	508	126	e148	344	330	58	e20	e20	63	45	e10
28	643	368	118	e145	352	280	53	e20	e20	373	41	e9.2
29	381	294	111	e156	---	e205	49	25	e19	200	39	e9.0
30	162	270	108	e160	---	e170	46	26	e19	79	46	e8.4
31	907	---	109	e169	---	e151	---	25	---	46	28	---
TOTAL	5,817.6	32,979	13,247	19,537	9,248	13,090	2,823	1,303	2,055	5,703	10,084	418.4
MEAN	188	1,099	427	630	330	422	94.1	42.0	68.5	184	325	13.9
MAX	1,020	3,350	2,680	4,160	1,170	3,500	190	76	388	2,130	4,850	28
MIN	3.3	116	103	103	151	86	46	20	19	18	12	8.4
AC-FT	11,540	65,410	26,280	38,750	18,340	25,960	5,600	2,580	4,080	11,310	20,000	830

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

MEAN	234	315	268	241	352	514	613	760	568	152	88.9	122
MAX	2,523	1,705	2,095	1,307	1,852	2,618	3,591	2,762	2,135	775	904	753
(WY)	(1971)	(1993)	(1993)	(1985)	(1993)	(1990)	(1990)	(1990)	(1995)	(1999)	(1992)	(1970)
MIN	0.00	0.01	0.30	1.69	1.80	7.39	17.2	30.7	11.2	2.00	0.00	0.00
(WY)	(1979)	(1981)	(1979)	(1967)	(1967)	(1967)	(1981)	(1981)	(1966)	(1967)	(1980)	(1980)

e Estimated

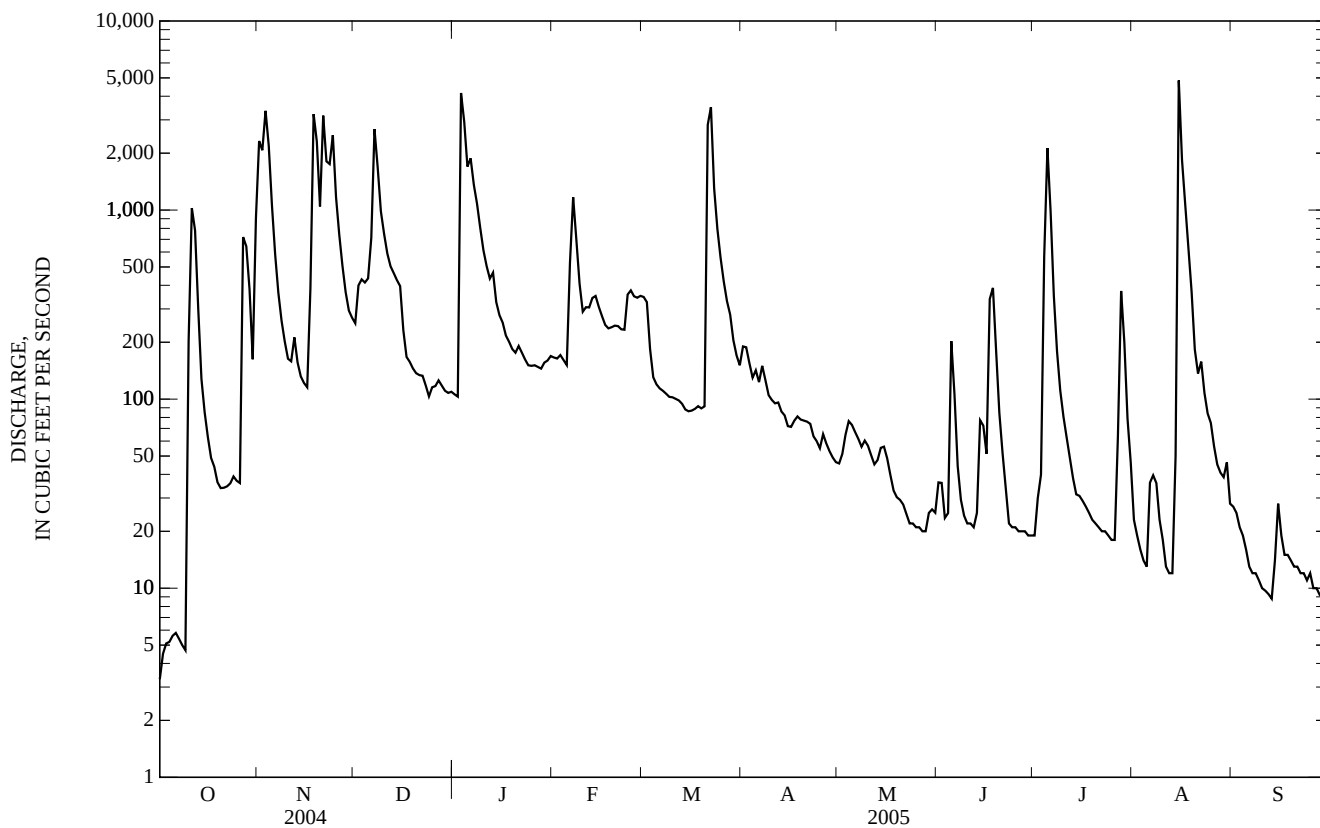
07231000 LITTLE RIVER NEAR SASAKWA, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	87,793.0		116,305.0		a352	
ANNUAL MEAN	240		319		996	
HIGHEST ANNUAL MEAN					19.0	
LOWEST ANNUAL MEAN					15,600	
HIGHEST DAILY MEAN	3,350	Nov 3	4,850	Aug 15	15,600	May 1, 1985
LOWEST DAILY MEAN	2.7	Sep 30	3.3	Oct 1	0.00	Nov 23, 1965
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 25	5.0	Oct 1	0.00	Nov 23, 1965
MAXIMUM PEAK FLOW			6,500	Jan 3	b18,500	May 1, 1985
MAXIMUM PEAK STAGE			17.72	Jan 3	c31.73	May 1, 1985
ANNUAL RUNOFF (AC-FT)	174,100		230,700		254,800	
10 PERCENT EXCEEDS	639		762		941	
50 PERCENT EXCEEDS	60		100		56	
90 PERCENT EXCEEDS	8.5		15		1.9	

a Prior to regulation, water year 1943-64, 410 ft³/s.

b Maximum discharge for period of record 44,600 ft³/s, May 11, 1950.

c Maximum gage height for period of record 33.48 ft, May 11, 1950.



07231500 CANADIAN RIVER AT CALVIN, OK

LOCATION.--Lat 34°58'40", long 96°14'36", in NW ¼ SW ¼ sec.22, T.6 N., R.10 E., Hughes County, Hydrologic Unit 11090202, on downstream left bank at north end of bridge on U.S. Highway 75, 0.5 mi northeast of Calvin, 2.6 mi upstream from Shawnee Creek, 8.4 mi downstream from Little River, and at mile 94.1.

DRAINAGE AREA.--27,952 mi², of which 4,801 mi² is probably noncontributing.

PERIOD OF RECORD.--January 1905 to December 1908 (gage heights and discharge measurements only, except for period July 1905 to December 1906), October 1938 to September 1942, July 1944 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in this vicinity since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1391: 1941. WRD-OK-97-1: 1996.

GAGE.--Water-stage recorder and nonrecording gage. Datum of gage is 682.72 ft above NGVD of 1929. January 1905 to December 1908, nonrecording gage at site 0.7 mi upstream at datum 4.00 ft higher. Oct. 1, 1938 to Aug. 12, 1944, nonrecording gage at site 0.2 mi downstream and at same datum. Aug. 13, 1944 to July 31, 1977, water-stage recorder at site 0.2 mi downstream and datum 2.00 ft higher. Aug. 1, 1977 to Nov. 15, 1988, water-stage recorder 0.2 mi downstream and at present datum.

REMARKS.--Records poor. Occasional slight regulation by dams in New Mexico and Texas since 1964; Lake Thunderbird (station 07229900) since March 1965. U.S. Army Corps of Engineers' satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 3	1200	*31,000	*9.12	Mar 21	2130	26,300	8.66

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	10,800	2,040	897	e1,100	e1,560	693	214	170	324	150	e697
2	91	5,640	1,680	1,090	e1,800	e1,450	772	237	181	448	101	e432
3	101	10,500	1,810	17,900	1,380	e1,440	664	308	173	466	68	e284
4	80	7,330	1,830	11,500	e1,380	e1,170	586	353	142	603	e66	e241
5	82	3,280	2,000	16,200	e1,750	e1,160	582	352	2,260	5,060	63	e192
6	88	2,100	2,800	14,500	e2,550	e1,220	973	409	2,070	5,340	96	e158
7	89	1,550	7,800	5,660	e3,400	e1,000	693	344	683	e1,000	266	e183
8	118	1,170	5,310	3,160	2,200	e870	633	289	393	e630	172	e140
9	118	944	2,960	2,630	1,660	e840	585	277	290	e385	104	e172
10	722	850	2,530	2,010	1,290	e870	534	309	225	e330	61	e258
11	5,860	777	2,200	1,750	1,180	e910	527	288	183	e290	46	e203
12	5,160	803	2,150	1,770	1,190	e980	495	252	145	e275	36	e160
13	2,610	723	1,980	2,250	1,270	e1,100	463	249	121	273	33	e126
14	1,180	621	1,730	1,880	1,280	e1,220	467	321	2,060	235	e45	e152
15	825	577	1,620	1,580	1,170	e1,220	441	411	8,340	225	11,700	e487
16	668	567	1,410	1,380	954	e1,220	383	374	5,200	216	5,870	e1,110
17	e649	1,820	1,100	1,240	864	e1,200	365	1,130	5,050	226	3,020	e3,510
18	e695	10,900	1,040	1,120	804	e1,250	354	714	5,670	370	3,120	e2,880
19	e668	7,780	987	1,050	783	e1,240	343	442	7,760	261	1,970	e931
20	e658	4,920	951	894	829	e1,260	345	343	6,150	160	1,140	e517
21	e584	8,220	932	956	807	6,740	352	295	e1,600	120	e840	e359
22	e547	5,890	938	963	784	8,560	401	251	e1,240	97	e780	221
23	522	7,850	998	870	751	2,400	363	205	e1,090	84	526	e170
24	507	10,300	920	776	794	1,610	329	173	e792	71	1,080	e115
25	394	5,410	891	714	1,730	1,600	325	152	e626	53	3,380	e88
26	383	3,210	938	721	1,300	1,310	381	147	e582	46	e1,460	e73
27	713	2,940	984	714	1,150	1,120	332	155	e494	103	e1,060	54
28	2,750	2,650	932	e940	e1,500	1,020	280	151	446	401	e849	50
29	1,790	2,640	808	e1,050	---	891	250	155	373	917	e927	45
30	1,300	2,520	746	e1,100	---	752	232	196	328	492	e535	45
31	4,100	---	859	e1,150	---	689	---	188	---	244	e839	---
TOTAL	34,112	125,282	55,874	100,415	37,650	49,872	14,143	9,684	54,837	19,745	40,403	14,053
MEAN	1,100	4,176	1,802	3,239	1,345	1,609	471	312	1,828	637	1,303	468
MAX	5,860	10,900	7,800	17,900	3,400	8,560	973	1,130	8,340	5,340	11,700	3,510
MIN	60	567	746	714	751	689	232	147	121	46	33	45
AC-FT	67,660	248,500	110,800	199,200	74,680	98,920	28,050	19,210	108,800	39,160	80,140	27,870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

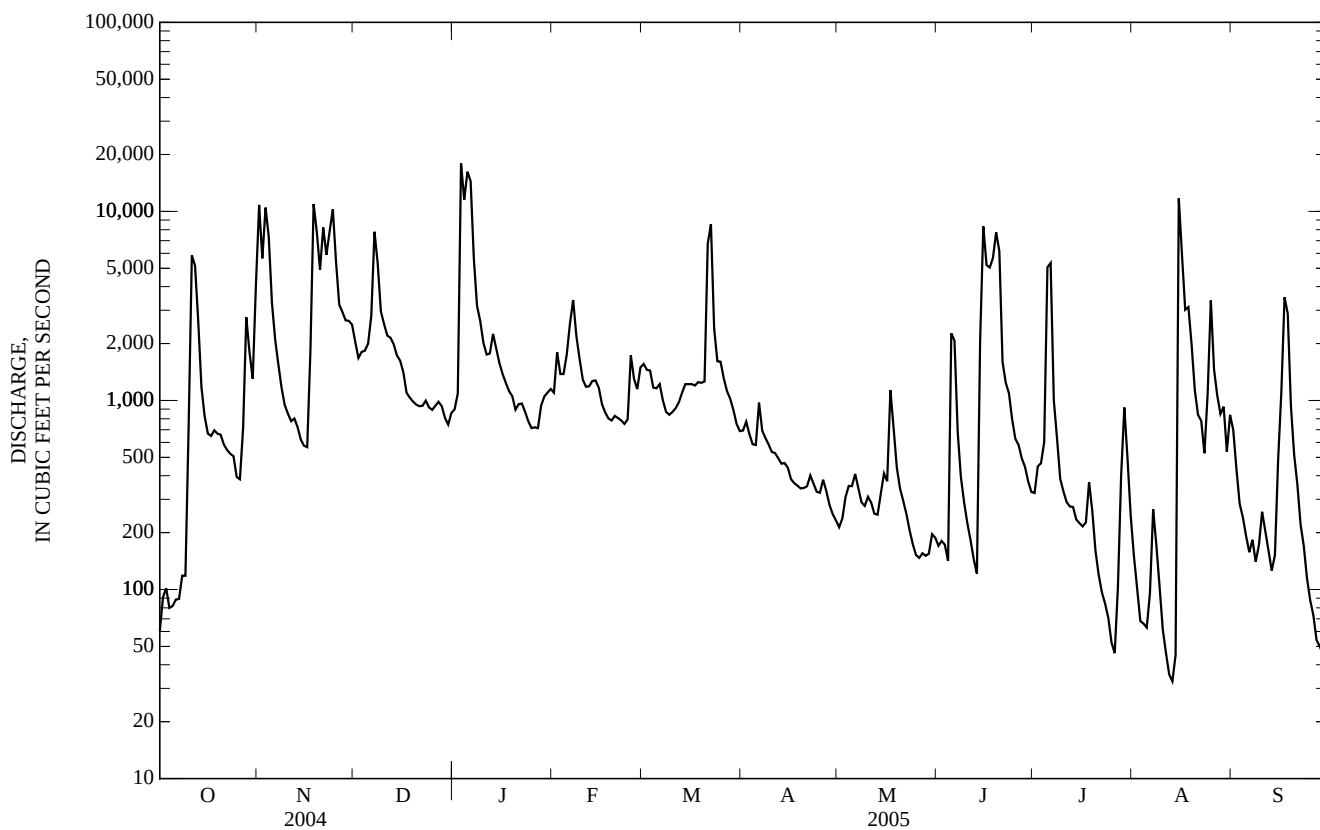
MEAN	1,553	1,198	1,062	972	1,350	1,944	2,591	4,195	3,220	1,315	786	1,146
MAX	21,530	6,529	9,355	6,655	7,059	10,230	15,110	20,640	15,350	9,669	8,398	6,467
(WY)	(1942)	(1993)	(1993)	(1998)	(1985)	(1998)	(1990)	(1990)	(1941)	(1950)	(1906)	(1941)
MIN	0.10	3.82	7.76	16.4	23.4	20.9	45.7	195	33.7	10.8	0.07	0.00
(WY)	(1957)	(1967)	(1967)	(1940)	(1967)	(1967)	(1956)	(1966)	(1966)	(1966)	(1980)	(1956)

e Estimated

07231500 CANADIAN RIVER AT CALVIN, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	446,315		556,070		1,780	
ANNUAL MEAN	1,219		1,523		5,513	
HIGHEST ANNUAL MEAN					184	
LOWEST ANNUAL MEAN					140,000	
HIGHEST DAILY MEAN	11,700	Mar 7	17,900	Jan 3	140,000	May 29, 1987
LOWEST DAILY MEAN	23	Sep 30	33	Aug 13	0.00	Sep 10, 1939
ANNUAL SEVEN-DAY MINIMUM	29	Sep 24	67	Sep 24	0.00	Sep 10, 1939
MAXIMUM PEAK FLOW			31,000	Jan 3	174,000	May 11, 1950
MAXIMUM PEAK STAGE			9.12	Jan 3	a21.00	Aug 7, 1906
ANNUAL RUNOFF (AC-FT)	885,300		1,103,000		1,290,000	
10 PERCENT EXCEEDS	3,200		3,390		4,020	
50 PERCENT EXCEEDS	488		784		424	
90 PERCENT EXCEEDS	91		134		28	

a From floodmark, site and datum then in use.



07232900 COLDWATER CREEK NEAR GUYMON, OK

LOCATION.--Lat 36°34'19", long 101°22'52", NW ¼ NW ¼ sec.7, T.1 N., R.16 E., Texas County, Hydrologic Unit 11100103, near left bank on downstream side of pier of bridge on county road, 0.3 mi downstream from Frisco Creek, 4.0 mi east and 7.5 mi south of Guymon, and at mile 18.0.

DRAINAGE AREA.--1,903 mi², of which 1,178 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage 2,870.83 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. Records good. Natural flow affected by flood retarding structures and irrigation development. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
No peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

MEAN	0.99	0.13	0.00	0.00	0.00	0.00	2.11	6.30	4.77	0.04	0.86	1.27
MAX	21.0	3.23	0.00	0.00	0.00	0.00	52.7	86.0	42.3	0.52	6.90	27.5
(WY)	(1986)	(1999)	(1981)	(1981)	(1981)	(1981)	(1990)	(1989)	(1991)	(2004)	(1992)	(1985)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1982)	(1983)	(1981)

ARKANSAS RIVER BASIN

07232900 COLDWATER CREEK NEAR GUYMON, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	897.13		0.00		1.38	
ANNUAL MEAN	2.45		0.00		8.37	1982
HIGHEST ANNUAL MEAN					0.00	many years
LOWEST ANNUAL MEAN					1,500	May 18, 1989
HIGHEST DAILY MEAN	723	Jun 19	0.00	Oct 1	0.00	each year
LOWEST DAILY MEAN	0.00	most days	0.00	all year	0.00	Oct 1, 1980
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	5,800	Jun 20, 1982
MAXIMUM PEAK FLOW			0.00	Oct 1	14.34	Jun 20, 1982
MAXIMUM PEAK STAGE			0.00	Oct 1	997	
ANNUAL RUNOFF (AC-FT)	1,780		0.00		0.00	
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

07233650 PALO DURO CREEK AT RANGE, OK

LOCATION.--Lat 36°32'38", long 101°04'50", SE ¼ SE ¼ sec.14, T.1 N., R.18 E., Texas County, Hydrologic Unit 11100104, on downstream side of pier of county road bridge, 3.4 mi upstream from Hackberry Creek, 11.0 mi southeast of Hardesty, and at mile 14.9.

DRAINAGE AREA.--1,513 mi², of which 687 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder. Datum of gage 2,679.77 ft above NGVD of 1929.

REMARKS.--Records poor. Flow regulated since April 1991 by Palo Duro Reservoir, 18 mi upstream. Natural flow also affected by local irrigation withdrawals. Satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.96	e0.63	1.5	2.3	2.2	2.0	0.93	e0.72	0.16	0.00	0.01
2	0.08	1.4	e0.63	1.5	2.2	2.2	2.1	1.2	e0.70	0.27	0.00	0.09
3	0.09	1.0	e0.64	1.5	e2.1	2.2	2.0	1.1	e0.74	0.17	0.00	0.09
4	0.10	0.97	e0.66	1.6	e2.1	2.2	1.9	2.3	e0.71	0.15	0.00	0.06
5	0.10	0.96	e0.66	1.8	e2.0	2.2	1.9	1.7	e0.66	0.31	0.00	0.04
6	0.47	e0.86	e0.65	1.9	2.1	2.2	1.9	e1.5	e0.70	0.40	0.00	0.07
7	0.59	e0.84	e0.63	2.0	2.1	2.1	1.9	e1.4	e0.60	0.25	0.00	0.28
8	0.38	e0.82	e0.64	2.0	e2.1	2.1	1.9	e1.3	e0.50	0.18	0.00	0.18
9	0.51	e0.78	0.67	1.9	e2.0	e2.1	1.9	e1.2	e0.40	0.15	0.00	0.15
10	0.56	e0.75	0.75	1.9	e2.0	e2.0	1.8	e1.1	e0.35	0.11	0.00	0.12
11	0.35	e0.75	0.88	2.0	e2.0	e2.0	1.7	e1.0	e0.30	0.17	0.00	0.11
12	0.90	e0.76	0.86	2.0	e2.1	e2.0	1.7	e0.95	4.1	0.17	0.00	0.10
13	0.81	e0.75	0.83	2.0	2.1	e2.0	1.7	e0.90	2.0	0.14	0.00	0.09
14	0.92	e0.75	0.84	2.0	2.2	e2.0	1.7	e0.85	1.2	0.21	0.00	0.09
15	0.88	0.76	0.90	e2.0	2.2	2.1	1.6	e0.85	0.77	0.26	0.00	0.10
16	0.78	0.77	0.92	e2.1	2.2	2.1	1.7	e0.81	0.46	0.24	0.00	0.10
17	0.79	0.81	0.93	2.3	2.2	2.2	1.7	e0.76	0.39	0.18	0.00	0.08
18	0.87	0.73	0.96	2.4	2.2	2.1	1.8	e0.72	0.26	0.08	0.00	0.06
19	0.86	0.68	0.97	2.5	2.3	2.1	1.7	e0.69	0.18	0.04	0.00	0.03
20	0.92	0.68	1.0	2.6	2.3	2.1	1.5	e0.65	0.11	0.01	0.00	0.00
21	0.93	0.75	1.1	2.5	2.3	2.1	1.3	e0.55	0.25	0.00	0.00	0.00
22	0.81	0.65	1.1	2.5	2.2	2.1	1.2	e0.50	0.22	0.00	0.00	0.00
23	0.63	0.69	e1.0	2.4	2.3	2.1	1.1	e0.46	0.12	0.00	0.00	0.00
24	0.81	0.84	e1.1	2.4	2.3	2.2	1.0	e0.47	0.12	0.00	0.16	0.00
25	0.86	0.76	1.3	2.4	2.2	2.0	1.0	e0.50	0.07	0.00	0.09	0.00
26	0.93	0.73	1.3	2.3	2.2	2.1	0.98	e0.52	0.04	0.00	0.07	0.00
27	0.92	0.62	1.5	2.3	2.2	2.2	0.92	e0.52	0.03	0.00	0.04	0.00
28	0.92	e0.68	1.5	2.4	2.2	2.2	0.85	e0.50	0.02	0.00	0.02	0.00
29	0.92	e0.65	1.5	2.4	---	2.1	0.92	e0.77	0.00	0.00	0.02	0.00
30	0.89	e0.64	1.6	2.3	---	2.0	0.92	e0.70	0.00	0.00	0.02	0.00
31	0.89	---	1.6	2.4	---	2.0	---	e0.75	---	0.00	0.01	---
TOTAL	20.56	23.79	30.25	65.8	60.7	65.3	46.29	28.15	16.72	3.65	0.43	1.85
MEAN	0.66	0.79	0.98	2.12	2.17	2.11	1.54	0.91	0.56	0.12	0.01	0.06
MAX	0.93	1.4	1.6	2.6	2.3	2.2	2.1	2.3	4.1	0.40	0.16	0.28
MIN	0.08	0.62	0.63	1.5	2.0	2.0	0.85	0.46	0.00	0.00	0.00	0.00
AC-FT	41	47	60	131	120	130	92	56	33	7.2	0.9	3.7

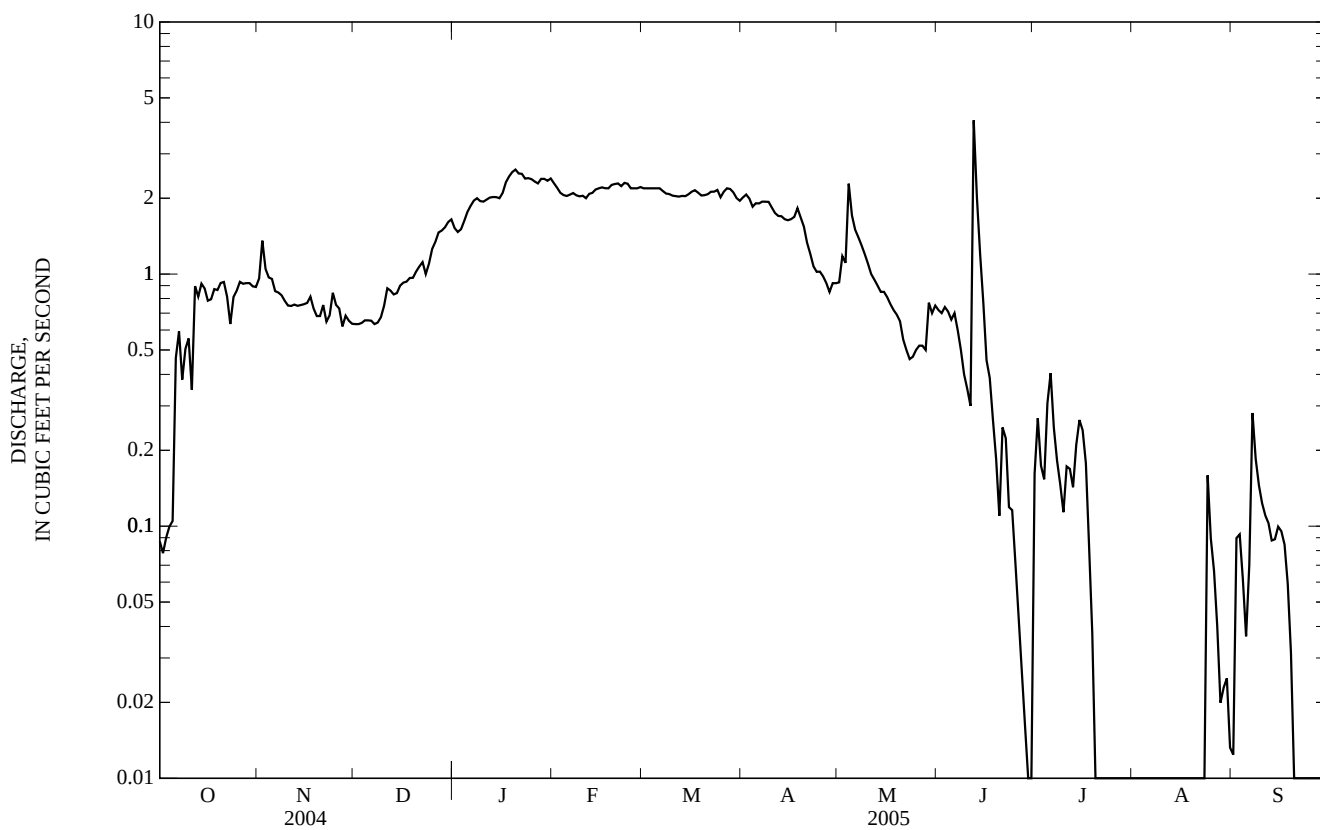
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	0.42	0.87	1.14	1.26	1.37	1.46	1.48	1.36	0.84	0.39	0.19	0.23
MAX	0.97	1.58	2.68	2.12	2.17	2.11	3.43	3.20	2.72	3.12	0.55	1.47
(WY)	(1997)	(1997)	(1997)	(2005)	(1997)	(2005)	(1999)	(1999)	(1999)	(1999)	(1996)	(1996)
MIN	0.00	0.28	0.43	0.50	0.63	0.41	0.35	0.45	0.07	0.00	0.00	0.00
(WY)	(2002)	(1995)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(1996)	(1994)	(2001)	(1998)

e Estimated

07233650 PALO DURO CREEK AT RANGE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	279.04		363.49		0.91	
ANNUAL MEAN	0.76		1.00		1.64	
HIGHEST ANNUAL MEAN					0.33	
LOWEST ANNUAL MEAN					59	
HIGHEST DAILY MEAN	2.8	May 12	4.1	Jun 12	59	Jul 1, 1999
LOWEST DAILY MEAN	0.00	at times	0.00	at times	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 28	0.00	Jul 21	0.00	Jun 23, 1994
MAXIMUM PEAK FLOW			5.6		105	
MAXIMUM PEAK STAGE			10.44		10.53	
ANNUAL RUNOFF (AC-FT)	553		721		663	
10 PERCENT EXCEEDS	1.4		2.2		1.8	
50 PERCENT EXCEEDS	0.86		0.81		0.86	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



07234000 BEAVER RIVER AT BEAVER, OK

(Headwater of the North Canadian River)

LOCATION.--Lat 36°49'20", long 100°31'08", SW $\frac{1}{4}$ sec.7, T.4 N., R.24 E., Beaver County, Hydrologic Unit 11100102, near right bank on downstream side of pier of bridge on U.S. Highway 270 at Beaver, 1.1 mi downstream from Home Creek, 5.0 mi upstream from Clear Creek, and at mile 576.0.

DRAINAGE AREA.--7,955 mi², of which 4,270 mi² is probably noncontributing.

PERIOD OF RECORD.--March 1904 to December 1905 (gage heights only), October 1937 to current year. Monthly discharge only for some periods, published in WSP 1311. Published as Beaver Creek at Beaver 1904-5, and October 1937 to September 1970 as North Canadian River at Beaver.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,368.16 ft, NGVD of 1929 (levels by U.S. Army Corps of Engineers). Mar. 29, 1904 to Dec. 31, 1905, nonrecording gage at same vicinity at different datum. Mar. 1, 1938 to Sept. 30, 1946, water-stage recorder at present site at datum 3.0 ft higher.

REMARKS.--Records fair. Natural flow affected by irrigation development. Regulation by Optima Lake 47.0 mi upstream, since Oct. 1978, and regulation by Palo Duro Reservoir since May 1991. U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	7.4	27	19	33	28	21	13	4.4	3.0	0.00	0.84
2	4.3	14	27	19	35	28	21	14	4.2	6.2	0.00	0.78
3	4.3	14	26	21	35	28	21	14	3.3	3.5	0.00	0.63
4	4.3	15	25	25	34	27	20	14	3.2	2.1	0.00	0.55
5	4.3	15	25	e26	33	27	20	13	2.5	2.0	0.00	0.48
6	5.1	14	25	e20	37	27	19	13	2.1	2.0	0.00	0.37
7	5.3	13	24	e27	39	27	19	13	2.0	1.3	0.00	1.1
8	5.3	12	24	e23	40	26	19	12	1.4	0.97	0.00	0.57
9	5.5	12	23	31	39	26	19	11	1.1	0.76	0.00	0.37
10	5.4	14	22	29	38	26	18	10	1.1	0.58	0.00	0.26
11	6.3	13	22	29	37	26	17	9.7	2.0	0.51	0.00	0.24
12	7.5	13	22	29	36	26	16	9.4	6.3	0.43	0.18	0.27
13	7.3	13	20	27	36	25	16	9.3	13	1.7	2.6	0.18
14	7.9	14	20	e24	34	25	16	8.7	13	0.88	0.78	0.15
15	7.9	15	20	e16	33	25	16	8.2	12	0.49	0.05	0.18
16	7.8	16	20	e19	32	25	16	8.0	13	0.33	0.05	0.16
17	7.9	16	19	e19	31	25	16	7.5	27	0.28	0.06	0.16
18	7.9	17	19	e20	31	25	19	6.9	24	0.15	0.05	0.13
19	7.6	17	19	26	32	24	18	6.3	19	0.13	0.10	0.13
20	7.6	17	20	25	31	24	17	5.7	16	0.10	0.17	0.13
21	7.5	18	19	25	31	24	15	5.1	14	0.08	0.21	0.15
22	7.4	19	19	24	30	23	14	4.2	12	0.07	2.7	0.12
23	6.8	22	e16	23	31	23	13	4.0	10	0.05	1.7	0.12
24	6.5	26	e10	23	30	23	13	3.7	8.8	0.04	8.3	0.12
25	6.4	31	e15	24	30	22	14	4.6	7.3	0.03	7.7	0.11
26	6.5	35	e16	23	30	22	13	4.0	6.1	0.03	3.5	0.09
27	6.5	33	22	23	30	22	13	4.1	5.0	0.04	2.3	0.08
28	6.5	32	20	25	29	22	13	3.4	4.0	0.03	1.7	0.08
29	6.4	30	20	26	---	22	12	3.8	3.1	0.02	1.4	0.08
30	6.2	28	20	29	---	22	12	3.5	2.2	0.01	1.2	0.09
31	6.2	---	19	31	---	21	---	4.0	---	0.00	0.98	---
TOTAL	196.9	555.4	645	750	937	766	496	251.1	243.1	27.81	35.73	8.72
MEAN	6.35	18.5	20.8	24.2	33.5	24.7	16.5	8.10	8.10	0.90	1.15	0.29
MAX	7.9	35	27	31	40	28	21	14	27	6.2	8.3	1.1
MIN	4.3	7.4	10	16	29	21	12	3.4	1.1	0.00	0.00	0.08
AC-FT	391	1,100	1,280	1,490	1,860	1,520	984	498	482	55	71	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

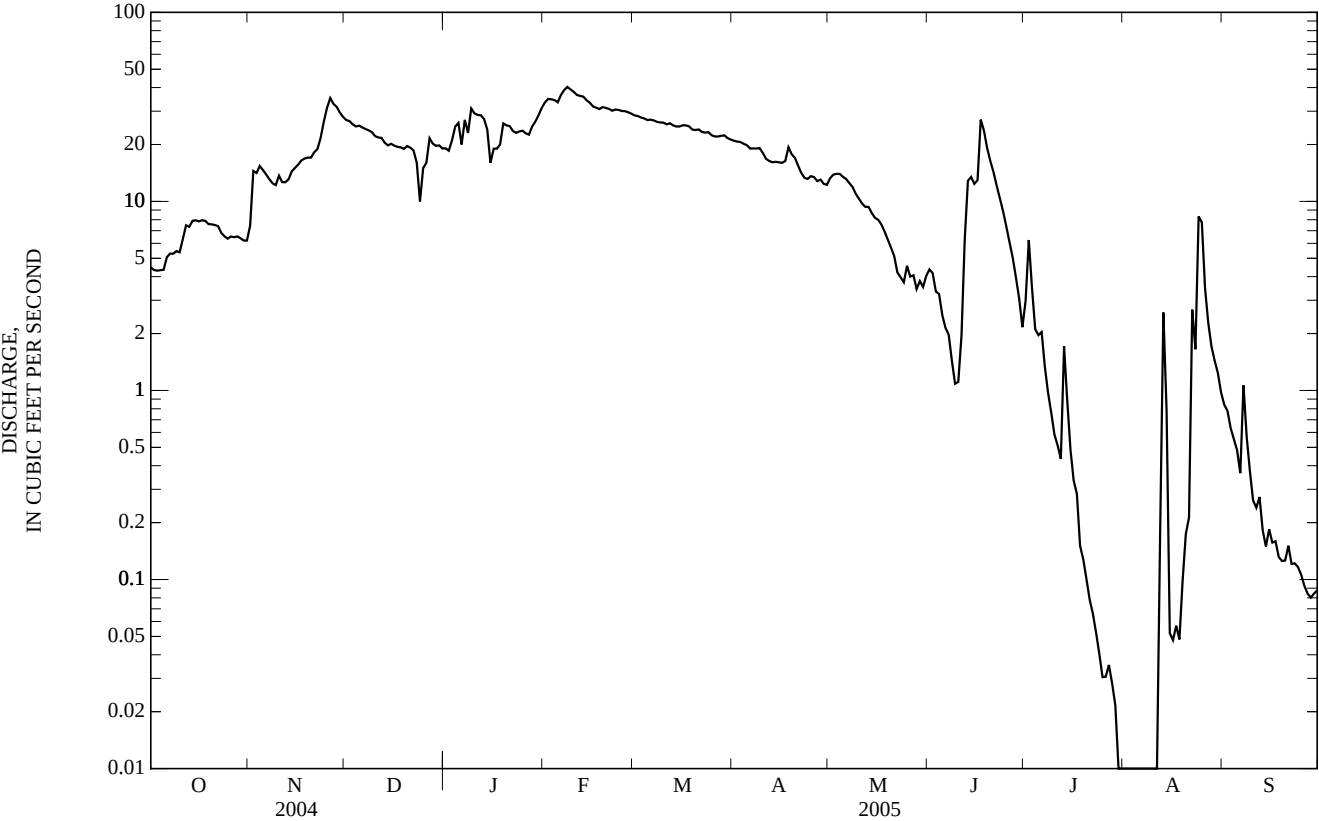
MEAN	6.36	3.54	3.31	4.43	6.62	10.0	15.0	42.0	48.4	13.3	4.34	8.67
MAX	130	28.6	20.8	24.2	33.5	27.6	83.8	295	362	79.4	25.9	78.5
(WY)	(1986)	(1999)	(2005)	(2005)	(2005)	(1993)	(1990)	(1989)	(1989)	(1979)	(1982)	(1981)
MIN	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.00	0.00	0.00	0.00
(WY)	(1980)	(1981)	(1981)	(2004)	(2004)	(2003)	(1981)	(2003)	(1981)	(1981)	(1981)	(1980)

e Estimated

07234000 BEAVER RIVER AT BEAVER, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	3,592.93		4,912.76		a13.8	
ANNUAL MEAN	9.82		13.5		64.0	
HIGHEST ANNUAL MEAN					0.01	
LOWEST ANNUAL MEAN					3,880	
HIGHEST DAILY MEAN	184	Jun 28	40	Feb 8	May 31, 1980	
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Jul 31-Aug 11	at times	
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jul 31	Oct 1, 1978	
MAXIMUM PEAK FLOW			41	Feb 7	b5,510	
MAXIMUM PEAK STAGE			3.37	Jun 17	c10.50	
ANNUAL RUNOFF (AC-FT)	7,130		9,740		10,020	
10 PERCENT EXCEEDS	25		29		24	
50 PERCENT EXCEEDS	1.2		13		0.52	
90 PERCENT EXCEEDS	0.00		0.12		0.00	

- a Prior to regulation, water years 1938-78, 103 ft³/s.
b Maximum discharge for period of record, 70,000 ft³/s, Oct. 8, 1946, from slope-area measurement of peak flow in overflow section and extension of rating curve for main channel above 42,000 ft³/s.
c Maximum gage height for period of record, 14.55 ft, Oct. 8, 1946.



07237500 NORTH CANADIAN RIVER AT WOODWARD, OK

LOCATION.--Lat 36°26'12", long 99°16'41", SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.23 N., R.19 W., Woodward County, Hydrologic Unit 11100301, on downstream side of pier of bridge on State Highway 412 (formerly State Highway 15), 275 ft downstream from The Atchison, Topeka and Santa Fe Railway Co. bridge, 6.0 mi east of Woodward, 7.2 mi upstream from Indian Creek, 27.5 mi downstream from Wolf Creek, and at mile 460.2.

DRAINAGE AREA.--11,589 mi², of which 4,812 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1903 to September 1905 (gage heights only), October 1905 to June 1906, October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311. Published as Canadian River (North Fork) near Woodward 1903-06. Gage-height records collected in this vicinity since 1919 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1731: 1951(M).

GAGE.--Water-stage recorder. Datum of gage is 1,829.95 ft above NGVD of 1929. Prior to July 1906, nonrecording gage at railway bridge 275 ft upstream at different datum. Oct. 1, 1938 to Oct. 26, 1943, nonrecording gage and Oct. 27, 1943 to July 12, 1951, water-stage recorder, at site 7.8 mi upstream at datum 37.01 ft higher than present datum.

REMARKS.--Records good. Some regulation since May 1942 by Fort Supply Lake on Wolf Creek, 33.0 mi upstream. Flow regulated since October 1978 by Optima Lake, 163.0 mi upstream, and by Palo Duro reservoir since May 1991. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 12, 1923, reached a stage of 11.0 ft, site and datum then in use; from reports of National Weather Service.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	31	115	173	278	292	100	164	79	175	51	44
2	20	38	203	176	280	291	143	165	85	266	48	111
3	20	36	219	179	282	270	216	138	75	312	46	164
4	25	37	228	289	283	171	225	107	69	353	45	183
5	21	36	230	289	251	150	229	101	64	345	44	192
6	27	36	230	e231	172	142	237	98	61	353	42	195
7	32	36	169	e230	157	138	239	95	60	285	44	149
8	31	36	111	232	203	172	237	92	57	178	42	79
9	27	37	97	239	265	229	237	88	55	150	39	66
10	30	39	91	242	269	234	264	86	81	136	37	58
11	48	42	88	241	269	234	245	83	111	128	36	54
12	37	39	87	242	237	236	241	80	217	121	38	53
13	37	39	84	241	192	235	238	79	349	117	55	51
14	35	39	83	236	184	234	182	78	343	114	47	48
15	35	40	83	e190	179	189	124	77	511	109	43	47
16	33	41	83	e130	174	138	112	74	405	105	42	45
17	32	44	81	e124	172	127	106	102	495	101	42	43
18	32	70	80	123	169	123	104	164	675	97	40	42
19	32	55	79	126	169	118	101	171	725	93	36	40
20	30	59	79	126	169	116	100	140	726	89	44	38
21	30	65	82	125	168	119	98	90	708	85	75	36
22	31	60	91	124	168	129	94	77	699	82	47	34
23	29	83	e90	119	180	118	90	71	643	80	81	33
24	28	82	e85	118	173	114	89	67	377	76	62	34
25	28	76	e82	169	216	112	88	67	230	73	56	33
26	31	76	e87	257	277	110	117	67	192	70	52	30
27	33	75	96	267	284	108	197	63	172	69	48	29
28	34	74	119	285	288	108	214	62	158	67	46	28
29	34	74	155	287	---	108	207	62	147	63	59	26
30	31	75	166	280	---	105	168	60	139	57	49	25
31	30	---	171	281	---	104	---	59	---	53	46	---
TOTAL	944	1,570	3,744	6,371	6,108	5,074	5,042	2,927	8,708	4,402	1,482	2,010
MEAN	30.5	52.3	121	206	218	164	168	94.4	290	142	47.8	67.0
MAX	48	83	230	289	288	292	264	171	726	353	81	195
MIN	20	31	79	118	157	104	88	59	55	53	36	25
AC-FT	1,870	3,110	7,430	12,640	12,120	10,060	10,000	5,810	17,270	8,730	2,940	3,990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	58.3	69.7	65.0	86.0	103	146	168	224	201	87.3	44.8	40.0
MAX	377	281	242	206	246	404	576	900	814	328	254	368
(WY)	(1986)	(1997)	(1997)	(2005)	(2001)	(1987)	(1999)	(1979)	(1989)	(1989)	(1996)	(1996)
MIN	2.33	5.75	8.33	11.0	12.6	30.6	32.6	13.3	9.57	4.24	1.73	0.95
(WY)	(1992)	(1985)	(1995)	(1981)	(1981)	(1996)	(1996)	(1996)	(1996)	(1981)	(1991)	(1984)

e Estimated

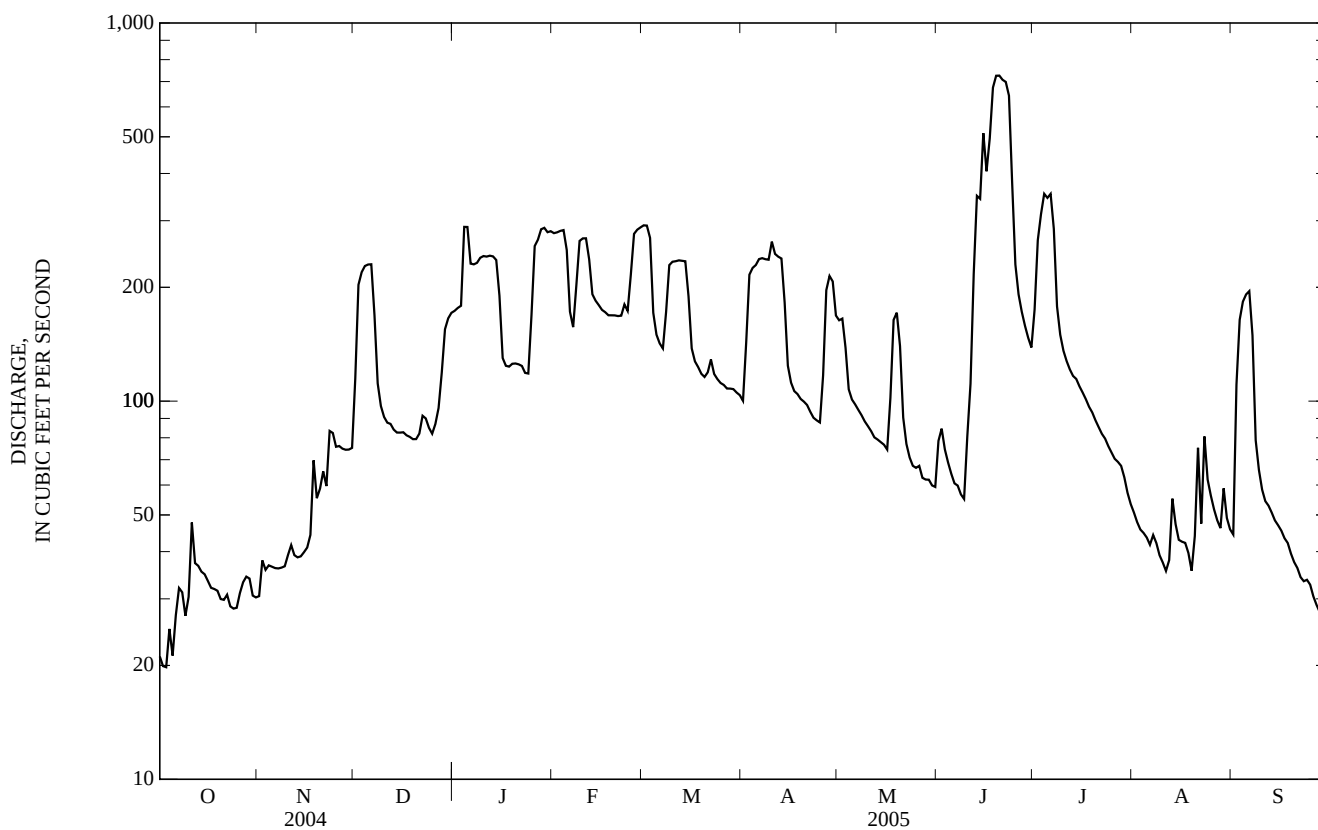
07237500 NORTH CANADIAN RIVER AT WOODWARD, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	28,130		48,382		a108	
ANNUAL MEAN	76.9		133		248	
HIGHEST ANNUAL MEAN					16.9	
LOWEST ANNUAL MEAN					2,950	
HIGHEST DAILY MEAN	306	Apr 24	726	Jun 20	May 23, 1989	
LOWEST DAILY MEAN	20	Sep 20	20	Oct 2,3	0.00 at times	
ANNUAL SEVEN-DAY MINIMUM	21	Sep 16	24	Oct 1	0.13 Sep 9, 1984	
MAXIMUM PEAK FLOW			741	Jun 20	b3,090 May 23, 1989	
MAXIMUM PEAK STAGE			6.89	Jun 20	c10.72 May 23, 1989	
ANNUAL RUNOFF (AC-FT)	55,800		95,970		78,010	
10 PERCENT EXCEEDS	157		266		249	
50 PERCENT EXCEEDS	55		97		61	
90 PERCENT EXCEEDS	30		35		7.5	

a Prior to regulation 1939-78, 194 ft³/s.

b Maximum discharge for period of record 42,000 ft³/s, Oct. 10, 1946.

c Maximum gage height for period of record 9.80 ft, Oct. 10, 1946, site and datum then in use.



07238000 NORTH CANADIAN RIVER NEAR SEILING, OK

LOCATION.--Lat 36°11'00", long 98°55'15", in NW $\frac{1}{4}$ sec.28, T.20 N., R.16 W., Major County, Hydrologic Unit 11100301, near center of span on downstream side of pier of bridge on U.S. Highway 60, 2.0 mi upstream from Seiling Creek, 2.2 mi north of Seiling, 2.8 mi downstream from Deep Creek, and at mile 422.6.

DRAINAGE AREA.--12,261 mi², of which 4,847 mi is probably noncontributing.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,675.53 ft above NGVD of 1929. July 1, 1946 to Aug. 17, 1964, at site 60 ft downstream and prior to Oct. 1, 1954, at datum 5.00 ft higher.

REMARKS.--Records good. Some regulation since May 1942 by Fort Supply Lake. Minor regulation since October 1978 by Optima Lake. Some regulation since May 1991 by Palo Duro Reservoir. U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	61	136	207	369	334	169	217	82	168	e60	50
2	28	65	164	214	372	337	165	212	89	187	e54	45
3	27	77	220	216	362	338	185	214	101	247	48	70
4	34	78	236	227	356	323	247	194	90	310	45	127
5	46	75	247	394	354	256	258	168	80	365	57	149
6	42	73	255	e340	333	241	268	161	74	351	53	157
7	44	71	258	e335	277	229	278	155	70	344	52	166
8	54	70	224	e330	263	219	285	150	67	292	48	148
9	62	68	183	328	280	233	280	146	64	221	48	93
10	61	70	164	371	324	271	278	140	70	190	42	75
11	69	70	155	349	329	276	307	134	130	173	39	65
12	93	76	151	323	332	281	301	130	273	162	38	60
13	91	72	145	309	311	280	286	131	881	154	37	55
14	76	74	136	295	272	277	280	129	1,060	148	59	51
15	69	81	134	e250	261	283	248	123	628	141	72	e59
16	66	90	134	e220	251	262	204	119	649	134	69	65
17	64	102	133	e210	244	236	188	114	1,080	127	61	54
18	62	211	130	e200	241	217	177	123	892	119	51	51
19	60	212	129	202	242	202	172	182	821	111	42	45
20	60	159	131	204	243	193	169	190	783	104	35	42
21	60	200	131	206	243	191	165	171	758	97	37	40
22	59	192	132	201	240	196	159	126	727	91	74	37
23	56	180	e130	190	243	212	153	109	708	85	66	36
24	55	295	e129	183	258	200	149	100	651	79	78	35
25	54	242	e130	183	251	193	149	91	426	75	76	34
26	57	190	e145	209	272	189	147	92	295	73	65	33
27	57	169	153	266	320	187	158	96	249	79	57	32
28	62	156	154	292	330	185	225	90	220	77	53	31
29	63	149	169	323	---	183	239	87	195	73	53	30
30	61	141	195	349	---	179	239	85	176	e69	63	32
31	60	---	200	364	---	173	---	82	---	e65	57	---
TOTAL	1,782	3,769	5,133	8,290	8,173	7,376	6,528	4,261	12,389	4,911	1,689	1,967
MEAN	57.5	126	166	267	292	238	218	137	413	158	54.5	65.6
MAX	93	295	258	394	372	338	307	217	1,080	365	78	166
MIN	27	61	129	183	240	173	147	82	64	65	35	30
AC-FT	3,530	7,480	10,180	16,440	16,210	14,630	12,950	8,450	24,570	9,740	3,350	3,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	99.0	122	110	132	157	225	249	345	291	125	66.3	75.8
MAX	471	540	333	360	360	645	1,128	984	982	380	409	698
(WY)	(1997)	(1999)	(1997)	(1998)	(2001)	(1998)	(1999)	(1979)	(1989)	(1989)	(1996)	(1996)
MIN	2.73	10.6	24.5	30.5	36.7	61.8	57.3	32.3	18.8	8.13	1.23	0.07
(WY)	(1992)	(1985)	(1979)	(1981)	(1981)	(1996)	(1981)	(1996)	(1981)	(1991)	(1984)	(1984)

e Estimated

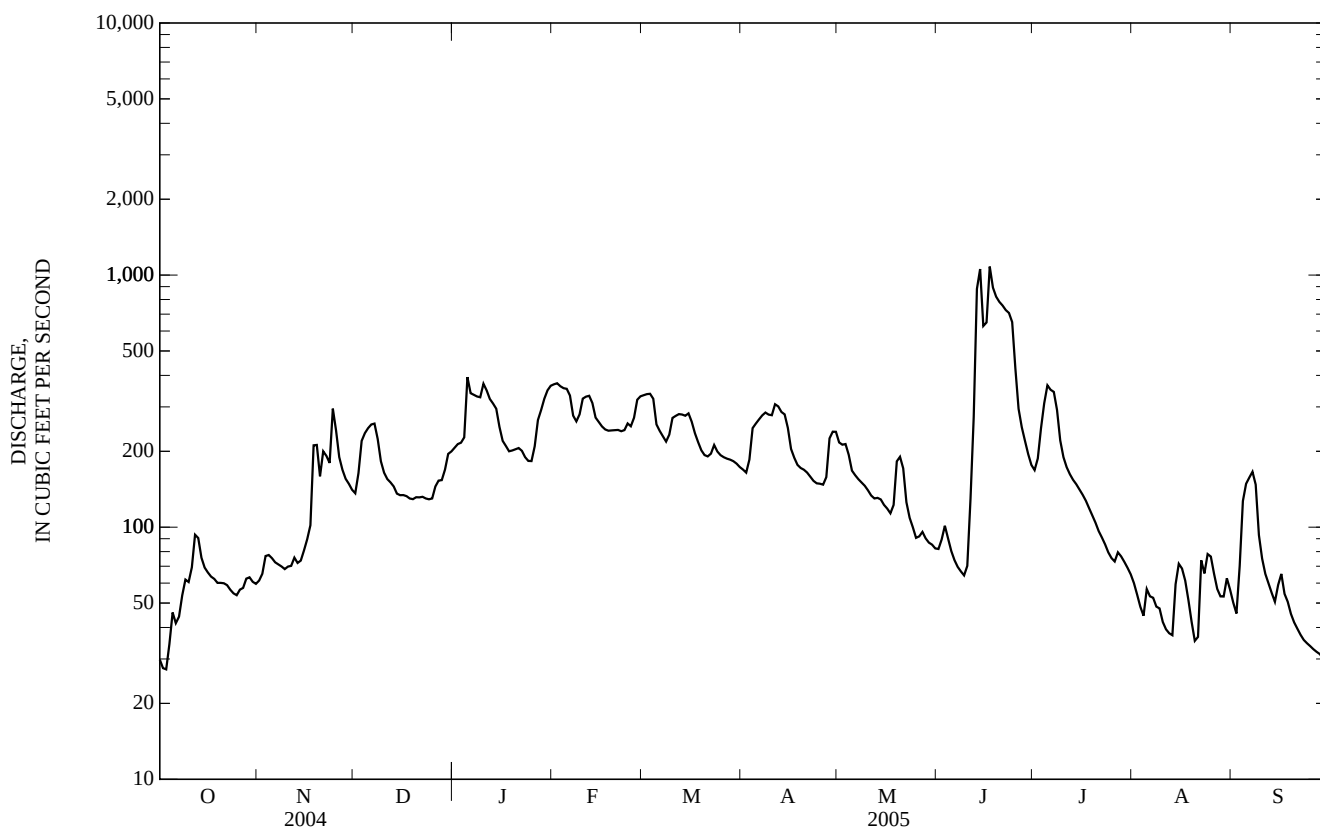
07238000 NORTH CANADIAN RIVER NEAR SEILING, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	43,205		66,268		a166	
ANNUAL MEAN	118		182		380	
HIGHEST ANNUAL MEAN					29.4	
LOWEST ANNUAL MEAN					5,430	
HIGHEST DAILY MEAN	868	Mar 5	1,080	Jun 17	5,430	Sep 23, 1997
LOWEST DAILY MEAN	18	Sep 20,21	27	Oct 3	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	20	Sep 16	32	Sep 24	0.00	Sep 16, 1980
MAXIMUM PEAK FLOW			1,390	Jun 17	b7,200	Sep 23, 1997
MAXIMUM PEAK STAGE			9.87	Jun 17	c14.86	Sep 23, 1997
ANNUAL RUNOFF (AC-FT)	85,700		131,400		120,500	
10 PERCENT EXCEEDS	218		328		364	
50 PERCENT EXCEEDS	94		155		96	
90 PERCENT EXCEEDS	41		53		14	

a Prior to regulation, water years 1947-78, 215 ft³/s.

b Maximum discharge for period of record, 33,000 ft³/s, May 19, 1951.

c Maximum gage height for period of record, 16.00 ft, Oct. 11, 1946, present datum.



07239300 NORTH CANADIAN RIVER BELOW WEAVERS CREEK NEAR WATONGA, OK

LOCATION.--Lat 35°48'43", long 98°25'14", NE ¼, NE ¼, sec.1, T.15 N., R.12 W., Blaine County, Hydrologic Unit 11100301, near right abutment on downstream side of U.S. Highway 281, 2.0 mi south of intersection of U.S. Highway 281 and State Highway 33 and at mile 361.2.

DRAINAGE AREA.--12,736 mi², of which 4,899 mi² is probably noncontributing.

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

REVISED RECORDS.--WRD OK-95-1: 1987 (M)

GAGE.--Water-stage recorder. Datum of gage is 1,453.60 ft above NGVD of 1929 (Oklahoma State Highway Department benchmark).

REMARKS.--Records fair except for estimated periods which are poor. Considerable regulation by Canton Lake (07238500) 33 mi upstream. U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	41	38	28	185	343	46	303	24	129	26	e16
2	7.1	45	36	28	186	337	43	313	23	125	23	e14
3	6.7	85	35	28	185	338	40	312	22	119	23	e12
4	53	123	35	31	185	338	39	250	23	173	21	e11
5	33	118	35	90	183	339	92	134	21	203	21	e9.3
6	17	82	37	e65	191	336	274	58	19	137	21	e8.5
7	19	44	47	e55	191	337	336	40	17	353	19	e8.5
8	21	38	47	e81	186	339	338	33	34	627	19	e8.7
9	15	36	38	173	187	335	337	28	44	e618	19	e7.9
10	28	37	35	220	187	333	337	25	43	e607	19	e7.2
11	71	35	34	169	186	330	335	22	53	e590	18	e9.0
12	42	33	34	166	308	328	332	21	143	e498	17	e11
13	25	33	32	460	358	325	328	28	193	e250	18	e16
14	19	35	31	632	361	325	326	104	177	80	23	e21
15	17	60	31	634	359	333	325	39	311	59	26	56
16	15	57	32	618	360	344	322	269	319	48	22	96
17	15	110	31	630	354	335	319	708	661	58	21	553
18	15	327	31	625	356	326	315	700	408	46	19	507
19	14	128	31	627	357	324	152	341	623	52	15	183
20	14	70	31	626	355	321	61	83	814	51	16	140
21	14	116	31	503	355	324	47	54	823	49	58	71
22	14	78	29	444	355	321	38	42	828	47	776	57
23	13	88	e20	444	358	314	32	36	823	44	e209	51
24	12	114	e20	434	358	310	31	31	724	44	e112	47
25	12	75	e21	430	351	309	30	29	667	44	e63	44
26	24	56	e30	425	350	167	29	29	665	43	e44	43
27	38	48	33	415	353	78	27	29	665	44	e75	39
28	41	44	30	248	348	64	25	27	487	38	e48	36
29	25	41	30	199	---	57	147	26	226	35	e26	32
30	20	39	29	191	---	51	294	24	143	32	e25	36
31	30	---	28	187	---	49	---	22	---	29	e19	---
TOTAL	697.2	2,236	1,002	9,906	8,048	8,710	5,397	4,160	10,023	5,272	1,861	2,151.1
MEAN	22.5	74.5	32.3	320	287	281	180	134	334	170	60.0	71.7
MAX	71	327	47	634	361	344	338	708	828	627	776	553
MIN	6.7	33	20	28	183	49	25	21	17	29	15	7.2
AC-FT	1,380	4,440	1,990	19,650	15,960	17,280	10,700	8,250	19,880	10,460	3,690	4,270

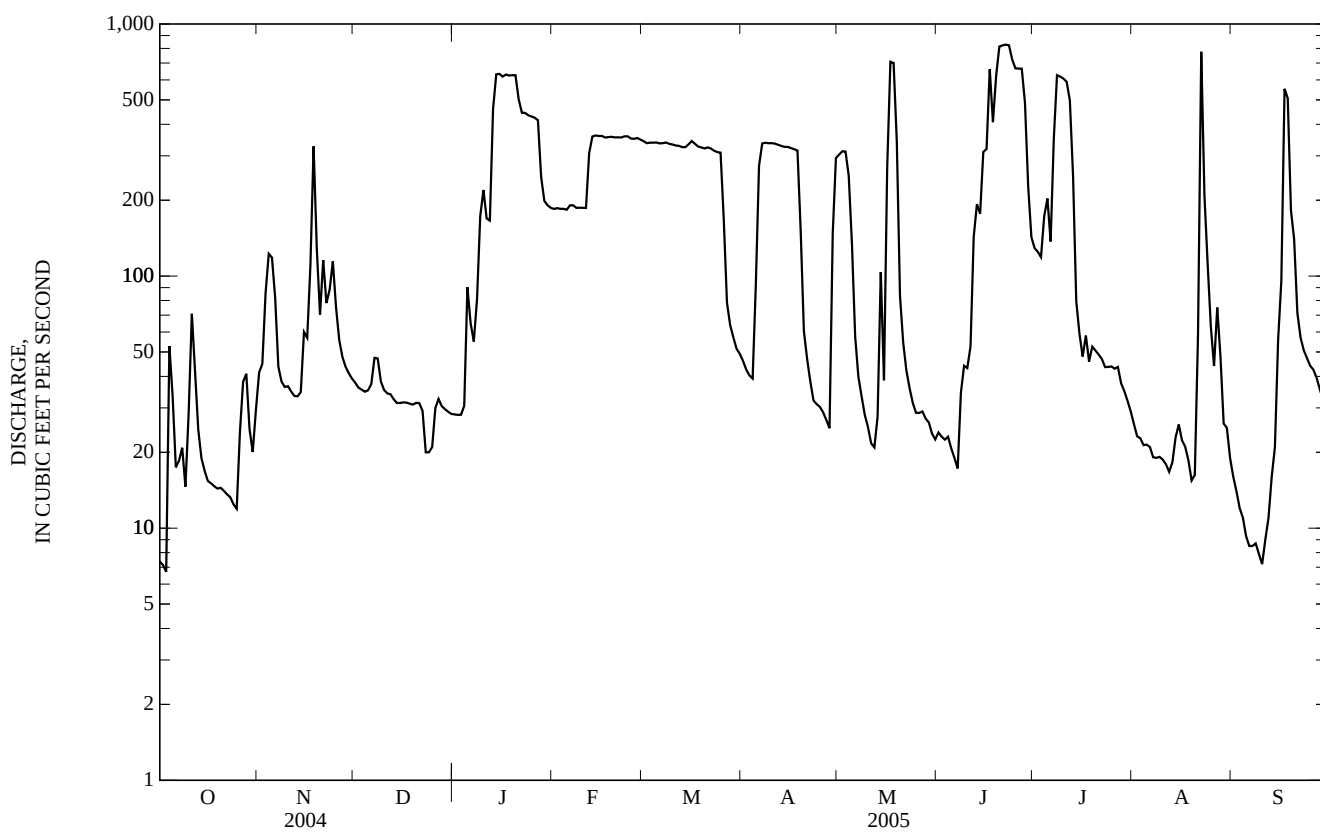
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

	MEAN	118	118	135	157	191	248	322	304	342	172	149	138
MAX	708	532	452	620	532	597	863	1,004	944	895	610	666	
(WY)	(1997)	(1997)	(2000)	(1998)	(1994)	(1988)	(1998)	(1999)	(1987)	(1989)	(1984)	(1986)	
MIN	10.2	9.24	9.95	11.4	14.0	18.3	24.2	10.4	18.8	10.1	4.90	9.06	
(WY)	(1985)	(2004)	(2004)	(1985)	(1985)	(2002)	(1985)	(1985)	(1985)	(1985)	(2003)	(2004)	

e Estimated

07239300 NORTH CANADIAN RIVER BELOW WEAVERS CREEK NEAR WATONGA, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1984 - 2005	
ANNUAL TOTAL	40,996.5		59,463.3		199	
ANNUAL MEAN	112		163		476	
HIGHEST ANNUAL MEAN					32.1	
LOWEST ANNUAL MEAN					5,170	
HIGHEST DAILY MEAN	983	Mar 4	828	Jun 22	2.5	Oct 3, 1986
LOWEST DAILY MEAN	5.0	Jan 6	6.7	Oct 3	2.8	Aug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	6.4	Sep 16	8.4	Sep 5	6,180	Aug 17, 2003
MAXIMUM PEAK FLOW			1,170	Aug 22	19.24	Oct 3, 1986
MAXIMUM PEAK STAGE			12.29	Aug 22	144,400	
ANNUAL RUNOFF (AC-FT)	81,320		117,900		635	
10 PERCENT EXCEEDS	378		411		56	
50 PERCENT EXCEEDS	33		53		15	
90 PERCENT EXCEEDS	9.7		19			



07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK

LOCATION.--Lat 35°37'01", long 98°03'54", in NW ¼ SW ¼ of sec.9, T.13 N., R.8 W., Canadian County, Hydrologic Unit 11100301, near left bank on downstream side of county road bridge, 1 mi north and 3 mi east of Calumet, and at mile 320.7.

DRAINAGE AREA.--12,962 mi², of which 4,899 is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,326.80 ft above sea level.

REMARKS.--Records fair. Some regulation by Canton Lake (station 07238500). U.S. Geological Survey's satellite telemeter located at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	37	78	54	215	364	80	249	46	140	35	54
2	9.9	43	74	53	210	356	77	278	41	117	32	48
3	9.7	54	72	54	209	352	71	289	39	106	30	44
4	24	64	70	57	203	351	66	294	40	119	27	41
5	39	102	69	215	197	354	63	256	38	146	28	40
6	44	102	70	291	204	350	74	157	37	185	27	38
7	33	91	71	161	223	348	217	98	34	115	26	37
8	32	63	78	126	216	346	298	76	32	183	24	35
9	31	53	82	127	205	344	311	64	32	463	23	33
10	41	50	73	189	201	338	315	57	46	482	21	32
11	302	48	67	210	199	334	321	51	54	485	20	30
12	155	48	65	179	196	330	321	47	60	489	19	31
13	87	46	62	171	276	327	322	50	359	408	20	30
14	60	46	60	390	344	325	318	56	438	251	23	40
15	48	57	59	646	354	330	316	97	179	117	26	1,470
16	42	118	58	680	355	343	317	74	305	86	30	1,220
17	39	123	58	693	357	355	315	139	793	71	30	347
18	37	364	58	676	352	341	313	589	1,000	64	26	630
19	36	732	58	671	353	331	312	659	510	64	22	636
20	36	231	58	660	356	327	196	382	589	56	20	274
21	35	212	57	657	355	327	102	126	793	57	36	176
22	34	209	e55	527	358	330	83	86	773	54	251	119
23	34	150	e53	444	368	327	71	70	771	52	1,300	92
24	33	203	e51	441	370	324	64	61	762	50	461	80
25	32	202	e54	436	367	314	60	55	673	46	203	74
26	33	138	e58	432	358	312	57	53	615	46	118	68
27	33	110	62	430	366	201	54	50	604	46	85	64
28	42	96	59	429	370	122	52	50	591	44	95	61
29	45	88	57	293	---	103	50	48	455	44	128	57
30	47	82	56	238	---	92	90	45	238	40	78	54
31	40	---	55	227	---	84	---	46	---	37	61	---
TOTAL	1,523.6	3,962	1,957	10,857	8,137	9,382	5,306	4,652	10,947	4,663	3,325	5,955
MEAN	49.1	132	63.1	350	291	303	177	150	365	150	107	198
MAX	302	732	82	693	370	364	322	659	1,000	489	1,300	1,470
MIN	9.7	37	51	53	196	84	50	45	32	37	19	30
AC-FT	3,020	7,860	3,880	21,530	16,140	18,610	10,520	9,230	21,710	9,250	6,600	11,810

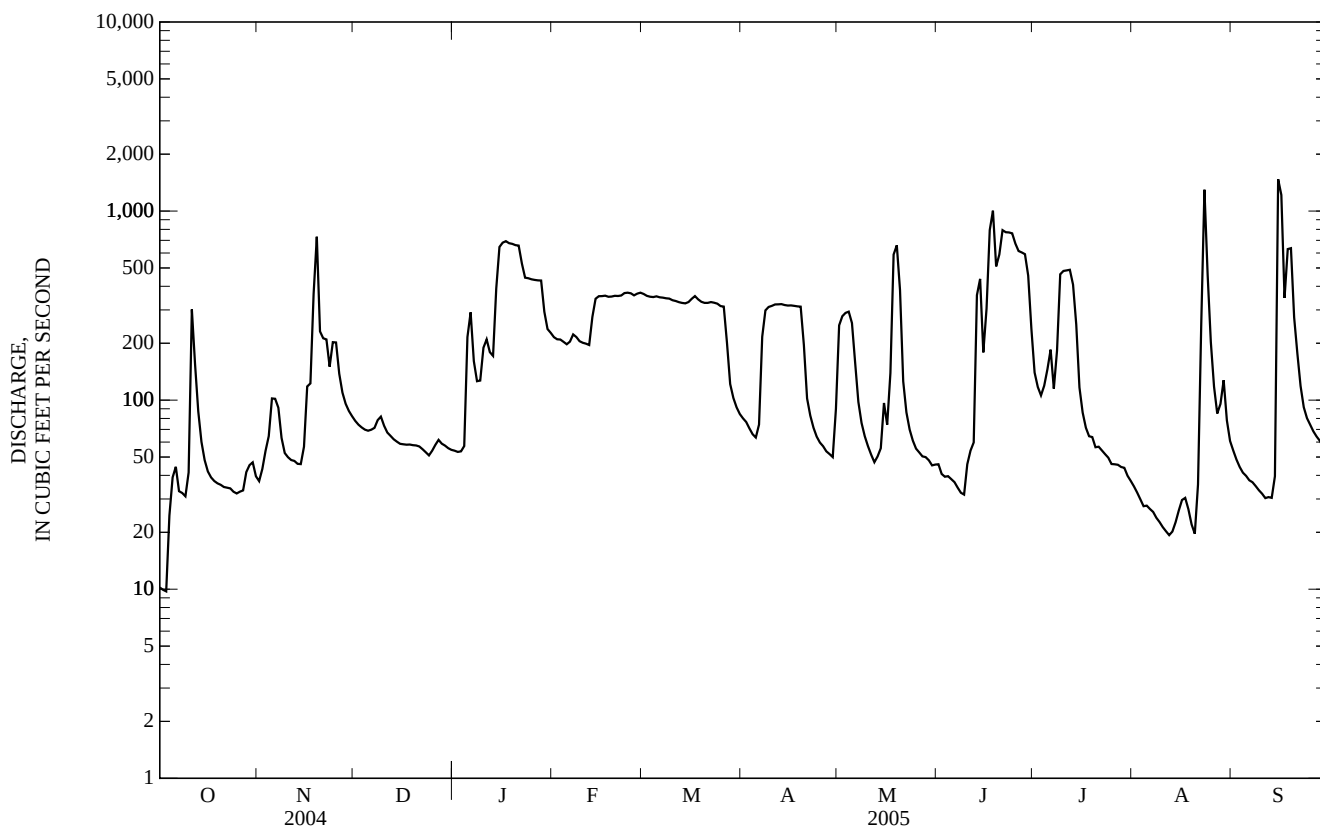
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	149	161	185	193	239	347	405	485	499	197	167	177
MAX	745	603	547	777	600	976	1,110	1,878	1,086	860	556	535
(WY)	(1997)	(1997)	(2000)	(1998)	(1994)	(1998)	(1997)	(1993)	(1997)	(1989)	(1995)	(1989)
MIN	18.4	16.6	13.9	21.3	20.7	26.2	32.6	24.7	86.5	15.2	4.72	10.9
(WY)	(1993)	(2004)	(2004)	(2004)	(2004)	(2002)	(1991)	(1996)	(1994)	(2002)	(2003)	(2003)

e Estimated

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	60,582.4		70,666.6		267	
ANNUAL MEAN	166		194		635	
HIGHEST ANNUAL MEAN					62.9	
LOWEST ANNUAL MEAN					8,430	
HIGHEST DAILY MEAN	4,180	Mar 6	1,470	Sep 15	8,430	May 10, 1993
LOWEST DAILY MEAN	9.2	Jan 7	9.7	Oct 3	3.3	Aug 24, 2003
ANNUAL SEVEN-DAY MINIMUM	11	Sep 27	21	Aug 8	3.5	Aug 22, 2003
MAXIMUM PEAK FLOW			2,100	Sep 15	9,310	May 10, 1993
MAXIMUM PEAK STAGE			10.97	Sep 15	19.60	May 10, 1993
ANNUAL RUNOFF (AC-FT)	120,200		140,200		193,100	
10 PERCENT EXCEEDS	476		439		771	
50 PERCENT EXCEEDS	56		87		96	
90 PERCENT EXCEEDS	15		33		24	



07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--August 1988 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1988 to current year.

pH: October 1988 to current year.

WATER TEMPERATURE: October 1988 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1988.

REMARKS.--Interruptions in record were due to malfunction of the recording instruments and extreme low flow conditions. Samples were collected monthly and specific conductance, pH, water temperature, dissolved oxygen, and alkalinity were determined in the field.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,040 microsiemens, Oct. 2, 1994; minimum, 85 microsiemens, Aug. 17, 1996.

pH: Maximum, 9.4 units, Sept. 25, 1989; minimum, 6.8 units, July 24, 26, 27, 2003.

WATER TEMPERATURE: Maximum, 39.0°C, July 2, 1990; minimum, -0.1°C, several days during winter period.

DISSOLVED OXYGEN: Maximum, 19.6 mg/L, Jan. 3, 2002; minimum, 1.9 mg/L, May 18, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,780 microsiemens, May 4; minimum, 189 microsiemens, Sept. 15.

pH: Maximum, 9.0 units, Sept. 28-30; minimum, 7.2 units, Jan. 8.

WATER TEMPERATURE: Maximum, 35.2°C, July 22; minimum, -0.1°C, several days.

DISSOLVED OXYGEN: Maximum, 14.7 mg/L, Jan. 18; minimum, 3.5 mg/L, May 22.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 06...	0830	1028	80020	5.35	51	730	3.8	8.2	92	7.8	500	15.7	18.5
NOV 09...	0830	1028	80020	5.40	55	732	2.7	10.5	103	8.1	1,380	9.4	12.5
DEC 14...	0915	1028	80020	5.49	63	741	2.3	13.3	104	8.4	1,490	3.3	3.7
JAN 11...	0900	1028	80020	6.72	227	725	4.7	12.0	99	7.9	1,240	-1.4	4.9
FEB 16...	1100	1028	80020	7.17	358	741	2.1	11.2	100	8.2	1,520	2.5	8.8
MAR 01...	1030	1028	80020	7.19	364	732	3.8	14.2	128	8.0	1,380	6.7	8.8
APR 20...	0730	1028	80020	6.63	242	723	1.4	8.4	97	8.4	1,660	18.5	19.3
MAY 09...	1045	1028	80020	5.46	64	726	1.9	9.5	111	8.4	1,660	19.0	20.4
JUN 01...	0900	1028	80020	5.26	47	728	2.8	8.7	105	8.1	1,400	25.2	21.7
JUL 19...	0900	1028	80020	5.46	62	733	2.6	6.6	87	8.1	1,590	35.5	27.2
AUG 17...	1100	1028	80020	5.04	32	733	2.3	8.8	111	8.2	1,260	29.5	24.9
SEP 14...	1000	1028	80020	5.10	38	728	1.5	6.5	79	8.4	1,330	21.9	22.8

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

Date	Hardness, water, mg/L as CaCO ₃ (00900)	Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, lab, mg/L as CaCO ₃ (90410)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT 06...	--	--	--	--	--	--	--	--	117	88	108	.0	--
NOV 09...	450	290	101	46.8	7.00	3	144	41	173	158	193	.0	164
DEC 14...	--	--	--	--	--	--	--	--	323	274	330	2	--
JAN 11...	--	--	--	--	--	--	--	--	194	182	218	2	--
FEB 16...	480	300	113	46.6	5.36	3	139	39	189	175	208	3	175
MAR 01...	--	--	--	--	--	--	--	--	205	180	215	2	--
APR 20...	--	--	--	--	--	--	--	--	195	187	220	4	--
MAY 09...	540	310	131	51.7	5.70	3	167	40	234	228	271	4	210
JUN 01...	--	--	--	--	--	--	--	--	168	201	242	2	--
JUL 19...	--	--	--	--	--	--	--	--	169	164	197	2	--
AUG 17...	350	190	71.4	41.3	4.94	3	134	45	171	160	191	2	157
SEP 14...	--	--	--	--	--	--	--	--	215	197	231	4	--

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

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 06...	--	--	--	--	--	--	--	935	.56	3.9	.07	.051	2.33
NOV 09...	.6	14.7	303	878	1.25	137	922	10	1.1	1.5	.07	.054	.310
DEC 14...	--	--	--	--	--	--	--	<10	.63	.79	.20	.156	1.34
JAN 11...	--	--	--	--	--	--	--	142	.54	1.2	.10	.078	1.25
FEB 16...	.7	14.8	283	885	1.33	948	981	75	.43	.89	--	<.010	.199
MAR 01...	--	--	--	--	--	--	--	56	.44	.69	--	E.008	.283
APR 20...	--	--	--	--	--	--	--	38	.48	.71	.02	.017	--
MAY 09...	.7	14.7	312	1,030	1.48	188	1,090	18	.38	.53	.03	.022	1.01
JUN 01...	--	--	--	--	--	--	--	16	.33	.44	--	E.007	.093
JUL 19...	--	--	--	--	--	--	--	44	.41	.74	--	E.009	--
AUG 17...	.6	6.21	241	754	1.09	69.3	803	15	.44	.64	--	E.005	--
SEP 14...	--	--	--	--	--	--	--	24	.60	.73	.02	.014	--

[illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

[illegible]

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

[illegible]

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

[illegible][illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

[illegible]

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

[illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

Date	p,p'- DDT, bed sedimnt ug/kg (39373)	p,p'- Meth- oxy- chlor, bed sedimnt ug/kg (39481)	Toxa- phene, bed sedimnt ug/kg (39403)
OCT 06...	--	--	--
NOV 09...	E4.1	<7	<400
DEC 14...	--	--	--
JAN 11...	--	--	--
FEB 16...	<1.0	<4	<200
MAR 01...	--	--	--
APR 20...	--	--	--
MAY 09...	<1.0	<4	<200
JUN 01...	--	--	--
JUL 19...	--	--	--
AUG 17...	--	--	--
SEP 14...	--	--	--

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,460	1,430	1,450	966	865	897	1,410	1,370	1,390	1,440	1,420	1,430
2	1,470	1,430	1,460	1,200	966	1,080	1,450	1,410	1,430	1,450	1,430	1,440
3	1,520	1,470	1,500	1,210	1,100	1,140	1,480	1,450	1,470	1,460	1,440	1,450
4	1,510	504	1,200	1,280	1,140	1,200	1,490	1,480	1,490	1,450	1,370	1,410
5	1,080	459	610	1,250	1,130	1,190	1,500	1,490	1,500	1,370	948	1,240
6	1,120	497	840	1,280	1,160	1,220	1,500	1,450	1,480	948	688	772
7	974	462	608	1,320	1,280	1,300	1,480	1,450	1,460	803	663	743
8	579	469	538	1,320	1,320	1,320	1,480	1,450	1,470	905	771	827
9	773	488	664	1,320	1,310	1,320	1,450	1,380	1,410	1,060	902	963
10	798	677	752	1,320	1,310	1,320	1,380	1,330	1,360	1,280	1,040	1,180
11	678	190	294	1,340	1,320	1,330	1,450	1,340	1,390	1,290	1,020	1,210
12	355	256	314	1,360	1,340	1,340	1,500	1,450	1,480	1,240	1,010	1,080
13	579	355	455	1,360	1,340	1,350	1,520	1,500	1,510	1,330	1,240	1,300
14	532	401	473	1,350	1,320	1,340	1,550	1,520	1,530	1,340	1,260	1,300
15	636	517	554	1,320	1,180	1,230	1,570	1,540	1,550	1,290	1,280	1,280
16	846	636	745	1,180	640	857	1,560	1,550	1,550	1,290	1,240	1,270
17	1,050	846	952	842	662	755	1,560	1,540	1,550	1,290	1,220	1,260
18	1,150	1,050	1,110	704	433	594	1,570	1,530	1,540	1,300	1,280	1,290
19	1,230	1,140	1,190	498	327	383	1,550	1,530	1,540	1,280	1,270	1,270
20	1,280	1,230	1,260	492	353	429	1,540	1,500	1,520	1,270	1,260	1,260
21	1,310	1,280	1,300	527	397	476	1,520	1,500	1,520	1,260	1,240	1,250
22	1,330	1,310	1,320	785	527	650	1,550	1,520	1,540	1,250	1,240	1,240
23	1,350	1,320	1,330	776	627	675	1,550	1,500	1,520	1,260	1,240	1,250
24	1,360	1,340	1,350	750	652	705	1,640	1,500	1,580	1,260	1,240	1,250
25	1,380	1,360	1,370	765	672	714	1,630	873	981	1,260	1,240	1,240
26	1,380	1,330	1,360	884	692	789	1,610	875	1,170	---	---	---
27	1,360	1,310	1,340	1,030	884	976	1,610	1,540	1,560	---	---	---
28	1,360	1,290	1,320	1,190	1,030	1,110	1,550	1,480	1,510	---	---	---
29	1,350	870	1,260	1,300	1,190	1,250	1,510	1,440	1,480	---	---	---
30	870	703	745	1,370	1,300	1,340	1,440	1,420	1,430	---	---	---
31	951	815	892	---	---	---	1,460	1,440	1,450	---	---	---

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	1,670	1,650	1,660	1,720	1,600	1,680
2	---	---	---	1,580	1,550	1,560	1,660	1,630	1,650	1,750	1,700	1,730
3	---	---	---	1,560	1,540	1,550	1,660	1,630	1,650	1,770	1,720	1,740
4	---	---	---	1,550	1,540	1,540	1,680	1,660	1,670	1,780	1,720	1,740
5	---	---	---	1,540	1,520	1,530	1,690	1,680	1,680	---	---	---
6	---	---	---	1,550	1,530	1,540	1,680	1,640	1,650	---	---	---
7	---	---	---	1,530	1,520	1,530	1,690	1,550	1,640	---	---	---
8	---	---	---	1,520	1,500	1,510	1,550	1,470	1,500	---	---	---
9	---	---	---	1,510	1,480	1,500	1,530	1,500	1,520	---	---	---
10	---	---	---	1,490	1,480	1,480	1,540	1,500	1,530	1,660	1,630	1,650
11	---	---	---	1,480	1,460	1,470	1,500	1,490	1,500	1,640	1,620	1,630
12	---	---	---	1,470	1,460	1,460	1,600	1,500	1,550	1,630	1,610	1,620
13	---	---	---	1,470	1,460	1,460	1,630	1,590	1,610	1,620	1,260	1,520
14	---	---	---	1,470	1,460	1,460	1,650	1,610	1,630	1,440	1,410	1,420
15	---	---	---	1,460	1,440	1,450	1,700	1,650	1,680	1,450	915	1,320
16	---	---	---	1,470	1,440	1,460	1,680	1,600	1,640	944	679	803
17	1,350	1,340	1,340	1,470	1,450	1,460	1,670	1,520	1,590	1,670	693	921
18	1,360	1,350	1,350	1,470	1,440	1,450	1,680	1,660	1,670	1,740	1,660	1,710
19	1,380	1,350	1,370	1,470	1,460	1,470	1,720	1,660	1,680	1,740	1,700	1,720
20	1,390	1,340	1,370	1,460	1,450	1,460	1,710	1,660	1,680	1,720	1,690	1,710
21	---	---	---	1,450	1,420	1,440	1,680	1,640	1,660	1,720	1,700	1,710
22	---	---	---	1,430	1,410	1,420	1,670	1,630	1,660	1,720	1,700	1,710
23	---	---	---	1,450	1,420	1,440	1,680	1,660	1,670	1,710	1,690	1,700
24	---	---	---	1,480	1,420	1,460	1,700	1,670	1,680	1,700	1,670	1,690
25	---	---	---	1,510	1,380	1,480	1,710	1,680	1,700	1,700	1,670	1,690
26	---	---	---	1,540	1,510	1,530	1,720	1,700	1,710	1,690	1,630	1,660
27	---	---	---	1,560	1,540	1,540	1,730	1,710	1,720	1,680	1,630	1,650
28	---	---	---	1,640	1,560	1,600	1,720	1,700	1,710	1,640	1,630	1,640
29	---	---	---	1,670	1,620	1,650	1,710	1,700	1,710	1,630	1,580	1,600
30	---	---	---	1,680	1,650	1,660	1,750	1,700	1,710	1,600	1,570	1,590
31	---	---	---	1,670	1,650	1,660	---	---	---	1,600	1,430	1,550
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,500	1,450	1,470	1,360	1,350	1,360	---	---	---	---	---	---
2	1,550	1,500	1,520	1,350	1,340	1,340	---	---	---	1,200	1,130	1,170
3	1,600	1,520	1,580	1,350	1,320	1,330	1,610	1,540	1,580	1,280	1,200	1,240
4	1,610	1,560	1,590	1,330	1,150	1,210	1,600	1,530	1,580	1,320	1,220	1,260
5	1,580	1,540	1,560	1,210	986	1,140	1,540	1,500	1,520	1,380	1,320	1,350
6	1,570	1,540	1,550	1,070	778	922	1,580	1,530	1,560	1,420	1,380	1,400
7	1,580	862	1,260	883	773	794	1,560	1,490	1,520	1,480	1,400	1,420
8	930	837	873	1,270	883	1,100	1,580	1,560	1,570	1,470	1,430	1,450
9	1,560	487	892	---	---	---	1,580	1,550	1,570	1,480	1,450	1,470
10	1,570	1,430	1,530	---	---	---	1,590	1,560	1,570	1,510	1,470	1,490
11	1,570	1,470	1,520	---	---	---	1,580	1,510	1,540	1,520	1,490	1,510
12	1,610	1,270	1,530	1,630	1,580	1,620	1,580	1,560	1,570	1,520	1,500	1,500
13	1,360	392	959	1,620	1,580	1,610	1,580	1,320	1,510	1,500	1,430	1,480
14	532	355	407	1,610	1,410	1,530	1,500	1,450	1,470	1,450	1,030	1,340
15	621	503	539	1,570	1,520	1,540	1,470	1,400	1,430	1,140	189	402
16	1,340	621	1,140	1,590	1,560	1,570	1,460	1,330	1,400	257	196	218
17	1,300	715	949	1,580	1,540	1,570	1,350	691	1,150	465	229	330
18	964	723	801	1,550	1,440	1,520	---	---	---	1,420	465	1,080
19	1,170	746	939	---	---	---	---	---	---	1,460	1,420	1,440
20	1,480	1,170	1,340	---	---	---	---	---	---	1,460	1,380	1,430
21	1,560	1,480	1,520	---	---	---	---	---	---	1,500	1,420	1,450
22	1,610	1,560	1,580	---	---	---	1,140	335	790	1,500	1,420	1,460
23	1,630	1,610	1,620	---	---	---	335	197	223	1,430	1,420	1,420
24	1,610	1,600	1,600	---	---	---	270	201	233	1,430	1,420	1,430
25	1,640	1,580	1,620	---	---	---	358	268	306	1,440	1,430	1,440
26	1,680	1,420	1,640	---	---	---	436	355	391	1,450	1,420	1,440
27	1,680	1,660	1,680	---	---	---	550	436	500	1,470	1,430	1,450
28	1,680	1,610	1,660	---	---	---	680	550	588	1,490	1,470	1,480
29	1,610	1,350	1,380	---	---	---	732	319	418	1,500	1,480	1,490
30	1,380	1,330	1,350	---	---	---	---	---	---	1,510	1,470	1,500
31	---	---	---	---	---	---	---	---	---	---	---	---

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.3	8.0	8.2	8.0	7.8	7.9	8.0	7.6	7.9	8.1	8.0	8.1
2	8.4	7.9	8.2	8.1	8.0	8.0	8.2	8.0	8.1	8.2	8.0	8.1
3	8.3	8.1	8.2	8.0	8.0	8.0	8.3	8.2	8.2	8.2	8.1	8.2
4	8.2	7.6	8.0	8.0	7.7	7.8	8.4	8.2	8.3	8.2	8.2	8.2
5	7.9	7.6	7.7	7.8	7.7	7.8	8.3	8.0	8.1	8.2	7.6	8.2
6	8.1	7.7	8.0	7.8	7.7	7.8	8.1	8.0	8.1	7.8	7.6	7.8
7	8.1	7.9	8.0	7.9	7.7	7.8	8.2	8.0	8.1	7.8	7.4	7.7
8	8.1	7.9	8.0	8.0	7.8	7.9	8.2	8.1	8.1	7.9	7.2	7.8
9	8.1	8.0	8.1	8.3	7.8	8.2	8.1	8.0	8.1	8.0	7.9	7.9
10	8.2	7.8	8.1	8.2	8.1	8.2	8.2	8.0	8.0	8.0	7.3	7.9
11	8.1	7.8	8.0	8.2	8.0	8.1	8.2	8.0	8.0	8.2	7.8	8.2
12	8.0	7.8	7.9	8.2	8.0	8.1	8.2	8.1	8.2	8.2	8.2	8.2
13	8.0	7.8	7.9	8.2	8.0	8.1	8.2	8.1	8.2	8.3	8.2	8.3
14	8.1	7.9	8.1	8.2	8.0	8.1	8.4	8.2	8.2	8.3	8.2	8.2
15	8.1	8.0	8.1	8.1	7.9	8.0	8.3	8.2	8.3	8.3	8.2	8.3
16	8.2	8.1	8.2	7.9	7.6	7.7	8.3	8.2	8.2	8.3	8.2	8.3
17	8.2	8.2	8.2	7.7	7.6	7.7	8.3	8.2	8.3	8.3	8.3	8.3
18	8.3	8.2	8.2	7.6	7.4	7.5	8.3	8.2	8.3	8.3	8.3	8.3
19	8.4	8.2	8.3	7.4	7.3	7.4	8.3	8.2	8.3	8.4	8.3	8.3
20	8.4	8.3	8.3	7.5	7.4	7.4	8.2	8.2	8.2	8.5	8.3	8.4
21	8.4	8.1	8.3	7.6	7.3	7.4	8.3	8.2	8.2	8.4	8.4	8.4
22	8.2	8.0	8.1	7.6	7.4	7.5	8.3	8.1	8.3	8.5	8.4	8.5
23	8.3	8.0	8.1	7.6	7.5	7.5	8.2	8.1	8.2	8.5	8.5	8.5
24	8.3	8.0	8.1	7.5	7.4	7.5	8.2	8.1	8.2	8.5	8.5	8.5
25	8.2	8.0	8.1	7.5	7.4	7.5	8.2	8.1	8.1	8.5	8.5	8.5
26	8.1	7.9	8.0	7.6	7.5	7.6	8.1	7.7	7.8	8.6	8.5	8.6
27	8.0	7.8	7.9	8.1	7.5	7.8	8.1	7.6	7.8	8.6	8.6	8.6
28	7.8	7.7	7.8	8.0	7.9	7.9	8.2	7.6	7.7	8.6	8.6	8.6
29	7.9	7.7	7.8	8.0	7.9	7.9	8.1	7.8	8.0	8.6	8.6	8.6
30	8.0	7.7	7.8	8.0	7.9	7.9	8.2	8.0	8.1	8.6	8.6	8.6
31	7.9	7.8	7.9	---	---	---	8.2	8.1	8.1	8.6	8.6	8.6
FEBRUARY			MARCH			APRIL			MAY			
1	8.7	8.6	8.7	8.0	7.8	8.0	8.4	8.4	8.4	8.1	7.9	8.0
2	8.7	8.7	8.7	8.1	7.9	8.0	8.4	8.4	8.4	8.1	8.0	8.0
3	8.7	8.7	8.7	8.1	7.9	8.0	8.4	8.4	8.4	8.0	8.0	8.0
4	8.7	8.7	8.7	8.0	7.9	7.9	8.4	8.2	8.4	8.0	8.0	8.0
5	8.8	8.7	8.7	7.9	7.6	7.8	8.3	8.2	8.2	---	---	---
6	8.7	8.7	8.7	7.9	7.6	7.8	8.3	8.2	8.3	---	---	---
7	8.8	8.7	8.8	7.9	7.7	7.8	8.4	8.3	8.3	---	---	---
8	8.8	8.8	8.8	7.9	7.7	7.8	8.4	8.3	8.4	---	---	---
9	8.8	8.8	8.8	7.9	7.7	7.8	8.4	8.3	8.4	---	---	---
10	8.8	8.2	8.4	7.8	7.7	7.7	8.4	8.3	8.4	8.3	8.2	8.3
11	8.4	8.0	8.2	7.7	7.6	7.6	8.5	8.4	8.4	8.3	8.2	8.2
12	8.2	8.1	8.2	---	---	---	8.5	8.4	8.4	8.3	8.2	8.2
13	8.4	8.2	8.3	---	---	---	8.5	8.4	8.4	8.4	8.2	8.2
14	8.5	8.2	8.3	---	---	---	8.5	8.4	8.4	8.4	8.3	8.4
15	8.5	8.3	8.4	---	---	---	8.4	8.3	8.3	8.4	8.2	8.4
16	8.4	8.3	8.4	---	---	---	8.4	8.3	8.3	8.3	8.2	8.2
17	8.4	8.3	8.4	---	---	---	8.4	8.3	8.3	8.3	8.1	8.2
18	8.3	8.3	8.3	---	---	---	8.4	8.3	8.3	8.2	8.1	8.2
19	8.3	8.3	8.3	---	---	---	8.4	8.3	8.3	8.3	8.2	8.2
20	8.3	8.2	8.2	---	---	---	8.4	8.2	8.3	8.4	8.2	8.3
21	8.2	8.2	8.2	---	---	---	8.4	8.2	8.3	8.4	8.1	8.3
22	8.2	8.1	8.1	---	---	---	8.2	8.1	8.2	8.3	8.0	8.1
23	8.1	8.1	8.1	8.2	8.0	8.1	8.2	8.2	8.2	8.2	8.0	8.1
24	8.1	8.0	8.1	8.3	7.8	8.1	8.2	8.2	8.2	8.1	8.0	8.0
25	8.0	8.0	8.0	8.2	8.0	8.2	8.2	8.1	8.2	8.1	8.0	8.0
26	8.1	8.0	8.0	8.1	7.8	7.9	8.1	8.1	8.1	8.1	8.0	8.0
27	8.0	7.9	8.0	---	---	---	8.1	8.1	8.1	8.1	8.0	8.0
28	8.0	7.9	8.0	---	---	---	8.1	8.0	8.1	8.1	8.0	8.1
29	---	---	---	8.2	8.0	8.1	8.1	8.0	8.0	8.2	8.1	8.1
30	---	---	---	8.4	8.1	8.3	8.0	7.9	8.0	8.2	8.2	8.2
31	---	---	---	8.4	8.4	8.4	---	---	---	8.4	8.1	8.3

ARKANSAS RIVER BASIN

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.4	8.3	8.3	8.4	8.2	8.3	---	---	---	8.8	8.5	8.7
2	8.4	8.3	8.3	8.4	8.2	8.3	---	---	---	8.8	8.6	8.7
3	8.4	8.2	8.3	8.4	8.2	8.3	8.5	8.2	8.4	8.7	8.6	8.7
4	8.4	8.3	8.3	8.5	8.0	8.2	8.5	8.2	8.4	8.8	8.6	8.7
5	8.4	8.3	8.3	8.6	7.8	8.3	8.6	8.2	8.4	8.7	8.4	8.6
6	8.4	8.3	8.3	8.5	8.1	8.3	8.4	8.2	8.3	8.6	8.4	8.6
7	8.4	8.2	8.3	8.7	8.1	8.3	8.4	8.1	8.3	8.6	8.4	8.5
8	8.4	8.2	8.3	8.7	8.2	8.5	8.4	8.1	8.3	8.7	8.6	8.6
9	8.4	8.2	8.3	8.4	8.1	8.2	8.4	8.1	8.3	8.8	8.6	8.6
10	8.5	8.3	8.3	8.5	8.2	8.4	8.4	8.1	8.3	8.8	8.6	8.7
11	8.6	8.4	8.4	8.5	8.3	8.4	8.4	8.1	8.3	8.8	8.6	8.7
12	8.6	8.4	8.4	8.5	8.3	8.4	8.4	8.1	8.3	8.8	8.7	8.7
13	8.4	7.7	8.0	8.4	8.3	8.4	8.5	8.1	8.2	8.8	8.6	8.7
14	7.9	7.8	7.8	8.5	8.2	8.3	8.4	8.0	8.1	8.8	8.6	8.7
15	8.3	7.8	7.9	8.4	8.1	8.2	8.5	8.0	8.2	8.7	8.1	8.2
16	8.2	7.9	8.1	8.5	8.1	8.3	8.4	8.1	8.3	8.2	8.0	8.1
17	8.1	7.7	7.7	8.5	8.2	8.3	8.7	8.1	8.4	8.2	8.1	8.1
18	7.8	7.5	7.6	8.4	8.2	8.3	8.6	8.2	8.4	8.2	8.1	8.2
19	7.9	7.6	7.7	8.4	8.2	8.3	8.6	8.1	8.3	8.4	8.2	8.3
20	8.0	7.9	8.0	8.4	8.2	8.4	8.3	7.5	8.2	8.6	8.4	8.5
21	8.0	7.8	7.9	8.4	8.2	8.3	8.6	8.0	8.2	8.8	8.5	8.6
22	8.1	8.0	8.0	8.4	8.2	8.3	8.5	7.7	8.0	8.8	8.6	8.8
23	8.0	7.9	7.9	8.4	8.1	8.3	7.9	7.7	7.8	8.8	8.7	8.8
24	8.0	7.8	7.9	---	---	---	7.7	7.6	7.7	8.9	8.7	8.9
25	8.2	7.8	8.0	---	---	---	8.1	7.6	7.7	8.9	8.8	8.8
26	8.3	8.1	8.2	---	---	---	8.5	7.9	8.2	8.9	8.8	8.8
27	8.3	8.2	8.3	---	---	---	8.4	8.2	8.3	8.9	8.8	8.9
28	8.5	8.2	8.3	---	---	---	8.5	8.3	8.4	9.0	8.8	8.8
29	8.5	8.4	8.4	---	---	---	8.4	7.7	7.8	9.0	8.6	9.0
30	8.5	8.3	8.4	---	---	---	8.5	7.7	8.1	9.0	8.9	9.0
31	---	---	---	---	---	---	8.6	8.2	8.4	---	---	---

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.0	17.4	19.9	17.9	14.9	16.4	7.5	3.3	5.3	15.0	11.4	13.2
2	22.8	12.3	17.0	14.9	10.4	12.1	7.5	3.9	5.6	13.9	9.7	12.5
3	22.8	12.5	17.4	10.4	8.4	9.6	7.6	3.6	5.4	9.7	7.1	8.2
4	24.8	17.3	20.5	12.6	6.7	9.5	7.9	3.8	5.8	7.1	4.7	5.8
5	22.2	16.9	19.8	13.1	8.5	10.8	9.9	5.9	7.8	4.7	-0.1	1.8
6	20.2	17.8	19.0	15.1	10.3	12.6	9.6	8.0	8.8	0.0	-0.1	-0.1
7	21.9	17.8	19.3	16.1	11.4	13.7	10.5	6.8	8.6	0.3	-0.1	0.0
8	24.7	17.1	20.6	16.6	12.2	14.1	10.1	7.2	8.5	2.7	-0.1	1.0
9	22.0	18.5	20.3	16.0	11.7	13.6	10.6	6.7	8.5	6.4	2.3	4.3
10	20.1	16.5	18.0	15.4	11.7	13.1	9.7	6.6	8.1	6.8	4.9	5.9
11	16.5	15.2	15.8	13.1	8.6	10.1	9.4	5.6	7.4	6.1	4.4	5.1
12	17.8	13.7	15.6	10.5	7.9	8.9	10.3	6.3	8.0	7.2	4.3	5.8
13	19.0	14.6	16.5	9.0	7.1	8.1	7.8	4.8	6.3	6.2	4.1	5.2
14	17.5	12.6	15.1	10.1	8.2	9.2	6.3	2.7	4.3	4.6	2.2	3.4
15	20.0	12.8	15.8	11.1	9.4	10.2	4.9	1.4	3.1	2.2	0.4	1.1
16	19.2	12.2	15.4	13.8	11.1	12.4	7.1	2.6	4.5	0.4	-0.1	0.1
17	17.2	12.7	15.2	15.1	13.8	14.5	7.8	3.3	5.4	0.6	-0.1	0.2
18	21.5	14.0	17.4	14.6	14.1	14.3	8.6	4.7	6.4	1.7	0.0	0.8
19	18.4	15.6	16.2	14.2	13.4	13.9	7.1	4.1	5.5	3.0	1.3	2.1
20	20.7	15.0	17.2	13.4	12.4	13.0	8.1	3.0	5.3	4.8	2.7	3.7
21	22.2	14.3	18.3	12.4	10.6	11.3	6.8	4.4	5.5	5.8	4.0	5.0
22	20.7	18.5	20.0	10.8	10.2	10.5	4.6	-0.1	2.4	5.7	4.0	5.1
23	21.6	15.4	18.2	11.3	10.2	10.9	-0.1	-0.1	-0.1	4.0	2.2	3.0
24	21.2	13.3	17.1	10.2	8.0	8.8	0.1	-0.1	-0.1	4.0	1.7	2.9
25	20.4	16.6	18.5	9.2	6.5	7.9	0.1	-0.1	0.0	6.2	3.4	4.8
26	22.2	18.8	20.3	11.2	7.7	9.4	3.7	-0.1	1.3	7.4	5.5	6.4
27	20.9	18.8	19.9	10.9	8.4	9.7	5.8	1.6	3.6	6.8	5.3	5.9
28	23.5	19.8	21.2	8.7	7.0	8.0	9.6	3.8	6.5	5.3	3.7	4.4
29	24.2	18.5	21.2	8.2	6.0	7.5	10.1	6.3	8.2	4.1	3.2	3.6
30	19.4	14.8	17.2	7.4	4.7	5.8	14.5	9.3	11.5	3.9	3.4	3.6
31	16.7	14.4	15.7	---	---	---	14.2	9.7	11.9	4.1	3.3	3.7
FEBRUARY			MARCH			APRIL			MAY			
1	4.4	3.8	4.1	9.6	8.0	8.6	17.6	11.2	14.1	15.7	13.6	14.6
2	4.9	3.4	4.2	10.1	6.8	8.5	19.2	10.8	14.8	15.0	13.3	14.1
3	6.7	3.0	4.8	11.9	8.3	10.1	19.9	12.9	16.2	14.3	13.0	13.7
4	8.0	4.5	6.2	14.0	10.4	12.1	21.9	13.6	17.4	14.4	12.7	13.4
5	8.3	5.7	7.0	13.8	11.7	12.8	21.4	16.1	18.4	---	---	---
6	8.3	7.5	7.9	14.1	11.9	13.0	17.8	14.2	15.5	---	---	---
7	8.1	6.3	7.1	13.9	12.3	12.9	17.7	12.8	15.1	---	---	---
8	6.3	4.8	5.6	12.7	10.5	11.8	18.1	14.2	16.2	---	---	---
9	5.9	2.8	4.4	12.8	10.3	11.6	19.5	15.4	17.4	---	---	---
10	7.2	3.3	5.2	12.7	9.9	11.4	20.6	17.3	18.8	29.3	20.7	24.5
11	8.4	5.3	6.8	13.5	10.0	11.8	19.9	16.9	18.3	28.6	22.2	24.9
12	8.9	7.5	8.1	15.1	11.1	13.1	17.8	14.0	16.1	25.3	21.2	23.1
13	11.6	8.8	10.0	13.9	10.8	12.1	17.7	14.4	16.2	23.6	19.2	21.4
14	11.6	8.9	10.3	12.0	10.3	11.2	19.2	15.1	17.1	27.4	19.5	22.9
15	12.1	9.9	10.9	11.3	8.8	9.9	20.5	16.3	18.4	23.0	19.3	20.4
16	10.7	8.1	9.1	9.9	8.0	8.9	20.9	17.4	19.1	24.4	17.4	20.4
17	9.0	7.0	8.1	11.5	7.7	9.6	21.3	18.0	19.6	25.6	17.5	21.3
18	8.4	7.1	7.9	13.1	9.1	11.1	20.5	18.2	19.4	22.7	21.0	21.9
19	9.3	7.7	8.3	13.2	10.3	11.8	20.2	18.4	19.3	25.2	21.6	23.3
20	12.7	9.2	10.9	14.6	10.6	12.7	24.7	18.6	21.1	29.3	23.7	26.3
21	12.2	10.5	11.0	15.8	13.2	14.4	25.7	19.8	22.3	31.0	25.7	28.2
22	10.5	9.1	9.9	14.5	10.6	12.6	22.0	17.4	19.9	32.0	25.2	28.4
23	9.1	7.5	8.2	11.1	9.4	10.2	20.8	14.1	17.3	30.3	25.2	27.6
24	9.1	6.4	7.7	12.6	9.2	10.8	20.1	13.2	16.6	32.0	23.9	27.4
25	9.6	7.0	8.4	11.9	10.4	11.2	21.1	14.6	17.5	27.1	23.1	25.1
26	10.6	8.9	9.7	11.1	9.1	10.1	21.8	13.7	17.6	24.9	19.6	22.5
27	10.4	9.4	10	13.0	8.3	10.3	23.0	14.9	18.7	22.3	19.6	20.9
28	11.0	8.5	9.8	16.5	9.2	12.7	21.7	16.2	18.9	26.8	17.8	21.9
29	---	---	---	17.7	12.8	15.2	18.1	12.1	14.6	26.8	20.5	23.3
30	---	---	---	19.4	12.8	15.9	19.5	9.6	13.8	27.2	21.2	23.7
31	---	---	---	18.8	13.5	15.5	---	---	---	26.3	21.5	23.1

ARKANSAS RIVER BASIN

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.1	20.2	24.3	29.7	25.3	27.8	32.7	21.2	26.7	32.3	24.9	28.4
2	30.4	22.1	25.9	30.7	25.4	27.7	33.8	22.8	28.1	31.8	24.9	28.1
3	26.5	22.9	24.5	31.9	25.8	28.6	32.9	24.7	28.5	31.0	24.1	27.2
4	30.9	21.9	25.6	29.7	23.4	26.8	32.0	24.9	28.1	30.0	23.9	26.7
5	27.9	22.1	24.6	29.6	25.2	27.4	31.4	23.8	27.3	29.7	23.1	26.1
6	31.3	22.5	26.7	30.9	26.4	28.4	32.7	24.0	28.0	30.2	21.8	25.7
7	31.9	23.1	27.3	29.8	26.6	28.2	32.9	25.4	28.5	29.7	22.7	25.9
8	33.2	23.8	28.0	30.1	25.3	27.9	33.3	24.2	28.0	30.6	23.4	26.5
9	30.9	23.9	26.9	29.8	27.1	28.5	33.1	23.9	28.0	29.8	22.3	25.7
10	27.4	22.1	24.8	29.6	26.8	28.3	33.9	24.5	28.6	29.4	21.7	25.1
11	28.3	21.5	24.9	30.4	27.4	28.9	33.2	24.5	28.4	26.6	22.6	24.4
12	29.9	23.3	25.6	31.1	28.1	29.5	32.8	24.5	27.7	28.4	22.3	24.9
13	24.8	21.8	23.3	31.3	28.1	29.7	30.7	24.5	26.6	31.2	22.8	26.4
14	27.1	22.0	24.2	32.1	27.4	29.7	25.5	23.3	24.1	26.3	22.9	24.4
15	27.8	24.0	25.7	31.5	27.8	29.7	26.5	22.2	23.8	23.5	20.7	21.4
16	28.8	25.0	26.7	33.5	27.4	30.2	26.8	23.0	24.5	22.8	20.8	21.6
17	26.9	22.7	24.8	32.8	26.6	29.6	33.0	23.7	27.4	24.3	20.4	22.4
18	27.2	24.7	25.9	33.1	26.0	29.2	33.6	25.0	28.7	25.2	23.3	24.3
19	29.1	25.7	27.3	33.5	26.1	29.4	33.3	24.8	28.2	26.9	24.3	25.6
20	29.2	26.7	28.0	33.6	26.3	29.6	32.0	24.7	27.5	29.2	25.3	27.1
21	29.0	26.6	27.8	33.8	26.0	29.7	33.2	24.1	27.9	29.2	25.7	27.5
22	28.9	26.7	27.8	35.2	27.0	30.7	30.4	25.3	27.1	29.2	24.6	26.9
23	28.8	26.7	27.8	33.9	27.6	30.3	27.2	24.7	25.8	29.2	23.9	26.5
24	28.7	26.7	27.7	33.2	25.1	28.3	30.2	26.6	28.3	29.4	24.5	26.7
25	29.0	26.7	27.8	30.5	25.0	27.5	31.5	27.4	29.4	30.0	24.1	26.8
26	29.1	26.8	28.0	27.6	21.3	24.5	33.0	27.6	30.1	27.6	23.2	25.4
27	29.1	26.7	27.9	26.5	18.8	22.3	31.0	26.7	29.0	27.6	21.2	24.2
28	29.1	26.5	27.8	29.0	17.2	23.1	32.0	24.3	27.6	27.4	20.6	24.5
29	29.5	26.4	27.9	31.1	19.3	24.9	29.9	24.4	27.0	22.7	17.2	19.8
30	30.7	26.4	28.4	32.6	20.6	26.4	31.3	25.0	27.9	21.5	17.2	19.5
31	---	---	---	33.2	21.2	26.8	32.2	24.8	28.2	---	---	---

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	11.3	7.7	9.0	7.9	6.7	7.1	14.2	12.6	13.4	9.4	7.3	8.1
2	12.4	8.0	10.1	8.3	6.9	7.7	13.7	12.6	13.1	8.3	7.1	7.6
3	12.2	7.8	9.9	8.5	7.9	8.1	13.8	12.4	13.2	---	---	---
4	10.0	6.6	8.2	---	---	---	13.7	12.4	13.0	---	---	---
5	8.4	6.7	7.7	---	---	---	12.7	11.4	12.1	---	---	---
6	8.4	7.8	8.1	---	---	---	11.8	11.2	11.5	---	---	---
7	8.6	7.5	8.0	---	---	---	12.2	11.3	11.8	---	---	---
8	8.5	7.1	7.9	---	---	---	12.5	11.5	12.0	---	---	---
9	8.5	7.3	8.0	---	---	---	12.6	11.6	12.0	---	---	---
10	9.0	7.4	8.5	11.0	9.7	10.1	12.6	11.6	12.1	---	---	---
11	8.3	7.2	7.9	12.1	9.7	11.1	13.0	11.8	12.4	---	---	---
12	9.4	8.3	9.0	12.5	11.4	11.8	12.5	11.4	11.9	12.0	11.4	11.8
13	9.4	8.7	9.0	12.8	11.5	12.1	13.5	11.8	12.8	12.6	11.5	12.2
14	10.0	9.0	9.5	12.7	11.4	11.9	14.5	12.2	13.1	12.8	12.4	12.6
15	9.9	8.6	9.4	12.2	11.0	11.6	13.6	12.3	12.8	14.0	12.8	13.5
16	10.2	8.9	9.6	11.0	10.0	10.5	12.8	11.6	12.3	14.6	14.0	14.4
17	10.2	9.0	9.6	10.2	9.7	9.9	12.5	11.1	11.8	14.6	14.4	14.5
18	10.0	8.3	9.2	10.0	8.2	9.1	12.2	10.9	11.5	14.7	14.2	14.5
19	10.3	8.3	9.2	9.2	8.2	8.6	12.5	10.9	11.6	14.2	13.7	14.0
20	11.1	8.5	9.6	10.2	9.2	9.7	12.3	10.7	11.6	13.7	13.0	13.5
21	11.2	7.9	9.5	10.5	10.2	10.3	12.4	10.7	11.4	13.1	12.6	12.9
22	9.1	7.7	8.3	10.9	10.3	10.6	13.9	11.1	12.2	13.3	12.6	12.9
23	10.3	8.0	8.9	10.8	10.5	10.6	13.9	13.0	13.5	14.2	13.3	13.9
24	10.1	7.7	8.9	11.9	10.8	11.4	13.1	12.5	12.8	14.4	13.7	14.1
25	9.5	7.4	8.3	12.3	11.6	11.9	12.7	12.1	12.3	13.7	12.7	13.4
26	8.3	6.5	7.4	11.9	10.8	11.4	12.3	11.0	11.9	12.9	12.5	12.7
27	7.7	6.3	6.9	11.5	10.8	11.3	11.7	10.5	11.2	13.3	12.5	12.9
28	7.3	6.0	6.6	12.2	11.4	11.9	10.8	9.4	10.3	13.9	13.1	13.5
29	7.4	6.0	6.5	12.8	11.6	12.0	10.9	8.9	9.8	14.1	13.7	13.9
30	8.3	6.3	7.3	13.5	12.8	13.1	10.2	8.1	9.0	13.9	13.7	13.8
31	8.1	6.9	7.4	---	---	---	10.3	7.9	8.8	14.0	13.7	13.8
FEBRUARY			MARCH			APRIL			MAY			
1	13.9	13.6	13.7	14.6	13.7	14.2	10.9	9.6	10.2	10.5	8.8	9.6
2	14.1	13.6	13.8	14.1	13.1	13.7	10.9	9.2	10.1	10.4	9.1	9.6
3	14.0	13.1	13.7	13.5	12.4	13.1	10.7	9.1	9.8	10.3	9.2	9.7
4	13.5	12.6	13.1	12.9	11.7	12.4	10.6	8.5	9.6	10.5	9.6	9.9
5	13.2	12.2	12.7	12.6	11.5	11.9	10.3	8.5	9.2	---	---	---
6	12.5	12.0	12.2	12.3	11.1	11.7	10.9	8.5	9.6	---	---	---
7	13.1	12.0	12.6	11.9	10.8	11.3	12.1	9.6	10.6	---	---	---
8	13.4	12.8	13.1	12.0	10.9	11.4	10.9	9.3	10.0	---	---	---
9	14.2	13.2	13.7	11.7	10.8	11.2	10.3	9.0	9.6	---	---	---
10	14.1	12.9	13.6	---	---	---	9.9	8.5	9.0	8.2	6.4	7.3
11	13.3	12.3	12.9	---	---	---	9.7	8.3	9.0	8.4	6.4	7.2
12	12.6	11.7	12.2	---	---	---	10.5	9.1	9.8	8.4	6.4	7.2
13	11.9	11.1	11.5	---	---	---	10.4	9.3	9.8	8.1	6.6	7.3
14	11.9	11.0	11.4	---	---	---	10.4	9.1	9.7	7.9	6.4	7.1
15	11.9	10.9	11.3	---	---	---	10.0	8.7	9.4	7.9	6.4	7.0
16	11.8	11.1	11.5	---	---	---	9.8	8.2	9.0	7.4	6.4	6.9
17	12.3	11.5	11.9	---	---	---	9.6	8.3	8.9	7.5	5.5	6.6
18	12.6	11.7	12.1	---	---	---	9.5	8.2	8.7	6.5	5.8	6.1
19	12.5	11.9	12.1	---	---	---	9.7	8.1	8.8	6.7	5.8	6.2
20	12.1	11.1	11.8	---	---	---	9.9	7.8	8.9	6.7	4.7	5.9
21	12.3	11.1	11.7	---	---	---	9.9	7.7	8.6	7.0	4.0	5.5
22	13.0	11.8	12.4	---	---	---	9.7	7.7	8.7	6.2	3.5	5.0
23	13.4	12.4	13.0	10.7	9.6	10.1	9.8	8.4	9.0	---	---	---
24	14.2	13.3	13.8	10.3	9.2	9.9	9.7	8.5	9.0	---	---	---
25	14.1	13.4	13.8	10.0	9.0	9.4	9.3	8.2	8.7	---	---	---
26	14.1	13.2	13.5	9.8	9.0	9.4	9.5	8.1	8.8	---	---	---
27	14.1	13.1	13.5	9.7	8.4	9.2	9.5	7.8	8.7	---	---	---
28	14.4	13.4	13.9	---	---	---	9.5	7.8	8.6	---	---	---
29	---	---	---	---	---	---	10.4	8.1	9.4	---	---	---
30	---	---	---	---	---	---	11.0	8.9	10.0	---	---	---
31	---	---	---	10.1	9.0	9.5	---	---	---	---	---	---

ARKANSAS RIVER BASIN

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.8	7.2	8.7	9.8	7.0	8.2	---	---	---	10.3	7.1	8.6
2	9.7	6.9	8.2	10.1	7.4	8.5	---	---	---	9.8	7.5	8.4
3	9.4	6.9	8.0	10.0	7.4	8.6	9.4	7.2	8.2	9.6	7.5	8.4
4	9.2	6.8	8.0	11.2	6.9	9.0	9.2	7.2	8.0	9.4	7.5	8.3
5	9.7	6.8	8.0	12.2	6.8	9.2	9.9	7.0	8.2	9.4	7.7	8.4
6	9.1	6.5	7.7	11.4	7.2	9.0	9.3	6.5	7.8	9.4	7.2	8.3
7	9.7	6.5	8.1	12.6	7.6	9.8	9.1	6.5	7.6	9.3	7.0	8.0
8	10.2	8.0	9.1	11.4	7.7	9.2	8.8	6.4	7.4	9.1	6.5	7.7
9	10.1	7.9	8.9	10.2	7.4	8.6	8.8	6.1	7.3	8.5	6.7	7.5
10	9.6	7.8	8.7	11.1	7.9	9.1	8.5	5.8	7.1	8.5	6.6	7.5
11	9.7	7.4	8.5	8.9	7.2	8.0	---	---	---	8.1	6.3	7.1
12	9.1	7.2	7.9	9.4	6.9	7.8	---	---	---	7.8	5.9	6.8
13	7.4	4.8	6.5	8.6	6.7	7.5	---	---	---	7.2	5.3	6.3
14	5.9	4.9	5.6	9.5	6.7	7.7	---	---	---	9.1	5.3	7.0
15	7.4	5.5	6.2	9.2	6.2	7.6	---	---	---	---	---	---
16	6.8	5.0	5.8	9.4	6.3	7.8	---	---	---	---	---	---
17	6.0	4.9	5.3	8.8	6.6	7.6	---	---	---	---	---	---
18	5.0	4.2	4.8	8.7	6.6	7.6	9.8	6.4	7.7	---	---	---
19	5.7	4.9	5.3	9.4	6.5	7.8	10.1	6.4	7.9	---	---	---
20	6.4	5.2	5.8	9.6	7.0	8.2	10.4	6.4	7.8	---	---	---
21	7.1	5.6	6.4	9.8	6.8	8.3	10.8	6.9	8.4	---	---	---
22	7.5	6.0	6.6	9.5	6.3	7.8	10.6	4.5	7.2	---	---	---
23	7.4	6.2	6.7	8.5	6.1	7.3	5.7	4.8	5.4	---	---	---
24	8.1	5.9	6.8	8.0	5.8	6.7	6.8	5.7	6.4	---	---	---
25	8.5	7.2	7.8	7.5	5.6	6.6	9.2	6.8	7.7	---	---	---
26	8.8	7.5	8.1	8.2	7.3	7.7	11.2	7.2	8.7	---	---	---
27	8.9	7.6	8.2	7.3	5.4	6.5	9.0	6.9	7.8	---	---	---
28	8.6	7.5	8.1	---	---	---	10.1	7.3	8.5	9.4	7.4	8.3
29	9.0	7.2	7.9	---	---	---	8.1	7.4	7.8	10.7	8.9	10
30	9.5	7.1	8.1	---	---	---	12.0	7.7	9.1	11.5	7.6	9.9
31	---	---	---	---	---	---	11.3	7.1	8.9	---	---	---

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK

LOCATION.--Lat 35°33'47", long 97°57'26", SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.13 N., R.7 W., Canadian County, Hydrologic Unit 11100301, near left downstream end of bridge on new U.S. Highway 81, 2.0 mi north of courthouse in El Reno, 2.3 mi downstream from Target Creek, and at mile 307.3.

DRAINAGE AREA.--13,042 mi² of which 4,899 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1902 to April 1908, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at site 1.1 mi upstream February 1914 to March 1934 and at site 0.1 mi upstream thereafter are contained in reports of National Weather Service. Published as Canadian River (North Fork) near El Reno 1902-4.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,295.00 ft above sea level. October 1902 to April 1908, nonrecording gage at site about 450 ft upstream at different datum. October 1937 to September 1988, gage at site 500 ft upstream and datum 4.02 ft higher.

REMARKS.--Records fair except for estimated periods which are poor. Some regulation by Fort Supply Lake (station 07236500) for period May 1942 to April 1948 and by Canton Lake (station 07238500) thereafter. U.S. Geological Survey satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 15, 1923, reached an elevation of 1,326.3 ft above mean sea level at railroad bridge 1.1 mi above station, from reports of National Weather Service.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	32	93	51	258	375	96	230	43	157	36	58
2	12	32	86	50	250	363	92	272	35	125	34	52
3	12	53	81	50	247	358	85	285	32	111	32	48
4	19	80	77	60	243	354	80	289	31	120	30	45
5	56	108	74	248	236	359	75	275	31	137	30	43
6	50	118	77	427	245	356	77	186	30	194	28	41
7	52	113	84	233	270	357	192	120	27	134	27	40
8	50	80	88	167	267	352	308	84	25	121	26	38
9	34	58	94	153	249	353	322	66	24	394	24	36
10	109	51	86	225	241	345	326	57	67	446	23	35
11	674	49	74	252	239	342	329	48	89	452	22	32
12	335	47	69	220	236	338	332	43	90	453	21	32
13	135	45	65	204	283	336	330	47	794	453	23	32
14	83	45	62	316	370	331	324	58	651	315	31	62
15	61	66	60	e642	375	337	314	83	195	159	29	1,760
16	50	190	59	e675	375	347	314	95	301	100	32	e1,520
17	43	215	57	e690	375	360	311	63	1,380	80	34	e475
18	39	768	58	e670	372	353	311	455	1,160	67	31	e535
19	35	863	56	e658	372	341	309	597	594	67	27	739
20	32	396	57	e658	374	337	248	447	499	59	24	338
21	29	739	56	e655	375	338	127	198	775	58	34	190
22	27	411	55	e530	375	340	98	e105	747	56	272	150
23	27	249	e58	e446	420	337	80	69	744	53	1,410	103
24	26	288	e56	e440	519	334	70	61	734	52	610	88
25	25	336	e54	e436	e470	327	63	51	668	46	251	80
26	25	186	e58	e434	441	323	59	47	551	44	141	73
27	28	141	61	e430	379	260	54	44	547	44	96	68
28	32	119	60	e429	388	153	52	43	537	42	75	65
29	46	107	57	e280	---	126	50	41	465	42	144	60
30	45	99	54	278	---	113	52	38	275	39	86	57
31	38	---	53	267	---	104	---	40	---	38	66	---
TOTAL	2,241	6,084	2,079	11,274	9,244	9,749	5,480	4,537	12,141	4,658	3,749	6,895
MEAN	72.3	203	67.1	364	330	314	183	146	405	150	121	230
MAX	674	863	94	690	519	375	332	597	1,380	453	1,410	1,760
MIN	12	32	53	50	236	104	50	38	24	38	21	32
AC-FT	4,450	12,070	4,120	22,360	18,340	19,340	10,870	9,000	24,080	9,240	7,440	13,680

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

MEAN	182	132	113	117	151	233	281	413	502	264	169	204
(WY)	(1987)	(1975)	(2000)	(1998)	(1994)	(1998)	(1997)	(1993)	(1949)	(1951)	(1950)	(1950)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.17	0.73	0.00	0.00
(WY)	(1953)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1953)	(1953)	(1952)	(1954)	(1952)

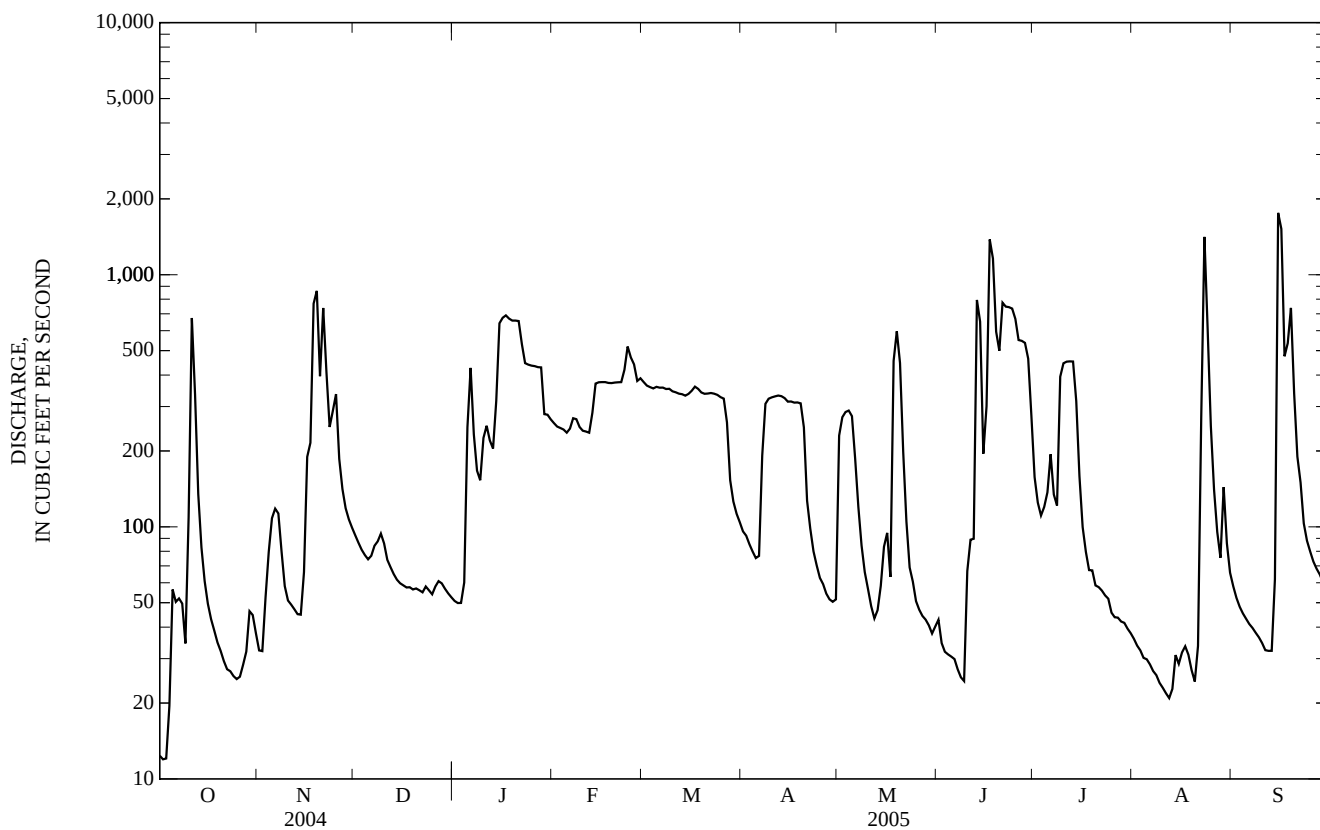
e Estimated

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	65,995		78,131		a230	
ANNUAL MEAN	180		214		807	
HIGHEST ANNUAL MEAN					31.8	
LOWEST ANNUAL MEAN					13,300	
HIGHEST DAILY MEAN	4,060	Mar 6	1,760	Sep 15	13,300	May 10, 1993
LOWEST DAILY MEAN	11	Sep 20	12	Oct 1,2,3	0.00	Oct 16, 1948
ANNUAL SEVEN-DAY MINIMUM	12	Sep 16	24	Aug 7	0.00	Jul 3, 1952
MAXIMUM PEAK FLOW			2,570	Sep 15	15,000	Oct 28, 1941
MAXIMUM PEAK STAGE			10.02	Sep 15	b22.22	Sep 21, 1965
ANNUAL RUNOFF (AC-FT)	130,900		155,000		166,700	
10 PERCENT EXCEEDS	516		467		673	
50 PERCENT EXCEEDS	58		100		59	
90 PERCENT EXCEEDS	17		32		3.3	

a Prior to regulation, 1903-07, 1938-48, 264 ft³/s.

b Present datum.



07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944-45, 1950-51, 1953, 1955-57, 1974-79, October 1991 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1954 to September 1957, May 1974 to September 1975, October 1991 to current year.

WATER TEMPERATURE: October 1954 to September 1957, May 1974 to September 1975, October 1991 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1991.

REMARKS.--Interruptions in record were due to extended periods of minimum discharge, which inhibited probe operation.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,220 microsiemens, April 16, 2005; minimum, 103 microsiemens, Mar. 17, 1998.

WATER TEMPERATURE: Maximum, 37.3°C, Aug. 23, 2002; minimum, -0.5°C, Dec. 22, 23, 24, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,220 microsiemens, Apr. 16; minimum, 156 microsiemens, Oct. 11.

WATER TEMPERATURE: Maximum, 35.4°C, July 22; minimum, -0.5°C, Dec. 22, 23, 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,470	1,420	1,430	1,010	901	967	1,420	1,360	1,390	1,370	1,310	1,340
2	1,430	1,410	1,420	1,060	944	982	1,470	1,420	1,440	1,350	1,330	1,340
3	1,440	1,420	1,430	1,140	1,020	1,080	1,510	1,470	1,490	1,370	1,350	1,360
4	1,440	1,300	1,370	1,140	1,010	1,060	1,530	1,510	1,520	1,490	1,330	1,420
5	1,340	478	735	1,250	1,120	1,200	1,550	1,510	1,530	1,440	1,010	1,180
6	1,020	500	675	1,260	1,160	1,200	1,560	1,500	1,530	1,010	754	919
7	871	535	703	1,360	1,260	1,320	1,560	1,490	1,530	867	758	813
8	553	374	430	1,380	1,360	1,370	1,560	1,510	1,530	944	799	866
9	613	508	573	1,390	1,370	1,380	1,530	1,470	1,500	1,010	944	978
10	736	183	556	1,390	1,370	1,380	1,470	1,440	1,460	1,260	1,010	1,120
11	370	156	256	1,400	1,380	1,390	1,450	1,410	1,430	1,320	1,260	1,300
12	391	298	333	1,420	1,400	1,410	1,520	1,440	1,480	1,280	1,090	1,140
13	580	341	427	1,430	1,420	1,430	1,560	1,520	1,540	1,380	1,160	1,300
14	571	428	458	1,430	1,390	1,420	1,580	1,560	1,570	1,460	1,380	1,410
15	547	462	529	1,400	843	1,260	1,600	1,580	1,590	1,510	1,460	1,490
16	692	544	605	882	623	744	1,600	1,580	1,590	1,520	1,230	1,400
17	884	692	789	839	534	727	1,620	1,590	1,600	1,520	1,140	1,270
18	1,070	884	980	537	334	435	1,620	1,580	1,610	1,540	1,490	1,520
19	1,170	1,070	1,120	540	321	430	1,620	1,590	1,610	1,520	1,250	1,290
20	1,250	1,170	1,210	395	318	374	1,620	1,590	1,600	1,260	1,230	1,250
21	1,300	1,250	1,280	386	281	347	1,610	1,580	1,590	1,300	1,230	1,260
22	1,320	1,300	1,320	724	354	520	1,630	1,600	1,610	1,250	1,220	1,240
23	1,360	1,320	1,340	828	711	769	1,660	1,550	1,600	1,260	1,240	1,250
24	1,390	1,350	1,370	791	698	743	1,700	1,630	1,660	1,280	1,250	1,260
25	1,410	1,390	1,400	831	737	783	1,720	1,590	1,640	1,260	1,240	1,250
26	1,410	1,380	1,390	887	794	823	1,670	1,590	1,620	1,270	1,250	1,260
27	1,400	1,010	1,320	1,050	887	962	1,660	1,430	1,610	1,320	1,240	1,260
28	1,310	1,100	1,250	1,140	1,050	1,090	1,470	1,400	1,440	1,250	1,230	1,240
29	1,330	1,220	1,280	1,270	1,140	1,210	1,430	1,390	1,410	1,240	1,230	1,240
30	1,330	785	1,130	1,360	1,270	1,310	1,410	1,330	1,370	1,240	1,220	1,230
31	901	785	829	---	---	---	1,360	1,330	1,350	1,230	1,220	1,220

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1,230	1,230	1,230	1,620	1,580	1,600	1,680	1,660	1,660	1,820	1,600	1,710
2	1,240	1,230	1,240	1,610	1,580	1,600	1,660	1,640	1,650	1,840	1,760	1,780
3	1,260	1,240	1,250	1,610	1,570	1,590	1,640	1,600	1,620	1,820	1,720	1,770
4	1,330	1,240	1,270	1,610	1,400	1,560	1,630	1,610	1,620	1,830	1,710	1,760
5	1,330	1,300	1,310	1,570	1,310	1,500	1,640	1,610	1,630	1,770	1,730	1,740
6	1,320	1,290	1,310	1,340	1,310	1,330	1,630	1,580	1,600	1,770	1,680	1,720
7	1,340	1,320	1,330	1,360	1,340	1,340	1,630	1,520	1,590	1,780	1,690	1,710
8	1,350	1,300	1,330	1,360	1,340	1,350	1,650	1,630	1,640	1,770	1,540	1,650
9	1,310	1,280	1,290	1,370	1,340	1,360	1,670	1,650	1,660	1,670	1,610	1,650
10	1,290	1,270	1,280	1,610	1,360	1,460	1,680	1,660	1,670	1,610	1,520	1,570
11	1,280	1,260	1,280	1,660	1,380	1,510	1,680	1,650	1,670	1,530	1,450	1,490
12	1,270	1,260	1,260	1,400	1,380	1,390	1,650	1,620	1,640	1,450	1,410	1,440
13	---	---	---	1,420	1,400	1,410	1,640	1,580	1,610	1,420	1,190	1,310
14	---	---	---	1,440	1,420	1,430	1,580	1,550	1,560	1,340	1,220	1,270
15	---	---	---	1,440	1,420	1,430	1,740	1,530	1,610	1,310	1,180	1,240
16	---	---	---	1,460	1,420	1,430	2,220	1,560	1,760	1,180	760	876
17	---	---	---	1,550	1,460	1,470	1,580	1,560	1,570	760	630	672
18	---	---	---	1,470	1,460	1,470	1,610	1,580	1,590	1,350	718	1,180
19	1,560	1,530	1,540	1,640	1,470	1,500	1,600	1,590	1,600	1,360	1,220	1,260
20	1,640	1,520	1,570	1,640	1,500	1,520	1,610	1,580	1,590	1,300	1,170	1,220
21	1,620	1,500	1,570	1,540	1,510	1,520	1,620	1,580	1,600	---	---	---
22	1,580	1,460	1,520	1,530	1,520	1,530	1,620	1,610	1,610	---	---	---
23	1,670	1,340	1,530	1,540	1,520	1,530	1,630	1,610	1,620	---	---	---
24	1,520	1,340	1,500	1,540	1,530	1,540	1,650	1,620	1,630	1,240	1,200	1,210
25	1,540	1,510	1,530	1,550	1,540	1,550	1,640	1,630	1,630	1,300	1,210	1,230
26	1,600	1,520	1,560	1,550	1,540	1,550	1,640	1,630	1,630	1,390	1,300	1,350
27	1,620	1,590	1,600	1,560	1,550	1,560	1,670	1,600	1,640	1,420	1,360	1,380
28	1,630	1,590	1,610	1,580	1,530	1,550	1,710	1,640	1,660	1,380	1,350	1,370
29	---	---	---	1,660	1,580	1,620	1,740	1,640	1,690	1,360	1,260	1,320
30	---	---	---	1,670	1,660	1,670	1,740	1,630	1,680	---	---	---
31	---	---	---	1,680	1,660	1,670	---	---	---	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	1,630	1,450	1,540	1,620	1,570	1,600	1,500	1,470	1,480	1,100	827	984
2	1,540	1,430	1,490	1,650	1,610	1,640	---	---	---	1,170	1,100	1,140
3	1,570	1,510	1,540	1,640	1,610	1,630	---	---	---	1,240	1,170	1,200
4	1,620	1,540	1,570	1,630	1,380	1,470	---	---	---	1,290	1,240	1,260
5	1,600	1,540	1,570	1,430	1,210	1,370	---	---	---	1,340	1,240	1,290
6	1,570	1,510	1,540	1,400	1,110	1,250	---	---	---	1,400	1,340	1,370
7	1,550	1,510	1,540	1,110	927	977	---	---	---	1,420	1,400	1,410
8	1,560	1,480	1,530	1,380	928	1,110	---	---	---	1,440	1,420	1,430
9	1,580	1,510	1,550	1,520	1,360	1,470	---	---	---	1,460	1,440	1,450
10	1,560	723	1,230	1,510	1,490	1,500	---	---	---	1,470	1,460	1,470
11	1,170	744	1,020	1,500	1,050	1,290	---	---	---	1,480	1,470	1,480
12	1,320	643	1,160	---	---	---	---	---	---	1,490	1,470	1,480
13	917	537	664	---	---	---	---	---	---	1,510	1,460	1,490
14	917	314	436	---	---	---	---	---	---	1,470	498	1,150
15	568	402	503	1,430	1,360	1,400	---	---	---	548	200	295
16	1,110	513	796	1,460	1,430	1,450	---	---	---	264	170	219
17	1,080	458	662	1,460	1,440	1,450	---	---	---	305	188	232
18	825	502	633	1,470	1,440	1,460	1,390	1,300	1,340	1,350	305	734
19	1,220	501	909	1,490	1,460	1,480	1,400	1,380	1,390	1,500	1,350	1,450
20	1,260	769	1,000	1,500	1,480	1,490	1,380	1,170	1,300	1,480	1,440	1,460
21	---	---	---	1,510	1,480	1,490	1,280	1,170	1,210	1,470	1,420	1,440
22	---	---	---	1,510	1,500	1,500	1,200	270	698	1,480	1,440	1,470
23	---	---	---	1,520	1,500	1,510	631	241	347	1,440	1,390	1,410
24	---	---	---	1,520	1,500	1,510	331	270	291	1,390	1,380	1,380
25	---	---	---	1,530	1,510	1,520	475	330	372	1,400	1,390	1,390
26	---	---	---	1,520	1,510	1,520	588	439	528	1,420	1,400	1,410
27	---	---	---	1,560	1,510	1,530	675	530	601	1,420	1,380	1,410
28	---	---	---	1,610	1,510	1,530	780	675	735	1,430	1,410	1,420
29	1,670	1,600	1,640	1,590	1,510	1,520	996	432	727	1,450	1,420	1,430
30	1,600	1,540	1,560	1,530	1,500	1,520	617	416	480	1,460	1,410	1,440
31	---	---	---	1,540	1,480	1,500	827	617	731	---	---	---

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.8	17.3	19.8	18.2	15.1	16.4	6.5	2.8	4.7	14.3	11.5	12.8
2	23.2	12.9	17.3	15.1	10.4	12.4	6.5	3.3	4.9	13.8	9.8	12.5
3	22.9	13.0	17.3	10.4	8.3	9.5	6.4	3.0	4.6	9.8	7.0	8.1
4	23.7	17.1	20.0	11.4	6.6	9.0	6.5	3.1	4.9	7.0	4.5	5.6
5	21.9	17.2	19.6	12.5	8.2	10.4	9.0	5.6	7.2	4.5	-0.1	1.7
6	20.1	17.3	18.3	14.1	9.6	12.0	9.0	7.5	8.4	-0.1	-0.4	-0.4
7	20.8	17.4	18.7	15.0	10.8	13.0	9.5	6.4	8.0	0.0	-0.4	-0.3
8	23.9	16.9	20.0	15.6	11.7	13.5	9.6	6.8	8.2	1.9	-0.4	0.5
9	20.8	18.0	19.5	15.2	11.4	13.1	9.6	6.2	8.0	5.6	1.8	3.6
10	19.4	15.7	17.5	14.5	11.4	12.7	8.8	6.2	7.5	6.9	4.9	5.8
11	15.7	15.0	15.5	12.9	8.3	9.9	8.4	5.1	6.8	6.0	4.4	4.9
12	17.0	13.8	15.3	10.1	7.5	8.6	9.3	5.8	7.3	6.8	4.3	5.6
13	18.2	14.0	15.9	8.8	7.0	8.0	7.1	4.4	5.7	5.9	3.9	5.0
14	16.7	12.4	14.6	9.6	8.1	8.9	5.3	2.0	3.6	4.3	2.2	3.1
15	19.1	12.5	15.2	10.9	9.3	10.0	4.0	0.9	2.5	2.2	0.2	0.9
16	18.4	12.3	15.0	13.3	10.6	12.0	6.4	2.6	4.1	0.2	-0.4	-0.2
17	16.8	12.9	14.9	14.6	13.3	14.1	6.7	2.7	4.7	0.3	-0.4	-0.2
18	20.8	13.9	16.9	14.2	13.6	13.8	7.6	4.1	5.7	1.5	-0.4	0.4
19	17.4	15.3	15.9	13.8	13.0	13.6	6.3	3.5	4.8	2.6	0.9	1.7
20	20.4	14.8	16.9	13.1	12.2	12.8	7.1	2.6	4.7	4.5	2.2	3.3
21	21.2	14.3	17.8	12.2	10.3	10.8	6.3	4.0	5.2	5.9	3.7	4.7
22	20.5	18.4	19.7	10.4	9.9	10.2	4.4	-0.5	2.1	5.4	3.7	4.8
23	21.1	15.5	17.9	11.0	10.1	10.6	0.3	-0.5	-0.3	3.7	2.2	2.9
24	20.3	13.4	16.7	10.1	7.5	8.5	0.5	-0.5	-0.3	3.9	1.7	2.8
25	19.9	16.9	18.4	8.5	6.3	7.5	1.2	-0.4	-0.2	5.9	3.2	4.5
26	21.7	18.5	19.9	10.5	7.3	8.9	2.0	-0.4	0.2	7.1	5.2	6.1
27	20.8	18.6	19.7	10.2	8.0	9.2	5.4	0.7	3.0	6.5	5.3	5.8
28	22.7	19.5	20.7	8.5	6.5	7.6	8.6	3.7	5.9	5.3	3.7	4.4
29	23.4	18.4	20.8	7.9	5.8	7.2	9.4	6.0	7.9	3.7	3.2	3.5
30	18.4	14.5	16.7	6.7	4.5	5.4	13.5	9.0	10.9	3.6	3.0	3.2
31	16.5	14.6	15.6	---	---	---	13.2	9.5	11.3	3.8	2.9	3.4
FEBRUARY			MARCH			APRIL			MAY			
1	4.1	3.5	3.8	9.2	7.8	8.4	17.2	10.9	14.0	16.5	13.1	14.5
2	4.8	3.1	4.0	10.1	6.6	8.4	18.8	10.7	14.6	14.7	13.0	13.7
3	6.1	2.7	4.4	11.7	8.2	9.9	19.5	12.5	15.9	13.8	12.5	13.2
4	7.5	4.1	5.8	13.8	10.0	11.7	21.4	13.3	17.2	14.0	12.3	13.0
5	7.9	5.4	6.7	13.7	11.5	12.7	21.4	16.0	18.4	15.7	13.2	14.3
6	8.0	7.2	7.6	13.8	11.9	12.9	18.1	14.1	15.5	20.8	14.3	17.3
7	8.0	6.1	6.9	14.1	12.0	13.0	18.2	12.5	15.1	19.5	17.4	18.5
8	6.1	4.7	5.4	12.7	10.2	11.6	18.0	14.1	16.1	24.7	17.2	20.3
9	5.6	2.6	4.2	13.0	10.3	11.6	19.5	15.3	17.2	26.7	18.5	22.3
10	6.6	3.1	4.9	12.6	9.7	11.3	20.1	17.0	18.3	29.2	20.6	24.4
11	8.0	5.0	6.5	13.3	9.9	11.7	19.0	17.0	18.1	28.7	22.0	25.0
12	8.6	7.1	7.7	15.2	11.1	13.1	17.9	14.4	16.2	24.5	21.1	22.6
13	11.8	8.5	9.9	13.8	10.8	12.1	17.7	14.3	16.1	23.9	19.1	21.4
14	11.6	8.9	10.3	11.9	10.1	11.1	19.3	14.7	16.9	26.8	18.8	22.5
15	12.1	9.7	10.8	11.1	8.9	9.8	20.5	15.9	18.1	23.0	18.8	19.8
16	10.7	8.0	9.1	9.9	8.1	8.9	20.6	17.2	18.9	23.9	17.3	20.2
17	8.9	6.9	7.9	11.3	7.7	9.4	21.5	17.8	19.6	26.2	17.7	21.6
18	8.2	6.8	7.6	13.0	8.8	10.8	20.3	18.2	19.3	22.8	20.6	21.8
19	8.7	7.4	8.0	13.0	10.0	11.6	20.2	18.1	19.1	25.0	21.4	23.0
20	12.6	8.7	10.5	14.5	10.4	12.5	23.8	18.2	20.6	28.2	23.6	25.6
21	11.7	10.2	10.8	15.7	13.0	14.2	24.8	19.4	21.9	---	---	---
22	10.2	9.1	9.8	14.4	10.7	12.6	22.0	17.2	19.7	---	---	---
23	9.1	7.1	8.1	11.1	9.4	10.2	20.7	13.9	17.2	---	---	---
24	8.7	6.2	7.4	12.5	9.2	10.7	19.4	13.0	16.3	30.1	24.2	26.7
25	9.3	6.6	8.0	11.9	10.2	11.0	20.8	14.2	17.3	27.3	23.0	24.7
26	10.2	8.4	9.2	10.7	9.0	9.8	21.5	13.5	17.4	24.6	19.7	22.2
27	10.1	9.1	9.6	12.3	8.1	10.0	22.8	14.6	18.5	21.7	19.5	20.7
28	10.7	8.1	9.4	16.1	8.9	12.4	21.9	16.3	19.1	26.2	17.6	21.6
29	---	---	---	17.3	12.4	14.9	18.4	12.1	14.6	26.0	20.7	23.0
30	---	---	---	19.1	12.8	15.9	20.2	9.7	14.4	26.3	21.0	23.2
31	---	---	---	18.2	13.3	15.4	---	---	---	26.5	21.3	22.8

ARKANSAS RIVER BASIN

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.8	20.2	23.8	29.4	25.4	27.6	33.3	23.9	28.3	32.1	24.4	28.1
2	30.5	22.1	26.0	30.7	25.0	27.6	33.8	24.9	28.9	31.6	24.8	27.9
3	26.9	23.0	24.7	32.1	25.3	28.5	33.1	25.0	28.8	31.1	24.1	27.3
4	31.0	21.9	25.6	29.5	23.2	26.7	30.3	25.2	27.5	30.7	24.1	27.0
5	25.8	22.0	23.9	29.7	25.0	27.4	31.6	23.6	27.2	30.1	23.1	26.3
6	30.6	22.0	26.1	30.3	25.9	28.0	32.9	24.2	28.0	30.4	22.2	25.9
7	32.3	23.3	27.5	29.4	26.1	27.8	32.6	25.2	28.3	30.0	23.0	26.3
8	33.8	24.0	28.4	31.7	25.0	28.1	32.6	24.2	27.6	30.6	23.5	26.7
9	29.5	24.0	26.3	29.8	26.8	28.3	31.1	23.6	27.0	29.9	22.5	25.9
10	25.9	21.7	23.9	29.9	26.6	28.2	31.3	23.1	27.4	29.2	21.9	25.4
11	28.1	19.1	24.1	30.5	27.1	28.6	31.2	23.3	27.2	26.9	23.0	24.7
12	29.5	20.6	25.1	31.3	27.8	29.3	30.7	24.0	26.4	29.1	22.6	25.3
13	25.8	20.1	22.4	31.0	27.2	29.1	28.7	23.3	25.0	31.6	23.2	26.8
14	25.7	21.8	23.7	31.1	25.8	29.0	25.4	22.8	23.9	26.5	22.3	24.0
15	27.7	23.6	25.3	30.7	27.2	29.1	25.9	22.1	23.5	22.3	20.8	21.3
16	28.5	24.4	26.3	33.1	26.9	29.8	26.2	22.6	24.0	22.5	20.3	21.3
17	26.5	21.1	23.5	33.0	26.5	29.6	33.0	23.3	27.3	23.8	20.7	22.2
18	26.8	24.3	25.4	32.8	25.8	29.1	33.7	24.9	28.9	25.4	23.2	24.2
19	28.6	25.3	26.8	33.0	25.9	29.3	34.1	24.9	29.1	26.8	24.2	25.3
20	29.2	26.2	27.6	34.0	26.1	29.7	34.1	25.4	28.9	28.8	25.1	26.8
21	28.7	26.4	27.5	34.2	25.9	29.8	32.8	24.2	28.1	29.5	25.5	27.4
22	28.9	26.4	27.6	35.4	26.7	30.8	28.3	24.1	25.9	29.3	24.6	26.9
23	28.9	26.4	27.6	34.7	27.4	30.8	28.1	24.3	25.7	28.9	24.1	26.5
24	28.9	26.4	27.6	33.6	26.4	29.9	29.5	26.1	27.6	29.0	24.4	26.6
25	29.1	26.6	27.7	32.0	25.8	28.8	31.2	27.1	29.0	29.8	24.1	26.8
26	28.5	26.7	27.6	27.8	23.7	25.7	32.6	27.1	29.7	27.8	23.6	25.6
27	29.2	26.6	27.8	28.6	20.9	24.6	30.4	26.6	28.6	27.5	21.0	24.2
28	29.2	26.3	27.7	30.6	20.1	25.1	31.7	24.0	27.3	27.5	21.4	24.6
29	29.4	26.3	27.8	31.6	21.7	26.4	29.3	25.0	27.0	22.7	17.3	20.0
30	30.8	26.2	28.3	32.8	23.2	27.6	31.0	24.4	27.4	22.2	17.5	19.7
31	---	---	---	33.3	23.7	28.2	31.4	24.4	27.7	---	---	---

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK

LOCATION.--Lat 35°32'22", long 97°44'32", SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.12 N., R.5 W., Canadian County, Hydrologic Unit 11100301, near left downstream end of bridge on new State Highway 4, 2.2 mi north of State Highway 66, 2.9 mi downstream from Shell Creek, and at mile 292.0.

DRAINAGE AREA.--13,183 mi² of which 4,899 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1943 to September 1999 (discharge measurements only), October 1999 to current year.

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,247.66 ft above NGVD of 1929.

REMARKS.--Records fair. Some regulation by Fort Supply Lake (station 07236500) for period May 1942 to April 1948 and by Canton Lake (station 07238500) thereafter. U.S. Geological Survey's satellite telemeter at station.

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

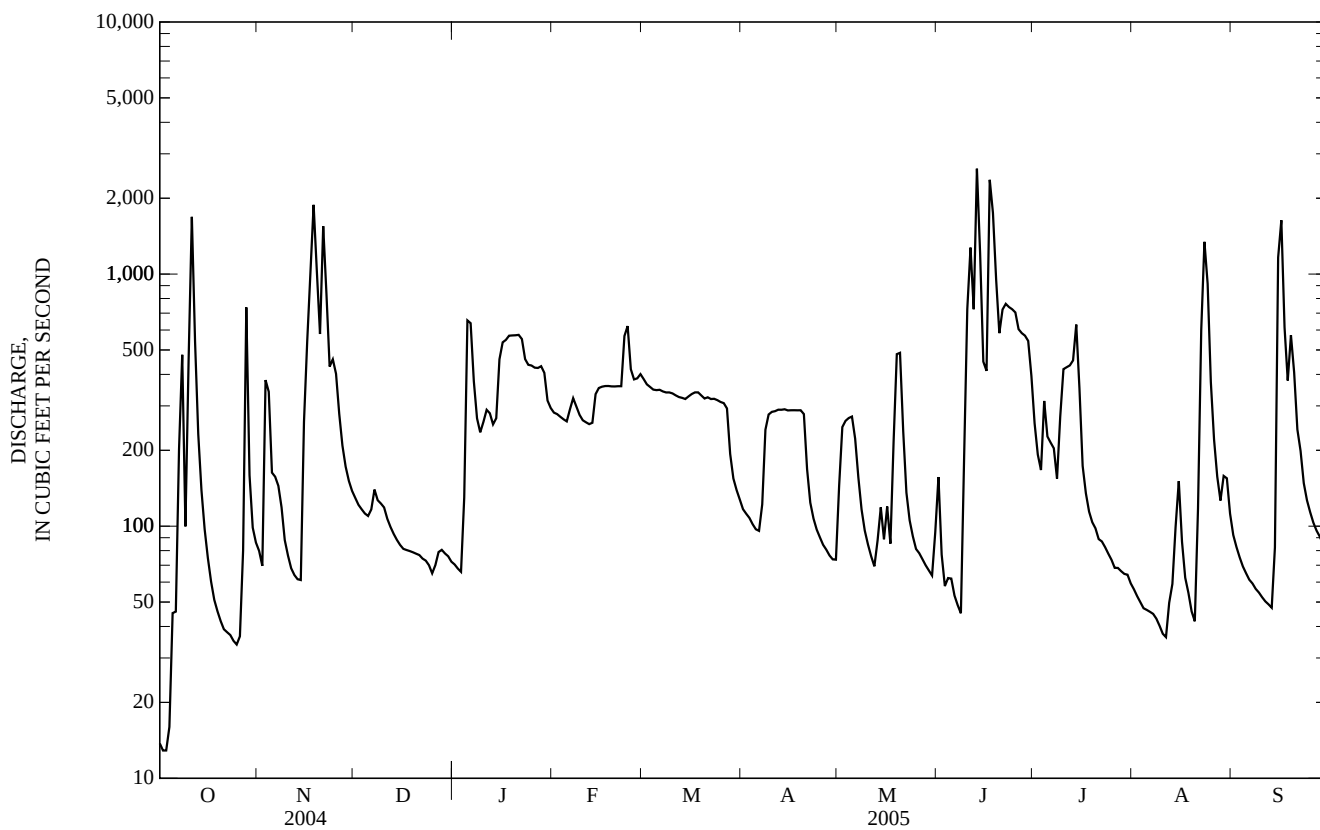
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	80	129	70	282	383	117	144	157	256	56	92
2	13	70	122	68	278	365	112	247	77	192	53	83
3	13	380	117	66	272	357	108	262	58	167	50	75
4	16	341	112	130	265	348	102	268	62	314	47	69
5	45	163	110	655	260	346	97	272	62	227	47	65
6	46	157	117	639	291	347	96	222	53	215	46	61
7	202	145	140	376	322	342	122	156	49	204	45	59
8	479	119	127	268	298	339	241	117	45	154	43	56
9	100	88	123	236	276	339	277	96	185	272	40	55
10	459	76	119	259	263	336	284	85	727	420	37	52
11	1,690	68	107	289	258	330	286	76	1,270	427	36	50
12	540	64	99	280	254	325	290	69	725	434	50	49
13	232	62	93	253	257	323	290	88	2,620	455	59	47
14	139	61	88	268	334	319	291	119	1,210	630	99	82
15	97	259	84	459	353	327	288	89	450	352	151	1,160
16	75	542	81	536	358	334	288	120	413	173	87	1,640
17	60	1,010	80	548	360	339	288	85	2,370	135	62	615
18	51	1,880	80	570	360	339	288	217	1,750	114	54	378
19	46	1,030	79	571	358	330	288	481	951	104	46	572
20	42	579	78	572	358	321	278	487	583	98	42	408
21	39	1,550	77	574	359	324	168	238	724	89	117	242
22	38	837	74	552	359	319	124	136	762	87	600	199
23	37	430	e73	460	568	320	107	106	740	83	1,340	148
24	35	459	e70	437	622	316	97	91	725	78	915	127
25	34	402	e65	434	419	311	90	81	704	74	373	114
26	37	279	70	425	382	308	84	78	605	68	221	103
27	80	209	79	424	386	293	81	74	583	68	157	96
28	738	172	81	431	401	193	77	70	570	66	126	91
29	159	151	78	406	---	155	74	67	543	65	158	85
30	99	138	76	315	---	139	74	64	395	64	155	79
31	86	---	72	294	---	128	---	95	---	59	112	---
TOTAL	5,741	11,801	2,900	11,865	9,553	9,595	5,407	4,800	20,168	6,144	5,424	6,952
MEAN	185	393	93.5	383	341	310	180	155	672	198	175	232
MAX	1,690	1,880	140	655	622	383	291	487	2,620	630	1,340	1,640
MIN	13	61	65	66	254	128	74	64	45	59	36	47
AC-FT	11,390	23,410	5,750	23,530	18,950	19,030	10,720	9,520	40,000	12,190	10,760	13,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	140	154	220	204	245	452	391	406	475	183	72.7	164
MAX	193	393	673	455	778	755	947	1,090	759	399	175	457
(WY)	(2001)	(2005)	(2000)	(2001)	(2001)	(2000)	(2000)	(2001)	(2000)	(2000)	(2005)	(2001)
MIN	42.2	21.3	19.3	24.3	24.5	45.5	116	80.9	210	32.6	6.38	9.80
(WY)	(2000)	(2004)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2003)	(2002)	(2003)	(2003)

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	84,432		100,350		259	
ANNUAL MEAN	231		275		431	
HIGHEST ANNUAL MEAN					88.4	
LOWEST ANNUAL MEAN					5,000	
HIGHEST DAILY MEAN	4,350	Mar 5	2,620	Jun 13	5,000	May 30, 2001
LOWEST DAILY MEAN	13	Oct 2	13	Oct 2,3	4.3	Aug 26, 2003
ANNUAL SEVEN-DAY MINIMUM	16	Jan 3	37	Oct 20	4.5	Aug 20, 2003
MAXIMUM PEAK FLOW			3,210	Jun 13	5,550	May 30, 2001
MAXIMUM PEAK STAGE			10.92	Jun 13	12.59	May 30, 2001
ANNUAL RUNOFF (AC-FT)	167,500		199,000		187,300	
10 PERCENT EXCEEDS	579		572		627	
50 PERCENT EXCEEDS	80		157		102	
90 PERCENT EXCEEDS	24		55		24	



07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1999 to current year.

WATER TEMPERATURE: November 1999 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1999.

REMARKS.--Interruptions in record were due to malfunction of the recording instruments.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,800 microsiemens, Mar. 20-22, 24, 28, 2005; minimum, 126 microsiemens, Sept. 19, 2002.

WATER TEMPERATURE: Maximum, 37.0°C, Aug. 6, 2003; minimum, 0.0°C, many days during winter period.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,800 microsiemens, Mar. 20-22, 24, 28; minimum, 132 microsiemens, Oct. 11.

WATER TEMPERATURE: Maximum, 35.0°C, July 22; minimum, 0.1°C, Jan. 6.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,340	1,270	1,310	828	779	804	1,290	1,210	1,250	1,410	1,390	1,400
2	1,360	1,280	1,320	932	827	880	1,340	1,290	1,310	1,410	1,390	1,400
3	1,340	1,280	1,300	933	331	648	1,370	1,340	1,360	1,410	1,390	1,400
4	1,300	1,220	1,260	660	293	453	1,400	1,370	1,390	1,410	1,090	1,310
5	1,300	599	936	1,010	660	828	1,400	1,390	1,400	1,090	430	747
6	912	581	749	1,130	1,000	1,100	1,420	1,350	1,390	769	642	708
7	825	207	577	1,260	1,110	1,180	1,360	1,290	1,340	727	663	702
8	287	176	234	1,300	1,260	1,280	1,440	1,340	1,410	766	711	729
9	449	287	351	1,310	1,300	1,300	1,420	1,380	1,400	859	766	811
10	510	134	388	1,310	1,300	1,300	1,420	1,370	1,390	998	859	918
11	283	132	190	1,330	1,310	1,320	1,370	1,330	1,350	1,220	995	1,140
12	404	263	343	1,340	1,320	1,330	1,360	1,310	1,330	1,240	1,030	1,180
13	452	368	414	1,360	1,340	1,350	1,420	1,360	1,390	1,240	1,030	1,110
14	599	452	519	1,370	1,340	1,350	1,450	1,420	1,440	1,350	1,240	1,310
15	547	496	518	1,350	417	1,060	1,460	1,450	1,450	1,440	1,350	1,400
16	607	547	588	601	342	465	1,470	1,450	1,460	1,450	1,440	1,450
17	678	606	628	601	289	377	1,470	1,450	1,460	1,510	1,450	1,460
18	818	678	746	343	236	268	1,480	1,460	1,470	1,470	1,450	1,460
19	957	818	888	496	343	451	1,480	1,470	1,480	1,470	1,450	1,460
20	1,050	957	1,010	450	392	417	1,480	1,450	1,470	1,450	1,430	1,440
21	1,140	1,050	1,090	450	218	288	1,470	1,450	1,460	1,440	1,420	1,430
22	1,170	1,140	1,150	489	261	377	1,470	1,450	1,460	1,420	1,410	1,420
23	1,220	1,160	1,190	676	489	600	1,520	1,430	1,490	1,420	1,410	1,420
24	1,250	1,220	1,230	649	533	581	1,560	1,430	1,490	1,430	1,410	1,420
25	1,280	1,250	1,260	724	594	654	1,530	1,490	1,500	1,420	1,410	1,420
26	1,280	1,230	1,260	740	682	711	1,530	1,480	1,500	1,430	1,410	1,420
27	1,300	498	1,200	861	719	785	1,540	1,450	1,500	1,430	1,410	1,420
28	498	242	298	987	861	932	1,520	1,460	1,490	1,410	1,400	1,400
29	875	361	648	1,100	987	1,040	1,480	1,440	1,470	1,400	1,390	1,400
30	1,090	875	987	1,210	1,100	1,160	1,450	1,420	1,430	1,410	1,390	1,400
31	1,130	782	983	---	---	---	1,430	1,390	1,410	1,390	1,380	1,380

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1,400	1,380	1,390	1,550	1,520	1,540	1,620	1,600	1,610	1,580	1,510	1,540
2	1,400	1,390	1,390	1,560	1,550	1,550	1,610	1,590	1,600	1,640	1,540	1,620
3	1,410	1,400	1,410	1,550	1,540	1,550	1,590	1,570	1,580	1,640	1,620	1,640
4	1,430	1,410	1,420	1,560	1,550	1,560	1,570	1,540	1,560	1,650	1,640	1,650
5	1,440	1,420	1,430	1,580	1,560	1,570	1,560	1,540	1,550	1,650	1,640	1,640
6	1,450	1,370	1,400	1,590	1,570	1,570	1,560	1,520	1,540	1,650	1,640	1,650
7	1,440	1,350	1,390	1,610	1,590	1,610	1,550	1,520	1,530	1,650	1,630	1,640
8	1,450	1,420	1,440	1,620	1,610	1,610	1,610	1,490	1,560	1,630	1,610	1,630
9	1,420	1,400	1,410	1,630	1,610	1,620	1,630	1,610	1,620	1,620	1,590	1,610
10	1,420	1,410	1,410	1,640	1,630	1,640	1,640	1,620	1,630	1,610	1,570	1,590
11	1,420	1,420	1,420	1,660	1,640	1,650	1,640	1,600	1,620	1,580	1,540	1,560
12	1,420	1,410	1,420	1,670	1,650	1,660	1,610	1,580	1,590	1,540	1,520	1,530
13	1,430	1,410	1,420	1,680	1,660	1,680	1,590	1,560	1,580	1,520	1,360	1,440
14	1,430	1,430	1,430	1,700	1,680	1,690	1,580	1,540	1,560	1,580	1,240	1,360
15	1,430	1,420	1,420	1,700	1,670	1,690	1,600	1,540	1,570	1,430	1,280	1,350
16	1,440	1,420	1,430	1,680	1,660	1,670	1,620	1,590	1,610	1,430	1,250	1,360
17	1,440	1,430	1,440	1,720	1,680	1,710	1,590	1,550	1,570	1,250	944	1,060
18	1,450	1,430	1,440	1,740	1,720	1,730	1,550	1,530	1,540	1,650	887	1,100
19	1,450	1,440	1,440	1,790	1,720	1,760	1,540	1,530	1,530	1,680	1,650	1,670
20	1,480	1,440	1,460	1,800	1,790	1,790	1,530	1,510	1,520	1,680	1,540	1,620
21	1,490	1,460	1,480	1,800	1,780	1,790	1,550	1,510	1,520	1,640	1,610	1,620
22	1,460	1,460	1,460	1,800	1,780	1,790	1,530	1,490	1,510	1,690	1,640	1,660
23	1,460	1,130	1,300	1,790	1,770	1,780	1,530	1,510	1,520	1,700	1,680	1,690
24	1,310	1,120	1,230	1,800	1,780	1,790	1,540	1,510	1,530	1,690	1,660	1,680
25	1,420	1,310	1,380	1,790	1,780	1,780	1,540	1,520	1,530	1,660	1,620	1,640
26	1,460	1,420	1,430	1,790	1,770	1,780	1,530	1,520	1,520	1,640	1,580	1,600
27	1,490	1,460	1,480	1,770	1,760	1,770	1,540	1,520	1,530	1,590	1,530	1,560
28	1,520	1,480	1,490	1,800	1,760	1,780	1,540	1,520	1,530	1,570	1,540	1,550
29	---	---	---	1,760	1,710	1,740	1,520	1,500	1,510	1,580	1,560	1,570
30	---	---	---	1,710	1,660	1,690	1,510	1,500	1,510	1,570	1,530	1,550
31	---	---	---	1,660	1,610	1,620	---	---	---	1,560	886	1,410
JUNE				JULY			AUGUST			SEPTEMBER		
1	1,080	711	875	1,620	1,580	1,590	---	---	---	908	721	806
2	1,310	1,080	1,220	1,580	1,560	1,570	---	---	---	1,140	908	1,040
3	1,280	765	1,040	1,570	1,560	1,560	1,460	1,440	1,450	1,210	1,140	1,170
4	1,400	786	987	1,560	1,040	1,300	1,470	1,440	1,450	1,270	1,210	1,240
5	1,440	801	1,320	1,280	1,040	1,190	1,460	1,410	1,430	1,320	1,270	1,300
6	---	---	---	1,340	1,180	1,280	1,440	1,380	1,420	1,370	1,290	1,320
7	---	---	---	1,220	979	1,110	1,440	1,250	1,380	1,420	1,370	1,390
8	---	---	---	1,090	967	1,010	1,470	1,420	1,440	1,450	1,420	1,430
9	---	---	---	1,520	1,090	1,320	1,460	1,430	1,440	1,470	1,430	1,450
10	619	302	434	1,540	1,520	1,540	1,480	1,430	1,460	1,500	1,460	1,480
11	676	211	373	1,560	1,540	1,550	1,490	1,440	1,460	1,510	1,480	1,500
12	426	219	321	1,560	1,520	1,550	1,490	1,360	1,430	1,510	1,480	1,490
13	431	170	288	1,530	1,360	1,490	1,420	1,230	1,330	1,530	1,500	1,510
14	714	427	534	1,440	643	1,160	1,300	780	1,120	1,530	1,150	1,380
15	596	453	489	1,250	762	1,080	780	499	595	1,150	251	616
16	843	571	617	1,360	1,250	1,310	1,060	613	840	299	205	266
17	946	340	544	---	---	---	1,240	1,060	1,170	224	186	202
18	819	481	610	---	---	---	1,270	1,150	1,230	353	224	272
19	646	506	557	---	---	---	1,320	1,250	1,270	889	353	732
20	951	646	775	---	---	---	1,370	1,170	1,340	962	889	921
21	1,370	951	1,170	1,450	1,430	1,440	1,190	600	843	1,000	955	976
22	1,560	1,370	1,480	1,470	1,440	1,450	713	333	560	1,110	990	1,050
23	1,600	1,560	1,580	1,470	1,440	1,460	489	304	380	1,130	1,100	1,120
24	1,620	1,600	1,610	1,480	1,440	1,460	349	304	331	1,100	1,090	1,090
25	1,620	1,590	1,610	---	---	---	428	349	388	1,090	1,080	1,080
26	1,640	1,600	1,620	---	---	---	517	428	467	1,110	1,090	1,100
27	1,650	1,630	1,640	---	---	---	592	517	547	1,140	1,110	1,120
28	1,660	1,640	1,650	---	---	---	710	592	650	1,160	1,140	1,150
29	1,650	1,630	1,640	---	---	---	894	710	770	1,180	1,160	1,170
30	1,630	1,620	1,620	---	---	---	954	583	723	1,190	1,180	1,180
31	---	---	---	---	---	---	721	583	630	---	---	---

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.8	18.8	21.0	19.0	16.6	17.5	7.8	4.3	6.1	15.2	12.6	13.9
2	22.9	14.5	18.4	16.6	12.1	14.0	7.7	4.5	6.1	14.7	11.4	13.7
3	23.3	14.6	18.6	12.1	9.5	10.7	7.6	4.4	5.9	11.4	8.5	9.7
4	25.5	18.4	21.2	11.4	8.2	9.8	7.6	4.6	6.1	8.5	6.0	7.1
5	22.3	17.0	19.9	13.3	9.0	11.1	9.7	6.6	8.1	6.0	0.7	3.1
6	20.5	17.6	19.0	14.9	10.5	12.7	10.2	8.6	9.4	0.7	0.1	0.3
7	21.7	18.3	19.1	15.7	11.6	13.6	10.5	7.6	9.1	1.1	0.2	0.6
8	22.0	18.9	20.2	16.1	12.4	14.2	10.9	7.9	9.3	2.5	0.2	1.3
9	20.7	18.7	19.8	15.7	12.2	13.8	10.8	7.6	9.2	6.3	2.5	4.3
10	19.7	16.6	18.1	15.3	12.0	13.4	9.8	7.2	8.5	8.1	5.7	6.8
11	16.6	15.8	16.3	13.8	9.5	11.0	9.6	6.3	7.9	7.5	5.3	6.0
12	17.1	14.7	15.9	11.4	8.6	9.8	10.2	7.0	8.4	8.2	5.3	6.7
13	18.4	14.9	16.5	10.1	8.5	9.4	8.2	5.8	7.0	6.9	4.8	5.8
14	17.1	13.6	15.4	11.1	9.6	10.3	6.5	3.6	5.0	5.3	2.9	3.9
15	19.0	13.5	15.8	11.3	10.5	10.8	5.2	2.2	3.8	2.9	1.2	1.9
16	18.5	13.6	15.8	13.7	11.0	12.3	7.6	3.8	5.3	1.2	0.2	0.6
17	17.4	13.9	15.7	15.2	13.7	14.6	8.0	4.2	6.1	0.9	0.2	0.5
18	21.1	15.2	17.7	15.2	14.3	14.6	8.8	5.4	6.9	2.0	0.2	1.0
19	18.6	16.3	17.0	14.3	13.8	14.1	7.4	4.9	6.0	3.2	1.3	2.2
20	21.2	15.8	17.9	13.9	13.1	13.5	8.4	4.1	6.0	5.1	2.6	3.7
21	21.9	15.9	18.9	13.3	10.8	11.3	7.7	5.4	6.5	6.4	4.3	5.3
22	21.1	19.3	20.5	11.1	10.7	10.8	5.5	1.2	3.4	6.2	4.4	5.5
23	21.6	16.9	19.0	11.8	11.1	11.4	1.2	0.2	0.4	4.4	2.8	3.7
24	21.2	14.8	17.8	11.2	8.5	9.8	2.5	0.2	0.7	4.8	2.3	3.6
25	21.2	18.4	19.6	9.1	7.1	8.2	2.9	0.5	1.2	6.6	4.0	5.2
26	22.0	19.6	20.6	11.1	8.1	9.6	5.0	0.5	2.6	7.6	5.6	6.6
27	21.2	19.4	20.3	11.1	9.1	10.1	6.8	3.4	4.9	7.2	6.1	6.5
28	21.1	19.9	20.5	9.4	7.5	8.6	9.8	5.2	7.2	6.1	4.7	5.4
29	23.4	19.9	21.3	9.1	7.4	8.6	10.5	7.4	9.0	4.9	4.3	4.5
30	19.9	16.1	17.9	7.9	5.8	6.7	14.5	10.3	12.0	4.3	3.7	3.9
31	17.3	16.0	16.8	---	---	---	14.2	10.7	12.4	4.6	3.6	4.1
FEBRUARY			MARCH			APRIL			MAY			
1	4.8	4.1	4.5	9.8	8.4	9.1	18.0	12.0	14.9	17.3	14.0	15.3
2	5.8	4.0	4.9	11.0	7.4	9.2	19.7	11.7	15.5	15.1	13.6	14.3
3	7.0	3.7	5.3	12.1	8.9	10.5	20.0	13.4	16.6	14.4	13.0	13.8
4	8.2	4.7	6.4	14.3	10.5	12.3	21.8	14.3	17.8	14.5	12.7	13.5
5	8.7	5.9	7.4	14.2	12.0	13.2	21.8	16.7	19.1	16.4	13.8	14.9
6	8.9	7.9	8.4	14.9	12.6	13.7	19.2	15.3	16.7	20.9	15.0	17.8
7	8.7	6.9	7.7	14.9	13.2	13.8	19.9	13.4	16.5	20.1	18.1	19.0
8	6.9	5.5	6.2	13.2	11.0	12.3	18.9	15.0	17.1	24.2	17.8	20.5
9	6.5	3.5	5.1	14.0	11.1	12.5	20.6	16.0	18.2	26.8	19.2	22.6
10	7.5	3.9	5.7	13.4	10.4	12.1	20.4	17.5	18.8	29.2	21.5	24.9
11	8.8	5.6	7.2	14.2	10.7	12.4	19.5	17.3	18.6	28.6	22.7	25.4
12	9.3	7.7	8.4	16.1	11.7	13.8	19.1	15.2	17.2	24.7	21.8	23.2
13	12.8	9.2	10.8	14.8	11.5	13.0	18.8	15.1	17.1	23.8	19.5	21.7
14	12.5	9.7	11.1	12.8	10.9	11.9	20.2	15.6	17.8	25.6	19.4	22.4
15	12.9	10.4	11.7	12.0	9.7	10.6	21.2	16.8	18.9	22.9	19.3	20.4
16	11.6	9.0	10	11.2	9.0	9.9	21.5	17.8	19.7	24.0	17.5	20.4
17	10.1	8.0	9.0	12.2	8.2	10.1	22.5	18.6	20.4	26.1	18.4	22.1
18	9.1	7.6	8.5	13.7	9.4	11.5	20.9	19.0	19.9	24.1	20.1	22.3
19	9.4	8.1	8.6	13.7	10.5	12.2	21.1	18.8	20.0	25.6	22.1	23.6
20	13.2	9.4	11.3	15.3	11.1	13.2	23.4	19.1	21.0	28.3	24.1	26.0
21	12.7	11.1	11.8	16.3	13.6	14.9	25.4	20.3	22.6	30.8	25.6	28.1
22	11.4	10.2	10.7	15.1	11.6	13.3	22.8	18.0	20.4	32.1	25.8	28.8
23	10.2	8.1	9.1	12.3	10.3	11.2	21.2	15.0	18.0	30.3	25.7	28.0
24	9.2	7.1	8.1	13.6	10.0	11.7	20.3	14.3	17.3	31.4	24.5	27.5
25	9.8	7.3	8.6	12.7	11.0	11.9	21.8	15.2	18.3	27.5	23.6	25.0
26	10.7	9.0	9.8	11.8	9.7	10.5	21.9	14.7	18.2	24.5	20.3	22.6
27	10.7	9.6	10.1	12.6	8.8	10.5	23.1	15.6	19.1	22.4	20.4	21.2
28	11.0	8.6	9.9	16.5	9.6	13.0	23.0	17.1	19.9	26.1	18.2	21.9
29	---	---	---	18.0	13.2	15.7	19.6	13.2	15.9	25.5	21.4	23.2
30	---	---	---	20.0	13.7	16.7	20.4	11.1	15.3	25.7	21.6	23.2
31	---	---	---	18.5	14.2	16.1	---	---	---	24.5	20.5	22.6

ARKANSAS RIVER BASIN

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.0	20.0	23.3	30.0	26.1	28.4	---	---	---	31.7	25.1	28.2
2	30.7	22.4	26.1	30.9	25.7	28.1	---	---	---	31.8	25.1	28.0
3	27.5	23.5	25.3	32.2	26.0	29.0	33.5	25.5	29.0	31.0	24.7	27.6
4	30.7	22.7	25.7	29.5	24.0	26.4	33.6	25.8	28.7	30.5	24.2	27.1
5	25.7	22.5	24.0	29.3	24.8	26.9	30.6	24.5	27.2	30.2	23.0	26.3
6	31.7	22.6	26.5	30.6	25.9	28.3	32.3	24.6	27.8	30.5	22.6	26.1
7	32.2	24.2	27.9	29.4	26.6	28.1	31.4	25.7	28.1	30.0	23.5	26.5
8	32.1	24.7	28.0	31.7	25.4	28.3	33.1	24.4	28.1	30.2	23.4	26.5
9	27.4	20.9	24.0	30.6	26.5	28.7	32.6	24.9	28.4	29.8	22.9	25.9
10	23.7	22.0	22.9	30.6	27.3	28.9	33.3	25.1	28.8	29.5	22.1	25.5
11	23.4	21.2	22.4	31.1	27.8	29.4	32.3	24.9	28.2	26.2	23.4	24.9
12	27.5	22.4	24.9	32.0	28.4	30.0	31.3	24.9	27.3	28.8	22.9	25.5
13	24.5	20.3	21.9	31.3	28.4	29.8	30.0	24.4	26.3	31.0	23.7	26.8
14	25.8	23.6	24.6	30.1	26.7	28.2	25.9	24.0	24.7	27.2	23.4	25.0
15	27.2	24.2	25.5	31.4	27.4	29.1	24.4	22.8	23.5	24.3	21.3	22.3
16	27.9	24.4	26.1	32.9	27.4	30.0	25.4	22.6	23.8	22.2	20.6	21.4
17	27.2	21.6	23.6	32.5	27.1	29.8	32.3	23.4	27.0	23.9	20.9	22.4
18	27.5	24.5	25.7	---	---	---	33.2	25.3	28.7	26.0	23.0	24.4
19	28.6	25.6	27.0	---	---	---	33.5	25.6	29.1	27.0	24.2	25.5
20	29.9	26.5	28.2	---	---	---	34.2	26.1	29.3	28.7	25.4	26.9
21	29.5	27.2	28.4	33.8	26.2	29.8	30.7	24.2	27.2	29.7	25.9	27.6
22	29.7	27.1	28.4	35.0	27.1	30.8	27.4	24.7	25.7	29.4	25.2	27.2
23	29.7	27.1	28.4	34.5	27.7	30.9	27.1	25.6	26.5	29.2	24.8	26.9
24	29.6	26.9	28.3	33.0	26.6	29.7	29.7	26.3	27.8	28.8	24.8	26.8
25	29.8	27.2	28.5	32.7	26.1	29.2	31.3	27.6	29.4	30.1	24.4	27.0
26	30.1	27.4	28.7	28.5	24.8	26.5	32.8	27.9	30.3	28.2	24.0	26.1
27	30.1	27.3	28.7	---	---	---	31.0	27.3	29.3	27.9	21.8	24.7
28	29.9	27.0	28.5	---	---	---	30.9	24.9	27.6	28.3	22.1	25.3
29	30.0	27.0	28.5	---	---	---	29.8	24.9	27.4	23.0	18.0	20.5
30	30.8	27.0	28.9	---	---	---	30.9	24.9	27.8	23.0	17.9	20.3
31	---	---	---	---	---	---	31.6	25.1	28.1	---	---	---

07240000 LAKE HEFNER CANAL NEAR OKLAHOMA CITY, OK

LOCATION.--Lat 35°33'11", long 97°37'11", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.13 N., R.4 W., Oklahoma County, Hydrologic Unit 11050002, attached to left wing wall just downstream from outlet of inverted siphon, 2,600 ft upstream from Lake Hefner, 3.0 mi northeast of Bethany, and 7.6 mi northwest of the State Capitol in Oklahoma City.

PERIOD OF RECORD.--March 1944 to current year.

REVISED RECORDS.--WDR OK-80-1: 1968-80 (Datum).

GAGE.--Water stage recorder and concrete control. Datum of gage is 1,196.06 ft above NGVD of 1929. Prior to Apr. 8, 1947, nonrecording gage at site 2.7 mi upstream at different datum. Apr. 8, 1947, to Apr. 30, 1950, water-stage recorder at site 3.0 mi upstream at different datum. May 1, 1950 to May 19, 1954, Apr. 26, 1957 to Feb. 19, 1968, at present site and datum 4.90 ft higher. May 20, 1954, to Apr. 25, 1957, water-stage recorder and concrete control at site 2,500 ft downstream at datum 2.10 ft higher than present datum.

REMARKS.--Records fair. Use of canal began in March 1944. Canal diverts water from North Canadian River just upstream from Lake Overholser (station 07240500) and delivers water to Lake Hefner, capacity, 80,600 acre-ft, for municipal water supply of Oklahoma City. Subsequent to April 1950, small ground-water seepage, when head gates are closed, included in records. U.S. Geological Survey satellite telemeter at station.

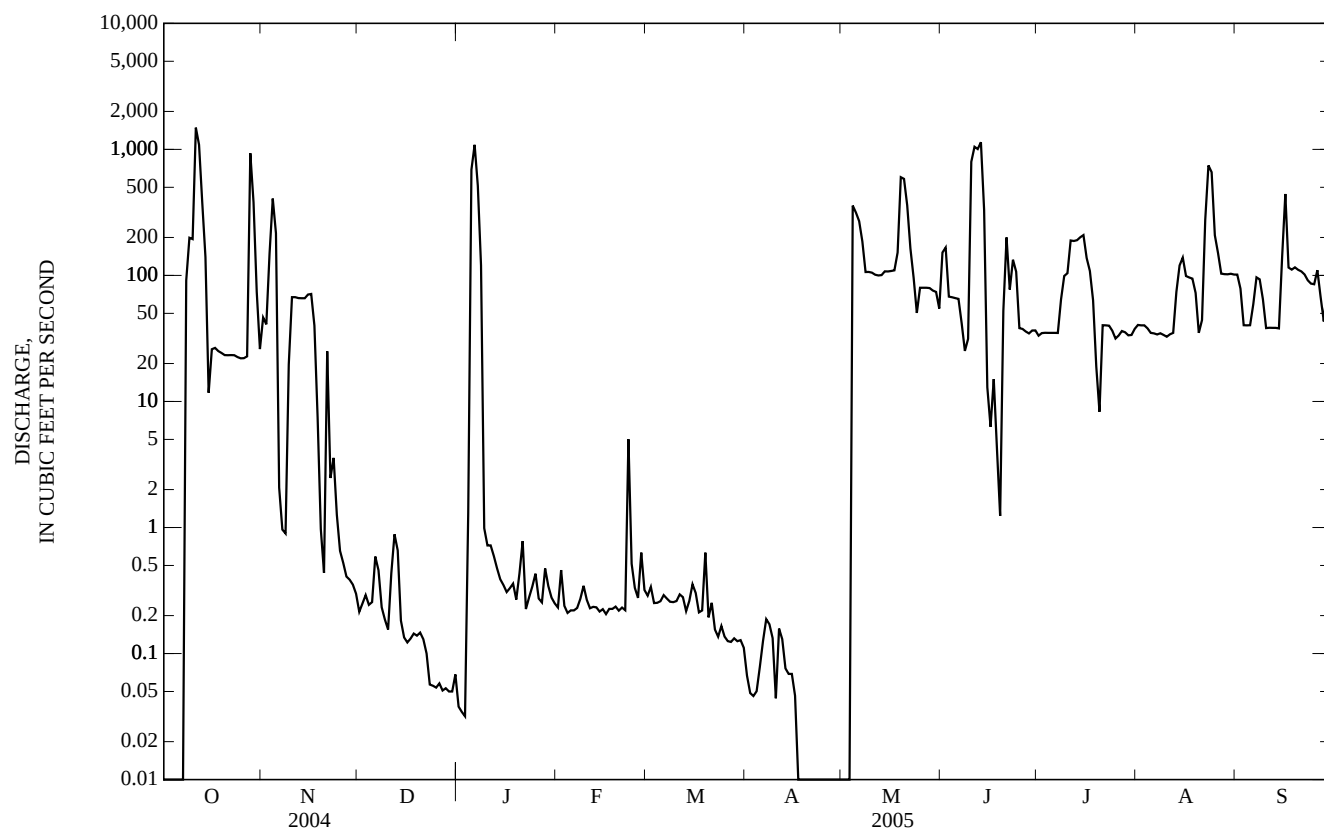
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,630 ft³/s, Dec. 17, 1999; no flow at times in each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	46	0.21	0.04	0.23	0.29	0.07	0.00	152	33	40	101
2	0.00	41	0.25	0.03	0.46	0.34	0.05	0.00	166	35	40	79
3	0.00	149	0.29	0.03	0.24	0.25	0.05	0.00	68	35	40	40
4	0.00	407	0.24	1.3	0.21	0.25	0.05	358	67	35	38	40
5	0.00	216	0.26	690	e0.22	0.26	0.08	315	66	e35	35	40
6	0.00	2.1	0.59	1,090	e0.22	0.29	0.13	269	65	35	35	59
7	0.00	0.96	0.46	514	0.23	0.27	0.19	186	42	35	34	97
8	91	0.90	0.23	120	0.27	0.26	0.17	106	25	64	35	93
9	199	20	0.19	0.99	0.34	0.26	0.13	107	31	99	34	65
10	194	67	0.16	0.72	0.27	0.26	0.04	105	797	104	33	38
11	1,490	67	0.43	0.72	0.23	0.29	0.16	101	1,050	189	34	38
12	1,090	66	0.88	0.59	0.23	0.28	0.13	100	1,010	188	35	38
13	379	66	0.66	0.47	0.23	0.22	0.08	101	1,140	190	e74	38
14	140	66	0.18	0.39	0.22	0.26	0.07	108	330	201	120	38
15	12	71	0.13	0.35	0.22	0.35	0.07	108	13	209	139	141
16	26	71	0.12	0.31	0.21	0.30	0.05	108	6.3	138	99	443
17	27	40	0.13	0.33	0.23	0.21	0.01	110	15	108	96	115
18	25	7.5	0.14	0.36	0.23	0.22	0.00	152	4.2	63	94	111
19	24	0.97	0.14	0.27	0.24	0.63	0.00	601	1.2	19	73	116
20	23	0.44	0.15	0.43	0.22	0.19	0.00	583	52	8.3	35	111
21	23	25	0.13	0.78	0.23	0.25	0.00	359	200	40	44	108
22	23	2.5	0.10	0.23	0.22	0.16	0.00	164	77	40	276	102
23	23	3.6	0.06	0.28	5.0	0.14	0.00	96	133	40	746	91
24	23	1.3	0.06	0.34	0.52	0.17	0.00	50	107	36	659	86
25	22	0.65	0.05	0.43	0.33	0.14	0.00	80	38	32	208	85
26	22	0.52	0.06	0.27	0.28	0.13	0.00	80	38	33	150	110
27	23	0.41	0.05	0.25	0.63	0.12	0.00	80	36	36	103	68
28	932	0.39	0.05	0.47	0.32	0.13	0.00	79	35	35	102	43
29	380	0.35	e0.05	0.34	---	0.13	0.00	76	37	33	102	82
30	74	0.30	e0.05	0.28	---	0.13	0.00	74	37	34	103	99
31	26	---	0.07	0.25	---	0.11	---	55	---	38	102	---
TOTAL	5,291.00	1,440.89	6.57	2,425.25	12.48	7.29	1.53	4,711.00	5,838.7	2,220.3	3,758	2,715
MEAN	171	48.0	0.21	78.2	0.45	0.24	0.05	152	195	71.6	121	90.5
MAX	1,490	407	0.88	1,090	5.0	0.63	0.19	601	1,140	209	746	443
MIN	0.00	0.30	0.05	0.03	0.21	0.11	0.00	0.00	1.2	8.3	33	38
AC-FT	10,490	2,860	13	4,810	25	14	3.0	9,340	11,580	4,400	7,450	5,390
CAL YR	2004	TOTAL	28,279.39	MEAN	77.3	MAX	1,490	MIN	0.00	AC-FT	56,090	
WTR YR	2005	TOTAL	28,428.01	MEAN	77.9	MAX	1,490	MIN	0.00	AC-FT	56,390	

e Estimated

07240000 LAKE HEFNER CANAL NEAR OKLAHOMA CITY, OK—Continued



07240200 NORTH CANADIAN RIVER AT HIGHWAY 66 AT OKLAHOMA CITY, OK

LOCATION.--Lat 35°30'52", long 97°39'48", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.12 N., R.4 W., Oklahoma County, Hydrologic Unit 11100301, on downstream left bank of old Highway 66 bridge, 2 mi upstream from Overholser dam and at mile 283.5.

DRAINAGE AREA.--13,217 mi², of which 4,899 mi² is probably non-contributing.

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

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

REMARKS.--Records fair. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,244.64 ft, June 18, 2005, minimum elevation observed, 1237.12 ft, Apr. 8, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,244.64 ft, June 18, minimum elevation observed, 1237.68, Dec. 21, 24.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

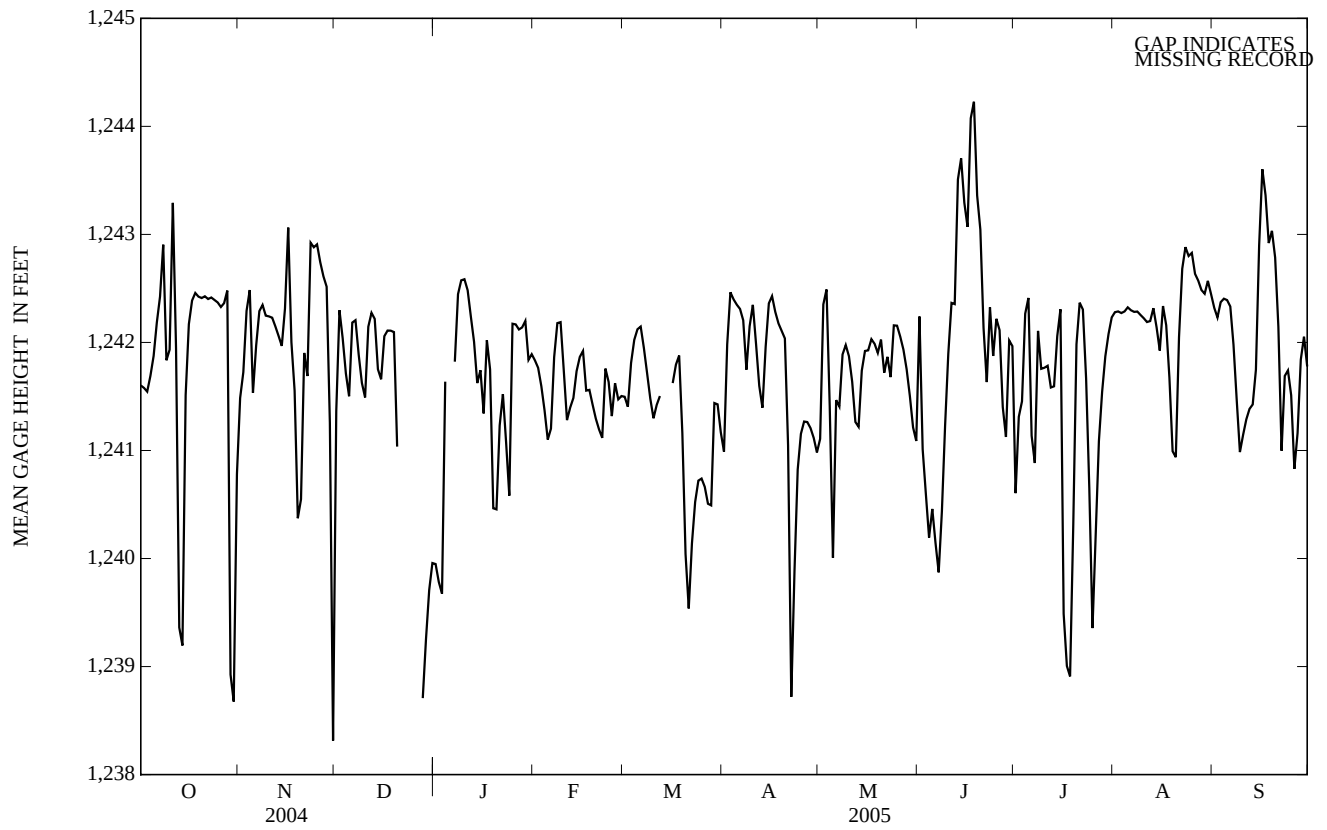
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,241.62	1,241.59	1,241.60	1,241.65	1,241.32	1,241.49	1,242.24	1,239.90	1,241.37	1,240.02	1,239.86	1,239.95
2	1,241.61	1,241.54	1,241.58	1,241.79	1,241.64	1,241.72	1,242.49	1,242.19	1,242.30	1,239.89	1,239.66	1,239.78
3	1,241.57	1,241.51	1,241.55	1,242.75	1,241.78	1,242.29	1,242.23	1,241.86	1,242.04	1,240.44	1,238.74	1,239.67
4	1,241.80	1,241.51	1,241.69	1,242.78	1,241.99	1,242.48	1,241.87	1,241.53	1,241.71	1,242.14	1,240.44	1,241.64
5	1,242.06	1,241.76	1,241.88	1,241.99	1,241.31	1,241.53	1,241.79	1,241.34	1,241.50	---	---	---
6	1,242.31	1,242.04	1,242.18	1,242.20	1,241.65	1,241.97	1,242.50	1,241.79	1,242.18	---	---	---
7	1,242.87	1,242.31	1,242.42	1,242.37	1,242.18	1,242.29	1,242.52	1,241.91	1,242.21	1,242.31	1,241.20	1,241.82
8	1,243.16	1,242.37	1,242.90	1,242.38	1,242.30	1,242.35	1,242.01	1,241.76	1,241.89	1,242.58	1,242.30	1,242.45
9	1,242.37	1,241.59	1,241.84	1,242.31	1,242.21	1,242.25	1,241.78	1,241.44	1,241.62	1,242.60	1,242.54	1,242.58
10	1,243.09	1,241.39	1,241.93	1,242.26	1,242.21	1,242.24	1,241.88	1,241.27	1,241.49	1,242.65	1,242.52	1,242.59
11	1,243.58	1,242.71	1,243.29	1,242.27	1,242.18	1,242.23	1,242.31	1,241.84	1,242.15	1,242.66	1,242.27	1,242.48
12	1,242.76	1,240.52	1,241.94	1,242.19	1,242.10	1,242.15	1,242.34	1,242.24	1,242.27	1,242.30	1,242.14	1,242.24
13	1,240.52	1,239.00	1,239.36	1,242.11	1,242.00	1,242.06	1,242.30	1,242.00	1,242.22	1,242.15	1,241.83	1,242.01
14	1,240.53	1,238.68	1,239.19	1,242.03	1,241.93	1,241.97	1,242.01	1,241.61	1,241.75	1,241.84	1,241.47	1,241.62
15	1,242.00	1,240.53	1,241.51	1,242.95	1,241.92	1,242.31	1,241.89	1,241.51	1,241.66	1,242.19	1,241.31	1,241.74
16	1,242.30	1,242.00	1,242.17	1,243.19	1,242.89	1,243.06	1,242.13	1,241.88	1,242.06	1,241.75	1,240.99	1,241.34
17	1,242.47	1,242.30	1,242.39	1,243.04	1,240.07	1,242.00	1,242.13	1,242.09	1,242.11	1,242.20	1,241.74	1,242.02
18	1,242.48	1,242.42	1,242.46	1,242.66	1,240.30	1,241.55	1,242.13	1,242.09	1,242.11	1,242.16	1,241.04	1,241.75
19	1,242.48	1,242.35	1,242.42	1,242.18	1,239.42	1,240.37	1,242.12	1,242.07	1,242.10	1,241.04	1,240.16	1,240.46
20	1,242.47	1,242.34	1,242.41	1,240.94	1,239.95	1,240.55	1,242.11	1,237.76	1,241.04	1,240.98	1,240.07	1,240.45
21	1,242.45	1,242.37	1,242.43	1,242.98	1,240.18	1,241.90	---	---	---	1,241.43	1,240.93	1,241.23
22	1,242.45	1,242.30	1,242.40	1,243.01	1,239.46	1,241.69	---	---	---	1,241.63	1,241.38	1,241.52
23	1,242.44	1,242.32	1,242.42	1,243.00	1,242.83	1,242.92	---	---	---	1,241.61	1,240.25	1,241.08
24	1,242.43	1,242.28	1,242.39	1,243.06	1,241.95	1,242.88	---	---	---	1,241.92	1,239.51	1,240.58
25	1,242.42	1,242.27	1,242.37	1,243.05	1,242.82	1,242.91	---	---	---	1,242.28	1,241.90	1,242.17
26	1,242.42	1,242.28	1,242.33	1,242.83	1,242.65	1,242.74	---	---	---	1,242.21	1,242.12	1,242.17
27	1,242.48	1,242.27	1,242.36	1,242.66	1,242.55	1,242.61	---	---	---	1,242.15	1,242.08	1,242.12
28	1,243.13	1,241.09	1,242.48	1,242.67	1,242.22	1,242.52	1,238.98	1,238.34	1,238.71	1,242.22	1,242.08	1,242.14
29	1,241.09	1,238.13	1,238.93	1,242.29	1,239.15	1,241.26	1,239.50	1,238.98	1,239.26	1,242.25	1,242.05	1,242.20
30	1,239.92	1,237.87	1,238.68	1,239.90	1,237.72	1,238.32	1,239.87	1,239.49	1,239.71	1,242.09	1,241.63	1,241.84
31	1,241.37	1,239.91	1,240.78	---	---	---	1,240.03	1,239.86	1,239.96	1,241.92	1,241.84	1,241.89
MONTH	1243.58	1,237.87	1,241.75	1,243.19	1,237.72	1,241.95	1,242.52	1,237.76	1,241.48	1,242.66	1,238.74	1,241.57

07240200 NORTH CANADIAN RIVER AT HIGHWAY 66 AT OKLAHOMA CITY, OK—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1,241.90	1,241.76	1,241.83	1,241.58	1,241.38	1,241.50	1,241.53	1,240.69	1,240.99	1,241.86	1,240.86	1,241.11
2	1,241.82	1,241.67	1,241.77	1,241.64	1,241.21	1,241.40	1,242.33	1,241.53	1,241.98	1,242.53	1,241.86	1,242.35
3	1,241.71	1,241.46	1,241.59	1,241.97	1,241.62	1,241.81	1,242.55	1,242.30	1,242.46	1,242.56	1,242.42	1,242.49
4	1,241.50	1,241.25	1,241.37	1,242.10	1,241.93	1,242.02	1,242.44	1,242.35	1,242.40	1,242.43	1,239.66	1,241.41
5	1,241.28	1,240.94	1,241.10	1,242.19	1,242.07	1,242.12	1,242.39	1,242.32	1,242.35	1,241.21	1,239.01	1,240.01
6	1,241.49	1,240.93	1,241.20	1,242.22	1,242.03	1,242.15	1,242.32	1,242.30	1,242.31	1,241.57	1,241.21	1,241.47
7	1,242.11	1,241.47	1,241.86	1,242.08	1,241.84	1,241.95	1,242.32	1,241.82	1,242.20	1,241.73	1,241.10	1,241.41
8	1,242.29	1,242.06	1,242.18	1,241.84	1,241.59	1,241.72	1,241.90	1,241.66	1,241.75	1,241.98	1,241.73	1,241.89
9	1,242.29	1,242.01	1,242.19	1,241.61	1,241.35	1,241.48	1,242.37	1,241.90	1,242.15	1,241.99	1,241.94	1,241.98
10	1,242.04	1,241.45	1,241.74	1,241.36	1,241.24	1,241.30	1,242.48	1,242.17	1,242.35	1,241.94	1,241.78	1,241.87
11	1,241.45	1,241.14	1,241.28	1,241.47	1,241.33	1,241.42	1,242.18	1,241.78	1,241.98	1,241.78	1,241.48	1,241.64
12	1,241.47	1,241.32	1,241.40	1,241.54	1,241.47	1,241.50	1,241.78	1,241.43	1,241.60	1,241.48	1,241.03	1,241.26
13	1,241.58	1,241.43	1,241.49	---	---	---	1,241.66	1,241.25	1,241.40	1,241.51	1,240.99	1,241.22
14	1,241.83	1,241.54	1,241.73	---	---	---	1,242.21	1,241.66	1,241.96	1,241.94	1,241.51	1,241.74
15	1,241.96	1,241.76	1,241.87	---	---	---	1,242.46	1,242.21	1,242.36	1,241.96	1,241.83	1,241.92
16	1,242.34	1,240.35	1,241.92	1,241.72	1,241.52	1,241.62	1,242.49	1,242.34	1,242.43	1,242.07	1,241.81	1,241.93
17	1,241.89	1,241.33	1,241.55	1,241.89	1,241.70	1,241.80	1,242.34	1,242.22	1,242.28	1,242.08	1,241.93	1,242.03
18	1,241.64	1,241.49	1,241.56	1,242.00	1,241.62	1,241.88	1,242.23	1,242.12	1,242.18	1,242.45	1,241.78	1,241.99
19	1,241.54	1,241.31	1,241.42	1,241.63	1,240.58	1,241.16	1,242.15	1,242.05	1,242.11	1,242.10	1,241.85	1,241.90
20	1,241.40	1,241.21	1,241.30	1,240.66	1,239.43	1,240.04	1,242.09	1,241.96	1,242.04	1,242.08	1,241.92	1,242.03
21	1,241.26	1,241.12	1,241.19	1,239.91	1,239.22	1,239.54	1,241.97	1,239.35	1,241.05	1,242.01	1,241.21	1,241.72
22	1,241.16	1,241.06	1,241.12	1,240.35	1,239.90	1,240.14	1,239.35	1,238.62	1,238.72	1,241.94	1,241.69	1,241.87
23	1,242.31	1,241.08	1,241.76	1,240.67	1,240.34	1,240.52	1,240.52	1,239.06	1,239.89	1,241.98	1,241.43	1,241.68
24	1,242.56	1,240.29	1,241.63	1,240.83	1,240.62	1,240.72	1,241.04	1,240.52	1,240.82	1,242.23	1,241.98	1,242.16
25	1,241.80	1,240.58	1,241.32	1,240.78	1,240.69	1,240.74	1,241.25	1,241.04	1,241.15	1,242.20	1,242.10	1,242.15
26	1,241.74	1,241.48	1,241.62	1,240.75	1,240.57	1,240.66	1,241.29	1,241.24	1,241.27	1,242.10	1,242.01	1,242.05
27	1,241.51	1,241.43	1,241.47	1,240.64	1,240.23	1,240.51	1,241.28	1,241.24	1,241.26	1,242.01	1,241.86	1,241.93
28	1,241.59	1,241.42	1,241.50	1,241.38	1,239.21	1,240.49	1,241.25	1,241.17	1,241.21	1,241.86	1,241.63	1,241.75
29	---	---	---	1,241.54	1,241.31	1,241.44	1,241.18	1,241.05	1,241.12	1,241.63	1,241.37	1,241.50
30	---	---	---	1,241.53	1,241.31	1,241.43	1,241.05	1,240.93	1,240.98	1,241.37	1,241.04	1,241.21
31	---	---	---	1,241.34	1,240.96	1,241.17	---	---	---	1,241.86	1,240.87	1,241.09
MONTH 1242.56	1,240.29	1,241.57	1,242.22	1,239.21	1,241.22	1,242.55	1,238.62	1,241.62	1,242.56	1,239.01	1,241.70	
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,242.48	1,241.81	1,242.24	1,241.39	1,240.01	1,240.61	1,242.29	1,242.27	1,242.28	1,242.38	1,242.25	1,242.32
2	1,241.81	1,240.68	1,241.01	1,241.46	1,241.01	1,241.31	1,242.30	1,242.27	1,242.29	1,242.31	1,242.17	1,242.23
3	1,240.76	1,240.38	1,240.60	1,241.48	1,241.39	1,241.45	1,242.29	1,242.25	1,242.27	1,242.41	1,242.31	1,242.37
4	1,240.38	1,240.01	1,240.19	1,242.73	1,241.29	1,242.27	1,242.38	1,242.22	1,242.29	1,242.41	1,242.39	1,242.40
5	1,240.52	1,240.27	1,240.46	1,242.74	1,241.94	1,242.41	1,242.36	1,242.30	1,242.33	1,242.40	1,242.38	1,242.39
6	1,240.39	1,239.87	1,240.15	1,241.94	1,240.33	1,241.14	1,242.31	1,242.29	1,242.30	1,242.39	1,242.19	1,242.33
7	1,240.16	1,239.66	1,239.87	1,241.86	1,239.96	1,240.88	1,242.29	1,242.26	1,242.28	1,242.19	1,241.75	1,241.98
8	1,240.66	1,240.16	1,240.44	1,242.19	1,241.86	1,242.11	1,242.30	1,242.26	1,242.29	1,241.75	1,241.15	1,241.47
9	1,242.60	1,240.66	1,241.23	1,242.15	1,241.38	1,241.76	1,242.27	1,242.24	1,242.25	1,241.15	1,240.86	1,240.98
10	1,242.18	1,241.51	1,241.89	1,242.00	1,241.44	1,241.77	1,242.24	1,242.20	1,242.22	1,241.22	1,241.05	1,241.14
11	1,243.09	1,241.47	1,242.37	1,241.92	1,241.65	1,241.78	1,242.21	1,242.16	1,242.19	1,241.36	1,241.22	1,241.29
12	1,243.10	1,241.13	1,242.36	1,241.66	1,241.52	1,241.58	1,242.36	1,242.13	1,242.20	1,241.41	1,241.36	1,241.38
13	1,243.90	1,242.38	1,243.51	1,241.71	1,241.54	1,241.59	1,242.39	1,242.22	1,242.32	1,241.44	1,241.40	1,241.43
14	1,243.81	1,243.43	1,243.70	1,242.68	1,241.71	1,242.06	1,242.29	1,241.88	1,242.14	1,242.01	1,241.43	1,241.75
15	1,243.61	1,243.05	1,243.29	1,242.72	1,241.33	1,242.31	1,242.24	1,241.67	1,241.92	1,243.69	1,242.01	1,242.90
16	1,243.19	1,243.02	1,243.07	1,241.33	1,238.72	1,239.49	1,242.44	1,242.24	1,242.34	1,243.71	1,243.32	1,243.60
17	1,244.64	1,243.19	1,244.08	1,239.10	1,238.76	1,239.01	1,242.34	1,241.96	1,242.16	1,243.66	1,243.07	1,243.36
18	1,244.64	1,243.69	1,244.23	1,239.38	1,238.55	1,238.91	1,241.96	1,241.32	1,241.67	1,243.07	1,242.85	1,242.92
19	1,243.69	1,243.03	1,243.36	1,241.51	1,239.38	1,240.31	1,241.32	1,240.84	1,240.99	1,243.10	1,242.90	1,243.03
20	1,243.19	1,242.88	1,243.05	1,242.25	1,241.51	1,241.98	1,241.19	1,240.89	1,240.94	1,243.10	1,242.47	1,242.79
21	1,243.03	1,240.84	1,242.13	1,242.44	1,242.25	1,242.37	1,242.40	1,241.19	1,242.05	1,242.47	1,241.43	1,242.14
22	1,242.29	1,241.20	1,241.63	1,242.46	1,242.03	1,242.31	1,243.03	1,242.40	1,242.68	1,241.51	1,240.21	1,241.00
23	1,242.54	1,242.00	1,242.33	1,242.03	1,241.24	1,241.67	1,243.13	1,242.73	1,242.88	1,241.78	1,241.51	1,241.69
24	1,242.07	1,241.65	1,241.88	1,241.24	1,239.97	1,240.65	1,242.99	1,242.58	1,242.80	1,241.78	1,241.66	1,241.74
25	1,242.30	1,242.06	1,242.22	1,239.97	1,238.87	1,239.36	1,242.98	1,242.67	1,242.83	1,241.66	1,241.34	1,241.51
26	1,242.30	1,241.80	1,242.11	1,240.74	1,239.57	1,240.22	1,242.67	1,242.60	1,242.63	1,241.34	1,240.50	1,240.83
27	1,241.80	1,240.98	1,241.40	1,241.35	1,240.74	1,241.09	1,242.62	1,242.53	1,242.57	1,241.55	1,240.88	1,241.16
28	1,241.70	1,240.64	1,241.12	1,241.74	1,241.35	1,241.54	1,242.53	1,242.43	1,242.48	1,242.06	1,241.55	1,241.84
29	1,242.22	1,241.70	1,242.02	1,241.98	1,241.74	1,241.87	1,242.58	1,242.40	1,242.45	1,242.15	1,241.92	1,242.05
30	1,242.23	1,241.39	1,241.97	1,242.18	1,241.98	1,242.08	1,242.61	1,242.50	1,242.57	1,241.92	1,241.70	1,241.78
31	---	---	---	1,242.27	1,242.18	1,242.23	1,242.51	1,242.38	1,242.45	---	---	---
MONTH 1244.64	1,239.66	1,242.00	1,242.74	1,238.55	1,241.29	1,243.13	1,240.84	1,242.26	1,243.71	1,240.21	1,241.99	
YEAR	1,244.64	1,237.72	1,241.71									

07240200 NORTH CANADIAN RIVER AT HIGHWAY 66 AT OKLAHOMA CITY, OK—Continued



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07240500 LAKE OVERHOLSER NEAR OKLAHOMA CITY ,OK

LOCATION.--Lat 35°29'11", long 97°39'58", in SE 1/4 NW 1/4 sec.30, T.12 N., R.4 W., Oklahoma County, Hydrologic Unit 11100301, in a concrete block building 200 ft north of dam on dike between lake and bypass channel and at mile 281.5

DRAINAGE AREA.--13,221 mi², of which 4,899 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1937 to September 1991, October 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1955, nonrecording gage at datum 1,065.77 ft.

REMARKS.--Reservoir is formed by Ambursan-type dam flanked by long earth-fill sections. Outlet facilities are 23 taintor gates and one uncontrolled spillway. Storage began in 1917. Dam was partly washed out in 1923 and rebuilt in 1924. Capacity, 17,100 acre-ft below elevation 1,242.27 ft, top of spillway gates. Dead storage, 1,400 acre-ft below elevation 1,229.77 ft, sill of outlet works. Figures given herein represent total contents. Revised capacity table used since Oct. 1, 1950. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum contents, 20,900 acre-ft, June 14, 1944, elevation, 1,242.67 ft from capacity table then in use; maximum elevation, 1242.70 ft, Apr. 18, 1990; minimum observed, 1,870 acre-ft, May 14, 1955, elevation, 1,230.62 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 17,310 acre-ft, June 14, elevation 1,242.40 ft; minimum, 12,450 acre-ft, Oct. 1, elevation, 1,239.22 ft.

Capacity table (elevation, in feet, and contents, in acre-feet):

1230.0	1,530	1237.5	9,860
1232.0	3,370	1240.0	13,640
1235.0	6,320	1242.5	17,460

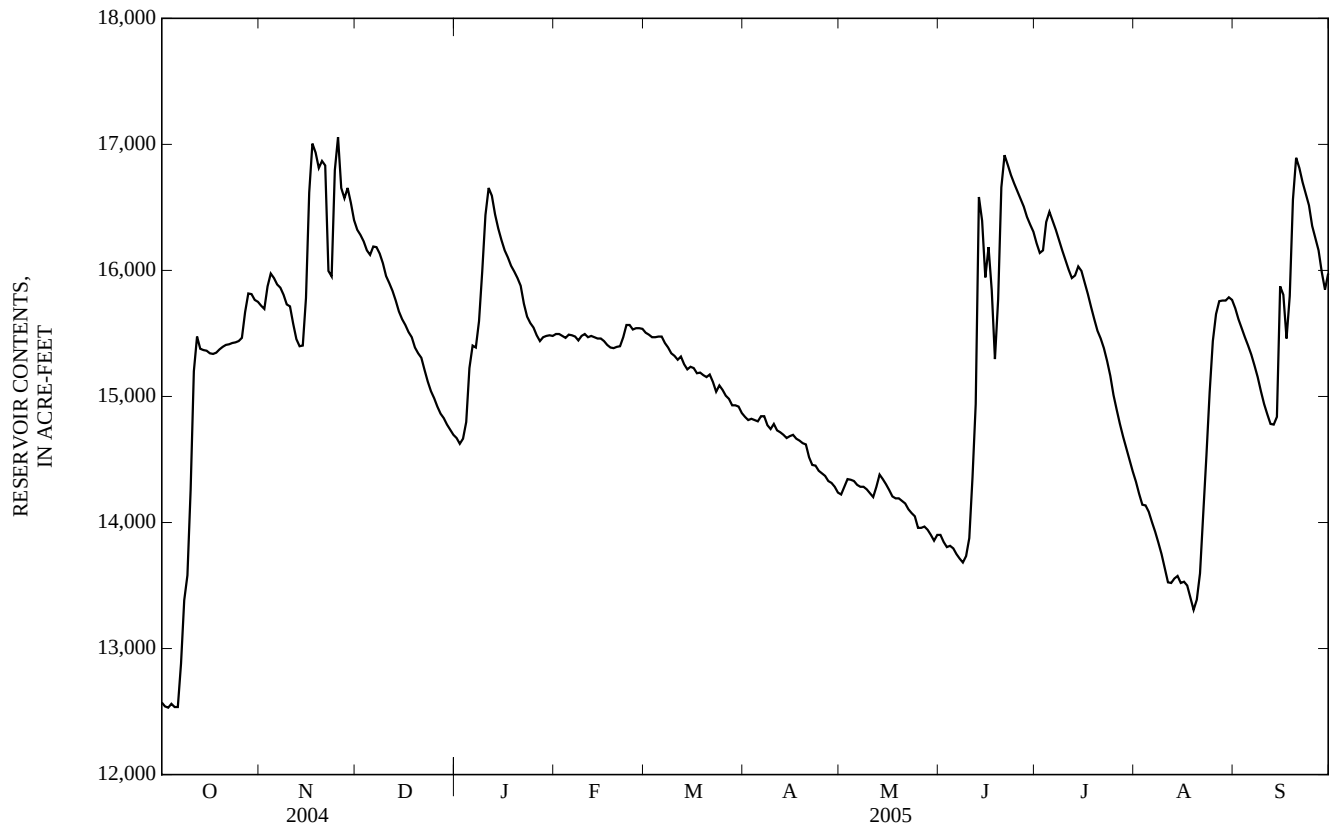
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12,590	15,750	16,360	14,680	15,480	15,540	14,850	14,220	13,930	16,290	14,370	15,750
2	12,560	15,700	16,300	14,670	15,510	15,490	14,830	14,220	13,890	16,180	14,300	15,670
3	12,530	15,690	16,270	14,600	15,490	15,490	14,800	14,310	13,830	16,120	14,190	15,580
4	12,530	15,970	16,210	14,700	15,480	15,460	14,830	14,360	13,790	16,180	14,120	15,520
5	12,580	15,980	16,130	14,850	15,460	15,480	14,800	14,330	13,830	16,490	14,150	15,440
6	12,520	15,920	16,120	15,410	15,510	15,480	14,800	14,330	13,780	16,450	14,050	15,380
7	12,550	15,870	16,230	15,400	15,480	15,480	14,860	14,280	13,730	16,360	13,980	15,310
8	13,050	15,860	16,160	15,380	15,480	15,400	14,830	14,280	13,700	16,300	13,900	15,210
9	13,550	15,780	16,120	15,700	15,430	15,380	14,740	14,280	13,670	16,210	13,810	15,120
10	13,600	15,700	16,030	16,130	15,510	15,320	14,740	14,250	13,760	16,130	13,720	15,000
11	14,590	15,720	15,920	16,590	15,490	15,320	14,800	14,220	13,930	16,060	13,600	14,910
12	15,510	15,510	15,890	16,680	15,460	15,280	14,700	14,190	14,570	15,980	13,490	14,830
13	15,460	15,430	15,810	16,550	15,490	15,340	14,730	14,330	15,120	15,920	13,540	14,760
14	15,340	15,380	15,740	16,390	15,460	15,210	14,680	14,410	17,310	15,980	13,570	14,790
15	15,380	15,410	15,640	16,300	15,460	15,210	14,670	14,310	15,930	16,060	13,580	14,860
16	15,350	15,970	15,600	16,210	15,460	15,250	14,700	14,300	15,950	15,970	13,490	16,380
17	15,340	16,940	15,550	16,130	15,430	15,210	14,700	14,240	16,300	15,870	13,550	15,520
18	15,340	17,040	15,490	16,090	15,400	15,170	14,650	14,190	15,610	15,780	13,470	15,430
19	15,350	16,880	15,460	16,010	15,380	15,200	14,650	14,190	15,140	15,670	13,370	15,980
20	15,380	16,780	15,350	15,980	15,380	15,150	14,620	14,190	16,090	15,580	13,280	16,850
21	15,400	16,910	15,340	15,920	15,400	15,150	14,620	14,160	16,940	15,490	13,440	16,910
22	15,410	16,790	15,290	15,860	15,400	15,180	14,470	14,150	16,900	15,440	13,670	16,760
23	15,410	15,600	15,170	15,670	15,510	15,080	14,450	14,080	16,810	15,350	14,270	16,670
24	15,430	16,130	15,090	15,610	15,600	15,020	14,450	14,070	16,730	15,250	14,670	16,580
25	15,430	17,130	15,020	15,570	15,550	15,120	14,390	14,040	16,670	15,120	15,210	16,490
26	15,440	17,020	14,970	15,540	15,520	15,020	14,390	13,920	16,610	14,960	15,550	16,290
27	15,480	16,470	14,890	15,460	15,550	15,000	14,360	13,980	16,550	14,860	15,700	16,240
28	15,770	16,620	14,850	15,430	15,540	14,970	14,310	13,960	16,490	14,740	15,780	16,120
29	15,840	16,670	14,820	15,490	---	14,910	14,310	13,930	16,390	14,650	15,750	15,920
30	15,800	16,470	14,760	15,480	---	14,940	14,270	13,890	16,350	14,560	15,770	15,810
31	15,750	---	14,730	15,490	---	14,910	---	13,840	---	14,470	15,800	---
MAX	15,840	17,130	16,360	16,680	15,600	15,540	14,860	14,410	17,310	16,490	15,800	16,910
MIN	12,520	15,380	14,730	14,600	15,380	14,910	14,270	13,840	13,670	14,470	13,280	14,760
(#)	1241.41	1241.79	1240.70	1241.21	1421.23	1240.84	1240.38	1240.19	1241.73	1240.50	1241.39	1241.38
(##)	+3140	+720	-1740	+760	+50	-630	-640	-430	+2510	-1880	+1330	+10

CAL YR 2004 MAX 17130 MIN 3430 (##) +9600
WTR YR 2005 MAX 17310 MIN 12520 (##) +3200

(#) ELEVATION, IN FEET, AT END OF MONTH
(##) CHANGE IN CONTENTS, IN ACRE-FEET

07240500 LAKE OVERHOLSER NEAR OKLAHOMA CITY ,OK—Continued



07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK

LOCATION.--Lat 35°28'43", long 97°39'47", in NE ¼ of NW ¼ of sec.31, T. 12N., R. 4W, Oklahoma County, Hydrologic Unit 11100301, on left downstream side of bridge on NW 10th Street, 0.5 mi downstream from Lake Overholser, 2.4 mi upstream from Mustang Creek, 9.1 mi southwest of State Capitol of Oklahoma, and at river mile 281.0.

DRAINAGE AREA.--13,222 mi², of which 4,899 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1952 to September 1968, October 1969 to September 1972, October 1973 to September 1987, October 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,194.66 ft above NGVD of 1929. Prior to Oct. 1, 1961, at datum 10.00 ft higher. Prior to March 24, 1971, gage located at current site. March 25, 1971, to Sept. 30, 1987, gage located 200 ft upstream.

REMARKS.--Records poor. Flow regulated by Canton Lake (station 07238500) and Lake Overholser (station 07240500). Diversions upstream from station into Lake Overholser and Lake Hefner Canal (station 07240000). U.S. Geological Survey's satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	15	52	85	318	423	129	e65	9.8	225	e5.3	e4.4
2	11	21	131	84	317	381	91	e60	6.2	107	e5.2	4.4
3	12	30	173	77	312	355	119	e60	e5.8	104	5.2	e4.4
4	13	15	169	70	309	357	170	e40	6.4	151	e5.2	e4.3
5	12	41	126	113	304	357	171	e15	7.0	189	e5.2	e4.3
6	13	100	68	52	311	373	175	e10	e5.8	210	e5.0	e4.2
7	13	102	181	52	314	395	180	e9.0	e5.6	104	e4.5	e4.2
8	13	104	169	52	313	376	e200	e8.1	e5.4	52	e4.2	e4.2
9	12	69	165	52	328	379	e200	7.3	16	152	e3.9	e4.0
10	42	19	151	52	334	360	e320	8.0	22	212	e3.6	e4.0
11	23	72	71	184	293	343	e315	7.6	33	212	e3.1	e4.0
12	15	16	107	321	271	344	e310	7.0	30	210	e2.0	e4.0
13	14	13	135	358	270	347	e300	9.9	54	208	e1.4	e4.0
14	13	13	136	284	326	338	e280	10	1,320	232	e0.90	13
15	11	41	81	471	369	337	e285	6.4	1,140	216	e0.20	e13
16	11	20	69	548	375	340	e290	6.3	453	128	e0.08	820
17	12	1,030	91	527	421	342	e280	6.3	2,070	44	0.03	920
18	12	2,310	90	657	386	373	268	6.1	2,830	43	e0.03	120
19	12	1,410	90	630	397	399	e265	e5.8	877	25	e0.03	e15
20	12	824	255	555	392	378	263	e5.7	162	e10	e0.03	160
21	12	1,940	147	546	390	337	e220	e5.4	449	e8.0	18	256
22	12	1,470	80	594	388	345	e130	e5.4	555	48	38	141
23	12	750	78	538	494	334	e80	6.4	504	65	e9.0	66
24	12	255	78	394	733	334	e85	6.0	526	61	e6.5	63
25	12	355	76	400	448	333	e85	6.4	528	43	e5.5	60
26	12	551	76	440	435	328	e85	6.3	521	e7.5	e5.2	45
27	15	395	78	441	430	326	e80	6.6	501	e6.0	e5.1	e20
28	16	110	79	446	427	201	e70	6.3	402	e5.7	e4.8	e10
29	11	420	79	447	---	163	e65	6.0	359	e5.4	e4.6	e6.5
30	11	216	80	372	---	161	e65	e5.5	356	e5.4	e4.5	e6.4
31	12	---	79	320	---	163	---	12	---	e5.3	4.4	---
TOTAL	424	12,727	3,440	10,162	10,405	10,322	5,576	425.8	13,760.0	3,094.3	160.70	2,789.3
MEAN	13.7	424	111	328	372	333	186	13.7	459	99.8	5.18	93.0
MAX	42	2,310	255	657	733	423	320	65	2,830	232	38	920
MIN	11	13	52	52	270	161	65	5.4	5.4	5.3	0.03	4.0
AC-FT	841	25,240	6,820	20,160	20,640	20,470	11,060	845	27,290	6,140	319	5,530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2005, BY WATER YEAR (WY)

	MEAN	169	131	109	115	143	197	189	331	421	163	95.2	100
MAX	2,426	1,489	563	922	708	1,487	1,149	2,922	2,774	1,749	884	826	
(WY)	(1987)	(1975)	(1993)	(1998)	(1997)	(1990)	(1997)	(1993)	(1995)	(1957)	(1957)	(1989)	
MIN	0.00	0.00	0.02	0.05	0.06	0.00	0.03	0.45	0.01	0.04	0.00	0.00	
(WY)	(1953)	(1955)	(1957)	(1955)	(1955)	(1954)	(1954)	(1956)	(1953)	(1954)	(1953)	(1954)	

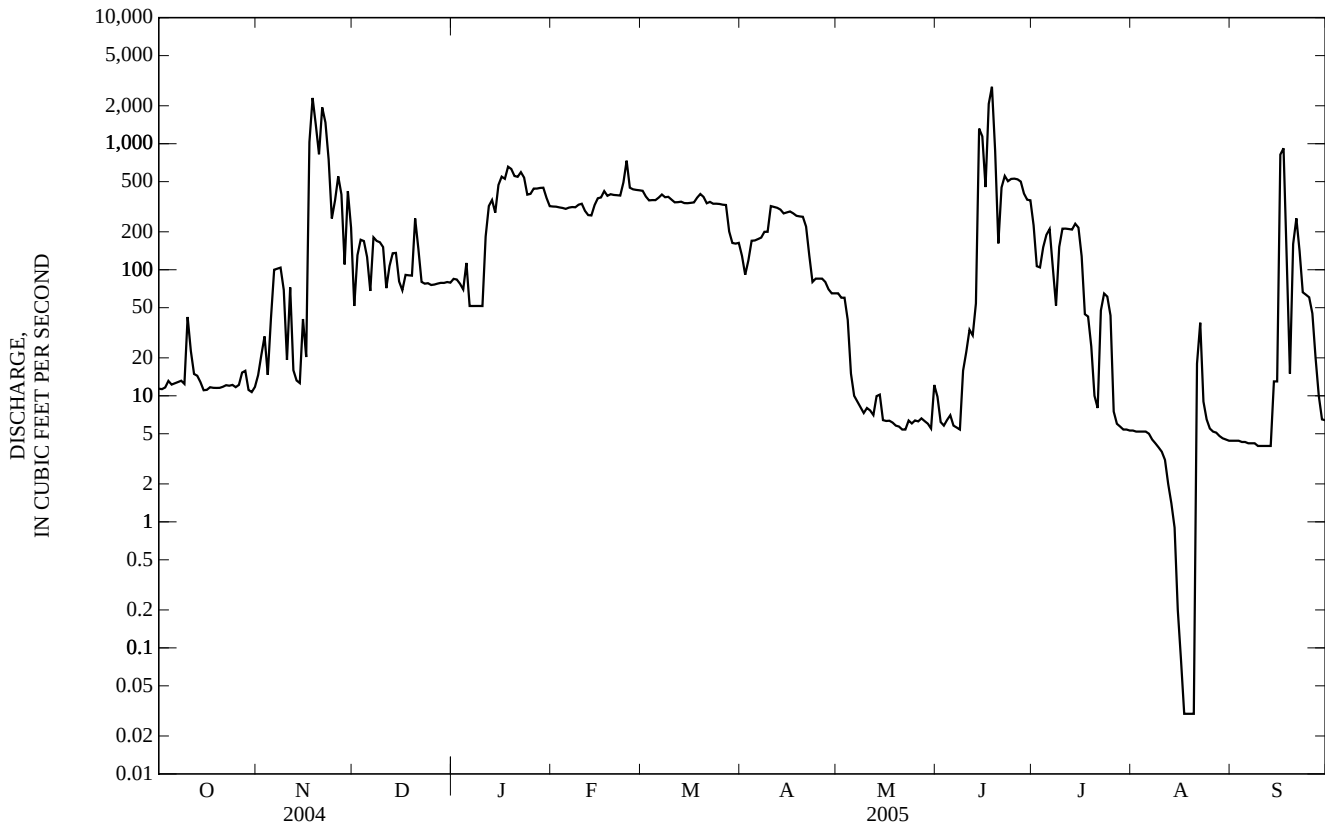
e Estimated

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1953 - 2005	
ANNUAL TOTAL	44,626.04		73,286.10		180	
ANNUAL MEAN	122		201		749	
HIGHEST ANNUAL MEAN					0.42	
LOWEST ANNUAL MEAN					1987	
HIGHEST DAILY MEAN	2,310	Nov 18	2,830	Jun 18	13,300	May 10, 1993
LOWEST DAILY MEAN	0.94	Mar 23	0.03	Aug 17-20	a0.00	Oct 1, 1952
ANNUAL SEVEN-DAY MINIMUM	1.4	Mar 19	0.19	Aug 14	0.00	Oct 1, 1952
MAXIMUM PEAK FLOW			3,550	Nov 21	19,500	Jun 11, 1995
MAXIMUM PEAK STAGE			14.20	Nov 21	b29.85	May 28, 1987
ANNUAL RUNOFF (AC-FT)	88,520		145,400		130,500	
10 PERCENT EXCEEDS	366		446		495	
50 PERCENT EXCEEDS	19		80		25	
90 PERCENT EXCEEDS	4.0		5.2		0.94	

a No flow at times in 1952-57.

b From high-water mark.



07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--August 1988 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1988 to current year.

pH: October 1988 to June 1991.

WATER TEMPERATURE: October 1988 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1988.

REMARKS.--Interruptions in record were due to malfunction of the recording instrument and insufficient flow for probes to function properly. Samples were collected monthly and specific conductance, pH, water temperature, alkalinity, and dissolved oxygen were determined in the field.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,050 microsiemens, Nov. 19, 1991; minimum, 81 microsiemens, Oct. 25, 2000.

pH: Maximum, 8.9 units, Oct. 27, 1989, Nov. 27, 1989, Sept. 15, 17, 1990; minimum, 6.2 units, Aug. 8, 1989.

WATER TEMPERATURE: Maximum, 37.1°C, Aug. 2, 2002; minimum, -0.5°C, Dec. 22, 23, 24, 1998.

DISSOLVED OXYGEN: Maximum, 22.7 mg/l, Mar. 21, 2004; minimum, 0.1 mg/l, Aug. 2, 2002, July 19, 20, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,750 microsiemens, Mar. 25-28; minimum, 151 microsiemens, Nov. 18, Sept. 14.

WATER TEMPERATURE: Maximum, 34.9°C, July 21; minimum, -0.1°C, Jan. 17.

DISSOLVED OXYGEN: Maximum, 20.1 mg/l, July 21; minimum, 1.3 mg/l, May 24.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 06...	1045	1028	80020	6.20	14	734	1.6	8.8	98	8.4	1,000	19.1	18.6
NOV 09...	1200	1028	80020	7.07	104	735	1.7	11.0	113	8.2	1,150	17.7	14.8
DEC 14...	1240	1028	80020	6.67	117	744	3.2	12.2	104	8.3	1,280	6.1	7.0
JAN 11...	1215	1028	80020	7.37	242	727	5.2	13.6	111	7.9	934	-2.1	4.8
FEB 16...	0900	1028	80020	7.73	369	739	2.2	10.9	103	8.2	1,530	3.8	11.2
MAR 01...	1245	1028	80020	8.00	423	734	3.4	14.8	134	8.1	1,520	10.0	9.0
APR 20...	1100	1028	80020	7.45	263	729	1.6	9.1	106	8.4	1,660	23.7	20.5
MAY 09...	1430	1028	80020	5.10	15	734	1.3	15.8	199	8.5	1,450	27.1	24.9
JUN 01...	1115	1028	80020	5.10	8.0	730	5.2	7.3	90	7.9	924	26.4	23.4
JUL 19...	1115	1028	80020	5.04	17	736	1.9	18.9	261	8.3	1,310	33.9	30.2
AUG 17...	0745	1028	80020	4.15	.03	732	9.4	6.1	76	7.5	770	28.0	24.4
SEP 14...	1200	1028	80020	4.93	13	729	1.4	7.4	90	8.2	428	26.7	22.4

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

Date	Hardness, water, mg/L as CaCO ₃ (00900)	Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, lab, mg/L as CaCO ₃ (90410)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT 06...	--	--	--	--	--	--	--	--	192	167	204	.0	--
NOV 09...	350	210	81.2	35.4	6.72	3	110	40	153	144	176	.0	126
DEC 14...	--	--	--	--	--	--	--	--	312	291	348	3	--
JAN 11...	--	--	--	--	--	--	--	--	216	226	267	4	--
FEB 16...	470	280	112	46.0	5.47	3	136	38	194	188	223	3	167
MAR 01...	--	--	--	--	--	--	--	--	205	192	226	4	--
APR 20...	--	--	--	--	--	--	--	--	202	193	231	3	--
MAY 09...	450	250	103	45.8	4.70	3	144	41	217	196	220	9	182
JUN 01...	--	--	--	--	--	--	--	--	205	192	231	2	--
JUL 19...	--	--	--	--	--	--	--	--	208	199	239	2	--
AUG 17...	250	100	58.9	23.9	6.35	2	73.6	39	158	147	175	2	79.6
SEP 14...	--	--	--	--	--	--	--	--	116	90	108	.0	--

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

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 06...	--	--	--	--	--	--	--	20	.69	1.3	.09	.071	.146
NOV 09...	.5	12.3	233	694	1.01	209	744	20	--	1.1	--	E.009	.106
DEC 14...	--	--	--	--	--	--	--	13	.65	1.0	.16	.126	3.72
JAN 11...	--	--	--	--	--	--	--	12	.55	.79	.22	.173	1.42
FEB 16...	.7	14.1	277	873	1.31	957	961	34	.46	.83	--	E.008	.142
MAR 01...	--	--	--	--	--	--	--	33	.58	.84	.15	.117	1.12
APR 20...	--	--	--	--	--	--	--	44	.56	1.2	.03	.027	--
MAY 09...	.8	12.9	258	871	1.25	37.3	922	25	.48	.90	.04	.032	.257
JUN 01...	--	--	--	--	--	--	--	122	.67	1.3	.30	.236	.859
JUL 19...	--	--	--	--	--	--	--	31	.56	1.4	.16	.124	.354
AUG 17...	.5	11.7	115	460	.65	.04	477	71	1.1	1.3	.34	.262	1.04
SEP 14...	--	--	--	--	--	--	--	245	.64	1.7	.18	.138	1.38

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, fltrd, mg/L (00607)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT 06...	.03	.041	.026	.008	.62	1.2	.73	1.3	.754	.246	.23	.38	--
NOV 09...	.02	.029	.016	.005	--	--	--	1.1	.386	.126	.145	.22	10.1
DEC 14...	.84	.877	.122	.037	.52	.91	1.5	1.9	.555	.181	.199	.22	--
JAN 11...	.32	.340	.066	.020	.38	.62	.89	1.1	.389	.127	.139	.189	--
FEB 16...	.03	.036	.013	.004	--	--	.49	.87	.067	.022	.037	.139	11.5
MAR 01...	.25	.267	.043	.013	.46	.72	.85	1.1	.117	.038	.052	.125	--
APR 20...	--	<.016	--	<.002	.54	1.2	--	--	.147	.048	.061	.194	--
MAY 09...	.06	.065	.023	.007	.45	.87	.54	.96	.233	.076	.106	.188	8.4
JUN 01...	.19	.246	.171	.052	.44	1.0	.92	1.5	.696	.227	.24	.39	--
JUL 19...	.08	.094	.046	.014	.44	1.3	.65	1.5	.389	.127	.161	.30	--
AUG 17...	.23	.290	.181	.055	.86	1.1	1.4	1.6	.607	.198	.23	.35	11.8
SEP 14...	.31	.338	.089	.027	.51	1.6	.98	2.0	.659	.215	.25	.50	--

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

[illegible]

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

Date	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)
OCT 06...	--	--	--	--	--	--	--	--	--
NOV 09...	8.0	<.01	6	M	E.4	<3	839	8	E3
DEC 14...	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--
FEB 16...	19.1	<.01	6	M	1.0	<3	1,130	8	E4
MAR 01...	--	--	--	--	--	--	--	--	--
APR 20...	--	--	--	--	--	--	--	--	--
MAY 09...	88.1	<.01	8	M	.7	<3	1,080	12	<6
JUN 01...	--	--	--	--	--	--	--	--	--
JUL 19...	--	--	--	--	--	--	--	--	--
AUG 17...	17.6	.03	4	M	<.4	<3	573	8	E6
SEP 14...	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	903	865	883	876	773	835	1,010	902	956	1,400	1,370	1,380
2	935	898	915	807	765	786	1,120	807	1,030	1,370	1,350	1,360
3	965	935	948	848	284	579	1,260	1,120	1,200	1,370	1,100	1,230
4	999	415	954	747	643	708	1,310	1,260	1,280	1,280	513	981
5	1,020	977	992	---	---	---	1,320	1,180	1,300	---	---	---
6	1,040	1,010	1,030	---	---	---	1,300	1,160	1,260	---	---	---
7	1,050	1,010	1,040	---	---	---	1,310	1,110	1,230	---	---	---
8	1,060	1,030	1,050	---	---	---	1,290	1,260	1,280	---	---	---
9	1,040	1,020	1,040	---	---	---	1,380	1,290	1,330	---	---	---
10	1,040	197	736	1,090	783	1,050	1,380	870	1,210	---	---	---
11	904	385	769	994	754	829	1,360	1,320	1,340	949	423	819
12	900	828	865	1,060	994	1,040	1,370	1,190	1,320	1,160	910	1,040
13	834	792	823	1,060	1,030	1,050	1,360	1,140	1,310	1,110	933	1,030
14	847	793	830	1,090	1,010	1,050	1,360	1,310	1,340	1,190	999	1,080
15	851	840	846	1,040	260	639	1,370	1,310	1,360	1,390	1,190	1,300
16	858	816	845	771	485	677	1,400	1,360	1,380	1,450	1,380	1,420
17	817	791	807	1,180	161	484	1,420	1,400	1,400	1,460	1,450	1,460
18	797	771	781	297	151	235	1,430	1,420	1,420	1,460	1,450	1,460
19	786	753	770	548	297	422	1,440	1,420	1,430	1,460	1,440	1,450
20	777	754	766	491	408	442	1,470	1,420	1,440	1,460	1,450	1,460
21	776	751	766	483	235	299	1,430	1,390	1,420	1,450	1,440	1,450
22	768	747	756	699	249	492	1,430	1,270	1,380	1,440	1,240	1,390
23	785	737	761	698	303	530	1,450	1,410	1,430	1,450	1,440	1,440
24	778	758	769	662	402	601	1,490	1,450	1,470	1,450	1,440	1,440
25	779	741	765	663	509	590	1,490	1,470	1,480	1,450	1,450	1,450
26	779	760	770	670	651	661	1,480	1,430	1,450	1,450	1,450	1,450
27	1,060	502	784	669	640	661	1,450	1,420	1,430	1,470	1,450	1,460
28	760	490	705	644	473	593	1,460	1,420	1,440	1,470	1,440	1,450
29	785	746	772	808	506	713	1,440	1,410	1,430	1,450	1,430	1,440
30	798	768	787	976	772	881	1,440	1,410	1,430	1,440	1,440	1,440
31	845	772	803	---	---	---	1,420	1,400	1,410	1,450	1,430	1,440

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1,430	1,430	1,430	1,570	1,480	1,530	1,590	782	1,400	1,540	1,510	1,530
2	1,430	1,410	1,420	1,580	1,570	1,580	1,570	815	1,320	1,560	1,440	1,520
3	1,440	1,410	1,420	1,580	1,570	1,580	1,590	1,550	1,560	1,650	1,560	1,620
4	1,460	1,440	1,450	1,580	1,570	1,570	1,590	1,560	1,570	---	---	---
5	1,470	1,460	1,460	1,580	1,570	1,570	1,560	1,530	1,550	---	---	---
6	1,470	1,320	1,410	1,580	1,560	1,570	1,540	1,440	1,510	1,510	1,350	1,460
7	1,460	1,320	1,390	1,580	1,480	1,550	1,500	1,420	1,490	1,400	1,340	1,380
8	1,480	1,400	1,440	1,610	1,580	1,590	1,520	1,490	1,510	1,400	1,230	1,340
9	1,470	1,450	1,460	1,610	1,560	1,590	1,590	1,490	1,550	1,370	1,150	1,270
10	1,460	1,450	1,450	1,600	1,580	1,590	1,610	1,590	1,600	1,250	1,170	1,210
11	1,460	1,450	1,450	1,610	1,600	1,600	1,620	1,610	1,610	1,230	1,180	1,210
12	1,470	1,460	1,470	1,620	1,610	1,610	1,630	1,600	1,610	1,260	1,220	1,240
13	1,460	1,450	1,460	1,630	1,590	1,610	1,630	1,610	1,620	1,230	494	998
14	1,490	1,460	1,480	1,640	1,630	1,630	1,640	1,630	1,640	976	707	838
15	1,500	1,490	1,500	1,650	1,630	1,640	1,660	1,640	1,650	1,100	976	1,050
16	1,590	1,300	1,470	1,640	1,620	1,620	1,680	1,650	1,660	1,140	1,100	1,120
17	1,510	1,500	1,510	1,670	1,620	1,640	1,700	1,670	1,680	1,130	1,040	1,100
18	1,520	1,510	1,510	1,700	1,670	1,680	1,680	1,670	1,680	1,110	1,060	1,080
19	1,520	1,510	1,520	1,700	1,670	1,680	1,670	1,660	1,660	1,120	1,080	1,100
20	1,540	1,510	1,520	1,710	1,690	1,700	1,670	1,650	1,660	1,140	1,100	1,120
21	1,570	1,540	1,550	1,710	1,660	1,690	1,660	1,650	1,660	1,170	1,130	1,150
22	1,570	1,550	1,560	1,680	1,620	1,660	1,650	1,460	1,570	1,190	1,140	1,170
23	1,550	1,190	1,370	1,690	1,670	1,680	1,600	1,580	1,590	1,170	905	1,140
24	1,280	1,190	1,250	1,730	1,670	1,690	1,600	1,580	1,590	1,200	1,160	1,180
25	1,400	1,250	1,320	1,750	1,720	1,730	1,590	1,540	1,570	1,210	1,180	1,200
26	1,440	1,400	1,430	1,750	1,730	1,740	1,560	1,530	1,550	1,200	1,020	1,180
27	1,470	1,430	1,440	1,750	1,740	1,740	1,560	1,550	1,560	1,190	939	1,160
28	1,480	1,470	1,480	1,750	1,540	1,640	1,550	1,510	1,530	1,220	1,160	1,190
29	---	---	---	1,560	1,550	1,550	1,560	1,540	1,550	1,280	1,220	1,260
30	---	---	---	1,570	1,550	1,560	1,560	1,540	1,550	1,300	1,240	1,280
31	---	---	---	1,600	1,400	1,570	---	---	---	1,310	369	1,110
JUNE			JULY			AUGUST			SEPTEMBER			
1	960	397	808	1,470	1,370	1,420	---	---	---	---	---	---
2	1,140	921	1,090	1,400	1,380	1,390	---	---	---	804	772	788
3	1,170	1,110	1,130	1,410	1,400	1,400	---	---	---	806	771	790
4	1,190	599	1,140	1,410	736	1,060	1,150	591	1,080	801	768	786
5	1,110	905	984	1,020	811	873	1,080	1,000	1,050	804	762	791
6	1,160	1,050	1,120	1,100	888	1,020	1,080	1,060	1,060	810	786	798
7	1,150	1,090	1,110	1,180	1,080	1,140	1,110	1,080	1,100	823	776	803
8	1,180	1,140	1,160	1,150	1,100	1,130	1,140	1,100	1,120	839	764	816
9	1,180	302	880	1,100	962	1,050	1,150	1,120	1,140	849	824	837
10	680	255	479	1,490	1,030	1,360	1,170	1,130	1,150	857	835	848
11	804	220	468	1,520	1,490	1,510	1,180	1,140	1,160	873	786	855
12	771	196	598	1,530	1,490	1,510	1,180	956	1,130	873	856	866
13	516	196	368	1,520	1,480	1,500	1,060	757	978	878	860	866
14	739	516	673	1,530	1,100	1,330	796	511	651	880	151	578
15	747	711	721	1,320	741	998	964	690	848	648	336	508
16	720	603	639	1,140	909	1,050	1,040	462	834	677	594	632
17	609	394	563	1,210	1,130	1,170	993	642	828	632	557	603
18	605	490	537	1,250	1,210	1,230	1,040	990	1,010	682	555	624
19	675	533	625	1,260	1,110	1,190	1,070	1,020	1,040	695	661	676
20	778	642	705	1,140	1,110	1,130	1,080	540	1,030	1,190	654	782
21	1,310	634	898	1,140	1,080	1,120	854	157	451	1,270	1,190	1,250
22	1,460	1,310	1,400	1,390	1,110	1,280	787	154	413	1,240	1,150	1,180
23	1,520	1,450	1,490	1,420	1,390	1,400	695	462	629	1,190	1,160	1,170
24	1,520	1,500	1,510	1,430	1,410	1,420	825	695	770	1,220	1,180	1,200
25	1,540	1,460	1,510	1,430	1,180	1,360	853	812	839	1,230	1,210	1,220
26	1,540	1,500	1,510	---	---	---	860	808	846	1,220	630	892
27	1,500	1,480	1,490	---	---	---	862	831	848	916	801	872
28	1,500	1,480	1,480	---	---	---	856	671	803	957	601	816
29	1,500	1,490	1,490	---	---	---	817	671	781	889	649	794
30	1,500	1,460	1,480	---	---	---	817	753	792	909	880	892
31	---	---	---	---	---	---	813	785	798	---	---	---

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.6	18.8	21.4	19.0	16.8	17.8	9.5	4.6	6.4	13.6	12.4	13.1
2	24.2	16.8	19.7	17.1	13.9	15.3	6.8	5.1	6.1	14.1	12.8	13.5
3	24.0	17.3	19.8	13.9	10.6	12.0	6.4	5.5	6.0	12.8	5.9	10.1
4	22.9	18.0	20.0	15.6	10.6	12.6	6.3	5.7	6.0	9.7	5.6	7.7
5	23.6	18.1	20.1	16.4	10.7	12.8	7.6	6.1	6.6	---	---	---
6	20.3	17.9	19.1	14.1	11.9	13.1	8.6	6.9	7.6	---	---	---
7	22.5	19.0	19.8	14.5	11.8	13.1	9.2	7.1	8.2	---	---	---
8	24.7	18.6	20.8	13.9	13.4	13.6	9.1	8.4	8.8	---	---	---
9	21.5	18.9	20.0	15.1	12.1	13.6	9.9	8.6	9.2	---	---	---
10	19.6	16.7	18.4	15.0	11.7	13.1	9.4	8.1	8.5	---	---	---
11	18.7	16.9	18.0	13.2	9.9	11.4	9.5	7.7	8.4	6.4	4.7	5.2
12	21.4	15.9	17.9	12.9	9.2	10.6	9.0	7.9	8.3	6.7	5.7	6.1
13	21.9	15.9	17.9	11.6	9.2	10.3	7.9	6.9	7.4	6.5	5.5	6.0
14	19.8	13.5	16.2	12.1	9.8	10.8	7.1	5.6	6.5	5.5	3.4	4.6
15	21.9	14.8	17.1	11.9	10.6	11.1	5.7	4.4	5.0	3.4	1.4	2.2
16	20.8	14.3	16.6	13.9	11.9	13.1	5.9	4.3	4.8	1.4	0.3	0.6
17	17.9	13.9	15.9	14.8	11.6	13.9	5.5	4.1	4.6	0.5	-0.1	0.2
18	21.5	15.0	17.3	14.8	14.4	14.6	6.4	4.8	5.5	1.4	0.0	0.4
19	17.3	15.3	16.3	14.4	13.4	14.0	6.5	5.4	5.9	2.7	1.3	1.9
20	21.4	16.0	17.7	13.7	13.3	13.5	6.2	5.4	5.8	4.4	2.5	3.3
21	21.9	15.7	18.1	13.3	10.7	11.5	8.1	5.1	6.2	5.9	4.4	5.0
22	19.4	17.4	18.5	11.7	10.6	11.2	5.1	1.2	3.4	6.0	4.5	5.3
23	21.3	16.1	18.0	11.8	11.2	11.6	1.2	0.1	0.6	4.5	3.3	3.7
24	21.7	15.5	18.0	11.2	8.5	10	1.2	-0.1	0.5	4.2	2.5	3.3
25	20.5	17.8	18.7	9.8	8.0	9.1	1.7	0.3	1.0	5.9	4.2	4.9
26	20.8	18.7	19.4	10.1	9.4	9.8	2.1	0.5	1.4	6.8	5.8	6.2
27	20.0	18.3	19.2	10.7	8.7	9.7	4.0	1.6	2.9	6.8	6.2	6.5
28	22.0	19.4	20.2	10.3	7.9	8.9	6.3	3.5	5.2	6.2	4.9	5.5
29	24.0	17.6	20.5	9.1	7.7	8.5	8.7	6.3	7.5	4.9	4.4	4.6
30	21.3	15.8	18.1	7.7	5.5	6.7	10.9	8.7	10.0	4.4	3.7	4.0
31	18.9	17.0	17.8	---	---	---	12.4	10.8	11.7	3.8	3.5	3.6
FEBRUARY			MARCH			APRIL			MAY			
1	4.2	3.8	4.1	9.8	8.9	9.2	15.9	13.6	14.9	16.1	14.8	15.4
2	4.6	4.0	4.3	9.9	8.1	8.8	16.8	13.0	14.3	15.5	14.4	14.8
3	5.7	4.6	5.1	11.0	9.7	10.3	16.6	12.9	14.4	14.4	13.4	13.8
4	6.3	5.2	5.9	12.6	10.8	11.5	17.4	14.9	16.0	13.4	10.0	12.2
5	7.4	6.3	6.9	13.3	12.6	13.0	18.5	16.5	17.4	18.0	11.5	14.4
6	8.2	7.4	8.0	13.9	13.0	13.4	17.8	16.6	17.2	23.0	13.5	17.6
7	8.2	7.2	7.7	13.9	13.1	13.6	18.1	16.0	16.8	19.3	15.9	17.4
8	7.2	5.8	6.6	13.2	12.3	12.6	17.7	16.0	17.0	25.1	16.1	19.2
9	5.8	4.7	5.1	12.5	11.6	12.1	18.1	17.0	17.5	27.2	16.1	20.4
10	5.7	4.7	5.2	12.5	11.3	11.9	18.6	17.8	18.3	28.8	18.5	22.6
11	7.1	5.7	6.6	12.8	11.5	12.1	18.4	17.5	18.1	27.7	20.2	23.1
12	8.5	7.1	7.9	14.4	12.4	13.2	17.5	15.9	16.7	23.3	19.7	21.1
13	10.5	8.5	9.5	14.4	12.3	13.2	17.5	16.6	17.0	22.9	18.5	20.5
14	11.6	10.5	11.2	12.5	11.8	12.1	18.8	17.1	17.7	26.7	18.5	22.0
15	11.8	11.2	11.5	12.0	10.0	11.1	19.0	17.9	18.5	22.3	17.7	20.1
16	11.6	9.4	10.5	10.2	9.3	9.7	19.6	18.8	19.3	26.0	17.1	20.8
17	9.4	8.5	9.0	10.4	9.5	9.9	20.3	19.5	19.9	26.9	17.2	21.3
18	9.4	8.5	8.9	12.2	10.2	10.9	20.3	19.5	19.9	25.3	18.9	22.0
19	9.0	8.4	8.6	12.8	11.2	11.9	20.0	19.2	19.6	28.3	20.4	23.8
20	12.4	9.0	10.5	14.4	11.6	12.8	21.3	19.9	20.4	32.8	21.8	26.7
21	12.4	11.7	12.0	15.3	13.7	14.4	23.1	21.3	21.8	32.6	22.7	27.3
22	11.8	10.7	11.2	15.0	11.7	13.4	22.7	18.1	20.3	32.8	22.9	27.3
23	10.7	8.7	9.6	11.7	10.5	11.1	19.2	16.9	17.9	30.3	23.8	26.5
24	8.9	7.7	8.3	12.4	10.5	11.3	18.2	15.7	16.8	32.7	23.1	26.8
25	9.1	7.8	8.4	12.4	11.5	11.9	19.0	16.5	17.5	26.1	22.4	24.3
26	10.0	9.1	9.4	12.1	9.6	10.7	19.2	16.6	17.7	26.1	19.5	22.5
27	10.0	9.8	9.9	11.1	8.8	9.7	19.3	17.1	18.0	23.2	20.4	21.6
28	10.0	9.3	9.7	12.9	10.5	11.7	20.9	18.2	19.3	27.4	18.6	22.4
29	---	---	---	15.3	12.1	14.0	19.2	16.3	17.8	25.9	20.9	23.2
30	---	---	---	17.2	14.5	15.8	18.1	15.0	16.3	27.0	20.9	23.1
31	---	---	---	17.2	15.3	16.2	---	---	---	25.9	20.4	22.4

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.9	19.4	23.5	29.4	27.5	28.3	33.6	23.7	27.7	---	---	---
2	30.3	21.5	25.5	28.8	27.3	28.0	33.6	24.2	28.1	33.0	24.8	28.0
3	28.3	22.8	24.9	29.0	27.4	28.3	33.6	24.9	28.4	31.6	24.6	27.2
4	31.0	22.5	25.5	28.6	24.4	26.7	34.2	25.3	28.1	30.8	24.6	26.9
5	26.6	22.3	24.2	27.4	25.6	26.4	31.4	24.2	26.9	31.2	23.4	26.5
6	32.1	22.4	26.6	28.9	26.3	27.2	34.0	25.1	28.2	31.6	23.0	26.2
7	31.9	23.7	27.4	28.9	27.0	28.1	33.8	25.5	28.5	30.9	23.7	26.4
8	32.3	24.1	27.6	29.0	26.7	27.7	34.0	24.8	28.3	31.1	23.4	26.4
9	27.3	23.0	24.9	29.4	27.1	28.3	33.3	25.1	28.4	30.2	22.9	25.7
10	26.7	20.9	23.9	29.6	28.6	29.0	33.8	25.3	28.7	30.1	22.6	25.4
11	26.6	19.1	23.5	30.6	29.0	29.7	32.4	25.1	28.0	27.2	23.5	25.1
12	30.1	20.6	25.0	31.1	29.3	30.0	33.2	25.0	27.6	29.6	23.2	25.6
13	27.9	20.1	23.6	31.0	29.5	30.1	30.9	24.6	26.6	31.5	23.5	26.5
14	26.8	23.4	25.5	30.2	27.3	29.4	25.7	24.0	24.8	25.5	20.1	23.6
15	26.4	24.8	25.7	29.5	27.7	28.5	26.9	23.8	25.0	24.4	21.7	22.8
16	24.8	23.9	24.4	30.0	28.3	28.9	25.7	23.5	24.6	24.4	20.3	22.9
17	25.0	22.7	24.3	30.8	28.7	29.5	32.6	23.9	27.3	23.9	23.4	23.6
18	25.6	24.4	24.8	30.4	28.1	28.9	33.4	24.5	28.1	29.2	23.5	25.4
19	27.1	25.3	26.1	34.6	27.9	30.2	33.7	24.9	28.4	30.8	22.6	25.9
20	32.8	25.8	28.4	34.5	25.7	29.3	34.4	25.5	28.8	26.7	23.7	25.5
21	28.9	23.7	26.8	34.9	25.4	29.4	31.0	23.8	26.8	27.6	26.6	27.1
22	29.2	27.3	28.2	30.2	26.4	28.7	28.9	23.7	26.6	28.1	26.1	27.1
23	28.9	27.7	28.3	31.4	29.2	30.1	32.0	25.0	27.7	28.2	25.7	26.6
24	28.9	27.3	28.1	31.5	30.0	30.6	33.8	25.5	28.8	28.5	26.0	27.0
25	29.2	27.8	28.5	31.1	26.7	29.5	34.0	25.4	28.8	28.7	26.3	27.2
26	29.4	27.9	28.6	29.8	24.6	26.7	34.8	25.7	29.4	27.6	24.0	26.0
27	29.4	27.8	28.6	30.2	21.8	25.5	31.8	25.8	27.8	30.2	22.0	25.4
28	29.1	27.5	28.4	31.9	21.8	26.1	32.9	24.7	27.8	29.7	21.7	24.7
29	28.9	27.8	28.4	32.7	22.4	26.8	32.9	23.7	27.5	26.1	18.1	21.3
30	29.4	27.9	28.6	33.3	23.0	27.3	34.1	24.5	28.1	25.5	18.6	21.3
31	---	---	---	33.5	23.6	27.7	33.6	24.2	27.9	---	---	---

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	10.7	6.0	7.8	---	---	---	14.1	13.4	13.8	11.9	10.7	11.1
2	12.6	6.3	8.6	---	---	---	15.2	13.9	14.6	11.4	10.7	10.9
3	12.1	6.5	8.4	---	---	---	15.5	15.2	15.3	12.4	10.9	11.5
4	9.9	5.6	7.4	---	---	---	15.6	15.3	15.5	13.4	11.4	12.4
5	---	---	---	---	---	---	15.5	14.9	15.2	---	---	---
6	---	---	---	---	---	---	15.1	14.3	14.8	---	---	---
7	10.8	4.6	7.3	---	---	---	15.5	14.6	14.9	---	---	---
8	11.4	5.5	8.0	---	---	---	15.0	14.7	14.8	---	---	---
9	9.8	3.8	7.1	---	---	---	15.0	14.5	14.8	---	---	---
10	9.1	4.5	7.1	11.4	9.5	10.2	15.8	14.8	15.4	---	---	---
11	8.5	6.3	7.5	11.3	10.1	10.7	15.8	15.5	15.6	13.9	11.9	12.6
12	10.2	6.2	8.4	11.6	9.8	10.5	---	---	---	12.1	11.8	12.0
13	11.4	5.7	8.7	11.7	9.0	10.4	---	---	---	12.8	12.1	12.4
14	11.8	7.0	9.3	11.3	8.9	10.0	---	---	---	14.0	12.8	13.3
15	12.9	6.7	9.4	---	---	---	13.8	13.3	13.6	15.2	14.0	14.6
16	13.2	5.7	9.6	---	---	---	14.0	13.6	13.8	16.0	15.2	15.7
17	12.3	7.2	9.3	---	---	---	14.2	13.7	14.0	16.4	16.0	16.2
18	12.9	7.8	9.6	---	---	---	13.8	13.2	13.6	16.5	15.8	16.2
19	11.5	7.8	9.2	---	---	---	13.8	13.2	13.4	15.8	15.2	15.6
20	12.9	7.4	9.4	---	---	---	13.5	13.2	13.3	15.3	14.5	14.9
21	12.5	6.9	8.9	---	---	---	13.5	12.1	12.9	14.5	13.9	14.2
22	9.2	6.2	7.6	---	---	---	15.6	13.4	14.4	14.9	13.9	14.4
23	10.6	4.8	7.5	---	---	---	16.5	15.6	16.2	15.5	14.9	15.3
24	10.6	5.2	7.3	---	---	---	16.7	15.9	16.3	15.8	14.9	15.4
25	---	---	---	11.9	10.7	11.4	16.4	15.9	16.1	15.0	14.2	14.7
26	---	---	---	12.2	11.9	12.1	16.5	15.6	16.0	14.5	14.0	14.3
27	---	---	---	12.8	11.2	12.0	15.8	14.9	15.3	14.3	14.0	14.2
28	---	---	---	12.5	11.2	11.9	14.9	13.4	14.2	14.9	14.3	14.7
29	---	---	---	13.4	12.5	12.9	13.8	12.5	13.2	15.3	14.9	15.2
30	---	---	---	14.2	13.4	13.9	12.7	11.5	12.2	15.6	15.3	15.5
31	---	---	---	---	---	---	12.4	11.0	11.6	15.9	15.6	15.8
FEBRUARY			MARCH			APRIL			MAY			
1	15.7	15.5	15.6	13.1	12.2	12.5	11.9	9.4	10.4	11.6	9.0	10.1
2	15.7	15.4	15.5	12.7	12.1	12.4	13.0	9.5	10.9	10.3	9.2	9.7
3	15.5	15.1	15.3	12.5	11.9	12.2	13.7	9.8	11.2	10.5	9.8	10.2
4	15.1	14.6	14.9	12.4	11.5	11.9	12.7	9.6	10.9	11.0	9.7	10.3
5	14.6	13.9	14.3	12.0	11.4	11.6	12.7	9.1	10.6	12.8	9.4	10.8
6	13.9	13.4	13.6	11.9	11.1	11.5	11.7	8.8	9.7	11.6	8.2	9.8
7	14.0	13.4	13.7	11.8	11.1	11.3	11.9	8.9	9.9	11.4	7.6	9.2
8	14.4	13.9	14.1	12.3	11.2	11.8	9.8	8.6	9.3	12.2	7.7	9.5
9	15.2	14.4	14.9	12.6	11.7	12.1	9.9	7.8	8.8	12.1	6.8	9.3
10	15.1	14.5	14.9	12.6	11.7	12.1	9.0	7.5	8.3	11.4	5.9	8.1
11	14.5	13.7	14.1	12.6	11.5	12.0	9.5	8.0	8.8	11.6	5.6	8.2
12	13.7	12.7	13.2	12.0	10.6	11.4	10.3	8.8	9.7	11.3	5.9	7.9
13	12.9	11.9	12.5	12.0	10.5	11.2	10.4	9.1	9.7	9.8	5.7	7.8
14	12.1	11.4	11.8	12.0	10.9	11.5	10.2	8.9	9.5	10.5	5.9	7.8
15	11.8	11.2	11.4	12.0	11.0	11.6	9.9	9.0	9.4	12.3	4.5	7.8
16	12.2	11.2	11.6	12.4	10.3	11.7	9.2	8.2	8.9	13.2	3.7	7.9
17	12.5	11.9	12.3	13.4	8.7	11.6	8.8	7.5	8.4	12.5	5.5	8.4
18	12.6	12.1	12.4	12.7	10.9	11.7	9.3	7.8	8.6	12.0	5.3	8.3
19	12.6	12.2	12.4	12.8	10.8	11.8	8.9	8.5	8.7	11.6	2.7	7.0
20	12.2	11.0	11.8	12.8	10.6	11.6	9.0	8.4	8.6	12.1	2.9	6.5
21	11.6	11.0	11.3	11.6	10.2	10.6	8.7	8.1	8.4	11.5	1.6	5.9
22	12.0	11.4	11.7	12.2	10.2	11.2	9.4	7.9	8.6	12.3	1.5	6.2
23	12.6	11.8	12.2	13.0	11.7	12.3	10.7	7.2	9.1	12.0	1.9	6.3
24	13.2	12.6	12.9	12.8	11.4	12.2	11.0	8.0	9.6	13.2	1.3	6.2
25	13.1	12.6	12.9	12.7	11.4	12.0	10.3	8.6	9.3	9.1	1.4	4.8
26	12.7	12.3	12.6	12.8	11.6	12.4	10.7	8.6	9.5	12.4	2.0	6.7
27	12.5	12.3	12.4	13.4	12.1	12.8	11.1	8.7	9.7	9.7	2.8	5.6
28	12.8	12.4	12.6	12.9	11.4	12.1	11.5	8.3	9.6	12.5	3.1	6.8
29	---	---	---	11.9	10.1	11.1	10.2	8.3	9.1	10.9	2.1	6.2
30	---	---	---	11.5	9.7	10.5	11.2	8.9	9.9	11.6	1.8	6.0
31	---	---	---	10.9	9.2	10.0	---	---	---	9.6	2.7	6.3

07241000 NORTH CANADIAN RIVER BELOW LAKE OVERHOLSER NEAR OKLAHOMA CITY, OK —Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.1	5.2	7.1	---	---	---	16.3	7.8	11.8	---	---	---
2	9.5	4.1	6.7	---	---	---	---	---	---	13.1	4.6	7.8
3	10.2	4.3	7.0	---	---	---	---	---	---	12.6	4.5	7.3
4	10.4	4.2	7.0	---	---	---	---	---	---	11.4	4.0	6.9
5	7.4	2.7	4.9	---	---	---	---	---	---	10.6	3.7	6.4
6	8.2	2.1	4.6	---	---	---	---	---	---	11.6	3.8	6.6
7	9.7	2.5	5.6	13.8	12.2	12.9	---	---	---	9.9	3.2	5.8
8	9.2	3.7	6.4	13.7	12.4	13.0	---	---	---	10.5	2.6	5.9
9	---	---	---	13.3	12.4	12.8	---	---	---	10.0	3.3	5.8
10	---	---	---	13.6	12.4	12.9	---	---	---	10.5	3.5	6.4
11	---	---	---	13.4	12.4	12.8	---	---	---	9.6	3.8	6.0
12	---	---	---	12.9	11.9	12.5	---	---	---	9.3	3.7	5.8
13	---	---	---	12.9	12.0	12.4	---	---	---	9.7	3.5	5.6
14	---	---	---	16.0	12.1	14.2	---	---	---	8.1	3.3	6.5
15	---	---	---	16.6	15.7	16.2	---	---	---	8.4	5.9	7.4
16	---	---	---	17.3	16.3	16.7	---	---	---	10.4	6.7	9.0
17	13.5	12.4	13.2	18.8	16.3	17.7	---	---	---	10.6	9.6	10.1
18	13.7	13.2	13.5	20.0	17.9	18.9	10.1	4.8	6.8	9.8	7.2	9.0
19	13.2	12.0	12.5	19.7	16.7	18.5	11.3	4.8	7.2	9.8	7.3	8.2
20	12.2	10.2	11.2	19.3	16.3	17.7	11.5	4.3	7.0	9.5	6.9	8.6
21	11.8	10.3	11.1	20.1	14.7	17.7	8.2	5.3	7.2	9.7	8.9	9.2
22	11.1	10.3	10.8	17.6	14.5	16.2	8.5	4.8	7.2	10.4	8.6	9.4
23	10.8	10.2	10.5	16.7	14.9	16.0	8.3	6.0	7.0	10.6	8.5	9.3
24	10.6	10.0	10.3	16.4	14.6	15.4	9.6	5.3	7.1	10.5	8.3	9.1
25	10.2	9.6	9.9	17.2	13.9	15.5	11.7	4.8	7.5	10.4	8.3	9.1
26	9.8	9.3	9.7	18.5	13.7	15.5	11.5	3.3	6.8	10.1	7.6	9.0
27	9.8	9.2	9.5	18.4	12.9	15.7	10.2	2.5	4.9	10.4	7.3	8.5
28	---	---	---	17.6	12.0	14.6	10.5	2.5	6.2	11.1	7.1	8.6
29	---	---	---	16.3	11.1	13.8	12.8	4.4	8.1	10.9	8.7	9.7
30	---	---	---	15.8	9.3	12.6	13.8	3.6	7.3	11.1	8.1	9.4
31	---	---	---	15.3	9.3	12.0	12.9	3.7	7.2	---	---	---

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07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK

LOCATION.--Lat 35°33'56", long 97°22'01", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.13 N., R.2 W., Oklahoma County, Hydrologic Unit 11100302, on right downstream abutment of county road bridge, 3.8 mi downstream from Crutch Creek, 4.0 mi west of Jones, and at mile 252.7.

DRAINAGE AREA.--13,413 mi², of which 4,899 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,109.40 ft above NGVD of 1929.

REMARKS.--Records poor. Flow regulated by Canton Lake (station 07238500) and Lake Overholser (station 07240500) where diversions are made into Lake Hefner Canal (station 07240000), and by several small dams in Oklahoma City. Low flow sustained in part by sewage effluent from Oklahoma City. U.S. Geological Survey telemeter located at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	576	213	110	393	621	233	126	207	695	22	43
2	53	900	80	117	489	530	137	232	92	197	21	58
3	36	995	71	248	408	604	75	325	35	195	20	133
4	45	325	66	343	382	506	98	342	30	1,920	37	157
5	69	108	64	1,550	372	473	161	140	394	460	56	117
6	35	99	264	600	894	473	165	e60	78	463	49	86
7	37	147	361	214	604	627	183	e37	95	238	31	44
8	58	140	163	106	450	530	244	e34	33	173	208	33
9	38	49	236	90	506	491	347	e32	124	122	47	30
10	1,700	78	245	84	430	480	343	e31	787	287	27	28
11	2,140	152	182	104	415	253	486	e30	585	410	25	35
12	207	88	117	322	360	404	450	e29	309	328	25	69
13	67	43	155	539	368	442	437	400	1,560	353	126	35
14	50	36	186	411	344	431	372	377	553	1,230	534	163
15	48	650	158	350	423	e450	347	114	1,950	418	241	614
16	187	556	132	810	585	e460	350	63	1,130	359	243	156
17	146	717	86	637	434	429	388	42	3,460	201	80	1,240
18	120	3,640	137	706	485	426	386	167	3,020	114	31	595
19	128	2,310	130	746	490	479	376	44	1,990	101	25	164
20	129	1,360	133	873	469	468	394	70	672	81	25	70
21	135	2,170	314	844	488	499	380	28	249	38	823	203
22	96	2,610	291	722	483	433	359	27	929	33	1,250	298
23	78	2,070	179	747	1,570	434	189	26	697	86	453	135
24	46	1,000	54	731	927	406	151	27	724	129	168	89
25	36	280	49	385	817	412	149	30	713	106	61	82
26	35	722	97	381	579	420	143	29	702	80	50	69
27	229	808	105	571	711	406	131	107	604	28	44	73
28	461	322	113	651	591	390	149	72	600	25	40	34
29	105	275	110	674	---	160	144	56	524	24	553	49
30	60	526	120	576	---	230	102	53	497	23	160	43
31	58	---	103	e460	---	224	---	52	---	23	73	---
TOTAL	6,705	23,752	4,714	15,702	15,467	13,591	7,869	3,202	23,343	8,940	5,548	4,945
MEAN	216	792	152	507	552	438	262	103	778	288	179	165
MAX	2,140	3,640	361	1,550	1,570	627	486	400	3,460	1,920	1,250	1,240
MIN	35	36	49	84	344	160	75	26	30	23	20	28
AC-FT	13,300	47,110	9,350	31,140	30,680	26,960	15,610	6,350	46,300	17,730	11,000	9,810

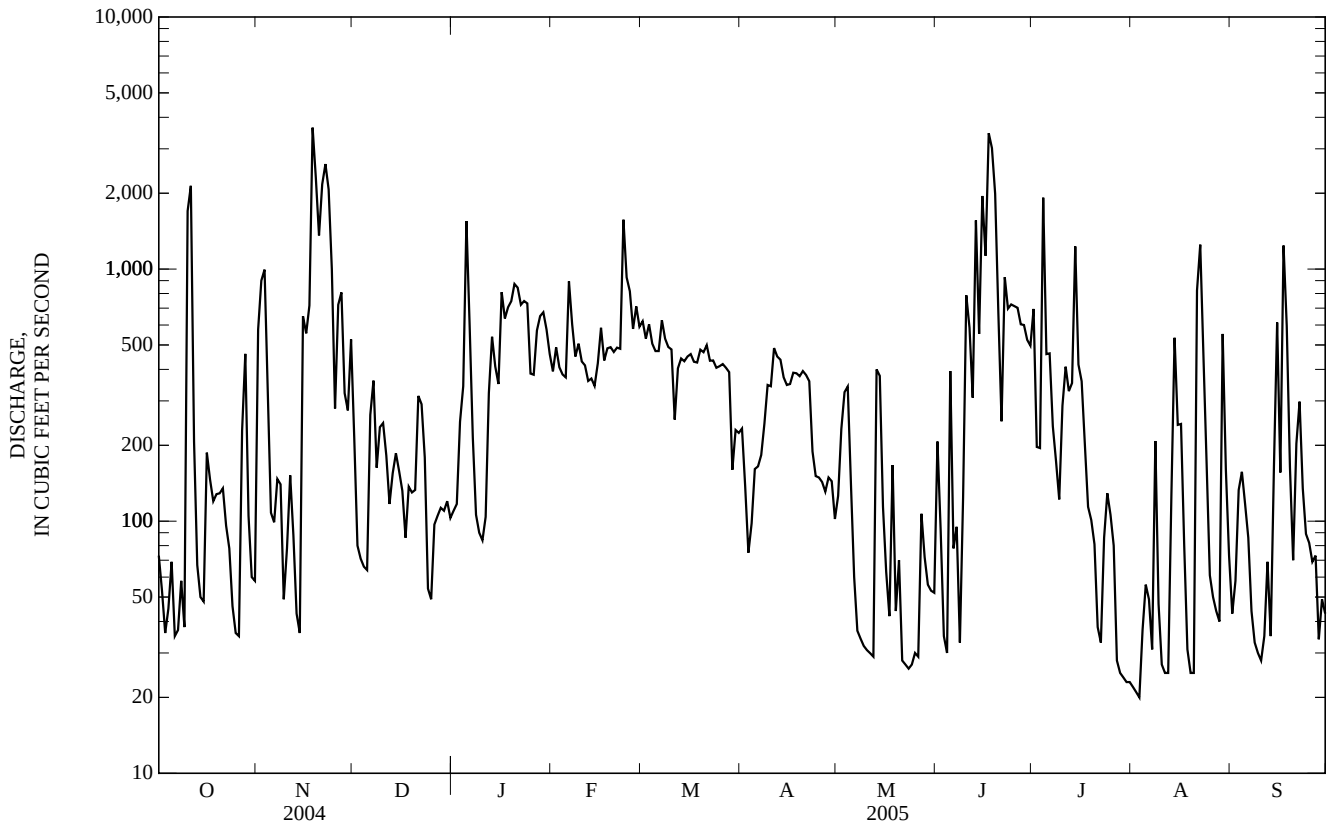
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	266	322	341	332	369	572	549	804	957	384	289	321
MAX	860	928	968	1,162	879	2,011	1,415	4,095	3,662	1,044	966	1,350
(WY)	(1997)	(1997)	(1992)	(1998)	(1997)	(1998)	(1999)	(1993)	(1995)	(1989)	(1989)	(1989)
MIN	92.3	41.7	67.3	87.8	66.2	104	121	55.5	121	49.3	56.9	70.2
(WY)	(1993)	(2004)	(2004)	(2004)	(2004)	(2002)	(1991)	(2003)	(2002)	(2003)	(2002)	(2000)

e Estimated

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	99,164		133,778		459	
ANNUAL MEAN	271		367		835	
HIGHEST ANNUAL MEAN					131	
LOWEST ANNUAL MEAN					22,700	
HIGHEST DAILY MEAN	4,110	Aug 11	3,640	Nov 18	22,700	May 9, 1993
LOWEST DAILY MEAN	14	Apr 29	20	Aug 3	14	Apr 29, 2004
ANNUAL SEVEN-DAY MINIMUM	21	Apr 23	23	Jul 28	21	Aug 19, 2003
MAXIMUM PEAK FLOW			6,720	Jun 17	38,100	May 9, 1993
MAXIMUM PEAK STAGE			16.15	Jun 17	24.80	May 9, 1993
ANNUAL RUNOFF (AC-FT)	196,700		265,300		332,400	
10 PERCENT EXCEEDS	687		727		956	
50 PERCENT EXCEEDS	102		207		210	
90 PERCENT EXCEEDS	30		35		54	



07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--August 1988 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1988 to current year

pH: October 1988 to June 1991.

WATER TEMPERATURE: October 1988 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION.--Water quality monitor since October 1988.

REMARKS.--Interruptions in record were due to malfunction of the recording instrument, and the sensors being impeded by shallow depths and excessive sand movement. Samples were collected monthly and specific conductance, pH, water temperature, dissolved oxygen, and alkalinity were determined in the field.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum 2,710 microsiemens, Sept. 6, 2001; minimum 22 microsiemens, May 26, 2001.

pH: Maximum 9.1 units, June 27, 1991; minimum 6.3 units, Aug. 8, 1989.

WATER TEMPERATURE: Maximum 37.5°C, Aug. 7, 2003; minimum recorded, -0.2°C, Feb. 5, 2003.

DISSOLVED OXYGEN: Maximum 25.0 mg/L, Dec. 20, 2000; minimum 0.2 mg/L, June 25,26,27,29, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,240 microsiemens, May 27; minimum, 142 microsiemens, Aug. 21.

WATER TEMPERATURE: Maximum, 36.0°C, July 23; minimum, 0.0°C, Dec. 23-25.

DISSOLVED OXYGEN: Maximum, 19.2 mg/L, Aug. 3; minimum, 0.6 mg/L, July 14.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 05...	1345	1028	80020	7.99	57	741	3.0	9.7	114	8.0	748	34.1	21.8
NOV 09...	1645	1028	80020	7.78	36	736	3.1	10.2	111	8.1	709	19.5	17.7
DEC 14...	1700	1028	80020	8.57	217	747	2.8	12.0	103	8.3	1,080	7.4	7.6
JAN 11...	1600	1028	80020	8.15	120	731	10	12.6	110	7.7	1,330	3.1	7.5
FEB 15...	0815	1028	80020	9.25	441	728	5.6	11.1	106	7.9	1,360	6.9	10.7
MAR 02...	0915	1028	80020	9.60	558	734	3.7	15.9	138	8.0	1,380	2.7	7.5
APR 19...	0830	1028	80020	9.10	361	729	3.7	9.0	100	8.0	1,610	19.1	17.8
MAY 10...	0945	1028	80020	7.54	105	732	3.2	9.2	111	8.2	1,630	26.4	22.1
JUN 01...	1440	1028	80020	7.80	81	732	2.7	8.3	110	8.2	1,190	33.8	27.3
JUL 19...	1600	1028	80020	8.75	101	736	.5	8.4	121	8.7	1,020	36.7	32.7
AUG 16...	1045	1028	80020	8.14	62	740	3.5	7.2	89	7.9	717	28.7	24.1
SEP 13...	0900	1028	80020	7.87	35	732	1.2	6.2	77	8.3	598	25.3	24.0

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

Date	Hardness, water, mg/L as CaCO ₃ (00900)	Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, lab, mg/L as CaCO ₃ (90410)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT 05...	--	--	--	--	--	--	--	--	164	146	178	.0	--
NOV 09...	250	72	63.8	20.9	6.46	2	63.2	35	185	175	213	.0	86.0
DEC 14...	--	--	--	--	--	--	--	--	271	264	318	2	--
JAN 11...	--	--	--	--	--	--	--	--	272	253	299	5	--
FEB 15...	450	230	107	43.3	5.40	3	121	37	231	215	256	3	149
MAR 02...	--	--	--	--	--	--	--	--	202	192	229	2	--
APR 19...	--	--	--	--	--	--	--	--	209	202	240	3	--
MAY 10...	410	160	97.8	39.2	8.23	4	176	48	243	243	290	3	292
JUN 01...	--	--	--	--	--	--	--	--	221	208	246	4	--
JUL 19...	--	--	--	--	--	--	--	--	142	128	155	.0	--
AUG 16...	210	79	49.7	20.1	5.79	2	66.6	40	137	128	154	1	86.4
SEP 13...	--	--	--	--	--	--	--	--	129	126	152	.0	--

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

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 05...	--	--	--	--	--	--	--	16	.49	.89	.03	.025	4.43
NOV 09...	.6	13.6	92.6	463	.65	46.6	479	13	.68	1.3	.18	.142	7.94
DEC 14...	--	--	--	--	--	--	--	19	1.2	1.7	.46	.359	4.81
JAN 11...	--	--	--	--	--	--	--	<10	1.0	1.1	.44	.340	9.35
FEB 15...	.6	11.3	232	801	1.20	1,050	884	36	.48	.99	--	E.008	1.39
MAR 02...	--	--	--	--	--	--	--	58	.63	.97	.13	.103	3.07
APR 19...	--	--	--	--	--	--	--	53	1.1	1.7	.12	.093	.876
MAY 10...	.7	10.9	109	899	1.26	263	928	<10	.83	1.2	.12	.092	12.9
JUN 01...	--	--	--	--	--	--	--	60	.59	.60	.14	.111	3.48
JUL 19...	--	--	--	--	--	--	--	11	.96	.83	.02	.017	2.66
AUG 16...	.4	8.66	82.4	406	.58	71.9	426	15	.63	.63	.14	.105	6.47
SEP 13...	--	--	--	--	--	--	--	15	1.2	1.7	.21	.160	5.84

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED[illegible]

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

Date	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,4,5-T water unfltrd ug/L (39740)	2,4-D water unfltrd ug/L (39730)	2,4-DB surrog, Sch1304 wat unf percent recovry (90593)	CIAT, water, unfltrd ug/L (75981)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	26.9	<.01	5	M	<.4	<3	603	5	13	<.01	.10	76.6	<.2
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	4.4	<.01	7	M	1.5	<3	1,050	7	E5	<.01	.29	96.7	<.2
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	79.3	<.01	8	M	.7	<3	1,240	5	9	<.01	.11	73.5	<.2
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 16...	2.7	.02	4	M	<.4	<3	501	6	E5	<.01	.21	80.6	<.2
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	CEAT, water, unfltrd ug/L (75980)	Ala- chlor, water, unfltrd ug/L (77825)	Aldrin, water, unfltrd ug/L (39330)	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	alpha- HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Ametryn water unfltrd ug/L (82184)	Atra- zine, water, unfltrd ug/L (39630)	Broma- cil, water, unfltrd ug/L (30234)	Buta- chlor, water, unfltrd ug/L (30235)	Butyl- ate, water, unfltrd ug/L (30236)	Carbo- pheno- thion, water, unfltrd ug/L (39786)	Car- boxin, water, unfltrd ug/L (30245)	Chlor- dane, tech- nical, water, unfltrd ug/L (39350)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.2	<.1	<.001	<.001	73.0	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.2	<.1	<.001	<.001	59.1	<.1	.2	<.2	<.1	<.1	<.02	<.2	<.1
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.2	<.1	<.001	<.001	64.2	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
JUN 01...	--	--	--	--	--	--	--	--	--	--	<.02	--	--
JUL 19...	--	--	--	--	--	--	--	--	--	--	<.02	--	--
AUG 16...	<.2	<.1	<.001	<.001	83.1	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
SEP 13...	--	--	--	--	--	--	--	--	--	--	<.02	--	--

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

Date	Chlorpyrifos water unfltrd ug/L (38932)	Cyanazine, water, unfltrd ug/L (81757)	Cycloate, water, unfltrd ug/L (30254)	Diazinon, water, unfltrd ug/L (39570)	Di-chlor- prop, water, unfltrd ug/L (82183)	Dieldrin, water, unfltrd ug/L (39380)	Diphen- amid, water, unfltrd ug/L (30255)	Disulfoton, water, unfltrd ug/L (39011)	Endrin, water, unfltrd ug/L (39390)	Ethion, water, unfltrd ug/L (39398)	Fonofos water unfltrd ug/L (82614)	Hepta- chlor epoxide water unfltrd ug/L (39420)	Hepta- chlor, water, unfltrd ug/L (39410)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.01	<.2	<.1	<.02	<.02	<.001	<.1	<.10	<.002	<.01	<.01	<.001	<.001
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.01	<.2	<.1	<.02	<.02	<.001	<.1	--	<.002	<.01	<.01	<.001	<.001
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.01	<.2	<.1	.03	<.02	<.001	<.1	<.10	<.002	<.01	<.01	<.001	<.001
JUN 01...	<.01	--	--	E.01	--	--	--	--	--	<.01	<.01	--	--
JUL 19...	<.01	--	--	<.02	--	--	--	<.10	--	<.01	<.01	--	--
AUG 16...	<.01	<.2	<.1	<.02	<.02	E.001	<.1	<.10	<.002	<.01	<.01	<.001	<.001
SEP 13...	<.01	--	--	.03	--	--	--	<.10	--	<.01	<.01	--	--

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

Date	Hexa- zinone, water, unfltrd ug/L (30264)	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Iso- fenfos, surrog, Sch1319 wat unf percent recovry (90712)	Lindane water, unfltrd ug/L (39340)	Malathion, water, unfltrd ug/L (39530)	Methyl para- thion, water, unfltrd ug/L (39600)	Metola- chlor, water, unfltrd ug/L (82612)	Metri- buzin, water, unfltrd ug/L (82611)	Mirex, water, unfltrd ug/L (39755)	p,p'- DDD, water, unfltrd ug/L (39360)	p,p'- DDE, water, unfltrd ug/L (39365)	p,p'- DDT, water, unfltrd ug/L (39370)	p,p'- Meth- oxy- chlor, water, unfltrd ug/L (39480)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.2	75.4	73.0	<.0020	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.2	57.9	86.4	<.0020	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.2	62.2	81.9	<.0020	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
JUN 01...	--	--	92.8	--	<.10	<.01	--	--	--	--	--	--	--
JUL 19...	--	--	92.4	--	<.10	<.01	--	--	--	--	--	--	--
AUG 16...	<.2	79.3	91.3	<.0020	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
SEP 13...	--	--	86.3	--	<.10	<.01	--	--	--	--	--	--	--

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

Date	Para- thion, water, unfltrd ug/L (39540)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Phorate water unfltrd ug/L (39023)	Prome- ton, water, unfltrd ug/L (39056)	Prome- tryn, water, unfltrd ug/L (39057)	Propa- chlor, water, unfltrd ug/L (30295)	Propa- zine, water, unfltrd ug/L (39024)	Silvex, water, unfltrd ug/L (39760)	Sima- zine, water, unfltrd ug/L (39055)	Sime- tryn, water, unfltrd ug/L (39054)	Terba- cil, water unfltrd ug/L (30311)	Toxa- phene, water, unfltrd ug/L (39400)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.01	84.0	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.7	<.1	<.2	<.1
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.01	68.3	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.3	<.1	<.2	<.1
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.01	69.1	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.1	<.1	<.2	<.1
JUN 01...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--
JUL 19...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--
AUG 16...	<.01	91.9	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.1	<.1	<.2	<.1
SEP 13...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--

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

Date	Tribu- phos, water, unfltrd ug/L (39040)	Tri- flur- alin, water, unfltrd ug/L (39030)	Vernol- ate, water, unfltrd ug/L (30324)
OCT 05...	--	--	--
NOV 09...	<.02	<.1	<.1
DEC 14...	--	--	--
JAN 11...	--	--	--
FEB 15...	<.02	<.1	<.1
MAR 02...	--	--	--
APR 19...	--	--	--
MAY 10...	<.02	<.1	<.1
JUN 01...	<.02	--	--
JUL 19...	<.02	--	--
AUG 16...	<.02	<.1	<.1
SEP 13...	<.02	--	--

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	718	300	415	825	768	791	1,260	1,220	1,240
2	---	---	---	413	220	300	848	802	819	1,270	1,240	1,260
3	---	---	---	434	198	315	1,160	848	1,020	1,350	1,180	1,280
4	---	---	---	506	268	431	1,240	1,160	1,200	1,280	1,060	1,180
5	---	---	---	647	506	564	1,230	1,110	1,150	1,090	381	754
6	801	726	742	817	647	710	1,510	694	965	963	473	896
7	865	797	831	774	642	680	694	599	628	1,090	963	1,030
8	856	778	808	642	606	626	1,020	655	751	1,090	998	1,030
9	837	744	774	655	598	612	782	764	771	1,290	1,030	1,220
10	837	297	577	1,090	563	774	839	774	797	1,380	1,280	1,330
11	386	293	346	583	339	440	910	839	886	1,490	1,300	1,420
12	474	384	426	640	529	607	1,020	910	981	1,300	1,180	1,220
13	479	460	471	796	640	716	1,050	998	1,030	1,190	915	1,090
14	596	467	514	931	796	874	1,070	1,050	1,060	915	684	742
15	775	596	657	933	240	673	1,080	1,040	1,070	829	685	746
16	844	508	601	543	290	480	1,260	1,030	1,090	1,040	829	963
17	574	504	523	646	351	515	1,750	967	1,090	1,100	1,030	1,050
18	599	506	535	543	282	347	1,190	1,120	1,130	1,310	1,100	1,230
19	582	507	530	302	261	276	1,160	1,120	1,140	1,380	1,270	1,330
20	590	509	541	428	302	356	1,180	1,140	1,170	1,370	1,340	1,360
21	621	525	563	465	282	382	1,220	1,160	1,190	1,360	1,330	1,340
22	669	573	615	349	257	278	1,260	1,190	1,210	1,350	1,340	1,350
23	873	661	764	479	288	357	1,230	1,210	1,220	1,350	1,320	1,340
24	809	764	774	563	440	507	1,230	1,020	1,150	1,330	1,240	1,310
25	845	770	819	736	540	583	1,500	1,200	1,270	1,260	1,160	1,230
26	919	822	872	927	467	632	1,780	1,250	1,430	1,500	1,070	1,220
27	890	369	788	649	466	557	1,290	1,240	1,260	1,270	1,260	1,270
28	378	225	286	778	649	711	1,270	1,240	1,250	1,260	1,240	1,250
29	479	373	420	1,010	748	855	1,280	1,240	1,260	1,270	1,220	1,250
30	650	479	563	768	711	724	1,260	1,200	1,240	1,220	1,210	1,220
31	700	650	669	---	---	---	1,290	1,180	1,240	1,220	1,160	1,200
	FEBRUARY			MARCH			APRIL			MAY		
1	1,160	1,150	1,160	1,340	1,150	1,250	1,520	1,450	1,490	984	865	891
2	1,170	1,140	1,160	1,380	1,260	1,320	1,500	1,250	1,430	1,320	852	961
3	1,180	1,140	1,160	1,500	1,330	1,380	1,820	1,230	1,440	1,360	1,100	1,220
4	1,200	1,150	1,170	1,500	1,420	1,430	1,590	1,400	1,470	1,350	1,280	1,320
5	1,230	1,200	1,220	1,470	1,440	1,460	1,450	1,390	1,430	1,320	1,220	1,300
6	1,220	912	1,090	1,490	1,470	1,480	1,420	1,360	1,390	1,220	1,110	1,140
7	1,010	881	933	1,510	1,440	1,490	1,390	1,320	1,360	1,840	1,100	1,330
8	1,180	1,010	1,120	1,550	1,440	1,500	1,410	1,350	1,380	1,900	1,570	1,790
9	1,190	1,110	1,150	1,500	1,490	1,500	1,380	1,330	1,360	1,610	1,480	1,530
10	1,150	1,110	1,130	1,490	1,470	1,490	1,330	977	1,210	1,640	1,490	1,560
11	1,220	1,130	1,160	1,740	1,280	1,420	1,290	800	1,120	1,640	1,410	1,540
12	1,300	1,220	1,280	1,580	1,450	1,480	1,370	1,290	1,320	1,640	1,400	1,560
13	1,340	1,300	1,320	1,480	1,450	1,470	1,400	1,330	1,360	1,600	791	1,320
14	1,390	1,340	1,370	1,490	1,460	1,470	1,480	1,400	1,440	1,160	791	1,050
15	1,410	1,340	1,370	---	---	---	1,520	1,480	1,510	1,110	1,020	1,070
16	1,420	1,350	1,370	---	---	---	1,560	1,520	1,540	1,220	1,080	1,140
17	1,530	1,260	1,380	1,490	1,420	1,440	1,610	1,560	1,590	1,340	1,160	1,220
18	1,410	1,390	1,400	1,480	1,460	1,470	1,680	1,600	1,620	1,620	1,150	1,290
19	1,430	1,410	1,430	1,490	1,470	1,480	1,670	1,620	1,660	1,150	1,060	1,100
20	1,440	1,430	1,430	1,490	1,460	1,480	1,680	1,650	1,670	2,230	1,060	1,360
21	1,450	1,430	1,440	1,520	1,460	1,490	1,690	1,670	1,680	1,220	1,100	1,130
22	1,450	1,430	1,440	1,510	1,460	1,490	1,790	1,640	1,690	1,600	1,190	1,300
23	1,440	719	1,100	1,520	1,470	1,500	1,670	1,630	1,650	1,640	1,350	1,450
24	1,230	899	1,140	1,530	1,510	1,520	1,710	1,620	1,670	1,620	1,360	1,450
25	1,220	974	1,040	1,540	1,520	1,530	1,700	1,650	1,680	1,620	1,390	1,470
26	1,140	1,020	1,100	1,520	1,510	1,520	1,730	1,590	1,660	1,670	1,430	1,510
27	1,160	1,120	1,140	1,540	1,520	1,540	1,680	1,560	1,610	2,240	1,220	1,430
28	1,150	1,110	1,130	1,550	1,530	1,540	1,620	814	1,270	1,640	1,060	1,310
29	---	---	---	1,950	1,360	1,490	861	796	834	1,340	1,240	1,290
30	---	---	---	1,550	1,520	1,530	984	749	802	1,350	1,240	1,290
31	---	---	---	1,590	1,510	1,540	---	---	---	1,300	1,220	1,250

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,390	1,150	1,210	1,670	1,360	1,560	---	---	---	823	599	685
2	1,150	1,080	1,130	1,570	1,200	1,420	1,390	1,200	1,280	1,490	779	1,050
3	1,120	987	1,040	1,490	1,410	1,450	1,410	1,220	1,300	810	482	647
4	1,610	1,100	1,270	1,430	655	1,020	2,030	1,150	1,450	---	---	---
5	1,620	524	1,090	889	752	823	1,240	986	1,100	---	---	---
6	673	520	584	1,110	749	1,020	1,060	974	1,010	---	---	---
7	1,620	673	971	1,150	1,000	1,070	1,180	1,030	1,060	---	---	---
8	1,020	928	961	1,060	936	978	1,190	518	727	---	---	---
9	1,290	274	886	963	702	910	1,030	664	815	1,030	902	979
10	914	362	636	853	536	761	1,040	924	982	1,030	983	1,000
11	648	468	550	881	825	850	1,260	991	1,160	1,030	202	917
12	679	509	644	1,010	881	966	1,270	1,170	1,220	559	202	464
13	546	354	401	1,100	987	1,050	1,190	649	1,030	740	559	610
14	552	338	419	1,170	869	1,020	885	503	682	850	338	625
15	766	255	442	1,180	869	1,070	763	613	727	429	233	311
16	775	683	750	1,230	1,180	1,220	921	723	773	473	330	415
17	683	229	375	1,200	953	1,030	831	789	804	676	400	519
18	594	306	477	1,010	936	975	911	750	804	643	564	609
19	594	519	550	962	919	943	1,130	911	962	689	643	662
20	546	516	531	929	819	881	1,130	1,010	1,060	803	689	742
21	718	546	587	---	---	---	1,130	142	614	834	674	730
22	658	561	597	---	---	---	739	455	647	698	680	684
23	882	658	725	---	---	---	572	449	514	723	687	705
24	1,380	882	1,150	900	864	884	596	501	545	754	696	729
25	1,520	1,380	1,440	910	875	893	675	593	616	763	712	742
26	1,550	1,520	1,540	925	899	914	856	673	731	786	738	754
27	1,640	1,520	1,560	---	---	---	1,040	853	895	769	736	750
28	1,700	1,580	1,650	---	---	---	1,110	1,030	1,060	939	769	830
29	1,690	1,610	1,660	---	---	---	1,110	286	513	1,020	818	933
30	1,680	1,660	1,670	---	---	---	686	392	488	899	802	838
31	---	---	---	---	---	---	599	480	524	---	---	---

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	22.6	19.0	20.8	18.9	17.2	18.0	8.5	5.3	6.8	15.2	13.0	13.9
2	21.8	15.8	18.8	17.8	12.4	14.8	9.8	5.8	7.6	14.4	11.5	13.5
3	22.4	15.0	18.5	12.4	10.8	11.5	9.7	5.4	7.4	11.5	8.9	9.6
4	24.0	18.2	20.7	13.4	9.8	11.7	9.9	5.7	7.7	9.0	7.3	8.0
5	22.9	18.6	20.9	15.4	10.6	13.0	11.1	7.9	9.5	7.3	2.7	5.1
6	20.7	18.1	19.5	16.8	12.3	14.7	10.3	9.1	9.8	3.6	1.4	2.7
7	22.3	18.8	20.2	17.2	13.1	15.4	11.0	8.1	9.5	4.6	2.5	3.6
8	25.7	20.2	22.5	16.9	13.5	15.3	10.9	8.7	9.9	6.1	2.8	4.4
9	22.9	19.8	21.2	16.4	12.7	14.4	11.1	7.3	9.5	10.1	4.9	7.3
10	19.8	17.7	18.7	13.3	11.8	12.5	10.5	7.1	8.8	12.4	8.3	10.2
11	17.7	16.5	17.3	13.5	9.1	11.0	9.9	6.1	8.3	10.8	6.7	8.4
12	18.9	14.8	16.7	10.6	8.4	9.4	10.9	7.8	9.3	10.1	6.6	8.3
13	20.4	15.6	17.8	10.7	8.6	9.7	9.1	5.5	7.1	7.5	4.6	6.1
14	18.4	14.0	16.4	11.6	9.8	10.7	7.3	3.7	5.9	5.5	3.2	4.4
15	20.5	13.9	16.9	11.8	11.0	11.3	6.6	3.1	5.0	4.1	1.9	3.1
16	17.9	13.9	16.3	14.3	11.7	12.8	8.7	5.0	6.6	4.2	2.1	3.0
17	17.9	15.1	16.6	15.5	14.3	15.0	10.1	5.3	7.6	4.6	1.2	2.7
18	20.9	16.5	18.5	15.1	13.9	14.5	8.9	5.9	7.6	4.3	1.2	2.5
19	19.6	16.6	17.7	14.8	14.0	14.6	7.9	4.9	6.5	5.2	1.4	2.8
20	20.0	16.3	18.0	14.4	13.3	13.8	8.3	3.9	6.4	5.8	1.9	3.5
21	21.5	17.7	19.7	13.7	11.7	12.4	8.2	5.3	6.8	6.7	2.7	4.5
22	21.5	20.0	21.0	12.2	11.0	11.2	5.6	1.9	3.0	5.7	3.2	4.5
23	21.7	18.0	19.6	12.1	11.1	11.5	1.9	0.0	0.9	5.9	2.5	3.9
24	21.0	16.1	18.5	11.9	9.2	10.3	2.9	0.0	1.1	7.1	2.6	4.5
25	21.8	19.3	20.3	11.1	7.5	9.3	5.4	0.0	2.0	9.3	4.3	6.6
26	22.2	20.2	21.0	12.4	8.8	10.6	6.0	2.2	4.1	8.9	6.2	7.8
27	21.1	20.1	20.6	12.0	9.2	10.3	7.5	4.6	5.9	7.2	5.3	5.9
28	21.7	20.1	20.8	9.6	7.4	8.6	9.3	5.0	7.1	5.8	4.6	5.3
29	23.7	20.0	21.5	9.7	8.0	9.2	10.5	7.4	9.0	5.7	4.9	5.3
30	20.0	16.0	18.1	8.0	6.8	7.4	14.2	10.5	12.0	5.3	4.6	4.8
31	17.9	17.1	17.5	---	---	---	13.6	10.5	12.2	5.7	4.5	5.1
FEBRUARY			MARCH			APRIL			MAY			
1	5.4	4.6	4.9	10.5	6.7	8.4	16.7	10.5	13.7	17.8	13.9	15.5
2	6.0	4.1	5.0	13.9	7.1	10.3	19.9	10.4	15.1	16.0	12.8	14.4
3	8.2	3.3	5.7	12.8	9.0	10.9	20.1	12.3	16.2	16.3	12.8	14.6
4	8.8	3.8	6.4	15.5	9.5	12.3	21.8	13.5	17.5	16.1	12.7	14.3
5	8.9	4.7	7.0	14.3	10.1	12.2	21.3	16.0	18.5	19.0	14.4	16.4
6	8.3	6.8	7.5	15.5	10.7	13.0	18.6	14.6	15.8	25.0	14.9	19.4
7	7.8	6.6	7.2	14.1	11.8	12.9	20.4	13.4	16.5	20.3	17.0	18.8
8	7.2	5.8	6.5	15.0	9.8	12.4	20.2	13.7	17.2	26.6	17.3	21.1
9	8.1	4.0	6.1	14.6	10.8	12.6	21.1	15.1	18.0	28.9	17.5	22.6
10	9.9	4.3	7.0	15.1	9.9	12.3	19.2	16.0	17.5	30.7	20.4	24.9
11	10.1	5.6	7.9	15.8	9.5	12.5	18.9	16.1	17.6	28.9	21.5	24.7
12	9.2	7.3	8.3	17.5	10.8	14.0	20.0	13.2	16.4	24.7	20.8	22.6
13	13.4	9.0	10.9	14.6	9.1	11.7	19.9	13.9	17.0	22.4	18.7	20.8
14	13.0	7.6	10.4	14.4	10.0	12.1	22.7	14.5	18.3	26.5	19.2	22.4
15	13.5	9.0	11.1	---	---	---	23.0	14.6	18.9	22.9	18.2	20.5
16	10.7	7.7	8.9	---	---	---	23.2	16.2	19.8	26.3	16.6	20.9
17	11.4	7.1	9.4	14.5	8.8	11.4	23.3	17.4	20.3	27.3	17.0	21.8
18	11.2	8.0	9.7	15.9	8.9	12.2	20.6	17.1	18.9	25.1	18.9	22.0
19	10.2	9.0	9.6	14.7	9.5	12.1	21.4	17.3	19.4	30.0	20.5	24.6
20	15.2	10.2	12.5	16.7	9.6	12.9	23.9	18.3	20.7	34.3	23.3	28.2
21	13.2	9.9	11.5	15.8	12.0	13.8	24.8	18.9	21.8	34.3	24.0	29.0
22	12.2	10.0	11.0	13.9	10.5	11.9	22.2	17.7	19.5	34.0	23.6	28.6
23	10.8	9.0	9.7	13.8	9.9	11.6	20.5	12.9	16.7	31.3	23.7	27.4
24	12.1	8.4	9.9	15.6	10.0	12.6	21.0	13.3	17.3	33.7	23.2	27.8
25	12.1	8.0	10	14.8	10.6	12.7	21.0	15.3	18.3	27.6	22.5	25.0
26	11.4	9.3	10.3	12.8	9.8	10.6	20.9	14.5	17.8	25.8	19.8	22.7
27	10.4	8.9	9.6	13.8	8.8	11.0	23.0	15.6	19.1	23.0	19.7	21.2
28	11.7	7.6	9.5	16.8	8.9	12.8	22.2	16.5	19.4	26.7	17.3	21.9
29	---	---	---	18.7	12.2	15.4	20.3	12.9	15.6	26.7	21.2	23.7
30	---	---	---	19.4	12.4	15.9	21.8	10.7	15.2	27.0	21.0	23.4
31	---	---	---	17.1	12.2	14.9	---	---	---	28.0	20.8	23.6

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.2	20.9	24.7	30.0	25.7	27.9	---	---	---	33.0	23.7	28.3
2	30.7	22.2	26.3	31.4	25.1	28.0	34.5	25.7	29.9	33.0	25.0	28.8
3	29.2	22.7	25.6	33.1	25.0	29.2	34.4	25.8	30.1	31.2	25.0	28.1
4	32.1	22.5	26.1	30.4	23.8	25.9	32.2	26.2	29.1	---	---	---
5	24.6	22.0	23.3	29.0	23.5	26.0	30.9	25.1	27.9	---	---	---
6	32.4	22.0	26.6	31.6	24.6	27.8	32.5	25.0	28.1	---	---	---
7	31.6	23.8	27.4	29.7	25.0	27.5	33.9	25.8	29.2	---	---	---
8	33.3	24.0	28.3	32.6	24.5	28.5	31.6	24.4	27.8	---	---	---
9	27.7	22.1	24.9	32.6	26.0	29.2	33.6	25.1	29.1	30.3	23.0	26.6
10	26.7	22.5	25.2	32.9	24.7	29.0	34.3	25.8	29.8	30.2	22.1	26.2
11	27.9	21.3	24.8	32.7	25.6	29.4	33.0	25.6	29.2	27.0	23.6	25.3
12	29.8	23.1	25.9	34.3	26.1	30.1	31.7	25.1	28.0	29.7	23.7	26.1
13	28.2	22.6	24.9	34.5	26.2	30.3	29.1	24.5	26.3	31.4	23.3	27.0
14	29.5	23.4	26.3	31.9	26.9	29.4	26.6	25.2	25.6	27.1	23.9	24.9
15	27.6	24.1	25.4	32.7	26.5	29.6	26.6	24.5	25.4	24.5	22.5	23.8
16	28.1	24.4	26.3	34.3	26.6	30.3	26.5	23.7	25.1	26.9	19.6	22.9
17	26.5	22.0	24.0	32.4	26.0	29.5	33.0	24.3	28.1	26.3	22.6	24.1
18	26.8	23.4	25.1	32.4	25.6	29.0	33.3	25.2	28.9	28.4	23.3	25.5
19	28.2	24.8	26.3	33.6	26.2	29.7	33.5	25.1	29.1	30.5	23.3	26.7
20	30.8	23.6	27.1	33.8	26.3	29.9	34.4	25.9	29.5	32.6	25.0	28.5
21	32.6	24.8	28.4	34.5	25.5	29.9	28.9	24.1	26.4	30.7	25.4	28.0
22	31.2	24.9	27.9	34.8	26.8	30.7	28.6	24.8	26.8	30.5	24.4	27.5
23	31.4	25.7	28.4	36.0	27.4	30.9	30.0	25.4	27.5	30.5	24.3	27.4
24	31.3	26.0	28.5	33.0	26.9	30.1	33.2	25.8	29.4	29.4	24.7	27.1
25	31.4	26.4	28.8	32.5	26.3	29.5	33.8	26.0	29.9	31.1	23.9	27.4
26	31.8	26.4	29.0	29.0	24.6	27.0	35.0	26.5	30.6	28.9	23.8	26.5
27	31.9	26.5	29.0	---	---	---	31.5	26.9	28.7	29.1	21.4	25.3
28	31.7	26.3	28.8	---	---	---	33.0	24.2	28.3	30.0	21.4	25.8
29	32.0	25.8	29.0	---	---	---	29.0	23.1	26.3	23.1	16.7	20.1
30	32.7	26.1	29.2	---	---	---	32.3	23.5	27.7	24.6	18.1	21.1
31	---	---	---	---	---	---	33.2	24.3	28.5	---	---	---

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.7	7.2	8.0	---	---	---	11.9	10.7	11.4	16.8	10.3	12.7
2	10.9	7.0	8.7	---	---	---	10.7	10.1	10.4	14.8	10.0	11.8
3	12.2	7.1	9.4	---	---	---	10.5	10.1	10.3	14.7	11.2	12.7
4	11.0	6.6	8.7	---	---	---	10.5	10.2	10.3	13.4	12.3	12.9
5	10.4	6.6	8.2	---	---	---	10.4	9.6	9.9	15.3	12.9	13.8
6	9.9	6.8	8.0	---	---	---	11.1	9.5	10.4	15.9	14.6	15.4
7	9.1	6.7	7.4	---	---	---	10.8	10.0	10.5	15.2	14.0	14.7
8	9.8	5.9	7.3	---	---	---	10.8	9.8	10.2	14.0	13.6	13.8
9	9.1	3.5	6.2	---	---	---	11.1	10.0	10.7	13.6	10.4	12.4
10	7.4	5.5	6.5	10.6	9.2	9.9	11.4	10.1	10.9	10.6	9.0	10.1
11	7.7	7.4	7.6	11.4	9.5	10.3	11.5	10.1	11.0	12.3	9.5	11.0
12	8.1	6.9	7.7	12.3	11.1	11.9	10.9	10.0	10.5	13.2	11.7	12.4
13	7.6	6.4	7.2	11.9	10.8	11.4	---	---	---	13.1	12.1	12.5
14	8.1	6.8	7.5	11.8	10.6	11.2	---	---	---	12.4	11.8	12.1
15	8.0	6.5	7.2	12.0	10.4	11.4	13.2	11.7	12.5	12.0	11.1	11.7
16	9.6	7.1	8.4	12.0	10.9	11.7	12.7	11.2	12.2	11.1	10.0	10.7
17	8.7	7.4	7.9	10.9	10.3	10.6	11.8	10.7	11.1	---	---	---
18	9.1	6.8	7.6	10.7	9.9	10.4	13.2	11.5	12.3	---	---	---
19	8.3	5.3	6.9	10.9	10.7	10.8	14.1	11.5	12.8	---	---	---
20	---	---	---	11.4	10.9	11.2	13.9	11.6	13.0	---	---	---
21	---	---	---	12.1	11.3	11.8	14.7	11.4	13.1	---	---	---
22	---	---	---	12.2	11.6	12.1	15.6	13.0	14.4	---	---	---
23	---	---	---	11.6	10.8	11.2	16.0	14.9	15.5	---	---	---
24	---	---	---	11.6	10.9	11.2	15.2	13.4	14.4	---	---	---
25	---	---	---	11.0	10.0	10.6	14.7	12.6	14.0	---	---	---
26	---	---	---	10.6	9.2	10.1	15.3	13.4	14.4	---	---	---
27	---	---	---	9.4	8.8	9.2	15.5	13.1	14.2	---	---	---
28	---	---	---	---	---	---	15.4	12.6	14.1	---	---	---
29	---	---	---	---	---	---	16.9	12.0	13.9	---	---	---
30	---	---	---	---	---	---	16.9	11.4	13.5	---	---	---
31	---	---	---	---	---	---	17.5	10.3	13.3	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	15.6	13.9	14.8	12.8	10.2	11.6	---	---	---
2	14.2	13.2	13.6	14.8	11.3	13.1	11.9	8.6	10.4	---	---	---
3	14.1	12.7	13.5	13.1	10.7	12.0	10.0	8.6	9.4	---	---	---
4	13.9	12.5	13.3	13.0	11.0	12.1	---	---	---	---	---	---
5	13.9	12.2	13.1	13.6	11.2	12.2	---	---	---	10.5	7.2	9.6
6	12.6	12.1	12.3	13.7	11.0	12.2	---	---	---	8.8	5.5	7.8
7	12.8	11.8	12.3	13.1	10.8	11.7	---	---	---	9.2	4.8	7.4
8	13.2	12.4	12.7	13.3	11.2	12.1	---	---	---	10.0	5.8	8.2
9	13.7	12.4	13.0	13.0	11.2	12.0	---	---	---	13.5	3.8	8.2
10	13.6	12.2	13.0	12.9	11.3	12.1	---	---	---	14.1	5.8	9.3
11	13.6	12.2	12.9	12.2	10.9	11.4	---	---	---	13.4	4.7	8.8
12	13.5	11.7	12.5	12.0	10.3	11.2	---	---	---	11.4	3.3	7.2
13	13.3	11.2	12.0	12.8	10.4	11.9	---	---	---	7.6	2.5	5.8
14	13.8	10.8	12.2	13.1	11.6	12.3	10.5	8.5	9.6	9.8	6.8	8.1
15	14.5	10.8	12.6	---	---	---	11.1	8.5	9.8	8.9	6.9	8.0
16	15.3	11.9	13.2	---	---	---	11.0	8.6	9.8	9.6	7.8	8.5
17	15.8	12.0	13.5	---	---	---	11.1	8.7	9.9	10.5	7.7	8.9
18	15.8	12.5	13.9	12.9	9.9	11.7	11.3	9.1	10.2	11.7	7.9	9.4
19	14.5	12.6	13.3	13.6	10.0	12.3	10.2	8.8	9.6	11.3	6.7	8.7
20	14.0	11.8	12.9	12.8	9.9	11.8	11.1	8.8	9.7	10.3	5.7	7.8
21	14.5	12.0	13.2	13.3	9.7	11.1	11.6	8.7	10.1	9.4	4.4	6.9
22	14.8	12.7	13.5	12.6	10.6	11.5	11.9	7.9	10.2	12.1	4.9	7.9
23	13.2	12.5	13.0	13.0	10.8	11.9	12.5	9.6	11.4	14.7	4.2	8.7
24	13.9	13.1	13.6	12.3	10.4	11.6	12.6	10.1	11.4	14.0	3.9	8.4
25	14.0	12.7	13.6	12.9	10.4	11.5	12.2	10.0	10.9	11.8	4.2	7.5
26	13.8	12.3	13.4	13.2	10.7	11.8	---	---	---	13.2	5.0	8.6
27	13.9	13.5	13.7	13.5	11.3	12.3	---	---	---	10.1	6.2	7.9
28	14.5	13.7	14.1	13.4	10.6	12.2	---	---	---	11.6	6.3	8.6
29	---	---	---	11.1	9.8	10.4	---	---	---	13.3	6.1	9.1
30	---	---	---	12.0	9.4	10.7	---	---	---	14.0	6.3	9.4
31	---	---	---	12.7	9.3	11.0	---	---	---	12.8	5.9	9.1

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

[illegible]

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK

LOCATION.--Lat 35°30'01", long 97°11'37", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.12 N., R.1 E., Oklahoma County, Hydrologic Unit 11100302, on left bank downstream side county road bridge, 2.2 mi northwest of Harrah, 3.8 mi downstream from Choctaw Creek, and at mile 230.0.

DRAINAGE AREA.--13,501 mi², of which 4,899 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,055.69 ft above NGVD of 1929. June 19, 1981 to May 31, 1987, gage 0.8 mi downstream at same datum.

REMARKS.--Records fair. Flow regulated by Canton Lake (station 07238500) and by Lake Overholser (station 07240500) where diversions are made into Lake Hefner Canal (station 07240000). Low flow sustained in part by sewage effluent from Oklahoma City. U.S. Geological Survey's satellite telemeter located at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	553	495	178	e484	639	e321	185	152	617	113	e164
2	e149	1,060	274	179	e502	767	e269	215	213	692	113	e126
3	e141	902	207	203	e511	654	e179	391	126	332	111	e137
4	e125	1,080	199	403	e468	686	e150	410	91	996	107	e210
5	e160	409	183	1,230	e571	587	e185	386	99	1,270	131	e191
6	138	288	221	498	e940	578	e196	201	438	570	157	e169
7	122	300	634	364	e782	586	e231	156	135	488	134	e147
8	130	309	275	320	e607	e679	269	149	161	358	192	e127
9	138	281	342	233	e597	e563	425	141	108	285	204	e96
10	330	201	390	202	e553	e533	463	138	418	289	133	e81
11	3,190	324	349	191	e493	e380	609	126	801	418	114	e78
12	942	260	262	235	e498	e428	648	127	805	497	112	e184
13	473	205	240	e504	e472	e461	626	183	1,450	436	120	e169
14	316	178	263	e549	e478	e553	642	688	762	299	e140	e140
15	270	218	299	e436	e462	e501	470	376	1,310	1,060	608	e559
16	306	1,140	244	e373	e532	e524	463	187	1,510	473	274	e421
17	381	540	179	e776	e541	e546	477	148	2,110	422	357	e614
18	352	2,690	196	e681	e561	e491	521	135	2,110	287	174	e1,070
19	320	2,590	211	e736	e559	e505	492	244	1,970	249	139	e565
20	329	1,690	213	e823	e521	e507	523	129	1,250	238	130	e259
21	323	1,810	244	e912	e535	e565	522	125	553	199	333	e180
22	332	2,700	375	e782	e532	e559	509	98	728	161	1,040	e406
23	299	1,920	e130	e758	e1,610	e536	427	92	899	149	1,240	e348
24	233	2,000	e115	e758	e1,100	e522	274	93	769	211	454	e198
25	203	770	132	e635	e1,040	e495	249	83	803	223	255	e171
26	195	706	131	e392	710	e489	245	92	798	213	183	e162
27	200	954	178	e538	775	e472	237	107	790	179	164	e154
28	745	861	188	e639	860	e458	210	149	617	136	152	e131
29	425	386	188	e724	---	e312	250	123	670	129	425	e106
30	258	672	185	e654	---	340	224	106	592	122	450	e128
31	212	---	184	e544	---	e303	---	104	---	116	e250	---
TOTAL	11,867	27,997	7,726	16,450	18,283	16,144	11,217	5,841	23,164	12,577	8,668	7,491
MEAN	383	933	249	531	653	521	374	188	772	406	280	250
MAX	3,190	2,700	634	1,230	1,610	767	648	642	2,110	1,270	1,240	1,070
MIN	122	178	115	178	462	303	150	83	91	116	107	78
AC-FT	23,540	55,530	15,320	32,630	36,260	32,020	22,250	11,590	45,950	24,950	17,190	14,860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

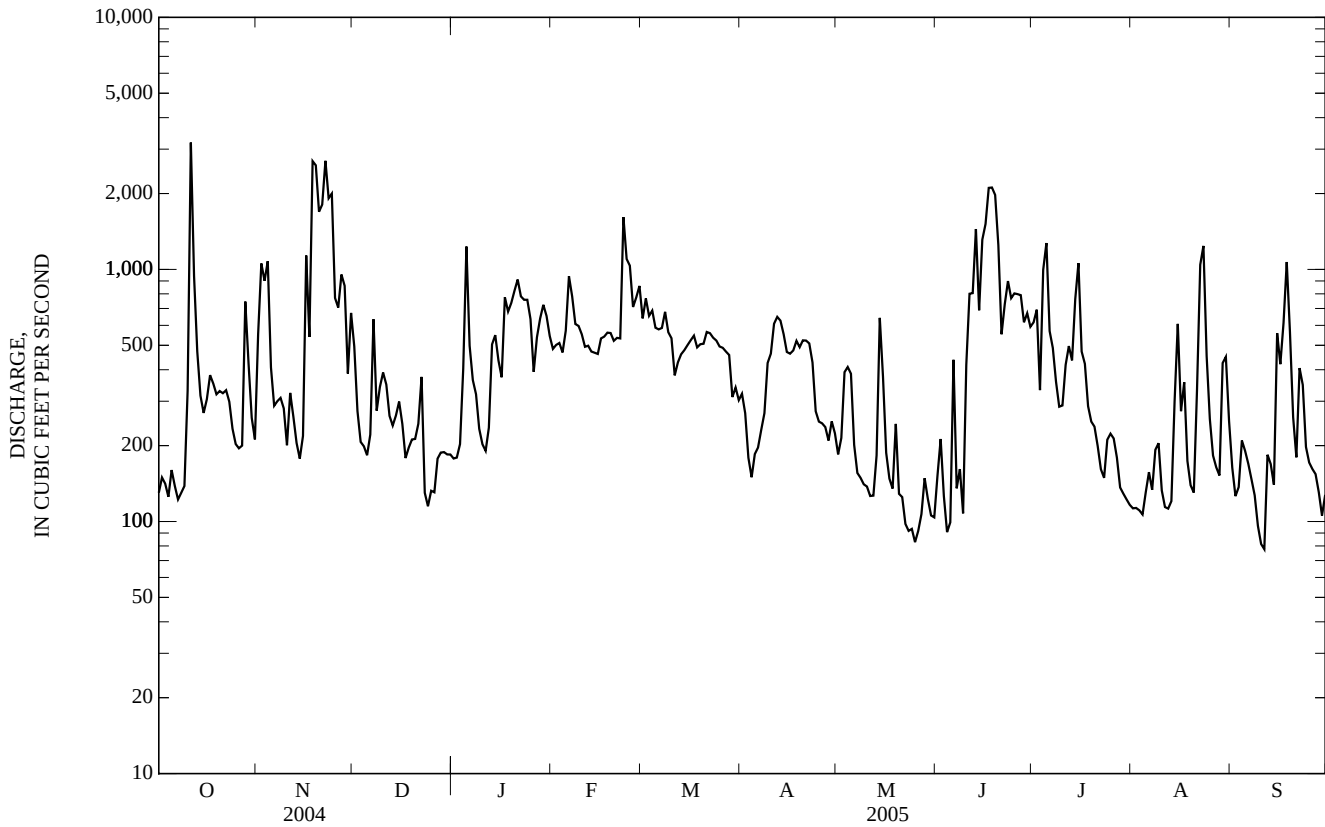
MEAN	421	392	327	331	390	592	578	886	880	389	275	311
MAX	3,634	1,627	1,209	1,351	1,293	2,596	2,312	4,265	4,041	1,154	1,228	1,699
(WY)	(1987)	(1975)	(1992)	(1998)	(1987)	(1990)	(1988)	(1993)	(1989)	(1989)	(1989)	(1989)
MIN	71.3	56.7	68.1	58.3	61.1	76.1	76.6	79.5	75.5	83.1	54.5	64.0
(WY)	(1970)	(1970)	(1977)	(1970)	(1970)	(1971)	(1971)	(1971)	(1972)	(2003)	(1972)	(1972)

e Estimated

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	134,947		167,425		481	
ANNUAL MEAN	369		459		93.0	
HIGHEST ANNUAL MEAN					1,322	
LOWEST ANNUAL MEAN					93.0	
HIGHEST DAILY MEAN	3,950	Aug 12	3,190	Oct 11	20,000	May 29, 1987
LOWEST DAILY MEAN	86	Jan 2	78	Sep 11	28	Aug 8, 1972
ANNUAL SEVEN-DAY MINIMUM	91	Jan 1	99	May 21	31	Jul 30, 1972
MAXIMUM PEAK FLOW			4,590	Oct 11	27,200	May 29, 1987
MAXIMUM PEAK STAGE			11.34	Oct 11	a22.64	May 29, 1987
ANNUAL RUNOFF (AC-FT)	267,700		332,100		348,500	
10 PERCENT EXCEEDS	772		838		1,020	
50 PERCENT EXCEEDS	211		340		225	
90 PERCENT EXCEEDS	114		129		75	

a At present site.



07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1968 to current year.

pH: October 1988 to current year.

WATER TEMPERATURE: October 1968 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1988.

REMARKS.--Interruptions in record were due to malfunctions of the recording instrument and extended periods of excessive movement of sand impeding streamflow from passing by the sensors. Samples were collected monthly and specific conductance, pH, water temperature, dissolved oxygen, and alkalinity were determined in the field.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily (observed), 4,700 microsiemens, Sept. 25, 1980; minimum, 125 microsiemens, Apr. 21, 1990.

pH: Maximum, 9.9 units, July 25, 2002; minimum, 6.2 units, May 19, 2003.

WATER TEMPERATURE: Maximum daily (observed), 36.0°C, July 11, 1982; minimum, -0.1°C, Jan. 24, 2003.

DISSOLVED OXYGEN: Maximum, 22.9 mg/L, Sept. 24, 1999; minimum, 0.2 mg/L, July 27, 2003, May 21, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,600 microsiemens, Apr. 29; minimum, 284 microsiemens, Nov. 2.

pH: Maximum, 9.2 units, July 11; minimum, 7.3 units, Feb. 7-9, Sept. 13-14.

WATER TEMPERATURE: Maximum, 35.9°C, July 22; minimum, 0.6°C Dec. 23.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L, June 25; minimum, 0.2 mg/L, May 21.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 05...	1230	1028	80020	6.02	172	743	2.7	9.9	114	8.0	819	35.5	20.7
NOV 09...	1400	1028	80020	6.35	256	739	2.7	10.6	115	8.1	815	21.4	17.5
DEC 14...	1430	1028	80020	6.32	250	747	3.0	11.8	105	8.2	1,060	6.4	9.2
JAN 11...	1400	1028	80020	6.10	192	729	6.9	10.1	93	7.8	970	1.5	9.5
FEB 15...	1045	1028	80020	6.70	386	731	2.8	11.0	106	8.2	1,320	10.8	11.7
MAR 02...	1100	1028	80020	7.94	947	736	6.5	16.7	155	7.8	1,320	13.5	10.4
APR 19...	1100	1028	80020	6.98	523	732	2.0	9.5	106	8.3	1,490	21.3	18.6
MAY 10...	1245	1028	80020	5.87	146	732	1.9	11.0	139	8.3	1,140	31.1	25.2
JUN 01...	1315	1028	80020	5.93	139	734	2.3	8.9	112	8.1	1,020	31.9	24.7
JUL 19...	1430	1028	80020	6.46	249	736	.6	11.8	168	8.7	995	35.7	32.1
AUG 16...	0800	1028	80020	6.61	290	739	7.0	7.7	95	7.5	772	27.3	24.5
SEP 13...	1100	1028	80020	6.15	169	732	1.6	7.7	99	8.1	657	30.7	25.8

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

Date	Hardness, water, mg/L as CaCO ₃ (00900)	Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, lab, mg/L as CaCO ₃ (90410)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT 05...	--	--	--	--	--	--	--	--	131	115	140	.0	--
NOV 09...	230	83	59.3	20.2	7.91	2	75.4	40	170	149	182	.0	74.2
DEC 14...	--	--	--	--	--	--	--	--	233	223	261	6	--
JAN 11...	--	--	--	--	--	--	--	--	224	208	247	4	--
FEB 15...	400	200	94.6	38.5	6.17	3	115	38	223	200	237	3	139
MAR 02...	--	--	--	--	--	--	--	--	200	184	220	2	--
APR 19...	--	--	--	--	--	--	--	--	197	189	225	3	--
MAY 10...	300	100	75.3	28.0	9.85	3	121	46	193	202	238	4	153
JUN 01...	--	--	--	--	--	--	--	--	163	155	187	1	--
JUL 19...	--	--	--	--	--	--	--	--	150	148	178	1	--
AUG 16...	220	98	52.2	20.6	6.90	2	78.1	43	129	118	142	1	99.6
SEP 13...	--	--	--	--	--	--	--	--	109	102	122	1	--

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

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 05...	--	--	--	--	--	--	--	25	.76	1.1	.04	.030	24.7
NOV 09...	.5	11.8	72.1	428	.60	307	444	47	.53	1.0	--	E.006	13.1
DEC 14...	--	--	--	--	--	--	--	20	.77	1.1	.21	.164	15.3
JAN 11...	--	--	--	--	--	--	--	12	1.0	1.1	.45	.346	14.2
FEB 15...	.7	10.9	193	727	1.08	830	796	44	.50	1.1	--	<.010	7.71
MAR 02...	--	--	--	--	--	--	--	142	.61	1.1	.06	.045	4.97
APR 19...	--	--	--	--	--	--	--	71	1.3	2.1	.12	.097	9.65
MAY 10...	.8	11.3	102	656	.90	261	663	25	.70	1.2	--	E.008	26.2
JUN 01...	--	--	--	--	--	--	--	40	.71	1.1	.03	.023	32.7
JUL 19...	--	--	--	--	--	--	--	25	.74	1.2	.02	.017	15.3
AUG 16...	.5	7.45	109	458	.64	368	470	96	.60	1.1	.03	.020	10.1
SEP 13...	--	--	--	--	--	--	--	25	.67	.93	.03	.021	9.89

ARKANSAS RIVER BASIN

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, fltrd, mg/L (00607)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT 05...	5.57	5.64	.240	.073	.73	1.0	6.4	6.7	3.01	.981	.91	1.03	--
NOV 09...	2.95	2.98	.108	.033	--	--	3.5	4.0	2.45	.800	.82	.89	10.4
DEC 14...	3.45	3.51	.191	.058	.60	.97	4.3	4.6	1.72	.562	.58	.66	--
JAN 11...	3.21	3.31	.332	.101	.67	.79	4.3	4.4	3.00	.978	.92	1.03	--
FEB 15...	1.74	1.76	.059	.018	--	--	2.3	2.9	.604	.197	.24	.37	9.7
MAR 02...	1.12	1.15	.079	.024	.56	1.0	1.8	2.2	.546	.178	.188	.35	--
APR 19...	2.18	2.19	.039	.012	1.2	2.0	3.5	4.3	2.24	.729	.74	.87	--
MAY 10...	5.93	6.02	.302	.092	--	--	6.7	7.3	5.44	1.77	1.72	1.74	9.3
JUN 01...	7.38	7.47	.299	.091	.69	1.1	8.2	8.6	4.86	1.58	1.63	1.80	--
JUL 19...	3.46	3.51	.145	.044	.72	1.2	4.2	4.7	3.06	.998	1.01	1.10	--
AUG 16...	2.28	2.34	.177	.054	.58	1.1	2.9	3.4	1.74	.566	.63	.74	12.7
SEP 13...	2.23	2.45	.710	.216	.65	.91	3.1	3.4	3.72	1.21	E.003	1.36	--

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

[illegible]

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

Date	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,4,5-T water unfltrd ug/L (39740)	2,4-D water unfltrd ug/L (39730)	2,4-DB surrog, Sch1304 wat unf percent recovry (90593)	CIAT, water, unfltrd ug/L (75981)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	4.7	<.01	6	M	.4	<3	658	6	14	<.01	.09	65.7	<.2
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	5.8	<.01	6	M	1.6	<3	1,000	6	7	<.01	.23	87.8	<.2
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	10.5	<.01	8	M	.5	<3	911	6	16	<.01	.03	90.3	<.2
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 16...	1.7	.02	6	M	E.2	<3	542	7	E5	<.01	.21	82.8	<.2
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	CEAT, water, unfltrd ug/L (75980)	Ala- chlor, water, unfltrd ug/L (77825)	Aldrin, water, unfltrd ug/L (39330)	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	alpha- HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Ametryn water unfltrd ug/L (82184)	Atra- zine, water, unfltrd ug/L (39630)	Broma- cil, water, unfltrd ug/L (30234)	Buta- chlor, water, unfltrd ug/L (30235)	Butyl- ate, water, unfltrd ug/L (30236)	Carbo- pheno- thion, water, unfltrd ug/L (39786)	Car- boxin, water, unfltrd ug/L (30245)	Chlor- dane, tech- nical, water, unfltrd ug/L (39350)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.2	<.1	<.001	<.001	69.8	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.2	<.1	<.001	<.001	75.8	<.1	.2	<.2	<.1	<.1	<.02	<.2	<.1
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.2	<.1	<.001	<.001	62.8	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
JUN 01...	--	--	--	--	--	--	--	--	--	--	<.02	--	--
JUL 19...	--	--	--	--	--	--	--	--	--	--	<.02	--	--
AUG 16...	<.2	<.1	<.001	<.001	82.3	<.1	<.1	<.2	<.1	<.1	<.02	<.2	<.1
SEP 13...	--	--	--	--	--	--	--	--	--	--	<.02	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

Date	Chlorpyrifos water unfltrd ug/L (38932)	Cyanazine, water, unfltrd ug/L (81757)	Cycloate, water, unfltrd ug/L (30254)	Diazinon, water, unfltrd ug/L (39570)	Di-chlor-prop, water, unfltrd ug/L (82183)	Dieldrin, water, unfltrd ug/L (39380)	Diphenamid, water, unfltrd ug/L (30255)	Disulfoton, water, unfltrd ug/L (39011)	Endrin, water, unfltrd ug/L (39390)	Ethion, water, unfltrd ug/L (39398)	Fonofos water unfltrd ug/L (82614)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.01	<.2	<.1	E.02	<.02	E.002	<.1	<.10	<.002	<.01	<.01	<.001	<.001
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.01	<.2	<.1	<.02	<.02	E.001	<.1	--	<.002	<.01	<.01	<.001	<.001
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.01	<.2	<.1	.06	E.01	E.001	<.1	<.10	<.002	<.01	<.01	<.001	<.001
JUN 01...	<.01	--	--	E.01	--	--	--	--	--	<.01	<.01	--	--
JUL 19...	<.01	--	--	E.01	--	--	--	<.10	--	<.01	<.01	--	--
AUG 16...	<.01	<.2	<.1	<.02	<.02	E.001	<.1	<.10	<.002	<.01	<.01	<.001	<.001
SEP 13...	<.01	--	--	<.02	--	--	--	<.10	--	<.01	<.01	--	--

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

Date	Hexazinone, water, unfltrd ug/L (30264)	Isodrin surrog, Sch1398 wat unfltrd percent recovry (90571)	Iso-fenfos, surrog, Sch1319 wat unfltrd percent recovry (90712)	Lindane water, unfltrd ug/L (39340)	Malathion, water, unfltrd ug/L (39530)	Methyl para-thion, water, unfltrd ug/L (39600)	Metolachlor, water, unfltrd ug/L (82612)	Metribuzin, water, unfltrd ug/L (82611)	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Methoxy-chlor, water, unfltrd ug/L (39480)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.2	67.4	76.0	E.0015	<.10	<.01	<.2	<.1	E.001	<.002	<.002	<.002	<.003
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.2	74.0	52.2	E.0011	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.2	60.4	104	E.0017	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
JUN 01...	--	--	82.5	--	<.10	<.01	--	--	--	--	--	--	--
JUL 19...	--	--	88.9	--	<.10	<.01	--	--	--	--	--	--	--
AUG 16...	<.2	80.9	89.4	E.0010	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002	<.003
SEP 13...	--	--	86.7	--	<.10	<.01	--	--	--	--	--	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

Date	Para- thion, water, unfltrd ug/L (39540)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Phorate water unfltrd ug/L (39023)	Prome- ton, water, unfltrd ug/L (39056)	Prome- tryn, water, unfltrd ug/L (39057)	Propa- chlor, water, unfltrd ug/L (30295)	Propa- zine, water, unfltrd ug/L (39024)	Silvex, water, unfltrd ug/L (39760)	Sima- zine, water, unfltrd ug/L (39055)	Sime- tryn, water, unfltrd ug/L (39054)	Terba- cil, water unfltrd ug/L (30311)	Toxa- phene, water, unfltrd ug/L (39400)
OCT 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	<.01	78.9	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.6	<.1	<.2	<.1
DEC 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 15...	<.01	80.2	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.2	<.1	<.2	<.1
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	<.01	67.6	<.1	<.02	<.2	<.1	<.1	<.1	<.02	E.1	<.1	<.2	<.1
JUN 01...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--
JUL 19...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--
AUG 16...	<.01	93.0	<.1	<.02	<.2	<.1	<.1	<.1	<.02	E.1	<.1	<.2	<.1
SEP 13...	<.01	--	--	<.02	--	--	--	--	--	--	--	--	--

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

Date	Tribu- phos, water, unfltrd ug/L (39040)	Tri- flur- alin, water, unfltrd ug/L (39030)	Vernol- ate, water, unfltrd ug/L (30324)
OCT 05...	--	--	--
NOV 09...	<.02	<.1	<.1
DEC 14...	--	--	--
JAN 11...	--	--	--
FEB 15...	<.02	<.1	<.1
MAR 02...	--	--	--
APR 19...	--	--	--
MAY 10...	<.02	<.1	<.1
JUN 01...	<.02	--	--
JUL 19...	<.02	--	--
AUG 16...	<.02	<.1	<.1
SEP 13...	<.02	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	899	877	887	819	452	733	805	741	767	1,180	1,140	1,160
2	1,060	886	956	507	284	411	846	805	817	1,180	1,160	1,170
3	932	859	899	543	290	413	880	838	859	1,200	1,160	1,180
4	886	836	850	538	286	373	954	874	906	1,270	1,160	1,220
5	836	814	824	683	538	616	1,000	953	989	1,210	724	921
6	859	784	818	785	679	732	1,010	981	998	847	459	650
7	824	797	809	959	785	859	1,110	659	863	976	847	916
8	865	824	840	956	812	851	740	653	697	1,030	976	1,010
9	865	823	843	---	---	---	950	740	818	1,050	1,030	1,040
10	828	519	754	797	739	767	869	824	852	1,100	1,020	1,050
11	568	326	382	1,060	698	835	916	841	881	1,140	1,100	1,130
12	502	377	448	698	568	633	973	916	953	1,300	1,120	1,210
13	601	498	552	800	690	769	1,050	972	1,020	1,300	1,200	1,230
14	696	596	644	868	800	835	1,060	1,000	1,030	1,200	883	1,050
15	747	692	719	924	848	869	1,020	1,020	1,020	883	789	819
16	821	743	772	964	363	541	1,030	1,010	1,020	991	797	879
17	935	691	781	676	534	625	1,100	985	1,020	1,100	991	1,080
18	720	688	708	674	376	500	1,340	981	1,060	1,260	1,090	1,140
19	736	689	711	400	324	352	1,150	1,060	1,070	1,400	1,260	1,350
20	726	691	708	408	331	373	1,090	1,070	1,080	1,450	1,350	1,410
21	732	685	712	520	377	467	1,150	1,080	1,090	1,450	1,420	1,430
22	751	706	729	407	322	357	1,180	1,150	1,160	1,460	1,420	1,430
23	818	724	768	436	323	372	1,240	1,160	1,180	1,460	1,460	1,460
24	921	801	836	---	---	---	1,170	1,120	1,140	1,460	1,430	1,440
25	945	866	904	---	---	---	1,120	1,020	1,070	1,440	1,330	1,390
26	875	858	866	895	678	742	1,100	998	1,020	1,340	1,240	1,280
27	910	837	886	715	556	626	1,370	1,100	1,200	1,470	1,250	1,410
28	946	334	662	716	590	666	1,160	1,140	1,150	1,410	1,340	1,390
29	537	326	438	806	715	769	1,170	1,150	1,150	1,420	1,330	1,370
30	680	537	617	996	744	842	1,170	1,160	1,160	1,410	1,360	1,380
31	766	672	723	---	---	---	1,180	1,140	1,160	1,380	1,350	1,370
FEBRUARY			MARCH			APRIL			MAY			
1	1,370	1,330	1,340	1,180	1,090	1,110	1,430	1,370	1,390	1,340	1,190	1,270
2	1,340	1,300	1,310	1,280	1,160	1,240	1,410	1,340	1,370	1,450	1,300	1,360
3	1,340	1,300	1,310	1,310	1,240	1,260	1,350	1,190	1,270	1,490	1,330	1,400
4	1,310	1,270	1,290	1,350	1,280	1,310	1,370	1,140	1,230	1,480	1,330	1,410
5	1,320	1,280	1,290	1,340	1,320	1,330	1,390	1,270	1,330	1,360	1,260	1,320
6	1,320	1,170	1,240	1,370	1,340	1,350	1,400	1,330	1,350	1,280	1,130	1,230
7	1,240	940	1,020	1,370	1,310	1,340	1,360	1,330	1,350	1,130	1,060	1,090
8	1,090	943	1,010	1,420	1,340	1,380	1,360	1,330	1,340	1,070	1,030	1,050
9	1,200	1,090	1,150	1,400	1,380	1,390	1,480	1,350	1,430	1,350	1,070	1,210
10	1,180	1,140	1,170	1,410	1,390	1,390	1,480	1,320	1,400	1,220	1,080	1,150
11	1,150	1,120	1,130	1,410	1,270	1,350	1,420	1,210	1,310	1,170	1,070	1,100
12	1,200	1,140	1,160	1,500	1,250	1,380	1,420	1,240	1,340	1,160	1,070	1,100
13	1,250	1,200	1,220	1,440	1,410	1,420	1,460	1,410	1,430	1,210	1,020	1,060
14	1,280	1,220	1,240	1,440	1,410	1,420	1,480	1,440	1,460	1,380	880	1,050
15	1,300	1,250	1,270	1,440	1,400	1,420	1,510	1,470	1,490	1,020	956	992
16	1,320	1,290	1,300	1,440	1,400	1,420	1,520	1,480	1,500	987	954	969
17	1,360	1,290	1,320	1,450	1,390	1,430	1,530	1,480	1,500	1,010	971	989
18	1,410	1,270	1,350	1,440	1,390	1,410	1,540	1,490	1,510	1,050	998	1,020
19	1,400	1,360	1,370	1,470	1,430	1,440	1,530	1,480	1,490	1,300	1,000	1,100
20	1,410	1,390	1,400	1,470	1,430	1,450	1,560	1,480	1,520	1,050	1,000	1,030
21	1,430	1,400	1,410	1,460	1,410	1,430	1,560	1,480	1,520	1,380	1,040	1,170
22	1,450	1,420	1,430	1,450	1,430	1,440	1,590	1,500	1,520	1,080	1,000	1,040
23	1,450	1,130	1,290	1,450	1,420	1,440	1,590	1,480	1,510	1,030	1,000	1,020
24	1,130	792	951	1,490	1,430	1,450	1,480	1,360	1,410	1,070	1,010	1,050
25	1,170	967	1,100	1,490	1,460	1,470	1,400	1,350	1,380	1,100	1,070	1,090
26	1,100	947	1,000	1,490	1,470	1,470	1,390	1,340	1,370	1,100	1,060	1,080
27	1,110	1,070	1,090	1,490	1,460	1,470	1,430	1,320	1,380	1,110	1,050	1,070
28	1,110	1,080	1,100	1,520	1,480	1,490	1,420	1,260	1,350	1,570	1,070	1,220
29	---	---	---	1,520	1,390	1,460	1,600	1,260	1,390	1,180	1,010	1,080
30	---	---	---	1,570	1,280	1,400	1,400	1,340	1,370	1,180	1,030	1,090
31	---	---	---	1,470	1,360	1,380	---	---	---	1,090	1,010	1,040

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,260	1,010	1,060	1,510	1,420	1,460	1,040	988	1,010	768	646	700
2	1,270	1,090	1,160	1,490	1,270	1,340	1,060	990	1,020	836	767	793
3	1,140	1,060	1,090	1,300	1,120	1,240	1,050	1,000	1,020	1,050	814	895
4	1,080	992	1,030	1,310	660	953	1,080	1,010	1,040	1,050	633	795
5	1,060	960	985	929	697	759	1,310	1,020	1,130	674	604	644
6	1,300	706	821	883	717	815	1,320	1,050	1,160	727	635	684
7	877	715	791	952	804	848	1,050	958	991	777	671	728
8	1,290	877	1,050	1,010	902	945	1,070	716	973	830	776	802
9	1,090	949	1,030	1,020	971	996	826	625	725	891	830	856
10	1,060	681	956	1,020	961	1,000	855	823	836	921	891	913
11	984	738	795	975	835	875	934	855	910	947	910	935
12	789	616	697	941	848	886	963	924	937	917	446	765
13	640	428	519	1,060	941	1,010	1,020	924	977	735	537	654
14	607	428	505	1,210	901	1,030	994	679	841	782	705	751
15	625	320	461	1,210	940	1,040	849	553	664	775	375	588
16	807	320	685	1,220	1,060	1,110	790	722	775	425	342	376
17	797	311	511	1,230	1,160	1,200	877	759	821	536	417	461
18	563	346	412	1,160	997	1,040	850	808	821	576	436	527
19	625	563	611	1,050	999	1,020	857	842	849	595	540	574
20	600	564	581	1,010	978	994	863	820	851	699	595	643
21	667	563	599	993	899	946	899	350	721	771	699	726
22	742	613	670	960	918	943	685	411	535	766	681	711
23	724	609	669	938	886	914	710	496	582	692	678	685
24	1,050	724	842	1,340	902	1,040	588	536	562	720	688	704
25	1,390	1,050	1,250	990	912	942	695	571	624	720	700	712
26	1,510	1,390	1,440	938	909	924	798	695	743	720	690	708
27	---	---	---	956	932	950	848	798	827	747	704	726
28	---	---	---	963	913	938	891	810	865	757	714	731
29	1,480	1,420	1,450	937	924	932	975	417	664	785	755	768
30	1,510	1,450	1,470	961	931	948	548	390	465	825	785	807
31	---	---	---	1,040	961	1,010	669	531	616	---	---	---

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.2	7.8	8.0	8.1	7.8	8.0	7.9	7.9	7.9	8.5	8.0	8.3
2	8.2	7.9	8.1	8.0	7.8	7.9	7.9	7.8	7.9	8.4	8.0	8.2
3	8.3	7.9	8.0	8.0	8.0	8.0	7.8	7.7	7.8	8.3	8.0	8.2
4	8.3	7.8	8.1	8.1	8.0	8.0	7.7	7.6	7.7	8.2	7.9	8.0
5	8.2	7.8	8.0	8.1	8.1	8.1	7.7	7.6	7.6	8.0	7.7	7.9
6	8.4	7.8	8.0	8.1	8.1	8.1	7.7	7.6	7.6	8.0	7.7	7.9
7	8.1	7.8	7.9	8.2	8.1	8.1	7.7	7.5	7.6	8.0	7.8	7.9
8	8.1	7.7	7.9	8.4	8.2	8.2	7.6	7.6	7.6	7.8	7.7	7.7
9	8.2	7.8	7.9	---	7.7	---	7.7	7.6	7.6	7.7	7.7	7.7
10	8.0	7.6	7.9	8.0	7.9	8.0	7.7	7.6	7.6	7.7	7.6	7.7
11	7.8	7.6	7.8	7.9	7.8	7.9	7.7	7.6	7.7	7.8	7.7	7.7
12	7.8	7.8	7.8	7.9	7.7	7.7	7.6	7.5	7.6	7.9	7.8	7.9
13	7.8	7.7	7.8	7.7	7.7	7.7	7.7	7.6	7.6	8.2	7.9	8.1
14	7.9	7.8	7.8	7.7	7.7	7.7	8.1	7.6	7.7	7.9	7.6	7.8
15	7.9	7.8	7.8	7.7	7.5	7.6	8.2	8.1	8.1	7.8	7.6	7.7
16	7.9	7.8	7.8	7.8	7.4	7.7	8.2	8.1	8.1	7.8	7.6	7.7
17	8.2	7.9	8.0	7.9	7.8	7.9	8.2	8.0	8.1	8.1	7.7	7.9
18	8.3	7.9	8.1	7.8	7.6	7.7	8.2	8.0	8.0	7.8	7.5	7.7
19	8.1	7.9	8.0	7.7	7.7	7.7	8.2	8.1	8.1	7.6	7.5	7.5
20	8.5	7.8	8.0	7.8	7.7	7.7	8.2	8.1	8.1	7.6	7.5	7.5
21	8.4	7.8	8.1	7.8	7.8	7.8	8.2	8.0	8.1	7.6	7.4	7.5
22	8.3	7.8	8.1	7.8	7.7	7.7	8.3	8.2	8.3	7.7	7.5	7.6
23	8.3	7.9	8.0	7.7	7.7	7.7	8.3	8.1	8.3	7.7	7.5	7.6
24	8.0	7.8	7.9	---	7.7	---	8.3	8.0	8.1	7.7	7.6	7.6
25	7.9	7.8	7.9	---	7.9	---	8.0	7.9	7.9	7.7	7.5	7.6
26	8.0	7.9	7.9	---	7.8	---	7.9	7.9	7.9	7.7	7.5	7.6
27	8.0	7.9	7.9	7.9	7.8	7.9	8.1	7.9	8.0	7.7	7.4	7.6
28	8.0	7.7	7.8	8.0	7.9	7.9	8.2	8.0	8.1	7.7	7.5	7.6
29	7.9	7.8	7.8	8.0	7.8	7.9	8.2	7.9	8.2	7.7	7.5	7.6
30	8.0	7.9	8.0	7.9	7.8	7.9	8.4	8.0	8.2	7.7	7.6	7.6
31	8.1	8.0	8.0	---	---	---	8.5	8.0	8.3	7.7	7.6	7.6
FEBRUARY			MARCH			APRIL			MAY			
1	7.7	7.6	7.6	8.0	7.9	7.9	8.4	8.2	8.3	8.0	7.8	7.9
2	7.8	7.6	7.7	8.1	7.9	8.0	8.3	8.2	8.2	8.1	7.9	8.0
3	7.9	7.7	7.8	8.3	8.0	8.1	8.2	8.0	8.1	8.1	7.9	8.0
4	7.8	7.6	7.6	8.2	8.0	8.1	8.2	8.0	8.1	8.2	8.0	8.1
5	7.8	7.6	7.7	8.2	7.9	8.0	8.3	8.0	8.2	8.1	7.9	8.0
6	7.7	7.4	7.7	8.2	7.9	8.1	8.3	8.1	8.2	7.9	7.7	7.9
7	7.6	7.3	7.4	8.5	8.0	8.4	8.2	8.1	8.2	7.8	7.6	7.7
8	7.5	7.3	7.4	8.4	8.3	8.4	8.2	8.0	8.1	7.8	7.6	7.7
9	7.7	7.3	7.4	8.5	8.3	8.4	8.3	8.1	8.2	7.9	7.6	7.7
10	7.8	7.5	7.6	8.4	8.3	8.4	8.3	8.1	8.2	8.3	7.6	7.9
11	7.9	7.6	7.7	8.4	8.2	8.3	8.3	8.1	8.2	8.8	7.7	8.2
12	8.0	7.5	7.7	8.4	8.1	8.2	8.4	8.1	8.3	8.7	8.0	8.5
13	8.2	7.6	7.9	8.4	8.4	8.4	8.4	8.3	8.4	8.2	7.8	8.0
14	8.1	7.6	7.9	8.5	8.4	8.5	8.4	8.3	8.3	7.8	7.6	7.6
15	8.1	7.4	7.9	8.5	8.4	8.5	8.4	8.2	8.3	8.0	7.6	7.8
16	8.2	7.6	8.1	8.5	8.3	8.4	8.5	8.2	8.3	7.9	7.8	7.8
17	8.3	7.9	8.1	8.5	8.3	8.4	8.5	8.2	8.4	8.0	7.7	7.8
18	8.4	8.0	8.3	8.5	8.3	8.4	8.4	8.2	8.4	8.2	7.8	7.9
19	8.4	8.2	8.3	8.5	8.3	8.4	8.4	8.2	8.2	8.5	7.9	8.1
20	8.5	7.7	8.3	8.5	8.3	8.4	8.3	8.2	8.2	8.4	7.8	8.1
21	---	---	---	8.5	8.3	8.4	8.3	8.2	8.2	8.3	8.0	8.1
22	---	---	---	8.4	8.2	8.3	8.4	8.2	8.2	8.2	7.8	8.0
23	---	---	---	8.4	8.3	8.4	8.3	8.1	8.2	8.5	7.8	8.0
24	---	---	---	8.4	8.3	8.4	8.2	8.0	8.1	8.4	7.8	8.0
25	8.1	7.9	8.0	8.6	8.3	8.4	8.1	8.0	8.0	8.2	7.8	8.0
26	8.0	8.0	8.0	8.5	8.4	8.5	8.2	8.0	8.1	8.0	7.8	7.9
27	8.0	7.9	8.0	8.5	8.4	8.5	8.2	8.0	8.1	8.0	7.8	7.9
28	8.0	7.9	7.9	8.6	8.4	8.5	8.2	7.8	8.0	8.2	7.9	8.0
29	---	---	---	8.6	8.4	8.5	8.2	7.8	8.0	8.5	7.9	8.0
30	---	---	---	8.5	8.2	8.3	8.0	7.9	8.0	8.5	8.0	8.2
31	---	---	---	8.5	8.2	8.3	---	---	---	8.5	7.9	8.2

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.4	8.0	8.2	8.6	8.3	8.5	8.4	7.9	8.2	8.7	7.9	8.4
2	8.6	8.0	8.2	8.5	8.1	8.3	8.4	7.9	8.2	8.6	8.1	8.4
3	8.4	8.1	8.3	8.7	8.1	8.4	8.5	8.0	8.2	8.6	8.2	8.4
4	8.1	7.9	8.0	8.5	7.9	8.1	8.4	8.0	8.2	8.9	8.1	8.5
5	8.3	7.8	8.0	8.2	8.1	8.2	8.6	8.0	8.2	8.5	7.9	8.3
6	8.0	7.7	7.8	8.5	8.1	8.3	8.8	8.1	8.4	8.3	7.8	7.9
7	8.3	7.8	7.9	8.9	8.4	8.7	8.5	8.0	8.3	8.2	7.7	7.8
8	8.8	7.9	8.1	9.1	8.3	8.6	8.3	7.5	8.1	8.3	7.6	7.9
9	8.6	8.0	8.1	8.8	8.4	8.6	8.3	7.5	7.8	8.2	7.8	8.0
10	8.1	7.7	8.0	9.0	8.5	8.6	8.4	7.7	7.9	8.1	7.8	7.9
11	7.9	7.7	7.8	9.2	8.5	8.9	8.2	7.8	8.0	8.0	7.7	7.8
12	7.9	7.6	7.7	9.0	8.3	8.8	8.2	7.8	8.0	7.8	7.4	7.7
13	7.8	7.6	7.7	9.1	8.4	8.8	8.0	7.8	7.9	7.8	7.3	7.5
14	7.8	7.6	7.7	8.8	7.8	8.4	8.0	7.8	7.8	7.7	7.3	7.6
15	7.8	7.7	7.8	8.3	7.8	7.8	7.8	7.6	7.7	7.6	7.4	7.5
16	---	---	---	8.7	7.9	8.2	8.2	7.7	7.8	7.7	7.4	7.5
17	---	---	---	8.5	7.9	8.2	7.9	7.5	7.7	7.9	7.6	7.7
18	---	---	---	8.4	7.8	8.2	8.2	7.6	7.8	7.8	7.6	7.7
19	---	---	---	8.6	8.0	8.3	8.4	7.7	8.0	8.2	7.7	8.0
20	---	---	---	8.4	8.0	8.2	8.5	7.8	8.1	8.2	7.6	7.9
21	---	---	---	8.5	8.0	8.2	8.3	7.4	7.9	8.1	7.5	7.9
22	---	---	---	8.6	7.8	8.1	7.5	7.4	7.5	8.4	7.8	8.1
23	---	---	---	8.8	8.0	8.3	7.5	7.4	7.5	8.4	7.9	8.1
24	8.5	7.9	8.2	8.8	8.2	8.6	8.2	7.5	7.6	8.2	7.6	7.9
25	8.8	8.3	8.5	8.7	8.0	8.4	8.4	7.5	7.9	8.1	7.6	7.9
26	8.9	8.4	8.6	8.7	8.1	8.5	8.2	7.5	7.8	8.1	7.6	7.9
27	8.7	8.4	8.6	8.6	7.9	8.4	8.3	7.8	8.0	8.4	7.8	8.0
28	8.7	8.3	8.5	8.4	8.0	8.2	8.2	7.7	8.0	8.2	7.9	8.1
29	8.8	8.3	8.5	8.5	8.0	8.2	8.2	7.4	7.6	8.0	7.9	7.9
30	8.7	8.5	8.6	8.4	7.9	8.1	7.9	7.4	7.5	8.0	7.9	7.9
31	---	---	---	8.4	7.9	8.2	8.7	7.5	8.1	---	---	---

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.3	19.7	21.4	19.6	17.7	18.4	8.8	5.6	7.2	16.2	14.4	15.2
2	22.1	17.0	19.6	17.9	14.4	16.1	9.7	6.4	8.0	16.4	13.9	15.4
3	22.3	16.1	19.2	14.4	12.2	13.3	10.4	6.8	8.6	13.9	10.2	11.8
4	24.0	19.2	21.3	13.3	10.6	12.1	11.1	7.6	9.4	10.2	8.3	9.0
5	23.3	19.0	21.2	15.7	12.0	13.8	11.7	9.7	10.7	8.5	4.2	5.9
6	21.7	18.9	20.1	17.9	13.0	15.4	12.7	10.8	11.8	4.2	2.2	3.1
7	22.9	19.6	20.9	18.2	14.3	16.3	11.9	9.9	10.8	5.4	2.9	4.0
8	26.0	20.6	23.0	17.8	14.5	16.1	11.9	9.1	10.4	6.8	4.0	5.4
9	23.7	20.6	21.6	16.6	14.2	15.3	12.4	9.6	11.0	10.4	6.3	8.1
10	20.6	17.7	19.1	14.6	12.7	13.6	11.3	9.2	10.2	12.7	9.2	10.8
11	18.4	17.1	17.8	14.4	10.7	12.3	11.0	8.0	9.4	11.9	8.9	9.9
12	18.9	15.9	17.3	12.8	10.4	11.4	12.2	8.8	10.3	12.7	8.9	10.8
13	19.9	16.1	17.8	12.1	9.8	11.2	10.3	8.0	9.1	11.1	6.8	8.4
14	18.2	15.3	16.9	12.9	11.0	12.1	8.6	5.9	7.3	6.8	5.0	5.7
15	20.0	15.1	17.2	14.3	12.4	13.1	7.1	4.7	6.1	5.1	3.1	4.1
16	19.4	15.6	17.6	14.8	12.6	13.4	10.0	6.1	7.8	4.0	2.3	3.1
17	18.3	15.9	17.2	16.2	14.1	15.3	10.3	6.5	8.4	4.2	2.3	3.2
18	21.0	17.5	19.0	15.7	14.5	14.9	11.1	8.5	9.7	5.3	3.3	4.1
19	19.7	18.1	18.6	15.2	14.5	14.9	9.6	7.3	8.3	5.2	3.7	4.3
20	21.2	17.4	19.0	14.7	14.0	14.3	9.8	5.7	7.7	6.0	4.1	5.1
21	22.5	18.3	20.3	14.0	12.2	13.3	9.8	7.5	8.5	6.8	5.6	6.1
22	21.8	20.4	21.4	12.2	11.6	11.9	7.5	2.3	4.9	6.9	4.4	6.1
23	22.1	18.8	20.2	12.8	11.6	12.0	3.0	0.6	2.0	4.7	3.0	3.9
24	21.1	16.6	19.0	---	---	---	3.9	0.7	2.1	6.5	3.8	5.1
25	22.4	19.9	20.9	---	---	---	6.6	1.7	3.9	9.6	6.0	7.6
26	22.5	20.7	21.6	13.2	10.4	11.6	9.4	4.7	6.8	11.0	7.5	9.2
27	21.6	20.5	21.1	12.2	10.3	11.3	9.4	6.3	7.8	10.6	6.7	7.8
28	21.7	20.6	21.2	10.3	9.1	9.6	11.1	7.0	8.9	6.7	5.6	6.1
29	23.5	20.6	21.6	10.6	9.4	10.0	12.4	9.4	10.9	6.1	5.6	5.8
30	20.7	17.1	19.2	9.5	6.9	8.6	15.1	11.9	13.3	5.7	5.0	5.5
31	19.2	18.0	18.5	---	---	---	15.7	12.4	14.0	6.2	5.0	5.6
FEBRUARY			MARCH			APRIL			MAY			
1	6.4	5.6	6.1	10.5	8.2	9.2	17.6	12.6	14.9	17.6	14.1	15.8
2	6.8	5.4	6.0	12.8	8.7	10.6	19.4	12.0	15.5	17.0	13.9	15.1
3	8.9	5.1	6.8	14.7	10.4	12.2	20.3	13.4	16.8	15.9	13.7	14.7
4	10.0	5.9	7.7	15.4	10.9	12.9	21.8	14.3	17.8	15.7	13.1	14.3
5	10.3	6.9	8.5	15.1	12.3	13.6	21.7	16.7	18.9	18.3	14.5	16.1
6	9.6	8.5	9.0	15.2	12.1	13.6	18.8	15.5	16.6	23.7	15.4	19.3
7	8.8	7.4	8.0	15.1	12.2	13.9	19.3	14.1	16.5	20.9	18.0	19.4
8	7.5	6.5	7.1	13.3	11.1	12.3	20.4	15.3	17.7	25.8	17.8	21.0
9	8.0	4.9	6.5	14.5	11.5	12.8	21.0	16.1	18.5	27.7	18.4	22.6
10	10.0	5.5	7.5	14.4	10.5	12.5	18.7	16.9	17.5	30.0	21.2	25.0
11	11.1	7.4	9.0	16.1	11.2	13.4	19.4	16.1	17.6	28.9	22.1	25.1
12	10.3	9.0	9.6	17.1	12.5	14.6	18.9	14.1	16.5	24.5	21.2	22.9
13	14.2	9.8	11.7	15.1	11.6	13.2	19.2	14.8	17.0	23.4	19.3	21.6
14	14.2	10.5	12.3	13.9	10.5	12.1	22.1	16.0	18.7	25.8	20.2	22.6
15	14.7	10.7	12.4	12.5	10.2	11.5	23.1	16.6	19.7	23.0	19.8	21.5
16	11.8	8.9	10.2	12.9	9.7	10.9	22.9	17.2	20.0	25.2	17.8	21.3
17	11.5	8.2	9.8	14.0	9.6	11.7	23.3	18.5	20.7	26.7	17.9	22.0
18	11.0	8.9	10.0	15.5	10.0	12.6	20.5	18.4	19.5	24.6	19.5	22.3
19	10.5	9.8	10.1	15.7	11.5	13.4	21.2	18.0	19.5	27.9	21.6	24.2
20	15.6	10.3	12.9	15.6	11.5	13.5	23.4	19.2	20.9	33.3	23.2	27.8
21	14.4	12.0	13.3	16.1	13.5	14.4	24.8	19.9	22.1	33.4	25.3	29.1
22	12.9	11.2	11.8	14.1	10.7	13.0	22.1	18.0	20.0	33.2	24.7	28.8
23	11.3	9.8	10.5	12.6	9.8	11.0	20.3	14.7	17.4	30.9	24.7	27.6
24	11.2	8.7	9.9	15.4	10.7	12.8	21.2	14.1	17.6	32.3	23.9	27.5
25	11.1	9.6	10.3	15.5	12.2	13.6	21.8	16.1	18.8	27.0	23.1	24.9
26	12.7	10.3	11.2	13.1	9.9	11.5	21.9	15.2	18.4	25.8	20.8	23.1
27	11.1	9.8	10.6	13.2	9.2	10.8	23.2	15.9	19.3	22.8	20.0	21.5
28	11.0	9.0	9.8	16.7	10.1	13.2	24.1	17.1	20.3	26.6	18.5	22.3
29	---	---	---	18.1	13.4	15.7	20.3	13.9	16.7	26.1	21.8	23.8
30	---	---	---	19.9	13.8	16.8	20.8	11.7	15.8	27.0	21.7	23.6
31	---	---	---	18.5	14.3	16.2	---	---	---	25.8	21.4	23.5

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.2	20.8	24.6	30.4	26.7	28.7	33.3	24.7	28.9	32.5	25.0	28.6
2	30.4	22.4	26.2	31.4	26.7	28.6	33.8	26.1	29.8	32.8	25.7	28.9
3	28.8	23.6	25.9	32.9	26.4	29.5	34.0	26.3	30.0	32.1	25.7	28.7
4	30.6	23.0	26.0	30.1	23.1	26.0	32.0	26.6	29.2	30.3	25.8	27.9
5	27.9	22.1	24.9	28.1	24.9	26.3	32.0	25.6	28.1	30.0	24.0	27.0
6	30.8	23.2	26.6	29.9	25.4	27.6	31.4	25.3	27.8	30.5	23.4	26.7
7	32.4	25.1	28.3	30.4	26.3	28.2	33.4	25.9	29.2	30.9	24.3	27.3
8	32.6	25.1	28.5	31.9	25.7	28.6	32.1	25.4	28.5	30.9	24.2	27.2
9	28.6	23.4	25.9	32.4	26.6	29.3	32.8	25.9	29.0	30.1	23.5	26.5
10	28.5	22.9	25.6	32.9	26.5	29.4	33.3	26.1	29.4	29.8	22.6	26.0
11	29.2	24.0	26.5	33.4	27.3	30.3	31.5	25.9	28.8	26.7	24.0	25.5
12	29.3	24.2	26.7	33.7	28.3	30.8	31.4	25.4	28.2	28.4	23.5	25.7
13	25.8	21.7	24.1	33.7	27.7	30.5	29.2	25.0	26.6	30.9	24.1	27.2
14	29.6	23.8	26.4	32.7	27.4	29.9	26.7	24.6	25.7	27.7	24.7	25.8
15	27.5	25.0	26.1	31.3	28.6	29.8	26.6	25.0	25.8	25.0	23.3	24.1
16	27.8	25.2	26.2	33.2	27.6	30.3	26.5	24.3	25.2	26.3	21.2	23.5
17	26.8	24.0	24.8	33.1	27.9	30.3	31.1	25.0	27.5	25.1	20.5	23.2
18	26.2	24.1	25.1	33.1	26.7	29.8	33.2	26.1	29.3	27.4	24.8	25.9
19	27.6	25.1	26.3	34.0	26.9	30.1	33.6	26.2	29.5	30.0	25.0	27.2
20	29.8	26.1	27.7	33.8	27.2	30.3	34.2	26.8	29.7	31.9	25.4	28.4
21	31.1	25.8	28.3	34.7	26.8	30.5	31.7	24.9	27.5	31.5	25.8	28.5
22	29.5	25.6	27.9	35.9	27.9	31.5	29.8	26.1	27.4	30.0	25.1	27.6
23	30.5	27.2	28.7	35.8	28.3	31.7	29.8	26.6	27.8	30.5	25.3	27.8
24	30.5	26.6	28.5	33.9	27.3	30.4	32.7	26.9	29.5	29.4	25.0	27.3
25	31.0	27.4	29.1	33.4	27.3	30.1	33.6	27.0	30.2	31.3	24.7	27.7
26	31.3	27.5	29.3	30.1	26.0	28.1	34.5	27.6	30.7	29.3	24.6	26.9
27	31.2	27.7	29.3	29.6	23.1	26.2	31.2	26.9	28.6	29.4	22.4	25.7
28	31.4	26.9	29.1	31.5	22.2	26.6	32.8	24.8	28.1	29.4	22.4	26.1
29	31.4	27.5	29.4	32.3	23.4	27.6	30.2	23.5	26.4	23.8	17.9	20.8
30	32.0	27.5	29.6	33.0	24.2	28.3	31.5	24.7	27.7	24.5	18.7	21.4
31	---	---	---	33.4	24.8	28.9	32.2	24.9	28.3	---	---	---

ARKANSAS RIVER BASIN

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.2	7.2	8.0	---	---	---	10.9	10.3	10.7	12.2	7.4	9.2
2	9.4	7.1	8.0	---	---	---	10.3	9.5	10.0	11.4	7.3	8.7
3	9.5	7.1	8.1	---	---	---	9.7	8.9	9.4	10.8	7.7	9.0
4	8.8	6.4	7.4	---	---	---	9.1	8.5	8.9	9.8	8.6	9.1
5	8.4	6.2	7.1	---	---	---	8.5	7.9	8.2	10.2	9.0	9.5
6	8.9	5.8	7.1	---	---	---	7.9	7.5	7.7	10.5	9.6	10.2
7	7.7	5.6	6.5	---	---	---	---	---	---	10.5	10.1	10.3
8	8.2	5.5	6.5	---	---	---	---	---	---	10.7	10.0	10.4
9	7.7	5.5	6.3	---	---	---	---	---	---	10.3	9.5	10.0
10	6.6	5.4	6.1	9.9	9.0	9.4	---	---	---	9.7	8.9	9.4
11	6.0	4.5	5.5	10.5	9.1	9.9	---	---	---	9.9	8.9	9.4
12	6.4	6.0	6.2	10.5	10.2	10.4	---	---	---	9.5	9.0	9.3
13	6.2	5.8	6.0	11.1	10.4	10.8	---	---	---	11.3	3.8	10.3
14	6.1	5.5	5.8	11.0	10.6	10.9	---	---	---	7.1	2.1	5.4
15	6.2	5.2	5.7	11.0	10.1	10.8	11.7	10.8	11.3	8.9	7.0	8.1
16	6.1	5.2	5.7	10.4	9.0	9.6	11.3	10.6	11.0	9.7	8.7	9.2
17	7.0	5.5	6.2	9.4	8.6	9.2	11.1	9.8	10.7	10.5	9.6	10.1
18	6.4	5.1	5.7	8.6	7.8	8.2	10.9	9.8	10.3	10.2	9.6	9.9
19	---	---	---	8.7	8.4	8.5	11.7	10.4	11.0	10.7	10.1	10.4
20	---	---	---	9.3	8.7	9.1	11.5	10.0	10.9	11.0	10.3	10.7
21	---	---	---	9.7	9.3	9.5	11.2	9.8	10.4	10.9	10.4	10.6
22	---	---	---	9.9	9.6	9.8	11.4	10.1	10.7	11.2	10.4	10.7
23	---	---	---	9.8	9.3	9.6	11.7	10.6	11.2	11.7	11.2	11.5
24	---	---	---	10.5	9.7	10.0	11.1	10.4	10.9	11.5	11.1	11.3
25	---	---	---	10.9	10.0	10.5	10.6	10.2	10.4	11.2	10.3	10.8
26	---	---	---	10.2	9.8	10	10.8	10.2	10.5	10.5	9.3	10.0
27	---	---	---	10.5	10.2	10.4	11.8	10.3	10.9	11.3	9.4	10.7
28	---	---	---	10.9	10.5	10.7	11.7	9.5	10.6	11.6	10.9	11.2
29	---	---	---	10.6	10.0	10.2	11.9	9.0	10.2	11.5	11.1	11.3
30	---	---	---	10.9	10.0	10.5	12.2	8.3	9.8	11.6	11.2	11.4
31	---	---	---	---	---	---	13.3	7.8	9.7	11.9	11.4	11.6
FEBRUARY			MARCH			APRIL			MAY			
1	11.8	11.0	11.4	10.9	10.2	10.5	11.4	8.6	10.0	8.9	6.3	7.6
2	12.0	11.3	11.6	10.8	10.0	10.4	---	---	---	10.4	6.1	8.3
3	12.0	11.2	11.7	10.9	9.7	10.2	---	---	---	10.7	6.6	9.1
4	11.6	11.1	11.3	10.7	9.7	10.1	---	---	---	10.8	8.5	9.5
5	11.7	11.0	11.3	11.2	9.3	10.1	---	---	---	9.1	5.9	8.1
6	11.1	10.6	10.9	11.0	9.3	10.1	---	---	---	7.5	3.4	5.8
7	10.7	10.1	10.4	12.5	8.9	10.7	---	---	---	6.4	2.5	4.5
8	11.0	10.1	10.7	12.4	10.2	11.3	---	---	---	6.8	4.7	5.8
9	11.5	10.9	11.2	12.5	10.4	11.4	---	---	---	9.5	3.9	6.2
10	11.5	11.0	11.3	12.7	10.9	11.7	---	---	---	10.6	4.1	7.4
11	11.3	10.7	11.0	12.2	10.0	11.2	---	---	---	13.9	4.1	8.6
12	11.2	10.5	10.7	11.8	9.9	10.7	---	---	---	12.1	4.5	7.7
13	11.6	9.9	10.6	12.0	10.3	11.3	---	---	---	9.2	4.0	6.5
14	11.8	9.7	10.6	12.9	11.6	12.2	11.0	8.8	9.8	4.7	2.4	3.2
15	13.1	10.1	11.3	13.3	11.4	12.2	11.7	9.0	10.1	5.8	1.3	3.9
16	13.3	10.4	11.7	13.4	12.1	12.8	12.2	9.3	10.6	3.1	1.1	2.0
17	12.8	10.9	11.6	13.5	11.8	12.7	12.5	9.3	10.6	4.5	1.1	2.7
18	13.3	10.7	11.8	13.5	11.0	12.3	12.2	9.2	10.8	6.4	2.5	4.1
19	12.0	10.4	11.1	12.8	10.5	11.6	10.6	8.1	9.7	7.8	3.3	5.3
20	11.2	9.6	10.4	13.4	10.2	11.4	10.6	7.8	8.8	5.1	0.9	2.8
21	11.3	9.3	10.2	13.0	9.4	10.9	10.7	7.6	9.0	6.7	0.2	3.1
22	11.3	9.9	10.5	11.7	9.0	10.4	10.7	7.6	9.2	5.8	1.4	3.7
23	10.4	9.2	9.9	14.2	11.0	12.5	11.0	8.6	9.8	9.1	1.6	5.4
24	10.1	9.2	9.7	13.6	10.9	12.1	10.2	7.9	9.2	---	---	---
25	10.5	9.6	10	13.7	10.7	11.9	9.7	7.5	8.6	---	---	---
26	10.0	9.5	9.7	13.7	10.9	12.3	9.7	7.4	8.6	---	---	---
27	10.0	9.7	9.8	13.4	10.7	12.4	10.0	6.1	8.3	---	---	---
28	10.3	9.9	10.1	12.1	9.7	11.1	9.0	4.7	6.8	---	---	---
29	---	---	---	12.3	5.7	9.4	9.8	4.8	7.5	---	---	---
30	---	---	---	12.5	5.0	8.9	9.3	6.4	8.2	---	---	---
31	---	---	---	10.7	8.4	9.4	---	---	---	---	---	---

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.0	6.0	7.4	---	---	---	9.6	3.2	6.5	---	---	---
2	10.7	5.6	7.8	---	---	---	9.6	5.1	7.3	---	---	---
3	8.5	5.0	6.5	---	---	---	10.2	5.8	7.6	---	---	---
4	6.5	3.8	5.3	---	---	---	9.6	5.7	7.3	---	---	---
5	7.2	3.9	5.5	---	---	---	10.4	5.5	7.0	---	---	---
6	6.4	1.9	4.5	---	---	---	11.4	3.7	6.7	---	---	---
7	6.3	3.5	5.1	---	---	---	10.0	1.6	4.9	---	---	---
8	10.6	3.5	6.6	---	---	---	9.6	2.1	5.4	---	---	---
9	7.3	3.2	4.9	---	---	---	8.9	1.9	5.2	---	---	---
10	---	---	---	---	---	---	8.9	3.2	5.5	---	---	---
11	---	---	---	---	---	---	7.8	2.7	5.3	---	---	---
12	---	---	---	11.3	5.3	7.7	8.3	3.8	6.1	---	---	---
13	---	---	---	10.5	4.8	7.2	7.9	4.3	6.0	---	---	---
14	---	---	---	10.9	5.4	8.7	8.3	4.8	6.6	8.1	4.8	6.6
15	---	---	---	8.1	5.4	6.5	7.0	4.6	5.8	7.0	5.8	6.4
16	---	---	---	11.6	5.1	7.7	8.7	5.2	6.4	8.9	6.5	7.4
17	---	---	---	---	---	---	6.2	4.3	5.2	8.5	5.1	6.7
18	---	---	---	---	---	---	8.1	4.0	5.7	6.5	3.5	4.8
19	---	---	---	---	---	---	8.5	3.5	5.5	9.1	3.6	5.9
20	---	---	---	11.8	5.2	7.9	11.1	3.3	6.0	8.5	2.3	5.1
21	---	---	---	11.4	3.6	7.5	9.6	2.3	5.2	6.3	1.6	4.0
22	---	---	---	9.3	1.6	4.9	6.3	2.2	3.9	8.4	2.2	4.5
23	---	---	---	11.2	1.6	5.9	6.0	3.3	4.3	8.9	2.1	5.0
24	10.3	6.3	7.8	10.6	0.4	4.8	9.5	2.7	5.7	6.5	2.0	4.3
25	14.3	7.2	10.2	7.4	0.5	3.1	---	---	---	8.6	2.9	5.1
26	13.2	6.8	9.5	10.3	0.3	4.3	---	---	---	7.6	3.1	5.1
27	11.3	4.8	8.3	8.9	0.4	4.2	---	---	---	9.4	3.8	6.5
28	12.8	6.1	9.1	6.8	0.8	4.0	---	---	---	8.4	3.6	5.8
29	---	---	---	6.7	0.8	3.7	---	---	---	7.4	4.8	6.2
30	---	---	---	7.5	1.9	4.5	---	---	---	7.2	5.2	6.2
31	---	---	---	9.5	0.9	5.2	---	---	---	---	---	---

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK

LOCATION.--Lat 35°19'59", long 96°52'09", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.10 N., R.4 E., Pottawatomie County, Hydrologic Unit 11100302, on right bank downstream side State Highway 3E bridge, 2.8 mi east from Highway 18, 3E junction and at mile 203.

DRAINAGE AREA.--13,730 mi² of which 4,899 mi² is probably noncontributing.

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

GAGE.--Water-stage recorder. Datum of gage is 898.51 ft above NGVD of 1929 (Oklahoma State Highway Department benchmark).

REMARKS.--No estimated daily discharge. Records good. Flow regulated by Canton Lake (station 07238500) and by Lake Overholser (station 07240500) where diversions are made into Lake Hefner Canal (station 07240000). Low flow sustained in part by sewage effluent from Oklahoma City. U.S. Geological Survey's satellite telemeter located at station.

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

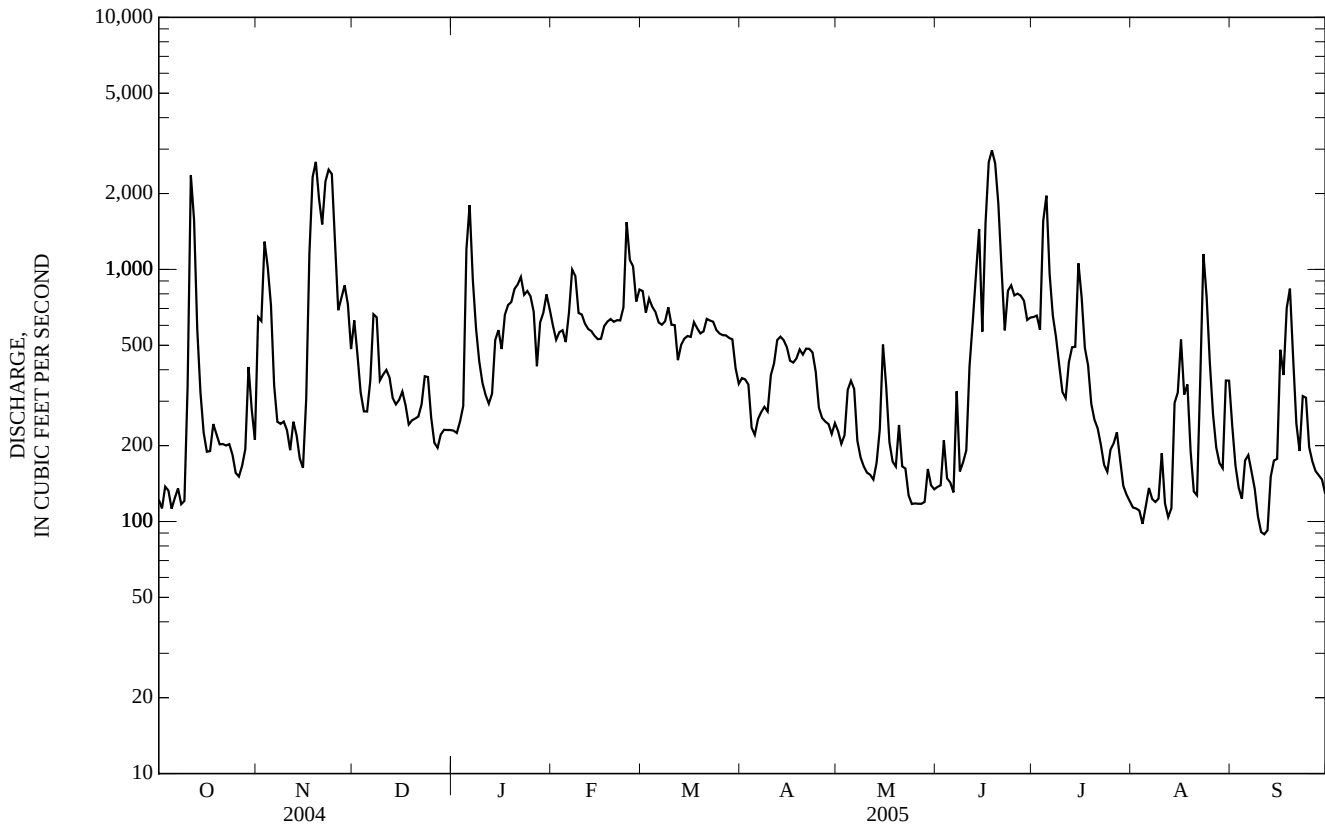
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	646	627	229	599	821	371	228	137	648	114	239
2	113	624	459	224	526	674	366	203	139	656	113	167
3	138	1,290	325	249	564	766	349	220	210	576	110	136
4	133	1,020	274	287	574	711	236	333	148	1,550	98	123
5	112	721	273	1,200	515	678	221	362	143	1,960	115	175
6	124	346	362	1,800	673	616	255	336	130	959	136	183
7	135	249	664	911	998	603	272	209	329	656	123	158
8	117	244	646	584	941	623	285	180	158	538	120	135
9	121	249	362	432	672	707	273	165	172	417	123	105
10	345	230	383	355	662	603	380	156	192	326	187	91
11	2,360	192	399	317	609	601	424	153	412	308	118	89
12	1,580	249	373	293	580	437	525	147	616	427	104	92
13	579	220	309	322	569	501	541	171	949	491	113	151
14	325	178	291	525	545	531	524	232	1,450	493	295	174
15	225	163	304	574	529	544	492	503	567	1,060	325	177
16	189	306	328	483	531	540	434	344	1,530	773	527	480
17	190	1,160	289	661	596	618	427	207	2,660	488	319	381
18	244	2,320	243	723	621	584	444	173	2,970	416	350	704
19	222	2,670	252	742	636	557	481	165	2,630	293	190	839
20	202	1,910	256	836	620	568	459	242	1,820	253	132	445
21	203	1,510	261	872	629	637	485	165	1,010	234	127	245
22	200	2,230	291	933	628	627	484	162	573	201	364	191
23	203	2,490	377	793	707	620	468	127	824	168	1,150	314
24	184	2,390	374	821	1,540	575	393	117	864	157	777	310
25	156	1,270	259	783	1,090	557	282	118	789	193	426	197
26	151	689	205	679	1,030	549	257	118	801	204	266	173
27	166	772	196	413	746	547	249	118	786	226	197	158
28	194	865	221	616	832	535	243	120	751	176	171	153
29	410	728	231	673	---	528	222	162	630	138	163	147
30	278	483	231	796	---	406	246	139	644	128	362	129
31	211	---	231	694	---	352	---	134	---	120	362	---
TOTAL	9,932	28,414	10,296	19,820	19,762	18,216	11,088	6,209	25,034	15,233	8,077	7,061
MEAN	320	947	332	639	706	588	370	200	834	491	261	235
MAX	2,360	2,670	664	1,800	1,540	821	541	503	2,970	1,960	1,150	839
MIN	112	163	196	224	515	352	221	117	130	120	98	89
AC-FT	19,700	56,360	20,420	39,310	39,200	36,130	21,990	12,320	49,650	30,210	16,020	14,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	306	368	280	360	422	648	507	386	619	331	237	330
MAX	398	947	404	639	706	1,044	787	987	1,010	524	477	784
(WY)	(2002)	(2005)	(2003)	(2005)	(2005)	(2001)	(2001)	(2001)	(2001)	(2004)	(2004)	(2001)
MIN	221	142	160	202	182	355	262	200	281	106	114	153
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2005)	(2002)	(2003)	(2003)	(2004)

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	151,936		179,142		356	
ANNUAL MEAN	415		491		491	
HIGHEST ANNUAL MEAN					302	
LOWEST ANNUAL MEAN					302	
HIGHEST DAILY MEAN	4,670	Mar 5	2,970	Jun 18	6,740	May 31, 2001
LOWEST DAILY MEAN	108	Sep 28	89	Sep 11	70	Aug 27, 2003
ANNUAL SEVEN-DAY MINIMUM	116	Jan 2	114	Jul 30	75	Aug 21, 2003
MAXIMUM PEAK FLOW			4,160	Jun 18	8,130	May 30, 2001
MAXIMUM PEAK STAGE			15.00	Jun 18	17.66	May 30, 2001
ANNUAL RUNOFF (AC-FT)	301,400		355,300		257,700	
10 PERCENT EXCEEDS	813		868		674	
50 PERCENT EXCEEDS	230		355		231	
90 PERCENT EXCEEDS	137		135		121	



07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OK

LOCATION.--Lat 35°15'56", long 96°12'21", in NE ¼ SW ¼ sec.12, T.9 N., R.10 E., Hughes County, Hydrologic Unit 11100302, on left downstream side of bridge on U.S. Highway 75, 2.3 mi upstream from Wewoka Creek, 2.5 mi northeast of Wetumka, and at mile 84.4.

DRAINAGE AREA.--14,290 mi² of which 4,899 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 977: 1942. WSP 1341: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 678.28 ft above NGVD of 1929. Prior to Jan. 19, 1939, nonrecording gage at site 500 ft upstream and at datum 5.00 ft higher. Jan. 20, 1939, to Feb. 23, 1985, recording gage 500 ft upstream at datum 5.00 ft higher. Prior to Aug. 8, 1991, at same site and at datum 5.00 ft higher.

REMARKS.--Records poor. Some regulation by Lake Overholser (station 07240500) and other dams upstream. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1923 reached a stage of 26.9 ft, from information provided by U.S. Army Corps of Engineers.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e129	1,070	1,020	398	887	990	693	e358	e211	725	e255	e240
2	e122	1,770	795	395	892	969	618	e335	e210	690	e250	e360
3	e131	2,400	763	3,020	834	1,010	595	e370	e208	682	e245	e380
4	e141	2,740	725	3,150	745	e970	570	e335	e205	752	e230	e290
5	e139	1,650	653	5,520	724	e950	605	e300	e229	1,580	e205	e250
6	e136	1,210	865	5,240	913	e900	561	e315	e245	2,240	e190	e235
7	e129	985	3,520	2,970	1,600	898	505	e395	e240	1,810	e180	e222
8	e134	685	2,250	1,980	1,510	826	459	e440	e221	1,080	e225	e218
9	e135	528	1,290	1,260	1,290	807	466	e390	e218	808	e220	e215
10	e180	452	1,070	989	1,210	782	455	e280	e275	729	e210	e200
11	e298	554	840	847	957	e830	460	255	274	597	e215	e198
12	e520	686	710	737	867	e800	450	225	259	519	e230	e195
13	2,080	509	697	798	869	797	517	228	382	443	e190	e196
14	1,080	410	662	727	845	741	554	262	625	426	e210	e202
15	767	423	614	596	806	664	611	272	1,060	501	3,740	e240
16	551	388	569	623	748	e740	615	256	1,420	571	1,680	e280
17	414	359	558	750	707	e748	612	277	3,350	673	e825	e275
18	342	1,770	559	699	674	e747	579	433	5,130	921	e720	e233
19	e310	3,580	554	717	695	e775	e560	359	3,750	633	e710	e390
20	e290	3,230	515	871	751	e790	e570	311	2,990	541	e560	e380
21	e288	4,870	478	866	731	1,200	e600	245	2,620	459	e500	e580
22	e285	3,990	477	925	733	1,830	e640	226	1,680	375	e450	e590
23	e277	3,130	458	932	737	1,170	e563	250	1,130	334	e400	e500
24	e279	5,630	445	984	938	916	e600	e230	833	316	e310	e371
25	e265	3,660	488	928	1,110	845	e640	e220	683	e270	e600	e300
26	e260	2,330	528	912	1,700	788	e570	e218	890	e253	e850	e350
27	521	1,430	502	900	1,260	752	e480	e215	785	e280	e580	e380
28	443	991	425	871	1,190	729	e430	e210	778	e260	e450	e266
29	377	946	391	707	---	716	e390	e205	775	289	e388	e230
30	350	1,070	382	725	---	699	e374	e200	761	280	e300	e220
31	582	---	393	820	---	684	---	e210	---	e260	e270	---
TOTAL	11,955	53,446	24,196	41,857	26,923	27,063	16,342	8,825	32,437	20,297	16,388	8,986
MEAN	386	1,782	781	1,350	962	873	545	285	1,081	655	529	300
MAX	2,080	5,630	3,520	5,520	1,700	1,830	693	440	5,130	2,240	3,740	590
MIN	122	359	382	395	674	664	374	200	205	253	180	195
AC-FT	23,710	106,000	47,990	83,020	53,400	53,680	32,410	17,500	64,340	40,260	32,510	17,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

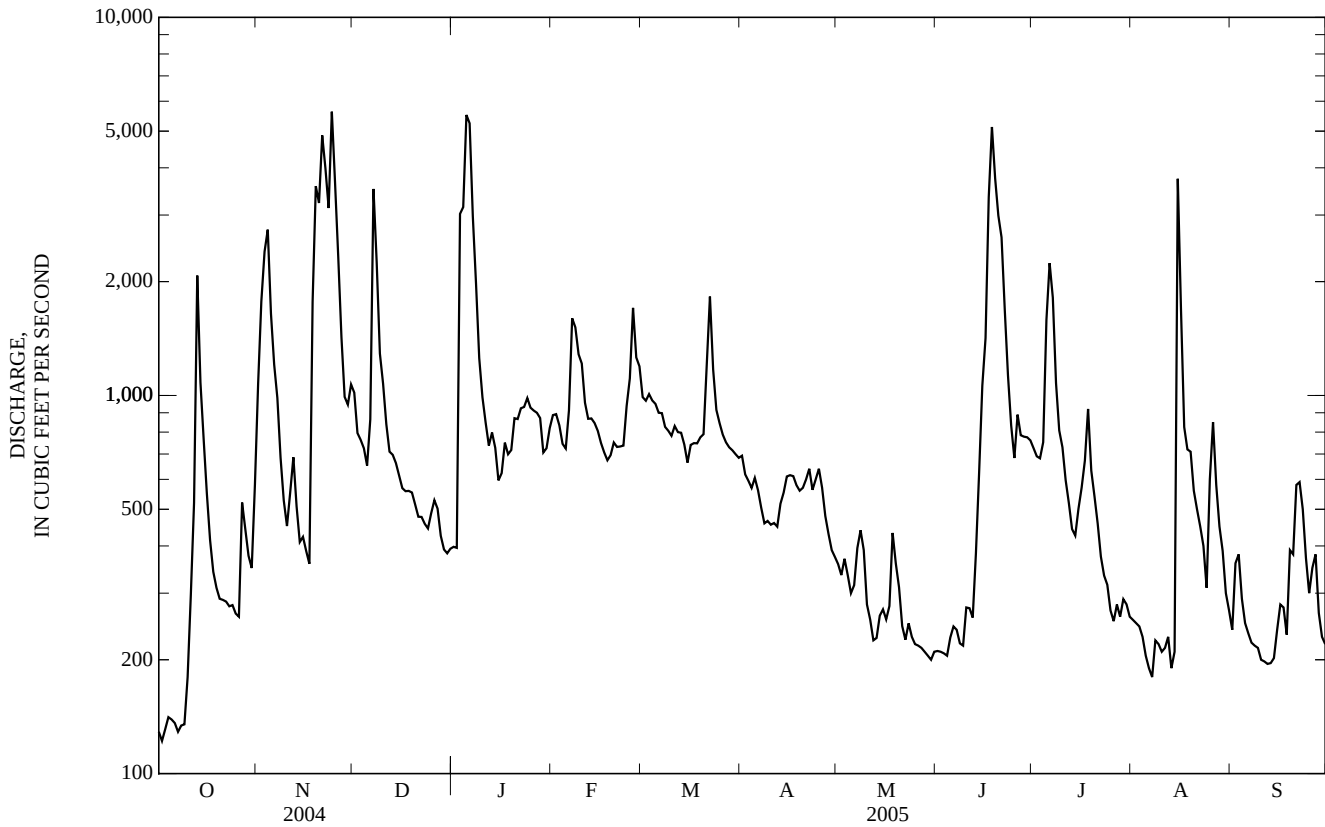
MEAN	687	668	504	482	640	900	1,157	1,675	1,544	674	383	473
MAX	4,914	4,580	3,225	2,825	3,037	5,684	6,643	6,989	6,081	3,230	2,667	3,894
(WY)	(1987)	(1942)	(1993)	(1998)	(1985)	(1990)	(1945)	(1993)	(1957)	(1951)	(1950)	(1950)
MIN	4.25	16.7	43.8	44.3	56.6	43.5	72.8	85.3	73.4	42.5	8.71	0.00
(WY)	(1957)	(1955)	(1955)	(1940)	(1957)	(1940)	(1955)	(1940)	(1953)	(1954)	(1956)	(1954)

e Estimated

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	265,652		288,715		815	
ANNUAL MEAN	726		791		156	
HIGHEST ANNUAL MEAN					2,229	
LOWEST ANNUAL MEAN					156	
HIGHEST DAILY MEAN	9,460	Mar 4	5,630	Nov 24	55,800	Apr 15, 1945
LOWEST DAILY MEAN	120	Sep 30	122	Oct 2	a0.00	Aug 27, 1954
ANNUAL SEVEN-DAY MINIMUM	129	Sep 28	132	Oct 1	0.00	Aug 27, 1954
MAXIMUM PEAK FLOW			7,950	Jan 5	66,000	Apr 15, 1945
MAXIMUM PEAK STAGE			11.57	Jan 5	26.40	Apr 15, 1945
ANNUAL RUNOFF (AC-FT)	526,900		572,700		590,600	
10 PERCENT EXCEEDS	1,510		1,540		1,820	
50 PERCENT EXCEEDS	414		571		321	
90 PERCENT EXCEEDS	164		220		73	

a No flow Aug. 27 to Oct. 11, 1954, Aug. 25 to Oct. 22, 1956.



07242380 DEEP FORK NEAR WARWICK, OK

LOCATION.--Lat 35°40'51", long 97°00'29", NW ¼ NE ¼ sec. 20, T.14 N., R.3 E., Lincoln County, Hydrologic Unit 11100303, on left downstream abutment on U.S. Highway 66, 0.5 mi southwest of Warwick, and at mile 190.9.

DRAINAGE AREA.--532 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 823.05 ft above NGVD of 1929.

REMARKS.--Records fair. Considerable regulation by Arcadia Lake (station 07242340), 22.9 miles upstream, since November 1986. U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	50	292	62	81	256	58	42	113	e205	24	57
2	16	616	277	62	179	220	56	44	36	60	23	33
3	16	494	119	66	179	91	55	47	28	44	23	27
4	16	384	99	136	169	84	55	46	25	837	23	24
5	16	296	102	1,270	87	81	57	46	23	263	23	20
6	16	281	120	648	169	80	54	47	24	317	25	18
7	18	273	237	356	194	82	59	46	e21	e200	29	18
8	22	252	154	400	224	83	55	46	20	e94	28	17
9	19	163	216	347	283	73	56	45	172	67	24	17
10	28	93	219	315	226	72	57	43	150	45	21	16
11	512	80	121	292	194	71	68	43	488	41	22	21
12	67	63	101	274	99	69	52	41	181	39	21	35
13	40	57	95	263	100	66	50	52	1,760	38	33	21
14	186	54	87	244	90	64	51	168	e340	88	53	19
15	183	75	82	99	82	67	50	71	e174	55	147	321
16	105	173	79	79	77	78	49	50	e200	42	59	202
17	99	557	78	79	71	75	50	123	3,380	39	92	87
18	97	1,600	76	76	68	69	50	118	1,150	36	54	54
19	51	567	75	79	70	64	51	45	655	34	34	40
20	31	e380	73	171	73	63	51	34	e419	32	28	31
21	22	888	71	170	72	70	48	34	e308	29	467	31
22	22	555	68	83	69	71	46	32	e254	29	1,230	31
23	23	e690	e68	69	513	68	46	30	e211	28	625	27
24	22	725	e66	67	348	67	46	28	e197	27	450	26
25	21	432	e63	69	329	64	50	27	e187	27	e320	26
26	23	368	e76	68	292	62	50	28	e181	24	230	25
27	25	335	59	66	282	63	46	28	e181	24	83	23
28	35	314	60	70	269	62	43	33	e175	23	41	23
29	25	308	61	85	---	63	42	31	e212	23	338	21
30	22	303	64	83	---	128	43	29	e220	23	132	21
31	24	---	60	83	---	61	---	43	---	24	90	---
TOTAL	1,818	11,426	3,418	6,231	4,889	2,587	1,544	1,540	11,485	2,857	4,792	1,332
MEAN	58.6	381	110	201	175	83.5	51.5	49.7	383	92.2	155	44.4
MAX	512	1,600	292	1,270	513	256	68	168	3,380	837	1,230	321
MIN	16	50	59	62	68	61	42	27	20	23	21	16
AC-FT	3,610	22,660	6,780	12,360	9,700	5,130	3,060	3,050	22,780	5,670	9,500	2,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

MEAN	146	195	166	160	171	347	384	516	501	172	144	202
MAX	591	539	683	699	516	1,249	1,435	2,494	2,978	738	630	1,527
(WY)	(1998)	(1997)	(1993)	(1998)	(1993)	(1998)	(1990)	(1993)	(1995)	(1995)	(1989)	(1989)
MIN	25.8	26.1	28.9	36.7	47.0	59.3	51.5	49.7	70.5	18.0	16.5	11.7
(WY)	(2000)	(2004)	(2004)	(2000)	(1996)	(1991)	(2005)	(2005)	(1988)	(2003)	(2003)	(2000)

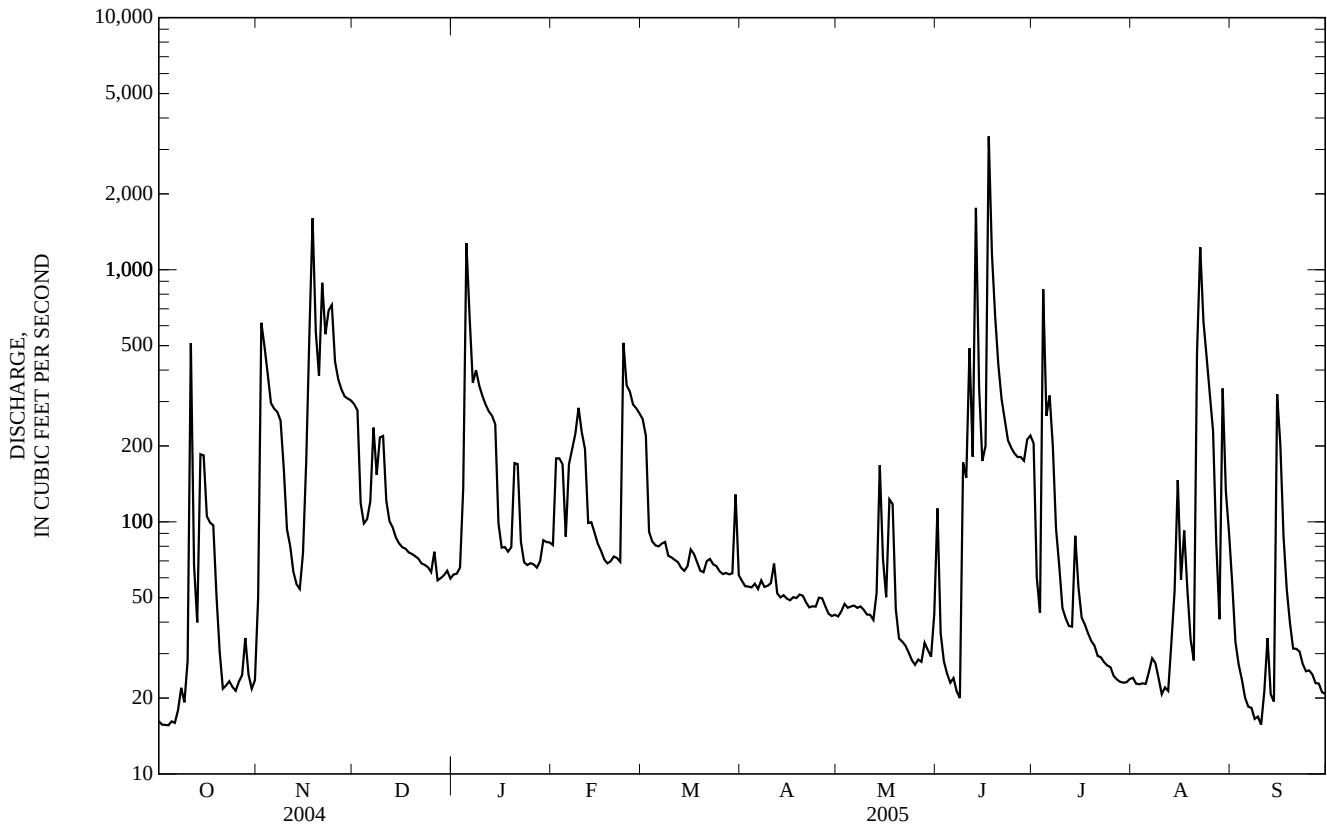
e Estimated

07242380 DEEP FORK NEAR WARWICK, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	60,257		53,919		259	
ANNUAL MEAN	165		148		574	
HIGHEST ANNUAL MEAN					77.0	
LOWEST ANNUAL MEAN					19,000	
HIGHEST DAILY MEAN	5,060	Mar 4	3,380	Jun 17	19,000	May 9, 1993
LOWEST DAILY MEAN	15	Jun 2	16	at times	a3.9	Dec 13, 1987
ANNUAL SEVEN-DAY MINIMUM	16	Sep 28	16	Oct 1	8.2	Sep 15, 1997
MAXIMUM PEAK FLOW			6,820	Jun 17	34,600	Jun 9, 1995
MAXIMUM PEAK STAGE			12.96	Jun 17	b21.28	Jun 9, 1995
ANNUAL RUNOFF (AC-FT)	119,500		106,900		187,400	
10 PERCENT EXCEEDS	402		324		586	
50 PERCENT EXCEEDS	56		67		75	
90 PERCENT EXCEEDS	19		23		24	

a Minimum daily discharge for period of record, .05 ft³/s Aug. 23, 1987.

b Maximum gage height for period of record, 22.05 ft, Oct. 21, 1983.



07243500 DEEP FORK NEAR BEGGS, OK

LOCATION.--Lat 35°40'26", long 96°04'06", NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.14 N., R.12 E., Okmulgee County, Hydrologic Unit 11100303, near right downstream abutment of county road bridge, 3.0 mi upstream from Adams Creek, 4.0 mi south of Beggs, 8.0 mi downstream from Flat Rock (Checkerboard) Creek, and at mile 85.0.

DRAINAGE AREA.--2,018 mi².

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 957: 1941. WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 632.55 ft above NGVD of 1929. Prior to Aug. 29, 1939, nonrecording gage at site 450 ft downstream at same datum. Aug. 29, 1939, to June 22, 1953, nonrecording gage at present site and datum. June 23, 1953, to July 15, 1981, recording gage at present site and datum. July 16, 1981, to May 3, 1989, recording gage at site 1,000 ft downstream and at same datum.

REMARKS.--Records poor. Some regulation by Arcadia Lake (station 07242340) since November 1986. U.S. Army Corps of Engineers' satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	87	766	184	361	800	238	96	48	336	27	301
2	e15	145	748	189	366	717	412	93	70	386	25	258
3	e14	188	595	385	419	654	383	90	75	366	23	185
4	e14	594	505	1,740	414	601	290	90	106	376	22	201
5	e14	640	454	3,380	477	508	252	89	139	687	21	168
6	15	579	485	4,020	670	383	261	93	102	857	20	94
7	16	371	1,690	3,500	1,720	336	1,290	97	99	1,080	23	70
8	17	265	1,880	3,060	1,590	311	722	101	69	722	27	60
9	18	234	1,700	3,030	1,450	301	444	99	51	504	24	52
10	19	218	1,120	2,420	1,070	294	341	94	47	407	46	42
11	27	222	670	1,370	989	276	291	87	81	341	45	35
12	27	201	558	1,030	845	e265	251	84	426	240	31	31
13	63	166	480	1,040	736	e255	214	84	686	163	24	29
14	320	111	375	953	698	243	190	564	1,210	123	192	27
15	165	88	301	770	612	228	180	608	1,450	104	1,570	35
16	89	70	266	653	554	223	157	345	1,640	110	1,390	40
17	74	57	246	552	479	219	145	359	3,120	100	592	68
18	166	55	229	426	417	226	138	289	3,680	152	491	150
19	142	224	223	369	378	241	134	348	3,080	123	341	305
20	101	1,250	219	355	354	233	132	422	2,690	89	236	200
21	92	1,640	212	353	344	374	131	342	2,780	72	208	140
22	89	1,690	200	345	343	1,130	129	227	2,890	62	245	103
23	69	1,330	191	394	542	847	129	141	2,140	56	276	79
24	50	1,670	181	402	1,270	564	117	96	977	52	1,340	65
25	41	1,720	170	335	1,610	434	107	76	697	50	1,320	53
26	39	1,930	142	284	1,700	343	106	64	554	46	945	44
27	36	1,740	128	269	1,210	298	105	57	478	47	606	35
28	40	950	166	267	906	282	107	52	414	42	470	32
29	67	651	205	277	---	259	109	50	373	36	366	e33
30	97	608	209	308	---	247	103	47	344	35	262	e32
31	70	---	191	340	---	230	---	47	---	31	172	---
TOTAL	2,021	19,694	15,505	33,000	22,524	12,322	7,608	5,331	30,516	7,795	11,380	2,967
MEAN	65.2	656	500	1,065	804	397	254	172	1,017	251	367	98.9
MAX	320	1,930	1,880	4,020	1,720	1,130	1,290	608	3,680	1,080	1,570	305
MIN	14	55	128	184	343	219	103	47	47	31	20	27
AC-FT	4,010	39,060	30,750	65,460	44,680	24,440	15,090	10,570	60,530	15,460	22,570	5,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

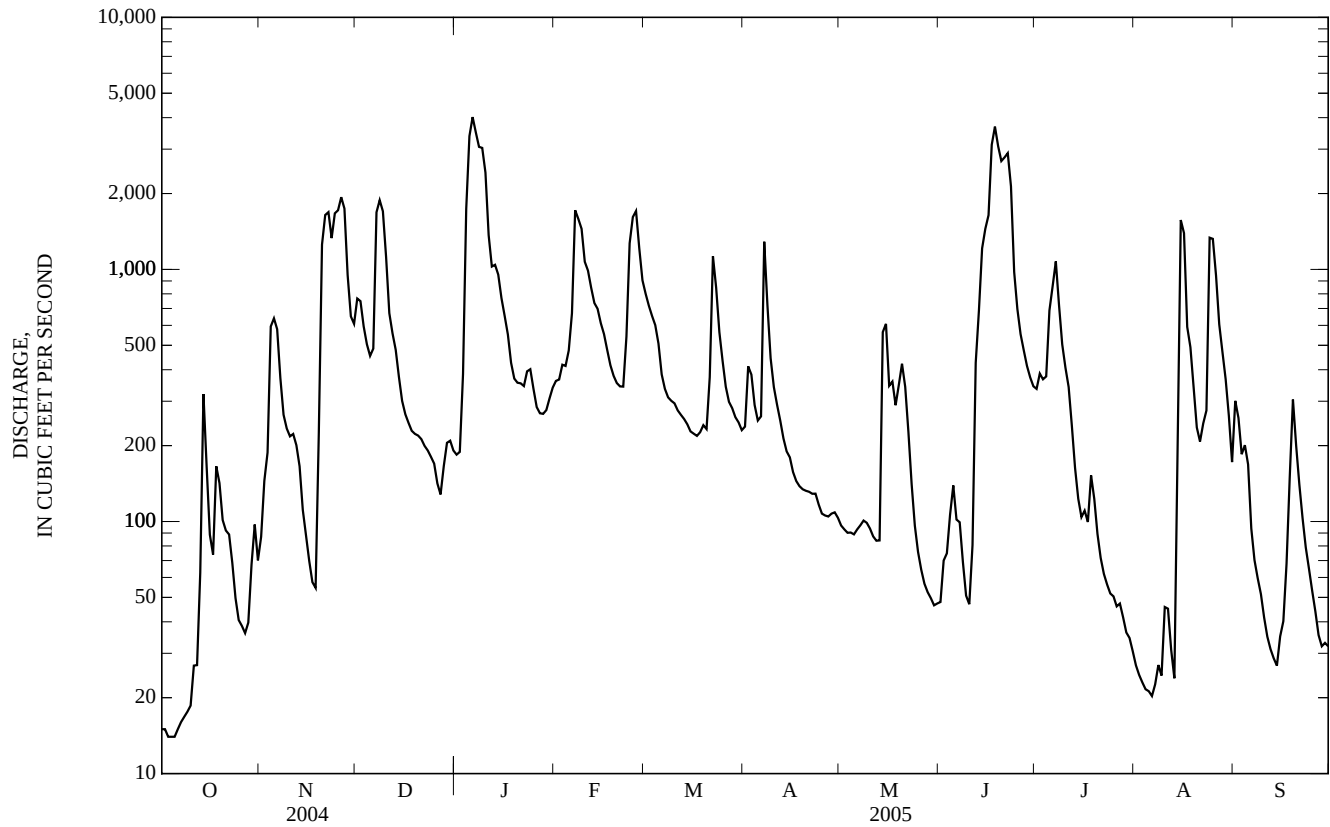
MEAN	704	765	545	455	707	1,223	1,512	2,246	1,857	585	243	355
MAX	5,464	8,391	4,797	3,749	4,388	8,895	9,520	12,470	8,994	3,950	2,416	1,947
(WY)	(1942)	(1975)	(1993)	(1985)	(1985)	(1990)	(1945)	(1943)	(1974)	(1950)	(1992)	(1989)
MIN	0.00	0.00	0.51	7.74	20.3	9.65	37.0	120	59.0	5.67	3.31	0.00
(WY)	(1955)	(1955)	(1955)	(1940)	(1957)	(1940)	(1955)	(1996)	(1953)	(1954)	(1954)	(1956)

e Estimated

07243500 DEEP FORK NEAR BEGGS, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	194,437		170,663		933	
ANNUAL MEAN	531		468		114	
HIGHEST ANNUAL MEAN					2,645	
LOWEST ANNUAL MEAN					114	
HIGHEST DAILY MEAN	7,860	Mar 9	4,020	Jan 6	55,600	May 11, 1943
LOWEST DAILY MEAN	14	Oct 3	14	Oct 3	a0.00	Sep 20, 1939
ANNUAL SEVEN-DAY MINIMUM	15	Sep 29	15	Oct 1	0.00	Sep 29, 1939
MAXIMUM PEAK FLOW			4,310	Jan 5	66,800	May 11, 1943
MAXIMUM PEAK STAGE			13.82	Jan 5	34.55	May 11, 1943
ANNUAL RUNOFF (AC-FT)	385,700		338,500		675,700	
10 PERCENT EXCEEDS	1,210		1,300		2,600	
50 PERCENT EXCEEDS	208		240		175	
90 PERCENT EXCEEDS	29		38		21	

a At times in 1939, 1954, 1956.



07245000 CANADIAN RIVER NEAR WHITEFIELD, OK

LOCATION.--Lat 35°15'50", long 95°14'21", in SE ¼ SE ¼ sec.12, T.9 N., R.19 E., Haskell County, Hydrologic Unit 11090204, on right downstream bank at end of bridge on State Highway 2, 0.8 mi north of Whitefield, 5.5 mi upstream from Taloka (Snake) Creek, 8.2 mi downstream from Eufaula Dam, and at mile 18.8.

DRAINAGE AREA.--47,576 mi², of which 9,700 mi² is probably noncontributing.

PERIOD OF RECORD.--July 1938 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 473.16 ft above NGVD of 1929. Prior to Jan. 11, 1939, nonrecording gage and Jan. 11, 1939 to Dec. 10, 1941, June 12, 1947 to Sept. 30, 1948, water-stage recorder, all at site 2.1 mi downstream at datum 2.20 ft higher. Dec. 11, 1941 to June 1, 1947, and Oct. 1, 1948 to Sept. 30, 1978, water-stage recorder at site 400 ft upstream and at datum 5.00 ft higher. Oct. 1, 1978 to July 26, 1983, water-stage recorder at site 400 ft upstream at same datum.

REMARKS.--No estimated daily discharge. Records fair. Prior to February 1964, occasional slight regulation by Conchas Lake in New Mexico and, except for 54 mi² of intervening area, completely regulated thereafter by Eufaula Lake (station 07244800). U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1898, that of May 10, 1943, from information by local resident.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,640	3,680	13,700	283	6,370	9,360	5,380	37	861	4,350	5,210	2,830
2	1,280	13,800	13,800	176	8,380	9,410	4,390	811	1,260	3,100	4,760	1,340
3	929	13,900	9,960	5,520	7,930	9,350	4,290	2,300	1,960	2,960	5,970	587
4	1,150	13,700	13,600	14,200	5,340	6,850	4,370	2,550	674	3,440	5,240	539
5	2,360	13,700	13,600	14,200	982	863	4,560	3,340	100	4,870	5,520	2,570
6	3,020	13,700	13,700	13,200	267	432	4,460	5,390	2,700	9,310	1,270	4,580
7	5,580	13,700	13,800	15,900	5,860	573	4,800	3,120	3,630	7,110	908	4,340
8	4,410	13,700	13,500	26,500	7,700	5,380	6,710	3,000	3,290	2,440	4,840	2,580
9	1,580	13,800	13,500	26,500	7,110	6,670	7,080	3,760	2,650	2,390	6,180	177
10	308	13,700	13,500	26,100	6,730	6,590	7,620	4,820	2,410	2,190	6,080	139
11	1,600	13,900	13,600	26,300	4,620	8,850	8,220	5,120	1,900	3,790	5,700	447
12	1,930	4,780	13,500	25,000	6,910	3,120	7,230	5,550	1,960	3,410	4,890	382
13	1,080	1,000	13,400	17,000	7,490	1,210	8,160	5,120	2,350	3,610	3,100	121
14	299	99	13,400	20,000	7,610	3,710	8,010	1,160	2,870	2,580	2,150	124
15	2,050	4,960	10,700	25,400	6,880	5,030	7,940	140	1,400	2,910	3,800	1,660
16	1,180	5,450	9,670	25,300	7,710	3,260	5,400	1,070	1,710	2,520	5,050	848
17	216	3,140	9,170	25,700	7,220	2,620	4,950	3,160	2,600	2,240	3,230	117
18	2,200	4,700	1,600	25,600	3,520	902	6,660	5,200	3,140	4,770	4,560	98
19	3,580	4,420	150	22,000	1,180	820	6,080	4,400	1,420	3,920	5,120	1,970
20	3,800	13,600	78	13,600	136	56	7,660	3,030	1,420	6,220	5,530	3,190
21	4,610	6,920	1,830	13,900	2,440	3,250	6,940	2,090	1,570	5,660	3,380	2,220
22	2,770	6,070	5,480	7,150	7,230	2,110	6,790	1,130	1,540	5,840	5,390	2,790
23	1,090	14,900	3,510	3,960	6,200	4,740	2,120	4,790	2,360	5,260	7,470	3,620
24	515	20,100	3,210	5,370	6,840	4,650	2,180	2,530	2,910	4,740	6,930	2,500
25	2,730	19,100	2,690	5,990	9,580	4,850	4,000	4,040	2,090	5,250	1,120	815
26	4,370	19,100	498	6,860	8,960	4,380	3,490	2,570	252	5,980	2,140	1,370
27	4,570	18,800	5,730	5,000	9,370	4,680	3,920	630	2,340	4,380	1,130	1,550
28	5,360	18,900	3,510	5,450	9,370	4,700	159	930	4,400	3,570	167	2,150
29	3,200	17,800	2,220	5,630	---	5,510	366	2,440	3,700	6,360	2,410	868
30	1,400	13,900	1,350	6,000	---	4,130	489	2,180	3,680	4,150	3,410	116
31	261	---	310	6,430	---	4,160	---	1,340	---	4,820	2,790	---
TOTAL	73,068	339,019	248,266	440,219	169,935	132,216	154,424	87,748	65,147	134,140	125,445	46,638
MEAN	2,357	11,300	8,009	14,200	6,069	4,265	5,147	2,831	2,172	4,327	4,047	1,555
MAX	5,580	20,100	13,800	26,500	9,580	9,410	8,220	5,550	4,400	9,310	7,470	4,580
MIN	216	99	78	176	136	56	159	37	100	2,190	167	98
AC-FT	144,900	672,400	492,400	873,200	337,100	262,300	306,300	174,000	129,200	266,100	248,800	92,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

MEAN	2,704	5,460	6,340	6,283	6,172	9,036	9,008	12,060	10,270	5,016	3,562	2,444
MAX	13,100	21,930	29,600	32,030	19,480	30,340	37,980	64,970	35,550	15,630	20,050	13,910
(WY)	(1987)	(1975)	(1993)	(1998)	(1993)	(1985)	(1990)	(1982)	(1999)	(1982)	(1992)	(1992)
MIN	69.5	248	247	119	127	129	81.5	148	600	259	692	558
(WY)	(2003)	(1983)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1988)	(1988)	(1985)	(1985)

07245000 CANADIAN RIVER NEAR WHITEFIELD, OK—Continued

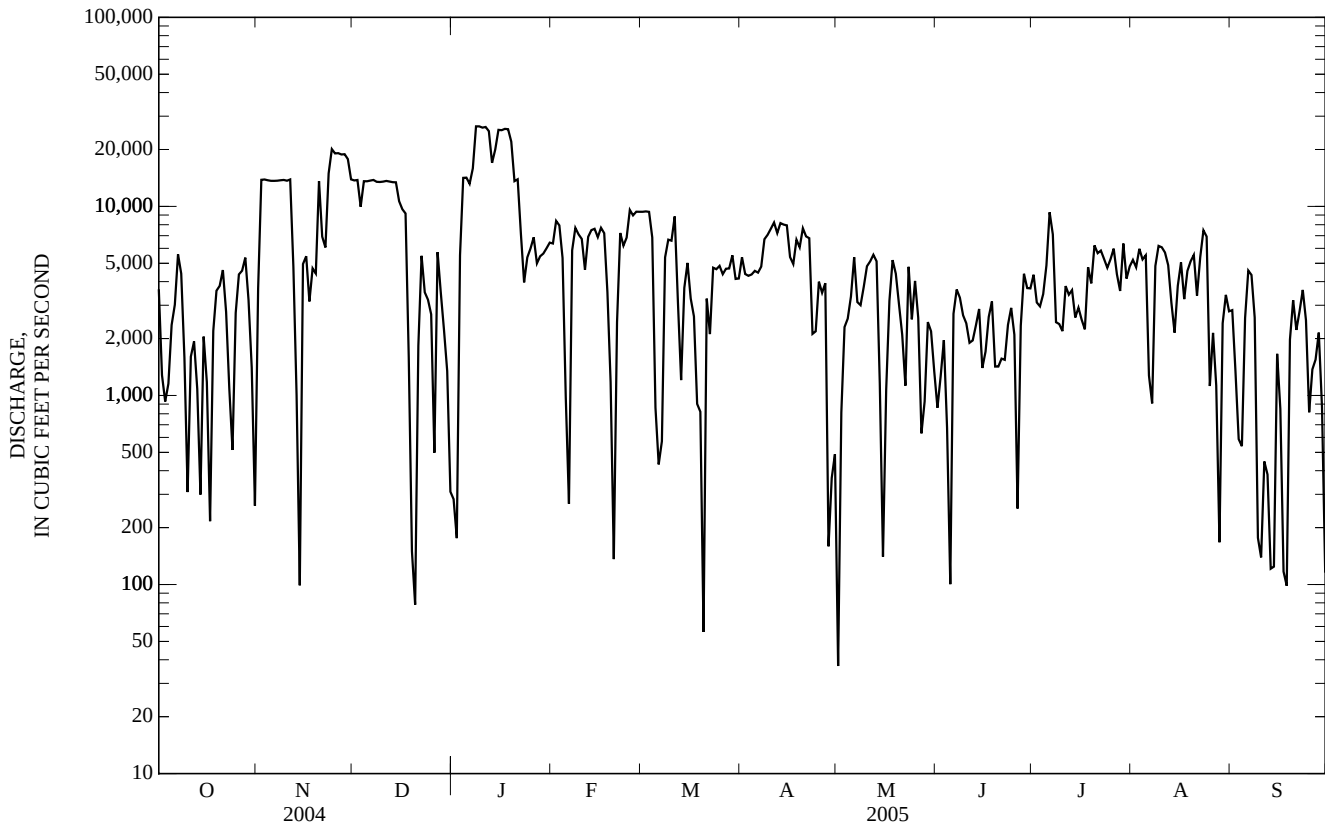
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1968 - 2005	
ANNUAL TOTAL	1,231,017		2,016,265		a6,529	
ANNUAL MEAN	3,363		5,524		15,200	
HIGHEST ANNUAL MEAN					1,012	
LOWEST ANNUAL MEAN					226,000	
HIGHEST DAILY MEAN	20,100	Nov 24	26,500	Jan 8	May 5, 1990	
LOWEST DAILY MEAN	32	Feb 27	37	May 1	b17	Dec 1, 1980
ANNUAL SEVEN-DAY MINIMUM	38	Feb 25	436	Sep 9	31	Nov 8, 2002
MAXIMUM PEAK FLOW			27,000	Jan 8,9	c241,000	May 3, 1990
MAXIMUM PEAK STAGE			10.99	Jan 8,9	d25.32	May 3, 1990
ANNUAL RUNOFF (AC-FT)	2,442,000		3,999,000		4,730,000	
10 PERCENT EXCEEDS	9,610		13,700		16,100	
50 PERCENT EXCEEDS	1,820		4,160		3,500	
90 PERCENT EXCEEDS	167		613		148	

a Prior to regulation, water years 1939-63, 6,005 ft³/s.

b Minimum daily discharge for period of record was 0.4 ft³/s, Oct. 8, 1956.

c Maximum discharge for period of record 281,000 ft³/s, May 10, 1943.

d Maximum gage height for period of record 25.5 ft, May 10, 1943.



ARKANSAS RIVER BASIN

07247000 POTEAU RIVER AT CAUTHRON

LOCATION.--Lat 34°55'08", long 94°17'58", in NW1/4SW1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of Scott County Road No. 56 bridge at Cauthron, 200 ft south of junction with State Hwy 28, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1037: 1939(M). WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above NGVD of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. As of September 1974, flow from 92.2 mi² upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

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

DAILY MEAN VALUES

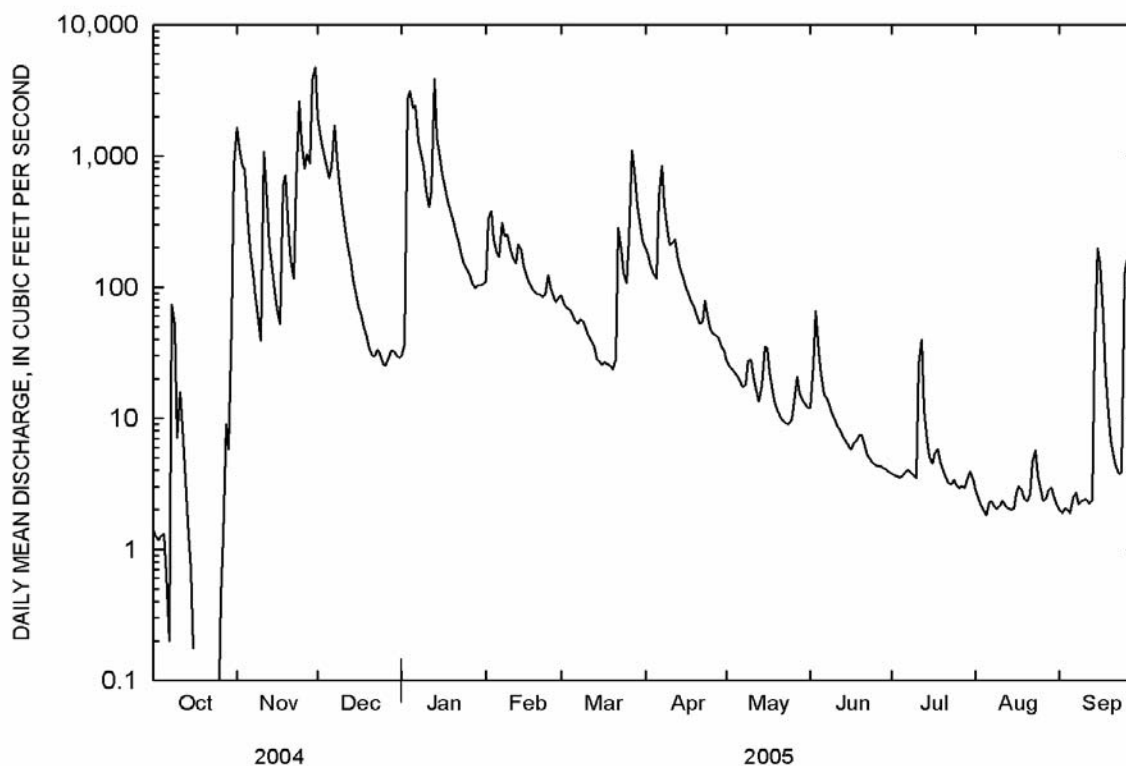
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1650	1960	30	112	86	195	28	12	3.8	2.9	2.0
2	1.3	1150	1370	36	326	74	176	25	25	3.7	2.5	1.9
3	1.2	841	1100	2720	384	69	145	24	66	3.6	2.2	2.0
4	1.3	793	871	3120	231	68	126	22	32	3.5	2.0	2.0
5	1.3	332	677	2330	184	62	116	21	22	3.6	1.8	1.9
6	0.64	195	827	2420	170	55	489	19	15	3.9	2.3	2.5
7	0.20	127	1720	1300	312	53	840	17	14	4.0	2.3	2.7
8	74	85	969	1070	246	57	422	18	13	3.9	2.1	e3.1
9	51	55	634	836	252	54	276	27	11	3.7	2.0	e2.7
10	7.0	39	407	546	204	48	211	28	9.7	3.5	2.1	2.4
11	16	1080	275	406	168	43	217	21	8.8	26	2.3	2.4
12	8.6	455	209	545	151	39	231	16	8.0	40	2.1	2.2
13	3.4	212	157	3890	211	35	162	13	7.2	12	2.1	2.4
14	1.6	134	115	1380	190	29	136	18	6.7	6.8	2.0	37
15	0.70	94	88	987	147	27	116	35	6.1	5.0	2.0	197
16	0.18	69	71	721	126	26	100	34	5.8	4.5	2.6	151
17	0.00	53	60	565	109	27	87	22	6.6	5.4	3.0	62
18	0.00	602	50	455	98	26	78	16	6.7	5.8	2.8	22
19	0.00	713	41	376	91	25	70	13	7.4	4.7	2.5	11
20	0.00	268	34	312	89	24	61	11	7.4	4.0	2.3	6.8
21	0.00	159	30	260	89	28	53	10	6.1	3.6	2.6	5.0
22	0.00	115	30	215	84	285	54	9.5	5.3	3.2	4.6	4.2
23	0.00	633	34	176	88	193	79	9.1	4.9	3.2	5.7	3.8
24	0.00	2610	31	153	123	128	61	9.0	4.6	3.4	3.7	3.9
25	0.02	1280	26	137	99	107	48	9.9	4.4	3.1	2.8	126
26	0.43	806	25	124	84	236	44	14	4.3	2.9	2.3	159
27	1.2	1030	28	108	77	1110	43	21	4.3	3.1	2.4	78
28	9.0	875	33	98	83	783	40	15	4.2	3.0	2.8	111
29	5.7	3770	33	104	---	417	36	14	4.1	3.5	2.9	474
30	52	4760	30	103	---	292	32	13	3.9	3.9	2.5	168
31	857	---	29	104	---	223	---	12	---	3.4	2.2	---
TOTAL	1095.17	24985	11964	25627	4528	4729	4744	564.5	336.5	187.7	80.4	1649.5
MEAN	35.3	833	386	827	162	153	158	18.2	11.2	6.05	2.59	55.0
MAX	857	4760	1960	3890	384	1110	840	35	66	40	5.7	474
MIN	0.00	39	25	30	77	24	32	9.0	3.9	2.9	1.8	1.9
AC-FT	2170	49560	23730	50830	8980	9380	9410	1120	667	372	159	3270

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	95.0	282	360	312	393	418	344	420	201	66.1	17.2	22.1
MAX	1423	1900	1078	1075	1298	1185	1092	2080	846	455	93.7	166
(WY)	1985	1997	1983	1998	2001	2002	1991	1990	1986	2004	1996	1996
MIN	0.02	2.09	2.02	14.1	35.6	59.9	27.3	13.6	2.36	0.41	0.81	0.19
(WY)	1979	1996	1990	1981	1996	1986	2003	1977	1988	1980	1976	1980

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL TOTAL	90376.29		80489.87			
ANNUAL MEAN	247		221		¹ 243	
HIGHEST ANNUAL MEAN					432	
LOWEST ANNUAL MEAN					48.7	
HIGHEST DAILY MEAN	5620	Jul 3	4760	Nov 30	16900	May 3 1990
LOWEST DAILY MEAN	0.00	Oct 17	0.00	Oct 17	0.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 17	0.00	Oct 17	0.00	Oct 7 1978
MAXIMUM PEAK FLOW			8490	Nov 30	² 24000	May 3 1990
MAXIMUM PEAK STAGE			16.67	Nov 30	³ 22.17	May 3 1990
INSTANTANEOUS LOW FLOW			0.00	at times	0.00	at times
ANNUAL RUNOFF (AC-FT)	179300		159700		176300	
10 PERCENT EXCEEDS	730		651		599	
50 PERCENT EXCEEDS	33		32		47	
90 PERCENT EXCEEDS	0.57		2.2		1.8	

¹Prior to regulation, water years 1940-74, 218 ft³/s²Maximum discharge for period of record, 32,200 ft³/s May 20, 1960³Maximum gage height for period of record, 23.76 ft May 20, 1960^eEstimated

07247015 POTEAU RIVER NEAR LOVING, OK

LOCATION.--Lat 34°52'47", long 94°29'02", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.5 N., R.27 E., LeFlore County, Hydrologic Unit 11110105, on right downstream bank of county road bridge, 0.6 mi northwest of Loving, 1.0 mi above Loving Creek, and at mile 93.6.

DRAINAGE AREA.--269 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1992, to current year.

REVISED RECORDS.--OK-2000-1: 1999.

GAGE.--Water-stage recorder. Datum of gage is 507.76 ft above NGVD of 1929.

REMARKS.--Records good. Some regulation by small flood-retarding structures. U.S. Geological Survey satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	1,570	2,840	102	144	109	227	39	20	e1.0	e0.20	1.9
2	0.69	1,410	1,610	118	236	102	205	36	35	e1.0	0.07	1.3
3	0.50	682	1,190	2,520	561	92	172	35	30	e0.90	0.34	1.3
4	0.33	756	907	5,320	351	88	142	32	51	1.7	0.88	1.6
5	0.21	465	710	2,920	272	85	127	30	42	1.6	1.3	1.8
6	0.87	318	860	3,940	243	78	604	28	30	e1.2	1.2	1.9
7	1.8	240	1,990	1,590	358	74	1,100	27	24	e1.0	1.2	1.6
8	1.8	182	1,150	1,190	355	74	635	27	19	e1.0	1.0	1.5
9	108	138	779	884	361	75	402	30	17	e0.90	1.5	1.6
10	71	106	604	702	317	70	293	31	15	e0.85	2.0	1.6
11	36	838	472	580	247	64	239	33	11	e0.80	2.3	1.5
12	52	634	390	790	216	59	290	28	10	e0.80	2.1	1.4
13	34	342	331	6,260	244	55	205	24	9.0	14	1.9	1.3
14	16	241	273	1,860	281	51	161	27	8.3	26	1.6	1.8
15	7.8	181	226	1,160	209	46	134	30	6.8	17	1.6	56
16	4.4	142	196	808	174	44	113	32	5.9	15	1.6	129
17	2.6	114	175	639	151	43	98	36	11	9.7	1.8	99
18	1.8	342	157	541	135	43	86	28	10	6.6	2.0	48
19	0.98	1,010	141	463	122	45	77	23	8.6	7.6	3.2	27
20	0.64	416	127	399	116	43	69	19	6.4	9.2	3.8	15
21	0.51	275	116	343	113	e144	60	16	4.5	6.8	4.1	8.3
22	0.48	204	111	292	110	e451	154	13	7.0	5.0	3.7	5.3
23	0.63	380	112	241	110	280	86	12	5.3	3.7	4.0	3.3
24	0.51	3,230	115	206	137	130	82	16	4.2	2.6	3.8	2.5
25	0.37	1,670	107	185	138	96	64	65	2.9	2.3	5.0	11
26	0.38	891	101	166	115	103	58	29	2.8	2.0	9.1	137
27	0.47	935	102	147	104	1,030	51	18	3.5	1.5	9.3	101
28	0.51	955	108	133	101	924	49	23	1.9	e1.1	6.3	63
29	25	3,140	110	134	---	524	47	24	e1.0	e0.90	3.7	485
30	45	7,340	108	137	---	368	44	21	e1.0	e0.65	2.5	256
31	558	---	104	136	---	277	---	19	---	e0.35	2.3	---
TOTAL	974.16	29,147	16,322	34,906	6,021	5,667	6,074	851	404.1	144.75	85.39	1,468.5
MEAN	31.4	972	527	1,126	215	183	202	27.5	13.5	4.67	2.75	49.0
MAX	558	7,340	2,840	6,260	561	1,030	1,100	65	51	26	9.3	485
MIN	0.21	106	101	102	101	43	44	12	1.0	0.35	0.07	1.3
AC-FT	1,930	57,810	32,370	69,240	11,940	11,240	12,050	1,690	802	287	169	2,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	74.5	450	519	539	512	487	394	350	201	46.9	9.72	38.2
MAX	408	2,217	1,146	1,289	1,639	1,420	1,038	1,001	600	185	66.1	190
(WY)	(1999)	(1997)	(2002)	(1998)	(2001)	(2002)	(2002)	(1999)	(1992)	(2004)	(1996)	(1996)
MIN	3.35	3.25	16.1	39.0	34.1	131	37.1	24.8	12.6	1.84	2.05	2.43
(WY)	(2000)	(1996)	(2004)	(2000)	(1996)	(2004)	(2003)	(1997)	(1994)	(2001)	(2001)	(1999)

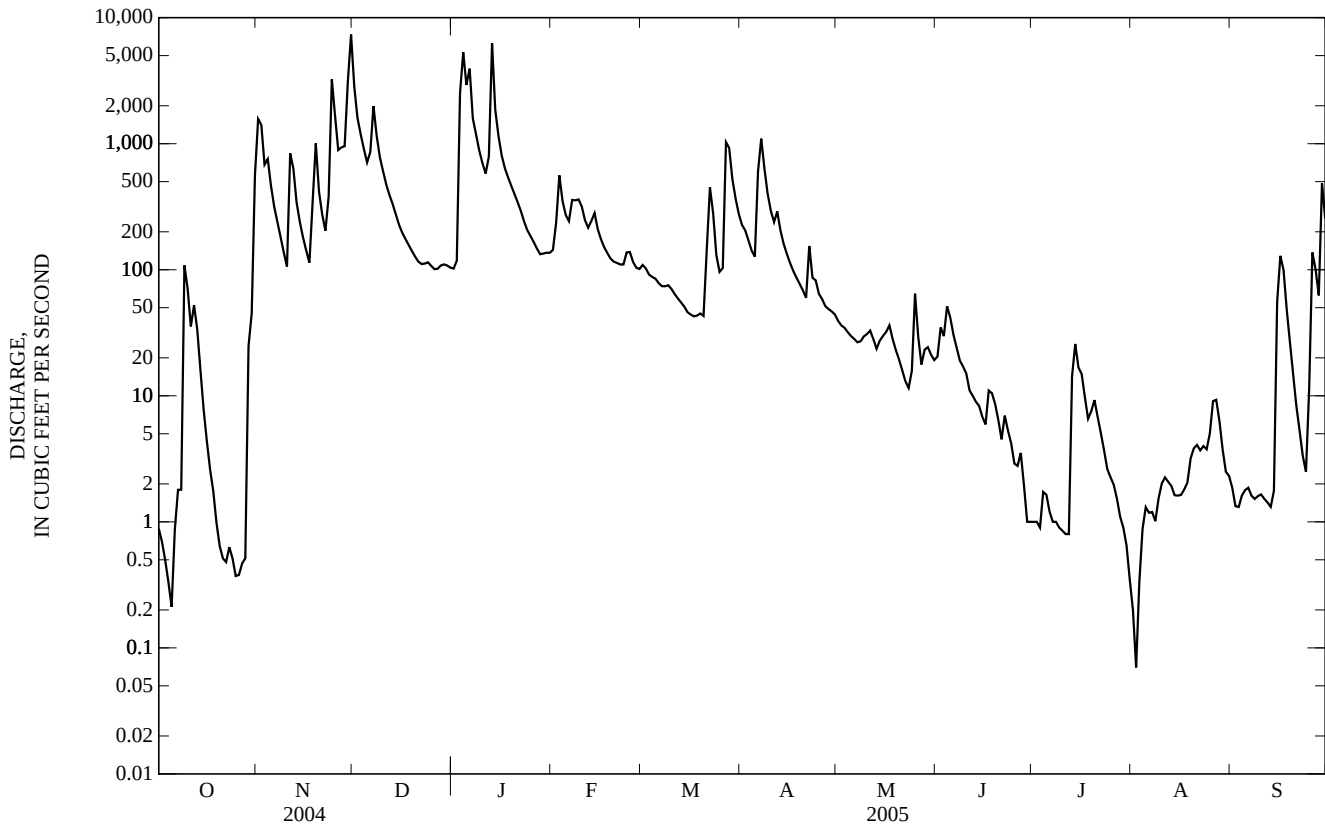
e Estimated

07247015 POTEAU RIVER NEAR LOVING, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	98,230.86		102,064.90		301	
ANNUAL MEAN	268		280		481	
HIGHEST ANNUAL MEAN					115	
LOWEST ANNUAL MEAN					12,500	
HIGHEST DAILY MEAN	7,340	Nov 30	7,340	Nov 30	13,800	Nov 25, 1996
LOWEST DAILY MEAN	0.21	Oct 5	0.07	Aug 2	a0.00	Sep 21, 2000
ANNUAL SEVEN-DAY MINIMUM	0.48	Oct 21	0.48	Oct 21	0.06	Sep 16, 2000
MAXIMUM PEAK FLOW			8,640		13,800	
MAXIMUM PEAK STAGE			25.52		b28.90	
ANNUAL RUNOFF (AC-FT)	194,800		202,400		218,100	
10 PERCENT EXCEEDS	740		705		710	
50 PERCENT EXCEEDS	52		52		55	
90 PERCENT EXCEEDS	2.5		1.2		2.9	

a Also occurred Sept. 22, 2000.

b From high-water mark.



07247015 POTEAU RIVER AT LOVING, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1991 to current year.

REMARKS.--Samples were collected bimonthly and specific conductance, pH, water temperature, and dissolved oxygen were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 14...	0800	1028	80020	18	7.5	--	6.9	--	7.9	479	7.4	16.6	.99
DEC 14...	1230	1028	80020	272	9.4	748	10.3	86	7.2	56	3.9	7.0	.33
FEB 24...	1700	1028	80020	157	6.7	745	10.6	101	7.1	90	11.3	12.3	.31
APR 27...	1230	1028	80020	51	12	747	8.5	92	7.0	87	16.7	18.3	.45
JUN 22...	0845	1028	80020	7.8	9.3	751	4.7	57	7.2	139	23.8	24.7	.56
AUG 17...	1210	1028	80020	1.6	6.5	748	4.1	53	7.2	195	28.2	26.8	.62

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

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)
OCT 14...	.02	.015	1.70	.38	.390	.023	.007	.97	1.4	.307	.100	.172	.21
DEC 14...	--	E.005	1.19	.27	.272	.010	.003	--	.60	.064	.021	.037	.058
FEB 24...	--	<.010	.106	.02	.026	.007	.002	--	.33	.021	.007	.018	.038
APR 27...	.02	.016	.513	.12	.118	.007	.002	.43	.57	--	E.004	.015	.069
JUN 22...	.04	.033	.305	.07	.071	.007	.002	.53	.63	.025	.008	.036	.112
AUG 17...	.07	.052	.274	.06	.065	.010	.003	.57	.69	--	E.005	.026	.072

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

Date	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT 14...	92	36	1.7
DEC 14...	83	12	8.8
FEB 24...	95	10	4.2
APR 27...	--	16	2.2
JUN 22...	96	26	.55
AUG 17...	92	10	.04

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07247250 BLACK FORK BELOW BIG CREEK NEAR PAGE, OK

LOCATION.--Lat 34°46'25", long 94°30'43", NE ¼ SW ¼ sec. 31, T.4 N., R.27 E., LeFlore County, Hydrologic Unit 11110105, on downstream side of bridge pier of county road bridge, 2.2 mi above Haw Creek, 5.0 mi north of Page, and at mile 24.6.

DRAINAGE AREA.--74.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1992 to current year.

REVISED RECORDS.--WDR OK-96-1: 1993(M), 1995(M).

GAGE.--Water-stage recorder. Datum of gage is 684.00 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharge. Records fair. U.S. Army Corps of Engineers' satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 29	1730	5,640	12.52	Jan 13	0100	*8,110	*14.25

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

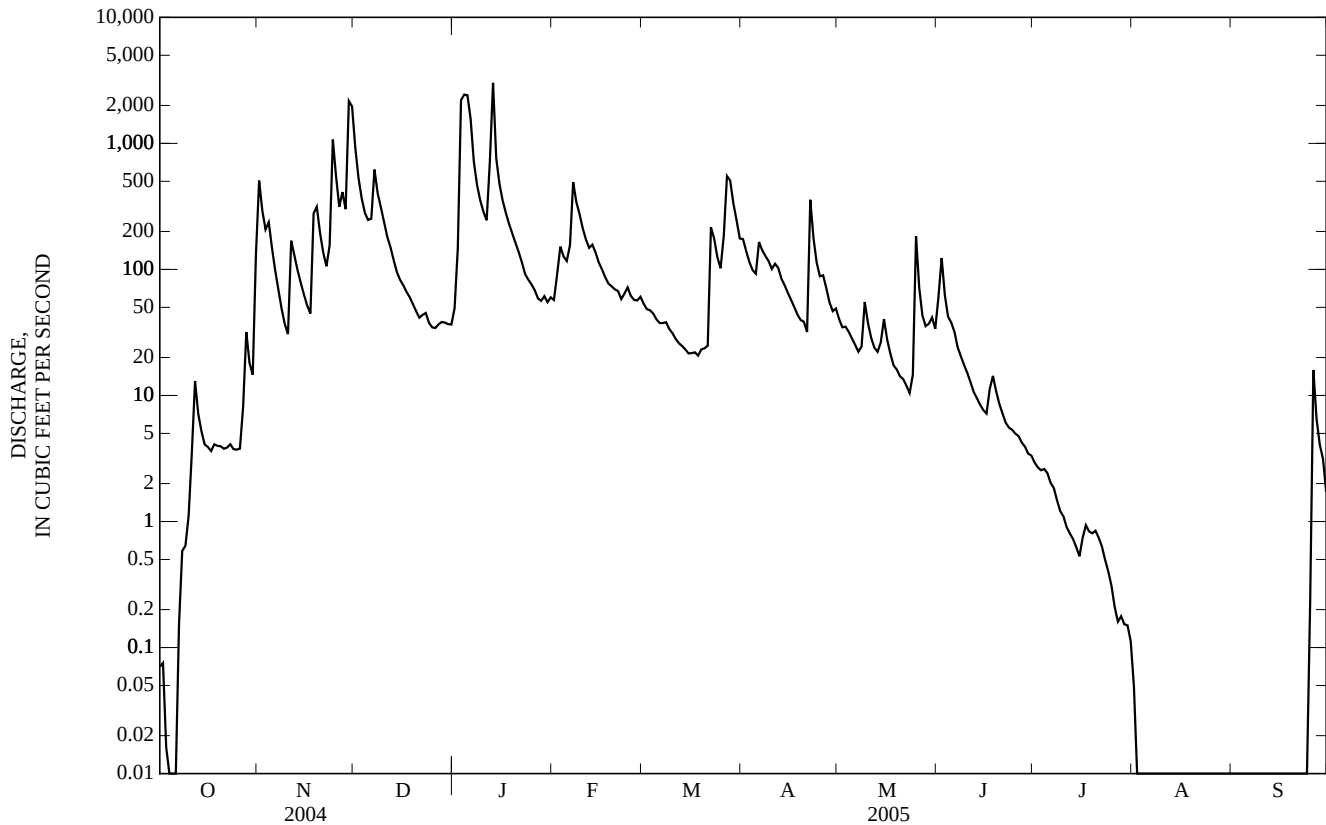
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.07	506	930	49	57	53	174	40	61	2.9	0.05	0.00
2	0.08	292	535	147	91	48	140	35	123	2.7	0.00	0.00
3	0.02	208	368	2,200	152	47	114	35	62	2.6	0.00	0.00
4	0.00	237	281	2,440	127	45	99	32	42	2.6	0.00	0.00
5	0.00	149	246	2,410	117	40	92	28	38	2.4	0.00	0.00
6	0.00	99	253	1,560	155	38	165	25	32	2.0	0.00	0.00
7	0.15	69	620	719	493	38	142	22	24	1.8	0.00	0.00
8	0.58	49	400	468	342	38	128	24	20	1.5	0.00	0.00
9	0.64	37	311	353	274	34	116	55	17	1.2	0.00	0.00
10	1.1	31	237	287	211	31	101	38	15	1.1	0.00	0.00
11	3.5	169	181	245	172	28	111	29	13	0.90	0.00	0.00
12	13	129	150	717	148	26	103	24	11	0.80	0.00	0.00
13	7.1	98	118	3,020	157	25	84	22	9.5	0.73	0.00	0.00
14	5.2	78	95	761	136	23	75	26	8.4	0.63	0.00	0.00
15	4.1	63	83	478	113	22	65	40	7.7	0.53	0.00	0.00
16	3.9	52	75	352	100	22	57	28	7.2	0.74	0.00	0.00
17	3.6	45	66	280	87	22	50	21	11	0.94	0.00	0.00
18	4.1	278	60	229	77	21	44	17	14	0.83	0.00	0.00
19	4.0	314	53	193	73	23	40	16	11	0.81	0.00	0.00
20	4.0	195	47	162	70	24	38	14	8.6	0.84	0.00	0.00
21	3.8	137	41	137	67	25	32	13	7.2	0.74	0.00	0.00
22	3.9	106	44	114	58	216	357	12	6.1	0.63	0.00	0.00
23	4.1	155	45	92	64	176	177	10	5.6	0.50	0.00	0.00
24	3.7	1,070	38	83	72	125	113	15	5.3	0.40	0.00	0.00
25	3.7	550	35	76	62	102	88	183	5.0	0.31	0.00	0.23
26	3.8	314	34	69	57	184	90	71	4.8	0.21	0.00	16
27	8.1	411	37	59	57	551	71	43	4.2	0.16	0.00	6.5
28	32	301	38	56	61	507	55	35	3.9	0.18	0.00	4.1
29	18	2,170	38	61	---	334	47	37	3.5	0.15	0.00	3.1
30	15	1,960	37	55	---	245	49	42	3.3	0.15	0.00	1.7
31	131	---	37	60	---	176	---	34	---	0.11	0.00	---
TOTAL	282.24	10,272	5,533	17,932	3,650	3,289	3,017	1,066	584.3	32.09	0.05	31.63
MEAN	9.10	342	178	578	130	106	101	34.4	19.5	1.04	0.00	1.05
MAX	131	2,170	930	3,020	493	551	357	183	123	2.9	0.05	16
MIN	0.00	31	34	49	57	21	32	10	3.3	0.11	0.00	0.00
AC-FT	560	20,370	10,970	35,570	7,240	6,520	5,980	2,110	1,160	64	0.1	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	72.0	210	256	292	259	233	198	184	116	26.7	5.76	33.9
MAX	491	1,215	566	594	958	700	500	553	520	124	36.2	378
(WY)	(1999)	(1997)	(2002)	(1998)	(2001)	(2002)	(2002)	(1993)	(2000)	(2004)	(1996)	(1992)
MIN	0.00	0.23	15.4	31.3	30.2	48.8	54.0	34.4	16.0	0.46	0.00	0.00
(WY)	(2000)	(2000)	(2004)	(2000)	(1996)	(2000)	(2003)	(2005)	(1994)	(1998)	(1998)	(1995)

07247250 BLACK FORK BELOW BIG CREEK NEAR PAGE, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	44,309.59		45,689.31		156	
ANNUAL MEAN	121		125		246	
HIGHEST ANNUAL MEAN					65.6	
LOWEST ANNUAL MEAN					9,640	
HIGHEST DAILY MEAN	2,900	Jun 22	3,020	Jan 13		Nov 24, 1996
LOWEST DAILY MEAN	0.00	Oct 4	0.00	at times	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.04	Sep 30	0.00	Aug 2	0.00	Sep 20, 1994
MAXIMUM PEAK FLOW			8,110	Jan 13	23,300	Apr 8, 2002
MAXIMUM PEAK STAGE			14.25	Jan 13	20.94	Apr 8, 2002
ANNUAL RUNOFF (AC-FT)	87,890		90,620		113,000	
10 PERCENT EXCEEDS	279		280		302	
50 PERCENT EXCEEDS	46		35		41	
90 PERCENT EXCEEDS	2.4		0.00		0.11	



07247250 BLACK FORK BELOW BIG CREEK NEAR PAGE, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1991 to current year.

REMARKS.--Samples were collected periodically and specific conductance, pH, water temperature, and dissolved oxygen were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 13...	1830	1028	80020	6.3	3.0	--	5.9	--	6.8	43	17.8	18.2	.36
DEC 14...	1400	1028	80020	95	6.2	748	10.8	90	6.9	27	3.8	6.8	.21
FEB 24...	1615	1028	80020	68	5.6	745	10.6	99	6.3	31	11.3	11.3	E.08
APR 26...	1740	1028	80020	96	7.6	740	9.6	102	6.9	30	20.7	16.7	.15
JUN 21...	1720	1028	80020	6.6	3.8	754	8.4	108	7.1	38	29.8	27.6	.32

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

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)
OCT 13...	.02	.016	--	--	E.013	--	E.001	.34	--	--	<.006	.009	.022
DEC 14...	--	E.008	--	--	.252	--	E.001	--	.46	.021	.007	.019	.024
FEB 24...	--	E.006	.611	.14	.140	.007	.002	--	--	--	<.006	.006	.010
APR 26...	--	E.007	--	--	.097	--	E.001	--	.25	--	<.006	.004	.012
JUN 21...	--	E.005	--	--	E.013	--	E.001	--	--	--	<.006	.012	.027

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

Date	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 13...	90	8	.14
DEC 14...	91	3	.77
FEB 24...	82	5	.92
APR 26...	--	8	2.1
JUN 21...	89	10	.18

07247345 BLACK FORK AT HODGEN, OK

LOCATION.--Lat 34°50'35", long 94°37'28", in SE ¼ SE ¼, sec. 01, T.4 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge 0.4 mi east of Hodgen, OK.

DRAINAGE AREA.--179 mi².

PERIOD OF RECORD.--December 1991 to current year.

REMARKS.--Samples were collected bi-monthly. Specific conductance, pH, water temperature, and dissolved oxygen were determined in the field.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 13...	1710	1028	80020	7.3	4.4	--	7.5	--	6.8	43	21.0	19.5	.38
DEC 14...	1630	1028	80020	167	7.4	748	11.7	100	7.1	33	3.8	7.9	.16
FEB 25...	1135	1028	80020	134	5.5	751	11.1	103	6.6	39	8.1	11.3	.17
APR 27...	0935	1028	80020	109	8.0	747	9.0	98	6.6	41	7.6	18.2	.34
JUN 22...	1120	1028	80020	13	3.3	751	7.5	96	6.9	45	25.5	27.4	.34
AUG 17...	1425	1028	80020	.80	3.7	748	5.1	69	6.8	54	29.6	30.2	.46

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

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspnd. sediment, sieve diameter percent <.063mm (70331)
OCT 13...	.09	.073	--	--	.027	--	E.001	.31	.41	E.003	.014	.035	45
DEC 14...	--	<.010	--	--	.231	--	E.001	--	.39	<.006	.006	.015	69
FEB 25...	--	E.007	.571	.13	.132	.010	.003	--	.30	<.006	.009	.014	100
APR 27...	.05	.035	.744	.17	.170	.007	.002	.30	.51	<.006	.011	.025	--
JUN 22...	.02	.015	--	--	E.013	--	E.001	.32	--	<.006	.015	.033	89
AUG 17...	.07	.058	.204	.05	.048	.007	.002	.40	.50	E.005	.021	.048	74

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

Date	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT 13...	23	.45
DEC 14...	8	3.6
FEB 25...	4	1.4
APR 27...	7	2.1
JUN 22...	11	.40
AUG 17...	8	.02

07247500 FOURCHE MALINE NEAR RED OAK, OK

LOCATION.--Lat 34°54'45", long 95°09'20", in NW ¼ NW ¼ sec.13, T.5 N., R.20 E., Latimer County, Hydrologic Unit 11110105, on downstream side of left abutment of county road bridge, 0.1 mi downstream from Little Fourche Maline, 5.0 mi southwest of Red Oak, and at mile 41.2.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--October 1938 to April 1991, October 1991 to current year. Monthly discharges only October 1938 to February 1939.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1631: 1940.

GAGE.--Water-stage recorder. Datum of gage is 540.80 ft above NGVD of 1929. Prior to April 25, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records fair. Some regulation by several flood-retarding structures. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 25.4 ft, from floodmarks.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 5	2000	*1,830	*12.79				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	1,080	825	11	45	57	413	10	3.2	0.92	0.54	0.28
2	4.0	1,210	646	13	78	47	434	9.2	7.6	0.81	0.49	0.08
3	1.3	750	370	622	109	41	248	7.6	11	0.82	0.48	0.00
4	0.89	589	200	1,170	92	37	163	6.7	10	0.89	0.48	0.00
5	0.64	301	156	1,510	72	38	142	6.5	9.0	0.75	0.39	0.00
6	0.47	148	205	1,420	73	30	659	6.0	8.3	0.59	0.30	0.00
7	0.99	88	521	946	144	20	501	5.3	7.0	0.65	0.28	0.00
8	4.5	60	345	802	127	17	324	4.8	6.3	0.63	0.44	0.00
9	5.9	47	209	618	118	14	227	4.7	5.1	0.57	1.9	0.00
10	5.5	78	152	429	107	13	181	4.7	72	0.59	2.2	0.00
11	31	211	115	218	102	11	356	4.4	8.3	0.65	2.5	0.00
12	39	104	95	243	88	9.6	426	3.9	4.3	1.1	1.6	0.00
13	21	44	89	1,130	90	8.9	242	3.3	2.8	1.2	0.95	0.00
14	10	27	71	670	88	7.9	180	51	2.0	0.91	1.9	0.00
15	7.2	18	46	484	75	16	150	60	1.8	99	9.0	0.00
16	8.0	15	40	248	64	12	124	31	1.6	178	19	0.00
17	3.8	15	37	134	53	7.9	105	16	46	22	51	0.00
18	1.9	329	32	108	39	6.6	89	10	19	8.3	45	0.60
19	1.2	284	28	99	55	6.4	75	7.0	6.9	3.9	20	1.3
20	0.98	146	24	89	59	6.2	63	5.5	5.2	2.2	6.2	1.3
21	0.94	194	23	80	78	287	53	4.8	4.0	1.3	3.1	1.1
22	0.89	239	21	70	60	611	44	3.7	2.7	1.0	1.8	1.1
23	0.83	241	19	58	81	351	37	3.2	2.3	0.66	1.5	0.84
24	0.89	972	17	54	107	199	29	2.8	1.9	0.60	1.1	0.64
25	0.72	650	15	51	89	130	23	2.9	1.6	0.65	0.93	1.1
26	0.53	347	13	49	70	116	24	2.6	1.2	0.59	0.82	1.1
27	0.87	191	13	42	61	361	25	2.3	1.1	0.80	0.73	0.92
28	1.8	128	12	30	64	341	20	2.2	1.0	0.77	0.62	0.83
29	1.7	715	12	45	---	215	16	2.3	0.92	0.65	0.75	0.49
30	3.8	1,180	12	46	---	149	12	2.1	0.84	0.63	0.69	0.32
31	71	---	12	45	---	110	---	2.1	---	0.59	0.45	---
TOTAL	246.24	10,401	4,375	11,534	2,288	3,276.5	5,385	288.6	254.96	332.72	177.14	12.00
MEAN	7.94	347	141	372	81.7	106	180	9.31	8.50	10.7	5.71	0.40
MAX	71	1,210	825	1,510	144	611	659	60	72	178	51	1.3
MIN	0.47	15	12	11	39	6.2	12	2.1	0.84	0.57	0.28	0.00
AC-FT	488	20,630	8,680	22,880	4,540	6,500	10,680	572	506	660	351	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

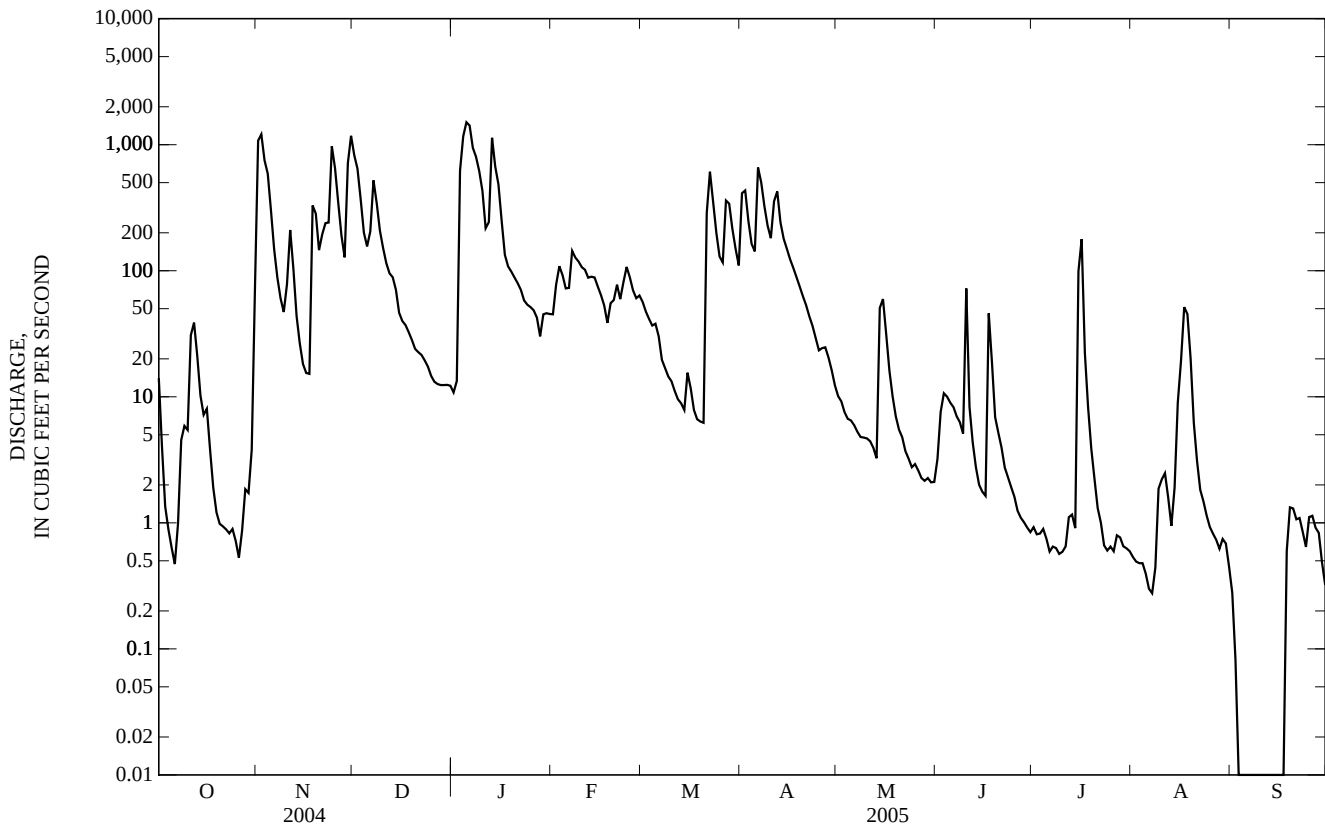
MEAN	71.2	130	140	115	186	225	261	261	118	52.9	16.0	44.1
MAX	675	811	726	762	780	1,100	1,224	1,377	695	847	189	547
(WY)	(1971)	(1986)	(1972)	(1998)	(2001)	(1945)	(1957)	(1960)	(1945)	(1950)	(1964)	(1950)
MIN	0.00	0.00	0.00	0.00	1.75	2.42	13.8	8.85	0.91	0.04	0.00	0.00
(WY)	(1939)	(1957)	(1964)	(1964)	(1967)	(1967)	(2003)	(1988)	(1963)	(1955)	(1943)	(1939)

07247500 FOURCHE MALINE NEAR RED OAK, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	36,249.65		38,571.16		135	
ANNUAL MEAN	99.0		106		317	
HIGHEST ANNUAL MEAN					18.3	
LOWEST ANNUAL MEAN					18,900	
HIGHEST DAILY MEAN	1,210	Nov 2	1,510	Jan 5	18,900	May 19, 1960
LOWEST DAILY MEAN	0.47	Oct 6	0.00	at times	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.81	Oct 21	0.00	Sep 3	0.00	Oct 1, 1938
MAXIMUM PEAK FLOW			1,830	Jan 5	a41,500	May 19, 1960
MAXIMUM PEAK STAGE			12.79	Jan 5	b24.79	May 19, 1960
ANNUAL RUNOFF (AC-FT)	71,900		76,510		97,740	
10 PERCENT EXCEEDS	288		326		317	
50 PERCENT EXCEEDS	18		13		18	
90 PERCENT EXCEEDS	2.4		0.60		0.30	

a From rating curve extended above 25,000 ft³/s.

b From floodmark.



07247650 FOURCHE MALINE NEAR LEFLORE, OK

LOCATION.--Lat 34°55'11", long 94°56'43", in NE ¼ SE ¼, sec. 11, T.5 N., R.22 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge 1.6 mi east of Leflore, OK.

DRAINAGE AREA.--270 mi².

PERIOD OF RECORD.--December 1991 to current year.

REMARKS.--Samples were collected bimonthly, and specific conductance, pH, water temperature, and dissolved oxygen were determined in the field.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 13...	1510	1028	80020	42	26	--	6.4	--	7.0	120	23.7	18.8	.52
DEC 15...	1210	1028	80020	138	26	750	11.6	92	7.3	86	4.5	4.8	.36
FEB 25...	1505	1028	80020	225	33	751	10.5	97	7.2	121	15.3	11.1	.46
APR 26...	1410	1028	80020	41	22	740	9.2	103	7.2	117	21.3	19.3	.37
JUN 21...	1335	1028	80020	12	63	754	5.0	64	7.1	159	29.1	27.3	.65
AUG 18...	1020	1028	80020	21	25	747	4.1	54	7.1	133	28.1	28.0	.60

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

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)
OCT 13...	.02	.017	.248	.06	.058	.007	.002	.50	.58	--	E.003	.012	.063
DEC 15...	--	E.008	.509	.12	.117	.007	.002	--	.47	--	<.006	.011	.045
FEB 25...	.03	.020	.252	.06	.065	.026	.008	.43	.52	.037	.012	.024	.052
APR 26...	.02	.012	.270	.06	.063	.007	.002	.36	.43	--	<.006	.006	.051
JUN 21...	.06	.047	.766	.17	.179	.020	.006	.60	.83	--	<.006	.015	.122
AUG 18...	.03	.023	--	--	E.011	--	E.001	.58	--	--	<.006	.016	.084

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

Date	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT 13...	97	31	3.5
DEC 15...	98	14	5.2
FEB 25...	94	25	15
APR 26...	--	22	2.4
JUN 21...	99	67	2.2
AUG 18...	94	29	1.6

07247800 HOLSON CREEK AT SUMMERFIELD, OK

LOCATION.--Lat 34°52'46", long 94°51'11", in SW ¼ NW ¼, sec. 26, T.5 N., R.23 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge, 1.4 mi east of Summerfield, OK.

DRAINAGE AREA.--71.6 mi².

PERIOD OF RECORD.--December 1991 to current year.

REMARKS.--Samples were collected bimonthly. Specific conductance, pH, water temperature, and dissolved oxygen were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 13...	1230	1028	80020	4.3	2.8	--	6.8	--	6.4	52	19.5	18.7	.26
DEC 15...	1023	1028	80020	35	8.1	750	11.6	94	7.1	35	3.2	5.6	E.10
FEB 24...	1402	1028	80020	27	8.2	748	10.8	103	6.5	42	7.6	12.2	E.06
APR 26...	1600	1028	80020	21	7.8	740	9.2	102	6.7	45	21.5	18.9	.11
JUN 21...	1545	1028	80020	1.2	3.1	754	8.2	115	7.3	56	30.1	32.1	.23
AUG 17...	1740	1028	80020	15	45	748	6.3	86	7.0	59	30.1	30.6	.49

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

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 13...	E.006	.017	--	E.001	.28	<.006	.005	.015	94	9	.10
DEC 15...	<.010	.018	--	E.001	--	<.006	E.003	.010	93	4	.38
FEB 24...	E.006	E.012	.010	.003	--	E.004	.008	.011	95	5	.36
APR 26...	E.005	E.008	--	E.001	--	<.006	E.002	.010	--	6	.34
JUN 21...	E.007	<.016	--	<.002	--	<.006	.007	.016	94	13	.04
AUG 17...	E.009	.019	--	E.001	.51	<.006	.008	.045	95	26	1.0

07249413 POTEAU RIVER NEAR PANAMA, OK

LOCATION.--Lat 35°09'56", long 94°39'10", in SE ¼, SE ¼ sec.15, T.8 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, on left pier of county bridge, 1.5 mi east of Panama, OK, .8 mi downstream from James Fork Creek, and at mile 26.4.

DRAINAGE AREA.--1,767 mi².

PERIOD OF RECORD.--October 1989 to December 1990, May 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 387.96 ft above NGVD of 1929. Prior to December 1990, at site .4 mi upstream at datum 5.00 ft higher.

REMARKS.--Records fair. Flow partially regulated by Wister Reservoir 34.5 mi upstream. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1935 reached a stage of 44.6 ft (HWM) at datum then in use, from information by U.S. Army Corps of Engineers.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	1,730	12,700	401	1,220	1,200	3,280	634	91	58	11	46
2	148	2,520	7,320	393	1,670	974	3,070	616	475	33	11	60
3	147	948	5,650	5,040	2,260	1,250	2,480	305	657	28	11	97
4	147	1,840	6,740	12,800	2,000	1,390	2,270	142	298	25	10	136
5	148	2,980	7,270	12,600	1,790	1,360	3,010	120	131	25	9.6	133
6	145	2,850	7,860	12,700	1,750	1,330	5,160	108	98	24	13	131
7	153	2,700	9,810	8,810	2,280	1,270	6,930	99	389	19	24	130
8	151	2,610	9,390	5,690	2,190	683	5,070	101	256	19	22	129
9	67	2,550	6,650	7,150	2,090	571	3,990	141	87	17	20	128
10	43	2,470	6,320	8,070	2,040	535	3,560	458	61	16	17	126
11	56	1,560	7,060	8,120	1,820	333	3,940	645	51	15	15	124
12	39	1,210	7,530	8,010	1,720	205	4,180	252	45	14	14	125
13	30	731	7,490	9,830	1,800	179	2,690	91	38	12	13	127
14	27	521	7,440	10,500	1,860	169	2,200	149	201	10	13	139
15	27	425	7,330	6,870	1,680	151	1,470	164	195	12	13	183
16	30	1,480	5,720	6,780	1,580	140	919	113	248	14	17	188
17	25	1,640	3,040	7,250	1,500	134	784	87	422	18	31	107
18	22	624	2,470	7,200	1,440	129	727	71	673	16	29	67
19	18	3,150	2,420	7,430	808	122	681	61	677	14	23	51
20	15	2,430	2,370	7,570	372	118	642	53	666	12	22	44
21	14	2,010	2,270	6,390	358	192	473	46	661	11	40	39
22	14	1,880	793	5,130	346	1,260	407	40	668	11	39	37
23	16	2,740	308	4,830	508	1,890	357	38	312	12	34	39
24	18	8,140	276	4,720	911	1,300	288	454	219	12	32	40
25	18	10,100	256	4,980	779	1,160	243	4,470	252	12	31	55
26	16	5,510	248	5,010	1,310	1,570	364	1,780	177	11	32	59
27	104	4,570	258	3,710	1,460	3,890	298	1,420	170	9.9	37	49
28	140	3,700	1,270	2,400	1,440	4,190	331	479	171	9.6	49	45
29	139	6,100	1,430	1,310	---	3,520	632	173	195	9.6	36	59
30	179	13,100	588	1,220	---	3,610	659	126	198	10	71	79
31	215	---	418	1,190	---	3,340	---	104	---	11	39	---
TOTAL	2,464	94,819	140,695	194,104	40,982	38,165	61,105	13,540	8,782	520.1	778.6	2,772
MEAN	79.5	3,161	4,539	6,261	1,464	1,231	2,037	437	293	16.8	25.1	92.4
MAX	215	13,100	12,700	12,800	2,280	4,190	6,930	4,470	677	58	71	188
MIN	14	425	248	393	346	118	243	38	38	9.6	9.6	37
AC-FT	4,890	188,100	279,100	385,000	81,290	75,700	121,200	26,860	17,420	1,030	1,540	5,500

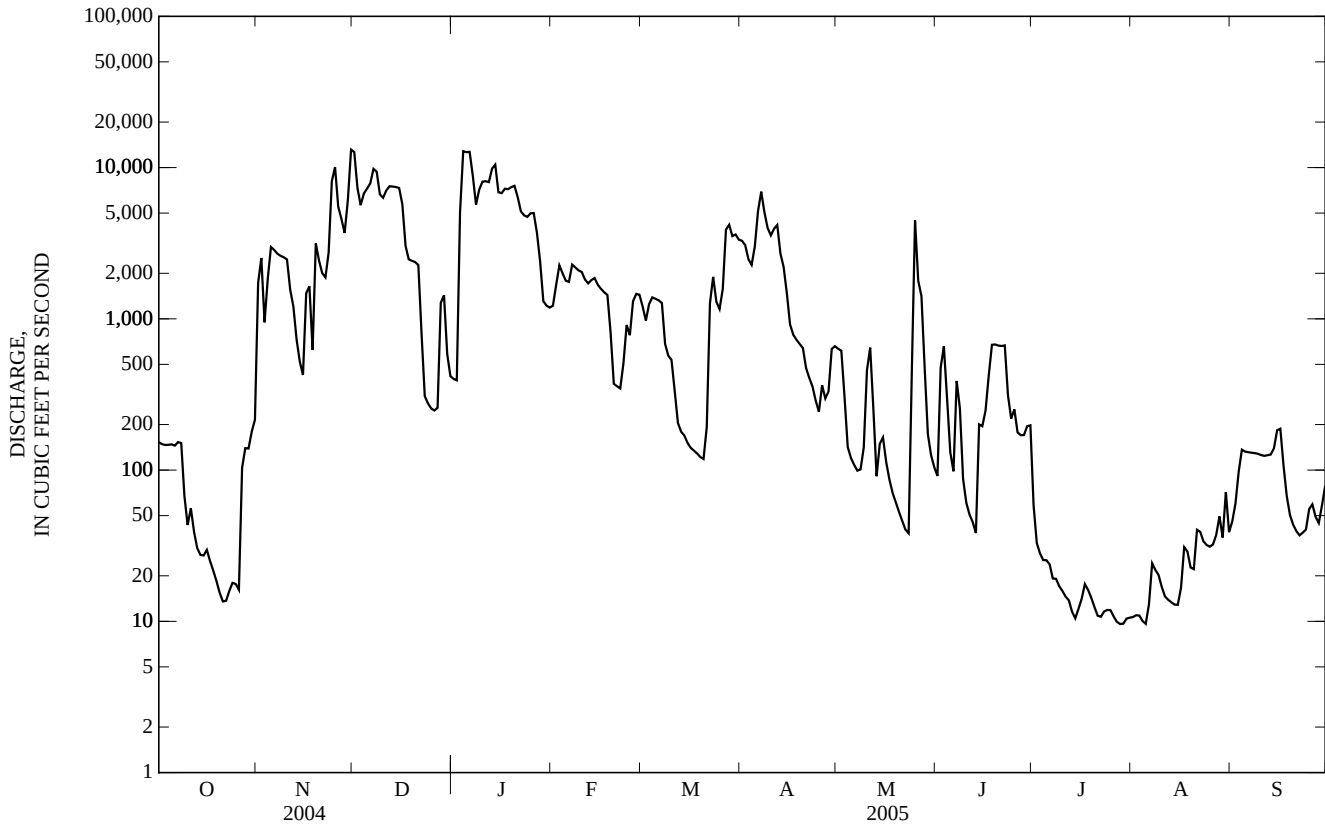
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	583	1,921	3,142	3,477	3,583	3,805	3,498	3,845	2,339	812	177	425
MAX	3,519	9,861	8,135	10,930	7,467	8,242	8,912	16,670	5,531	4,587	818	2,678
(WY)	(1999)	(1997)	(1997)	(1998)	(1990)	(1997)	(2002)	(1990)	(1990)	(2004)	(1992)	(1992)
MIN	15.0	11.5	10.4	350	262	860	262	403	180	16.8	23.1	23.3
(WY)	(1990)	(1990)	(1990)	(2000)	(1996)	(2000)	(2003)	(1997)	(1994)	(2005)	(2003)	(2004)

07249413 POTEAU RIVER NEAR PANAMA, OK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	730,506.5		598,726.7		2,293	
ANNUAL MEAN	1,996		1,640		3,907	
HIGHEST ANNUAL MEAN					589	
LOWEST ANNUAL MEAN					67,000	
HIGHEST DAILY MEAN	17,000	Jul 4	13,100	Nov 30	2.7	May 3, 1990
LOWEST DAILY MEAN	4.1	Sep 25	9.6	Jul 28,29, Aug 5	3.0	Oct 20, 2003
ANNUAL SEVEN-DAY MINIMUM	4.6	Sep 22	10	Jul 26	74,600	May 3, 1990
MAXIMUM PEAK FLOW			14,100	Nov 30	a46.59	May 3, 1990
MAXIMUM PEAK STAGE			32.53	Jan 4		
ANNUAL RUNOFF (AC-FT)	1,449,000		1,188,000		1,662,000	
10 PERCENT EXCEEDS	6,680		5,870		7,110	
50 PERCENT EXCEEDS	582		308		535	
90 PERCENT EXCEEDS	25		16		27	

a At present datum.



07249455 ARKANSAS RIVER NEAR FORT SMITH, AR

LOCATION.--Lat 35°23'30", long 94°25'56", in NW $\frac{1}{4}$, SW $\frac{1}{4}$ sec.08, T.8 N., R.32 E., Sebastian County, Hydrologic Unit 11110104, at U.S. Highway 64 bridge at Oklahoma and Arkansas state line, .7 mi downstream from Poteau River, 6.6 mi upstream from Lee Creek, 8.0 mi upstream from Arkansas River at Van Buren, and at mile 324.5.

DRAINAGE AREA.--149,977 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1997 to current year. Some data collected prior to period of record and are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 380.24 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. Records fair. Discharges less than 1000 cfs are rated poor. Flow regulated by W. D. Mayo Lock and Dam 14 upstream and J.W. Trimble Lock and Dam 13 downstream.

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

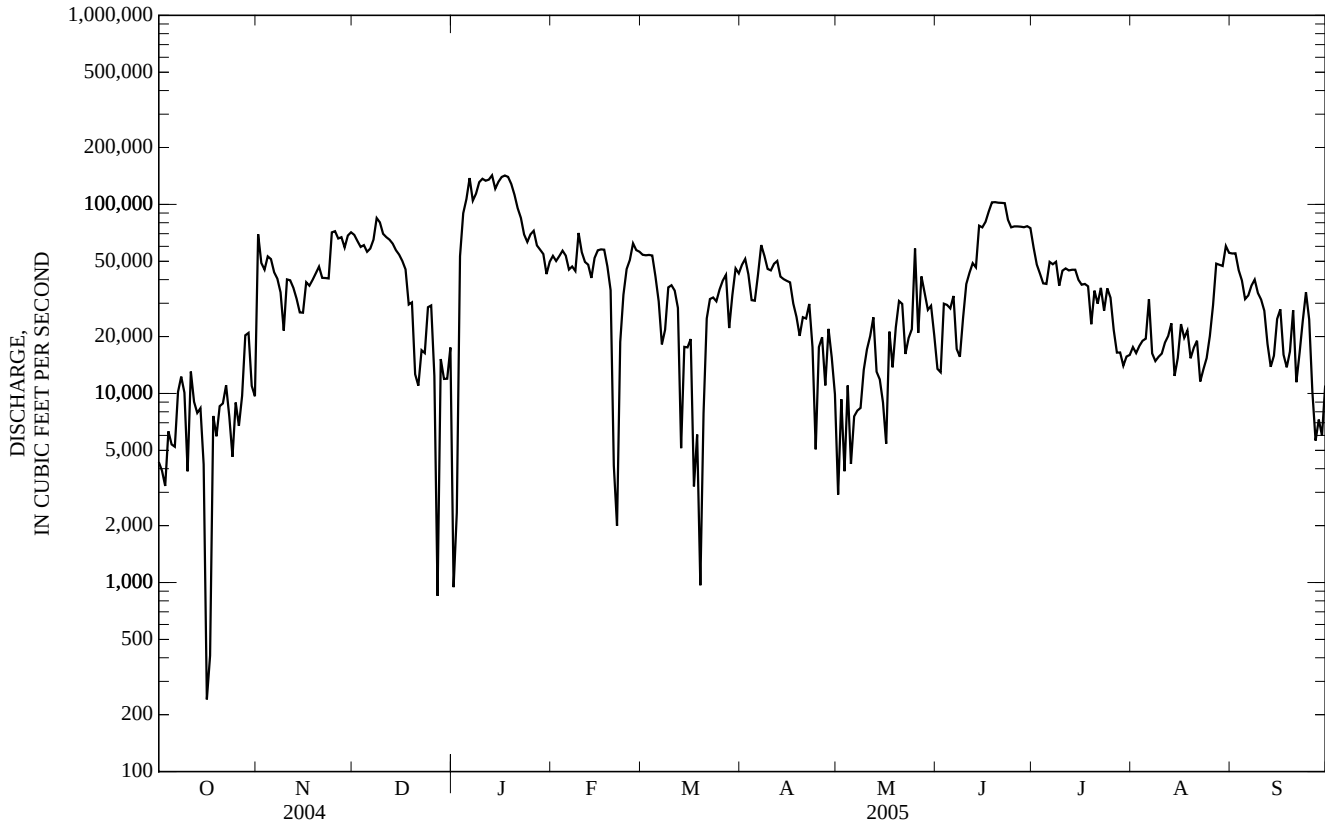
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,340	69,500	69,000	945	53,400	54,200	48,000	2,920	13,500	59,100	17,600	55,000
2	3,900	49,000	64,000	2,340	50,200	53,800	51,500	9,320	12,900	48,000	16,400	55,100
3	3,240	45,200	59,500	53,200	53,300	54,000	42,600	3,880	29,800	43,000	17,800	44,900
4	6,300	53,100	60,900	89,800	56,900	53,700	31,200	11,000	29,400	38,200	19,000	39,600
5	5,380	51,400	56,200	107,000	53,600	41,500	30,900	4,240	28,200	38,000	19,500	31,600
6	5,230	43,800	58,400	138,000	45,200	30,700	42,600	7,570	32,800	49,600	31,500	33,000
7	10,200	40,500	65,100	105,000	46,900	18,200	60,900	8,110	17,200	48,200	16,300	37,200
8	12,300	34,300	84,700	114,000	44,400	21,700	53,400	8,380	15,600	49,700	14,800	40,000
9	10,100	21,500	80,300	131,000	70,600	36,400	45,600	13,300	25,200	37,100	15,600	34,000
10	3,880	40,100	69,900	137,000	55,900	37,400	44,800	17,100	37,900	44,600	16,300	31,400
11	13,100	39,700	67,100	133,000	49,600	35,000	48,500	20,100	43,500	45,800	18,600	27,400
12	9,040	36,200	65,100	135,000	48,000	28,300	50,200	25,300	48,900	44,700	20,100	18,300
13	7,890	31,700	62,000	143,000	40,800	5,130	41,500	13,000	46,500	45,100	23,500	13,800
14	8,360	26,800	57,300	121,000	52,100	17,600	40,200	11,900	77,200	45,100	12,400	15,800
15	4,220	26,700	54,200	132,000	57,200	17,500	39,400	8,960	75,600	39,900	15,400	24,800
16	241	38,700	50,200	140,000	57,800	19,400	38,700	5,420	80,900	37,600	23,300	27,900
17	410	37,200	45,300	142,000	57,600	3,220	29,900	21,200	91,700	38,000	19,700	16,000
18	7,610	39,900	29,500	140,000	46,900	6,060	25,400	13,700	102,000	36,900	21,500	13,700
19	5,940	43,200	30,300	128,000	35,200	967	20,200	22,400	103,000	23,200	15,300	16,700
20	8,570	46,900	12,600	112,000	4,150	7,860	25,300	30,800	102,000	35,000	17,500	27,600
21	8,860	40,900	11,000	95,500	2,000	24,900	24,900	29,800	102,000	29,800	19,000	11,500
22	11,100	40,800	16,900	84,800	18,700	31,600	29,700	16,200	102,000	36,200	11,600	16,400
23	7,540	40,600	16,300	69,400	33,300	32,200	17,600	19,700	82,900	27,400	13,400	24,200
24	4,630	71,100	28,600	63,300	45,500	30,700	5,060	21,900	75,600	35,900	15,400	34,300
25	8,950	72,200	29,200	69,500	50,800	35,500	17,600	58,400	76,500	32,100	20,100	24,600
26	6,740	66,000	12,400	72,500	62,200	39,500	19,800	20,900	76,500	21,700	29,300	10,200
27	9,710	67,100	851	60,700	57,300	42,400	11,000	41,600	76,200	16,400	48,600	5,640
28	20,300	59,200	15,200	57,600	56,200	22,200	22,000	34,100	75,700	16,500	47,900	7,280
29	20,900	68,400	11,900	54,600	---	33,200	15,500	27,700	76,700	14,000	47,200	5,980
30	11,000	71,200	12,000	42,800	---	45,800	9,900	29,100	74,900	15,700	60,200	11,000
31	9,670	---	17,500	49,800	---	43,200	---	20,300	---	16,000	55,400	---
TOTAL	249,651	1,412,900	1,313,451	2,924,785	1,305,750	923,837	983,860	578,300	1,832,800	1,108,500	740,200	754,900
MEAN	8,053	47,100	42,370	94,350	46,630	29,800	32,800	18,650	61,090	35,760	23,880	25,160
MAX	20,900	72,200	84,700	143,000	70,600	54,200	60,900	58,400	103,000	59,100	60,200	55,100
MIN	241	21,500	851	945	2,000	967	5,060	2,920	12,900	14,000	11,600	5,640
AC-FT	495,200	2,802,000	2,605,000	5,801,000	2,590,000	1,832,000	1,951,000	1,147,000	3,635,000	2,199,000	1,468,000	1,497,000

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

	MEAN	20,910	27,400	27,400	41,280	38,070	63,230	50,960	57,270	54,060	41,720	17,380	12,290
MAX	78,990	104,200	53,480	128,800	78,150	98,560	95,150	149,800	124,800	102,200	32,240	25,160	
(WY)	(1999)	(1999)	(1999)	(1998)	(2001)	(2001)	(1998)	(1999)	(1999)	(1999)	(1997)	(2005)	
MIN	4,832	3,936	6,148	10,030	11,260	29,800	23,940	18,650	15,460	11,920	7,111	5,918	
(WY)	(2001)	(2000)	(2003)	(2002)	(2003)	(2005)	(2001)	(2005)	(1998)	(2003)	(2001)	(2001)	

07249455 ARKANSAS RIVER NEAR FORT SMITH, AR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	14,704,755		14,128,934		37,820	
ANNUAL MEAN	40,180		38,710		73,680	
HIGHEST ANNUAL MEAN					19,870	
LOWEST ANNUAL MEAN					198,000	
HIGHEST DAILY MEAN	175,000	Jul 3	143,000	Jan 13	198,000	Jan 5, 1998
LOWEST DAILY MEAN	241	Oct 16	241	Oct 16	45	Sep 10, 1998
ANNUAL SEVEN-DAY MINIMUM	4,220	Sep 6	4,950	Oct 13	1,430	Sep 7, 1998
MAXIMUM PEAK FLOW			148,000	Jan 13	206,000	Jan 5, 1998
MAXIMUM PEAK STAGE			20.37	Jan 13	25.82	Jan 5, 1998
ANNUAL RUNOFF (AC-FT)	29,170,000		28,020,000		27,400,000	
10 PERCENT EXCEEDS	87,600		75,600		95,600	
50 PERCENT EXCEEDS	37,000		33,200		23,200	
90 PERCENT EXCEEDS	5,880		8,260		5,530	



07249455 ARKANSAS RIVER AT FORT SMITH, AR—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Samples collected bimonthly. Specific conductance, pH, water temperature, alkalinity, and dissolved oxygen were determined in the field.

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

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
OCT 14...	1050	1028	80020	1,550	18	--	7.4	--	8.0	560	14.5	18.8	.49
DEC 14...	1030	1028	80020	59,600	38	748	9.9	86	7.9	346	.2	8.5	.56
FEB 28...	1200	1028	80020	56,200	26	748	11.3	105	8.0	649	8.0	11.1	.52
APR 27...	1540	1028	80020	18,200	20	747	10.9	120	8.4	459	18.0	18.8	.61
JUN 23...	1205	1028	80020	81,000	45	751	7.9	102	7.8	789	29.0	27.7	.59
AUG 25...	1335	1028	80020	522	11	750	9.3	128	8.1	778	--	31.3	.49

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

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)
OCT 14...	.01	.010	.788	.18	.201	.076	.023	.48	.69	.273	.089	.113	.152
DEC 14...	.04	.030	1.53	.34	.348	.010	.003	.53	.91	.153	.050	.072	.123
FEB 28...	.02	.014	3.32	.75	.760	.036	.011	.51	1.3	.187	.061	.073	.127
APR 27...	.01	.010	1.31	.30	.302	.016	.005	.60	.91	--	E.005	.015	.079
JUN 23...	.03	.020	2.42	.55	.549	.007	.002	.57	1.1	.178	.058	.089	.159
AUG 25...	.02	.012	.412	.09	.099	.020	.006	.47	.58	.233	.076	.110	.142

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

Date	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT 14...	97	70	293
DEC 14...	98	31	4,990
FEB 28...	99	24	3,640
APR 27...	--	29	1,430
JUN 23...	91	124	27,100
AUG 25...	89	12	17

MISCELLANEOUS STATION ANALYSES

Limited sampling and analysis done in the Pitcher, OK area during low-flow conditions. All samples were collected by the U.S. Geological Survey.

Date	Time	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Noncarb hard- ness, wat flt field, mg/L as CaCO3 (00904)
07185025 Elm Creek at Commerce, OK (LAT 36 56 37N LONG 094 54 18W)													
JUL 2005 15...	0900	80020	.01	--	--	6.2	--	7.2	471	27.2	25.0	230	--
071850818 Tar Creek Trib. at Western Chat-Pile at Cardin, OK (LAT 36 58 39N LONG 094 51 08W)													
AUG 2005 16...	1200	80020	<.01	--	--	8.4	--	7.1	2,070	29.7	30.5	1,500	1,400
071850825 Tar Creek near Cardin, OK (LAT 36 57 46N LONG 094 50 47W)													
AUG 2005 16...	1350	80020	.07	--	744	7.5	93	7.2	947	--	25.3	490	350
18...	1115	80020	.09	2.2	738	5.3	67	7.1	935	--	25.0	560	420
20...	1130	80020	.04	2.5	744	5.3	66	7.1	944	31.7	25.6	520	380
22...	1325	80020	.03	1.8	--	6.3	--	7.0	956	--	25.0	550	400
24...	1310	80020	.03	2.1	740	7.8	98	7.1	957	--	25.3	510	350
26...	1145	80020	.02	2.5	740	11.3	144	7.1	958	33.1	25.9	540	380
29...	1229	80020	.01	1.9	--	9.8	--	7.0	956	--	25.2	560	390
071850830 Tar Creek below Lytle Creek near Cardin, OK (LAT 36 57 31N LONG 094 50 42W)													
AUG 2005 16...	1125	80020	1.6	3.1	--	8.5	--	6.9	1,880	--	26.6	1,100	1,000
18...	0950	80020	.52	1.7	--	7.9	--	7.0	1,880	--	25.7	1,200	1,100
20...	0905	80020	.28	5.4	740	7.7	98	6.8	2,000	30.9	25.7	1,400	1,300
22...	1115	80020	.28	2.9	--	10.1	--	7.1	2,000	27.1	26.4	1,400	1,300
24...	1050	80020	.28	1.6	740	10.8	141	7.0	2,060	--	27.2	1,400	1,300
26...	0955	80020	.19	2.0	--	11.1	--	7.0	2,150	--	26.9	1,400	1,300
29...	1050	80020	.20	2.2	738	13.0	168	7.1	2,200	--	26.4	1,500	1,400
071850840 Lytle Creek at State Line Road near Picher, OK (LAT 36 59 56N LONG 094 48 04W)													
JUL 2005 15...	1240	80020	<.01	--	--	6.8	--	7.2	395	33.1	29.8	200	70
071850870 Lytle Creek near Cardin, OK (LAT 36 57 44N LONG 094 50 46W)													
JUL 2005 15...	1150	80020	<.01	--	--	11.0	--	7.6	1,780	--	34.0	1,100	980
AUG 16...	1415	80020	1.6	--	--	7.8	--	6.7	1,820	--	29.6	1,000	960
18...	1200	80020	.13	4.0	--	8.3	--	6.9	1,790	--	31.1	1,000	970
20...	1030	80020	.04	1.5	746	7.8	105	7.1	1,830	31.0	29.1	1,200	1,100
22...	1235	80020	.01	4.6	--	9.0	--	7.1	1,830	28.0	27.5	1,200	1,100
24...	1215	80020	.01	1.7	741	9.8	141	7.2	1,820	--	32.5	1,100	1,000
26...	1115	80020	<.01	5.0	--	11.4	--	7.2	1,890	--	30.3	1,200	1,100
29...	1200	80020	<.01	1.0	--	11.4	--	6.9	2,000	--	28.6	1,300	--
07185088 Tar Creek near Picher, OK (LAT 36 57 29N LONG 094 50 44W)													
AUG 2005 16...	1050	80020	2.6	4.8	744	7.1	86	6.3	2,030	--	23.4	1,300	1,200
18...	0813	80020	1.3	7.6	738	6.8	80	6.2	2,200	29.5	21.8	1,400	1,300
20...	0835	80020	.87	7.6	743	7.7	87	6.0	2,270	29.8	19.6	1,600	1,500
22...	1045	80020	.94	7.4	742	10.1	114	6.0	2,310	27.1	19.4	1,500	1,400
24...	1030	80020	.86	7.8	741	13.5	150	6.0	2,340	--	18.8	1,500	1,400
26...	0930	80020	.79	5.9	741	18.8	210	6.0	2,380	--	18.9	1,600	1,400
29...	1025	80020	.69	6.4	739	16.5	182	5.9	2,390	--	18.2	1,600	1,500

WATER QUALITY DATA
MISCELLANEOUS STATION ANALYSES—Continued

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
07185025 Elm Creek at Commerce, OK (LAT 36 56 37N LONG 094 54 18W)													
JUL 2005 15...	82.1	6.31	4.58	.2	5.91	5	E98	E119	.0	3.07	144	--	--
071850818 Tar Creek Trib. at Western Chat-Pile at Cardin, OK (LAT 36 58 39N LONG 094 51 08W)													
AUG 2005 16...	554	16.2	1.24	.0	2.35	.0	69	83	.0	<1.00	1,260	--	--
071850825 Tar Creek near Cardin, OK (LAT 36 57 46N LONG 094 50 47W)													
AUG 2005 16...	169	17.4	2.34	.3	13.0	5	138	E166	E1	14.4	335	638	.87
18...	191	20.6	3.07	.3	16.7	6	140	170	.0	15.5	330	664	.90
20...	181	17.6	2.52	.3	14.2	6	142	173	.0	14.9	343	661	.90
22...	190	18.5	2.50	.3	13.7	5	151	183	.0	13.8	349	680	.93
24...	172	18.5	2.54	.3	13.2	5	152	185	.0	13.0	344	657	.89
26...	184	19.7	2.59	.2	13.3	5	160	194	.0	12.6	341	672	.91
29...	190	20.2	2.51	.3	13.7	5	165	200	.0	12.4	339	679	.92
071850830 Tar Creek below Lytle Creek near Cardin, OK (LAT 36 57 31N LONG 094 50 42W)													
AUG 2005 16...	361	44.0	7.28	.2	16.8	3	72	87	.0	12.3	1,070	1,620	2.20
18...	382	52.2	4.08	.2	15.8	3	105	128	.0	10.8	1,070	1,620	2.20
20...	447	61.1	2.59	.2	13.8	2	101	122	.0	7.70	1,180	1,800	2.44
22...	463	63.6	2.33	.1	12.9	2	100	121	.0	6.63	1,220	1,850	2.51
24...	438	65.5	2.16	.2	12.8	2	99	120	.0	6.75	1,210	1,820	2.47
26...	442	70.0	1.99	.1	11.8	2	102	123	.0	6.17	1,270	1,880	2.56
29...	467	73.4	1.77	.1	11.3	2	101	122	.0	5.54	1,330	1,970	2.68
071850840 Lytle Creek at State Line Road near Picher, OK (LAT 36 59 56N LONG 094 48 04W)													
JUL 2005 15...	66.2	8.73	4.30	.2	6.60	7	131	E159	.0	3.08	69.9	238	.32
071850870 Lytle Creek near Cardin, OK (LAT 36 57 44N LONG 094 50 46W)													
JUL 2005 15...	366	47.6	3.21	.4	29.6	5	132	160	.0	14.5	943	1,480	2.02
AUG 16...	345	38.8	8.46	.3	19.5	4	58	E71	.0	15.3	1,020	1,540	2.10
18...	357	37.7	7.01	.3	21.6	4	76	93	.0	16.6	986	1,490	2.03
20...	405	45.3	6.31	.3	25.3	4	100	121	.0	17.5	1,010	1,570	2.14
22...	408	45.2	5.98	.3	25.6	4	118	143	.0	17.6	994	1,570	2.14
24...	372	45.6	5.55	.3	26.1	5	113	136	.0	17.1	969	1,500	2.05
26...	397	50.0	5.54	.3	26.7	5	139	169	.0	18.1	1,000	1,580	2.15
29...	442	52.4	5.05	.3	29.1	5	E146	E178	.0	20.1	1,090	--	--
071850888 Tar Creek near Picher, OK (LAT 36 57 29N LONG 094 50 44W)													
AUG 2005 16...	439	44.6	5.68	.2	18.1	3	82	E100	E.0	11.3	1,180	1,810	2.46
18...	482	48.1	3.28	.2	18.9	3	103	E125	E.0	10.1	1,310	1,970	2.68
20...	558	48.6	2.51	.2	19.0	3	127	155	.0	8.77	1,410	2,170	2.95
22...	528	50.5	2.56	.2	19.2	3	114	139	.0	8.50	1,400	2,120	2.89
24...	525	50.5	2.45	.2	19.0	3	126	154	.0	8.56	1,420	2,140	2.91
26...	542	51.4	2.35	.2	18.2	2	131	160	.0	8.52	1,420	2,170	2.94
29...	557	49.7	2.39	.2	18.9	3	134	163	.0	8.70	1,450	2,220	3.02

MISCELLANEOUS STATION ANALYSES—Continued

Date	Residue water, filtrd, tons/d (70302)	Cadmium water, filtrd, ug/L (01025)	Cadmium water, unfiltrd, ug/L (01027)	Iron, water, filtrd, ug/L (01046)	Iron, water, unfiltrd recover- able, ug/L (01045)	Lead, water, filtrd, ug/L (01049)	Lead, water, unfiltrd recover- able, ug/L (01051)	Zinc, water, filtrd, ug/L (01090)	Zinc, water, unfiltrd recover- able, ug/L (01092)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
07185025 Elm Creek at Commerce, OK (LAT 36 56 37N LONG 094 54 18W)												
JUL 2005 15...	--	.06	.28	16	150	.27	1.10	63.2	87	100	4	.00
071850818 Tar Creek Trib. at Western Chat-Pile at Cardin, OK (LAT 36 58 39N LONG 094 51 08W)												
AUG 2005 16...	--	103	95.3	47	180	117	170	1,730	1,760	26	5	--
071850825 Tar Creek near Cardin, OK (LAT 36 57 46N LONG 094 50 47W)												
AUG 2005 16...	.11	7.09	7.68	51	590	.81	10.2	4,160	4,280	60	4	.00
18...	.16	4.27	5.04	11	510	.21	6.53	3,330	3,510	50	3	.00
20...	.07	3.32	4.28	86	640	.21	8.50	3,210	3,140	67	3	.00
22...	.05	3.00	3.78	116	680	.34	10.4	3,050	3,120	83	5	.00
24...	.04	2.91	4.27	86	820	.23	26.7	2,800	3,420	60	12	.00
26...	.03	2.24	3.10	145	730	.16	7.97	2,700	2,750	50	6	.00
29...	.03	1.83	2.72	102	660	.14	10.2	2,370	2,430	93	4	.00
071850830 Tar Creek below Lytle Creek near Cardin, OK (LAT 36 57 31N LONG 094 50 42W)												
AUG 2005 16...	7.07	35.0	32.9	49	630	1.88	14.5	61,700	59,800	60	32	.14
18...	2.28	48.8	43.8	40	350	.64	3.93	23,700	22,100	31	10	.01
20...	1.35	61.3	58.0	92	660	.89	11.1	22,000	19,800	29	22	.02
22...	1.41	59.7	58.0	75	640	.82	13.8	20,400	18,300	39	13	.01
24...	1.35	59.7	58.5	43	600	.62	10.2	17,800	19,300	44	16	.01
26...	.95	60.2	60.8	68	580	1.20	8.22	19,200	19,600	60	25	.01
29...	1.05	58.4	62.0	73	400	.64	3.66	19,800	19,700	47	27	.01
071850840 Lytle Creek at State Line Road near Picher, OK (LAT 36 59 56N LONG 094 48 04W)												
JUL 2005 15...	--	.06	1.72	22	2,630	.15	10.9	274	931	74	42	--
071850870 Lytle Creek near Cardin, OK (LAT 36 57 44N LONG 094 50 46W)												
JUL 2005 15...	--	.07	.07	33	350	E.04	.42	137	157	38	2	--
AUG 16...	6.58	7.90	8.55	300	1,100	.61	10.3	59,900	59,900	70	17	.07
18...	.54	2.09	2.07	762	1,560	E.04	.76	17,300	17,700	75	12	.00
20...	.16	1.26	1.13	<6	440	.14	.47	4,530	4,430	54	4	.00
22...	.04	1.09	1.13	E3	690	.10	1.78	3,080	3,100	75	9	.00
24...	.06	.70	.83	8	460	E.07	1.57	1,620	1,670	57	6	.00
26...	--	1.26	1.36	8	170	.25	.81	2,360	2,260	71	4	--
29...	--	2.30	3.61	E6	3,690	.23	17.4	3,580	4,380	59	94	--
07185088 Tar Creek near Picher, OK (LAT 36 57 29N LONG 094 50 44W)												
AUG 2005 16...	12.8	28.4	27.7	11,400	12,300	.57	10.7	43,400	46,600	88	47	.33
18...	6.91	27.7	25.4	24,600	26,200	.17	4.28	14,800	13,900	97	63	.22
20...	5.07	25.2	25.0	32,200	33,200	.15	7.00	11,500	10,900	96	76	.18
22...	5.37	25.5	24.8	31,200	30,200	.17	3.82	10,400	11,600	98	67	.17
24...	4.98	24.2	24.2	32,100	32,200	.14	3.85	10,100	10,900	96	77	.18
26...	4.59	23.9	24.2	33,600	33,200	.23	3.13	10,300	9,830	95	76	.16
29...	4.13	17.0	18.2	37,500	38,000	.16	3.23	9,070	8,950	99	72	.13

WATER QUALITY DATA
MISCELLANEOUS STATION ANALYSES—Continued

Date	Time	Agency ana- lyzing sample, code	Instan- taneous dis- charge, cfs	Turb- idity, IR LED light, det ang 90 deg, FNU	Dis- solved oxygen, mg/L	pH, water, unfltrd field, std units	Specif. conduc- tance, wat unf uS/cm 25 degC	Temper- ature, water, deg C	Hard- ness, water, mg/L as CaCO3	Noncarb hard- ness, wat flt field, mg/L as CaCO3	Calcium water, fltrd, mg/L	Magnes- ium, water, fltrd, mg/L	Potas- sium, water, fltrd, mg/L
		(00028)	(00061)	(63680)	(00300)	(00400)	(00095)	(00010)	(00900)	(00904)	(00915)	(00925)	(00935)
07188007 Beaver Creek abv Spring River near Quapaw, Ok (LAT 36 55 57N LONG 094 45 02W)													
JUL 2005 15...	1410	80020	1.3	1.0	9.3	7.9	608	25.3	320	150	120	5.75	1.32
Date	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L	Sodium, percent (00932)	Alka- linity, wat flt inc tit field, mg/L as CaCO3	Bicar- bonate, wat flt incrm. titr., field, mg/L	Carbon- ate, wat flt incrm. titr., field, mg/L	Chlor- ide, water, fltrd, mg/L	Sulfate water, fltrd, mg/L	Residue water, fltrd, sum of consti- tuents mg/L	Residue water, fltrd, tons/ acre-ft	Residue water, fltrd, tons/d	Cadmium water, fltrd, ug/L	Cadmium water, unfltrd ug/L
		(00930)	(00932)	(39086)	(00453)	(00452)	(00940)	(00945)	(70301)	(70303)	(70302)	(01025)	(01027)
07188007 Beaver Creek abv Spring River near Quapaw, Ok (LAT 36 55 57N LONG 094 45 02W)													
JUL 2005 15...	.2	6.91	4	173	210	.0	6.37	134	378	.51	1.36	.15	.21
Date	Iron, water, fltrd, ug/L	Iron, water, unfltrd recover- able, ug/L	Lead, water, fltrd, ug/L	Lead, water, unfltrd recover- able, ug/L	Zinc, water, fltrd, ug/L	Zinc, water, unfltrd recover- able, ug/L	Suspnd. sedi- ment, sieve diametr percent <.063mm	Sus- pended sedi- ment concen- tration mg/L	Sus- pended sedi- ment dis- charge, tons/d				
		(01046)	(01045)	(01049)	(01051)	(01090)	(01092)	(70331)	(80154)	(80155)			
07188007 Beaver Creek abv Spring River near Quapaw, Ok (LAT 36 55 57N LONG 094 45 02W)													
JUL 2005 15...	9	90	.18	.66	116	143	57	3	.01				

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
07176976	Wildhorse Creek near Prue, OK	Lat 36°20'01", long 96°14'52" NAD27, Osage County, Oklahoma , Hydrologic Unit 11070107	1999, 2004-2005	05-20-04	.35	
				06-30-04	.11	
				07-29-04	4.48	
				08-18-04	.05	
				10-25-04	.08	
				01-20-05	1.30	
				04-21-05	.28	
				06-28-05	.01	
071850818	Tar Creek Tributary at Western Chat Pile near Cardin, OK	Lat 36°58'39", long 94°51'08" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206	2005	08-16-05	.001e	
071850825	Tar Creek near Cardin, OK	Lat 36°57'46", long 94°50'47" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206	2004-2005	08-16-05	.065	
				08-18-05	.090	
				08-20-05	.038	
				08-22-05	.028	
				08-24-05	.025	
				08-26-05	.017	
071850830	Tar Creek below Lytle Creek near Cardin, OK	Lat 36°57'31", long 94°50'42" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206	2005	08-29-05	.015	
				08-16-05	1.62	
				08-18-05	.52	
				08-20-05	.28	
				08-22-05	.28	
				08-24-05	.28	
071850870	Lytle Creek near Cardin, OK	Lat 36°57'44", long 94°50'46" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206	2004-2005	08-26-05	.19	
				08-29-05	.20	
				08-16-05	1.58	
				08-18-05	.133	
				08-20-05	.037	
				08-22-05	.010	
07185088	Tar Creek near Picher, OK	Lat 36°57'29", long 94°50'44", in NE 1/4, NW 1/4, sec.32, T.29 N., R.23 E., Ottawa County, Hydrologic Unit 11070206, at county road bridge and confluence of Lytle Creek, .8 mi west of U.S. 69	2002-2005	08-24-05	.015	
				08-26-05	.004	
				08-29-05	.002e	
				08-16-05	2.62	
				08-18-05	1.30	
				08-20-05	.87	
07185190	Neosho River near Wyandotte, OK	Lat 36° 47. 52", long 94° 45. 15", NAD 27, in SW1/4 SW1/4 of sec. 20, T27N, R24E, Ottawa County, Oklahoma, Hydrologic Unit 11070207.	1986, 2004-2005	08-22-05	.94	
				08-24-05	.86	
				08-26-05	.78	
				05-29-05	.69	
				01-07-05	37700	
				05-16-05	9410	
07188180	Spring River near Wyandotte, OK	Lat 36°47.59", long 94°45'09", NAD27, in SW1/4 SW1/4 of sec. 20, T27N, R24E, Ottawa County, Oklahoma. USGS 7.5 minute topographic map Miami SE Quadrangle. Hydrologic Unit 11070207.	1982, 1986 2004-2005	05-25-05	18100	
				06-22-05	13600	
				08-17-05	1600	
				11-02-04	10100	
				01-07-05	41200	
				05-16-05	2870	
				05-25-05	1690	
				08-17-05	402	

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
07196090	Illinois River at Chewey, Ok.	Lat 36°06′15″, long 94°46′57″, in SE 1/4 SE 1/4, sec. 19, T.19 N., R.24 E., Adair County, Hydrologic Unit 11110103, at Hampton Bridge, 0.85 mi west of Chewey, Ok.		1996-2005	10-14-04	222
					11-02-04	4780
					12-17-04	695
					01-04-05	9860
					02-22-05	659
					04-12-05	3060
					04-25-05	534
					05-23-05	325
					07-12-05	163
					08-23-05	197
09-16-05	356					
07247345	Black Fork at Hodgen, OK.	Lat 34°50′35″, long 94°37′28″, in SE 1/4, SE 1/4, sec.1 T.4 N., R.25 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge .4 mi east of Hodgen.	179	1992-2005	10-13-04	7.26
					12-14-04	167
					02-25-05	134
					04-27-05	109
					06-22-05	13.4
					08-17-05	.80
07247650	Fourche Maline near Leflore, OK.	Lat 34°55′11″, long 94°56′43″, in NE 1/4, SE 1/4, sec.11 T.5 N., R.22 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge 1.6 mi east of LeFlore.	270	1992-2005	10-13-04	42.0
					12-15-04	138
					02-25-05	225
					04-26-05	41.1
					06-21-05	12.0
					08-18-05	20.8
07247800	Holson Creek at Summerfield, OK.	Lat 34°52′46″, long 94°51′11″, in SW 1/4, NW 1/4, sec.26 T.5 N., R.23 E., LeFlore County, Hydrologic Unit 11110105, at county road bridge 1.4 mi east of Summerfield.	71.6	1992-2005	10-13-04	4.29
					12-15-04	34.9
					02-24-05	26.7
					04-26-05	20.8
					06-24-05	1.19
					08-17-05	14.7

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Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
	Area	
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
	Volume	
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
	Flow	
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
	Mass	
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

