

07228500 CANADIAN RIVER AT BRIDGEPORT, OK

LOCATION.--Lat 35°32'37", long 98°19'03", SE ¼ NW ¼ 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 sea level (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.--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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	24	65	122	176	218	e230	159	62	1,190	45	78
2	20	23	69	131	191	245	e220	163	46	1,190	35	86
3	18	22	70	140	182	275	e214	157	40	985	26	80
4	22	27	81	141	188	4,280	e207	141	36	591	24	57
5	31	29	79	141	228	9,040	199	143	36	366	22	55
6	29	30	78	e138	233	1,780	e201	136	33	339	20	75
7	24	31	e80	e135	217	1,090	e200	e133	27	325	19	48
8	25	34	81	e137	198	703	199	e131	25	283	22	49
9	71	36	84	144	219	e500	214	e129	31	247	23	42
10	87	35	91	146	226	e430	357	126	46	235	21	37
11	58	42	97	138	227	e370	302	123	44	207	51	35
12	36	43	96	153	224	e330	252	119	35	175	123	27
13	26	45	e108	174	205	e300	264	105	29	149	95	20
14	25	48	118	173	193	e280	250	101	26	135	68	15
15	25	57	117	170	196	e265	282	92	26	126	70	15
16	25	58	118	174	208	250	289	72	26	118	171	16
17	25	61	132	289	201	e240	248	64	26	105	427	15
18	25	67	135	219	189	e234	229	61	36	95	297	13
19	24	61	132	188	184	e228	222	56	112	87	247	8.8
20	23	58	115	168	197	e224	190	53	174	76	309	5.7
21	22	58	111	168	195	e220	180	44	527	67	365	6.8
22	22	61	116	176	187	e218	160	39	896	59	267	6.1
23	22	59	124	196	195	e215	162	41	868	52	190	21
24	20	59	123	181	195	e212	281	33	486	84	158	34
25	20	57	118	182	192	e208	220	60	338	88	148	49
26	20	60	109	180	186	204	200	68	303	69	131	43
27	20	62	129	169	164	199	173	149	356	65	111	40
28	21	61	141	159	157	535	166	69	516	59	485	32
29	22	60	140	168	178	316	158	45	544	68	186	27
30	22	61	113	163	---	269	154	44	585	66	99	20
31	23	---	128	165	---	e240	---	101	---	55	79	---
TOTAL	873	1,429	3,298	5,128	5,731	24,118	6,623	2,957	6,335	7,756	4,334	1,056.4
MEAN	28.2	47.6	106	165	198	778	221	95.4	211	250	140	35.2
MAX	87	67	141	289	233	9,040	357	163	896	1,190	485	86
MIN	18	22	65	122	157	199	154	33	25	52	19	5.7
AC-FT	1,730	2,830	6,540	10,170	11,370	47,840	13,140	5,870	12,570	15,380	8,600	2,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	199	232	200	244	273	497	414	732	521	124	134	178
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)

e Estimated

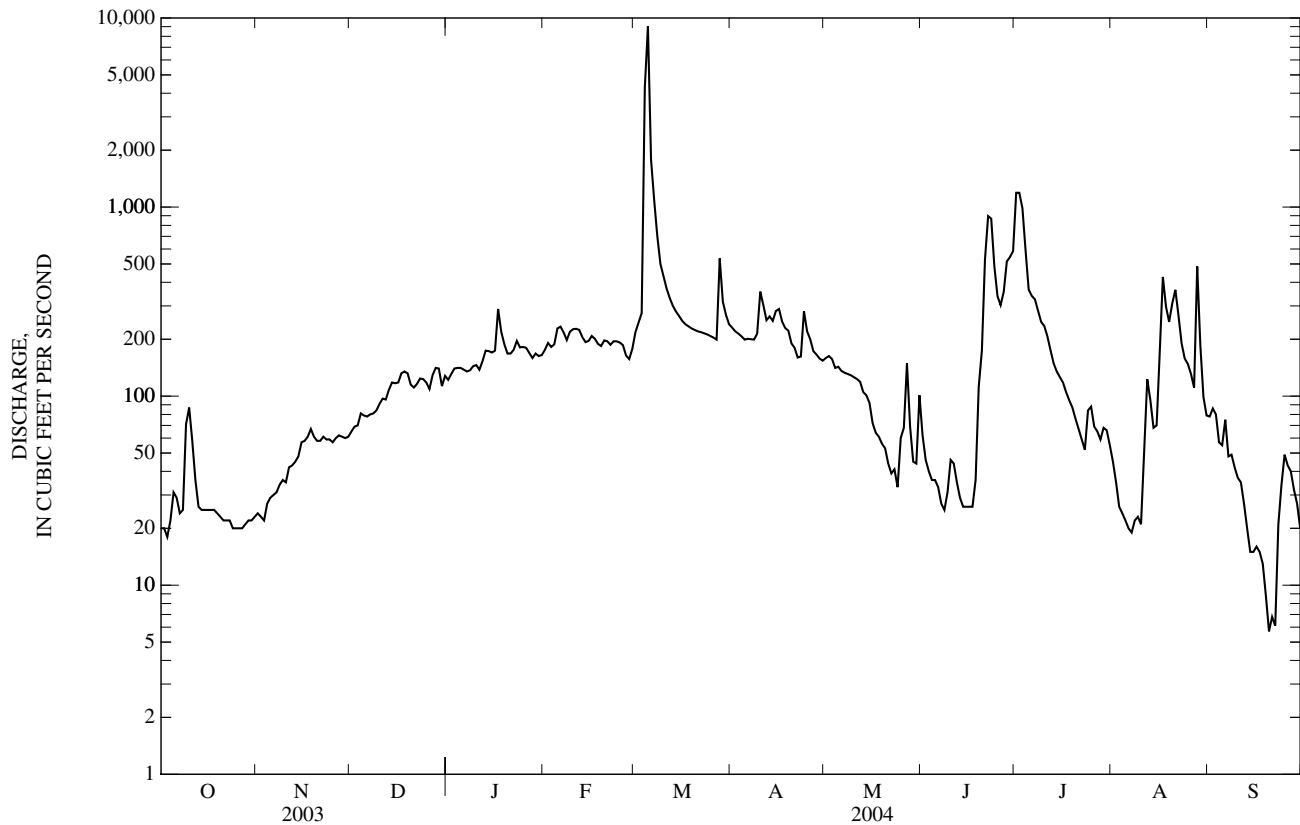
07228500 CANADIAN RIVER AT BRIDGEPORT, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	62,149.0		69,638.4		a312	
ANNUAL MEAN	170		190		1,018	
HIGHEST ANNUAL MEAN					70.2	
LOWEST ANNUAL MEAN					42,100	
HIGHEST DAILY MEAN	989	Jun 16	9,040	Mar 5	May 29, 1987	1981
LOWEST DAILY MEAN	6.4	Aug 26	5.7	Sep 20	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	7.8	Aug 22	10	Sep 16	0.00	Aug 3, 1970
MAXIMUM PEAK FLOW			21,500	Mar 5	b86,100	May 17, 1982
MAXIMUM PEAK STAGE			16.24	Mar 5	c17.55	May 17, 1982
ANNUAL RUNOFF (AC-FT)	123,300		138,100		226,300	
10 PERCENT EXCEEDS	348		291		541	
50 PERCENT EXCEEDS	129		118		128	
90 PERCENT EXCEEDS	14		24		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 ¼ 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 sea level.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e36	e33	59	121	287	365	329	476	e43	1,460	100	e114
2	e33	e36	58	124	392	305	334	481	e42	2,280	75	e167
3	e30	e34	55	121	303	567	322	369	52	1,880	62	153
4	e38	e36	55	118	291	2,830	309	317	e59	1,260	62	127
5	e35	e36	57	115	361	5,550	291	302	e64	609	70	113
6	e31	e36	58	e111	379	9,590	270	269	e94	437	49	242
7	e30	e36	61	e103	379	3,320	276	e250	114	828	38	147
8	e38	e38	62	e95	394	1,560	308	e236	e82	590	42	109
9	e64	e40	66	e111	397	851	279	e219	373	470	127	135
10	85	41	68	117	427	529	381	e204	917	396	90	110
11	67	39	70	120	414	378	399	e195	360	338	357	81
12	65	42	79	131	391	348	615	e188	e257	326	515	76
13	62	e39	166	146	370	309	589	e238	e176	283	194	64
14	72	48	149	156	360	272	543	e211	e111	237	101	56
15	65	78	132	159	368	242	505	e186	e76	189	142	49
16	53	74	125	203	350	224	495	e167	e58	158	333	47
17	e43	71	115	475	348	201	509	e156	e45	135	163	45
18	e41	128	117	398	332	177	582	e142	38	115	93	48
19	e38	e96	117	507	313	149	568	e127	48	103	488	37
20	e38	73	116	396	292	154	557	e116	226	89	525	28
21	e37	72	124	361	259	164	518	e108	551	72	357	e21
22	e36	68	125	315	249	151	508	e96	3,050	58	272	e19
23	e36	63	121	314	278	152	441	e88	2,510	51	325	e21
24	e35	60	114	312	295	140	434	e85	1,640	167	348	e21
25	e33	61	114	357	281	139	395	e81	868	76	254	20
26	e33	62	113	392	252	130	414	e79	626	75	178	18
27	e32	62	119	328	244	129	602	e80	570	54	134	18
28	e32	59	138	340	237	245	501	e86	433	206	170	17
29	e35	59	136	328	283	1,030	443	e52	824	477	e133	18
30	e33	59	129	292	---	509	578	e48	1,180	268	e122	25
31	e31	---	123	e255	---	346	---	e45	---	147	e116	---
TOTAL	1,337	1,679	3,141	7,421	9,526	31,056	13,295	5,697	15,487	13,834	6,035	2,146
MEAN	43.1	56.0	101	239	328	1,002	443	184	516	446	195	71.5
MAX	85	128	166	507	427	9,590	615	481	3,050	2,280	525	242
MIN	30	33	55	95	237	129	270	45	38	51	38	17
AC-FT	2,650	3,330	6,230	14,720	18,890	61,600	26,370	11,300	30,720	27,440	11,970	4,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	591	555	648	642	687	1,016	935	1,775	1,355	379	251	386
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)

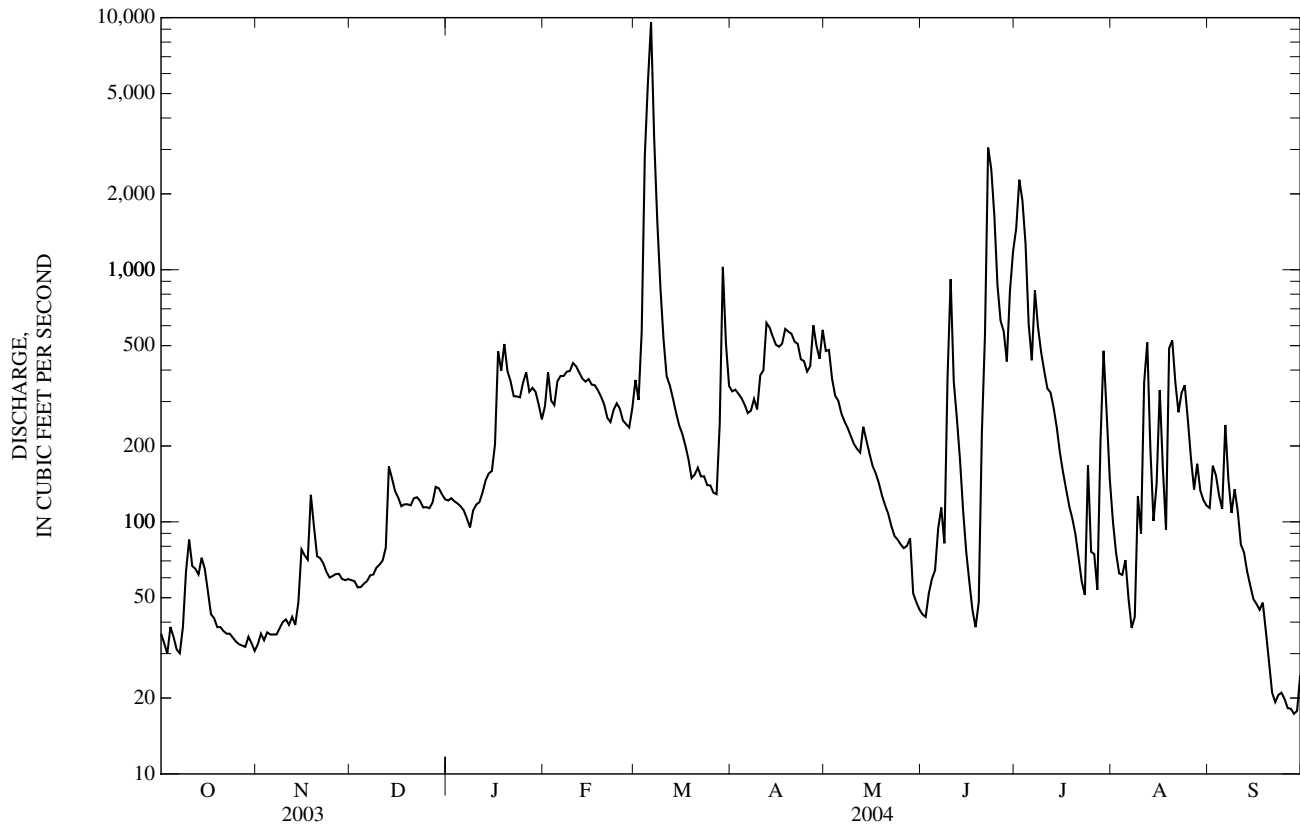
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07229200 CANADIAN RIVER AT PURCELL, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	113,328.9		110,654		769	
ANNUAL MEAN	310		302		117	
HIGHEST ANNUAL MEAN					2,287	
LOWEST ANNUAL MEAN					117	
HIGHEST DAILY MEAN	1,900	Jun 12	9,590	Mar 6	71,000	May 29, 1987
LOWEST DAILY MEAN	7.1	Aug 26	17	Sep 28	a0.00	Aug 2, 1980
ANNUAL SEVEN-DAY MINIMUM	8.7	Aug 22	19	Sep 23	0.00	Aug 6, 1980
MAXIMUM PEAK FLOW			11,200	Mar 6	102,000	May 29, 1987
MAXIMUM PEAK STAGE			9.93	Mar 6	b14.75	May 29, 1987
ANNUAL RUNOFF (AC-FT)	224,800		219,500		556,800	
10 PERCENT EXCEEDS	713		516		1,420	
50 PERCENT EXCEEDS	226		138		344	
90 PERCENT EXCEEDS	25		38		40	

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 sea level.

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. Lake is used for municipal water supply for Oklahoma City. 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, 91,030 acre-ft, May 8-10, elevation 1,187.90 ft; minimum contents, 81,810 acre- ft, Oct. 3, elevation, 1,184.32 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e81,890	82,350	83,510	85,370	e87,340	87,140	e88,970	90,800	89,640	89,150	88,250	88,200
2	81,870	82,430	83,510	85,500	87,380	87,140	e88,970	90,800	89,490	89,150	88,230	88,200
3	81,840	82,460	83,620	85,570	87,300	e87,530	88,970	90,850	89,590	89,100	88,170	88,150
4	81,840	82,530	83,590	85,650	87,250	88,100	88,950	90,930	89,490	89,050	88,120	88,100
5	81,890	82,610	83,690	85,650	87,250	88,250	88,920	90,930	89,440	88,920	88,100	88,070
6	81,920	82,510	83,640	85,700	87,250	88,250	88,950	e90,950	89,380	89,080	88,020	88,050
7	81,940	82,530	83,690	85,730	87,170	88,300	e88,970	90,980	89,280	89,330	87,970	87,990
8	81,970	82,590	83,770	85,750	87,120	88,300	e89,100	91,010	89,150	89,230	87,920	87,890
9	82,330	82,610	83,850	85,750	87,020	88,330	89,260	91,010	89,440	89,130	87,970	87,810
10	82,410	82,660	83,930	85,830	86,990	88,300	89,490	91,010	89,690	89,000	87,940	87,790
11	82,430	82,690	83,950	85,880	86,940	88,330	89,540	90,880	89,690	88,900	88,410	87,740
12	82,460	82,770	83,980	85,960	86,910	88,350	e89,460	90,670	89,640	88,770	88,640	87,660
13	82,460	82,690	84,260	86,060	86,810	88,380	89,490	90,570	89,560	88,610	88,590	87,580
14	82,480	82,740	84,290	86,170	86,760	88,380	89,510	90,470	89,460	88,560	88,560	87,530
15	82,460	82,840	84,360	86,240	86,730	88,460	89,510	90,470	89,380	88,430	88,530	87,400
16	82,430	82,900	84,260	86,400	86,680	88,480	89,560	90,490	89,230	88,350	88,720	87,320
17	82,480	82,970	84,410	86,760	86,710	88,530	89,620	90,520	89,130	88,280	88,660	87,320
18	82,410	83,180	84,490	86,860	86,680	88,560	89,690	90,520	89,050	88,150	88,640	87,320
19	82,430	83,100	84,540	86,940	86,710	88,590	89,770	90,520	88,920	88,070	88,610	87,300
20	82,410	83,180	84,620	86,990	86,760	88,610	89,870	90,540	89,150	87,990	88,640	87,250
21	82,410	83,180	84,620	87,040	86,760	88,590	89,950	90,520	89,460	87,920	88,610	87,120
22	82,430	83,230	84,700	87,070	86,780	88,610	90,080	90,470	89,670	87,870	88,590	87,090
23	82,430	83,360	84,830	87,170	86,840	88,560	90,180	90,440	89,590	87,790	88,530	87,020
24	82,430	83,230	84,830	87,250	86,940	88,590	90,310	90,410	89,490	87,940	88,510	87,020
25	82,300	83,280	84,880	87,400	86,830	88,640	90,360	90,310	89,380	87,870	88,460	86,990
26	82,330	83,280	84,960	87,450	86,940	e88,640	90,440	90,290	89,330	87,890	88,430	86,960
27	82,380	e83,310	85,060	87,530	86,940	e88,740	90,470	90,210	89,260	87,840	88,350	86,910
28	82,330	83,380	85,190	87,450	86,960	89,000	90,490	90,180	89,130	87,810	88,430	86,860
29	82,330	83,410	85,260	87,430	86,990	89,020	90,520	90,050	89,050	88,280	88,280	86,780
30	82,300	83,440	85,290	87,350	---	89,000	90,780	89,950	89,000	88,250	88,250	86,710
31	82,330	---	85,320	87,300	---	e89,000	---	89,820	---	88,250	88,230	---
MAX	82,480	83,440	85,320	87,530	87,380	89,020	90,780	91,010	89,690	89,330	88,720	88,200
MIN	81,840	82,350	83,510	85,370	86,680	87,140	88,920	89,820	88,920	87,790	87,920	86,710
(±)	1184.52	1184.95	1185.68	1186.45	1186.33	1187.11	1187.80	1187.43	1187.11	1186.82	1186.81	1186.22
(±±)	+410	+1110	+1880	+1980	-310	+2010	+1780	-960	-820	-750	-20	-1520

CAL YR 2003 MAX 92580 MIN 81840 (±±) -2360

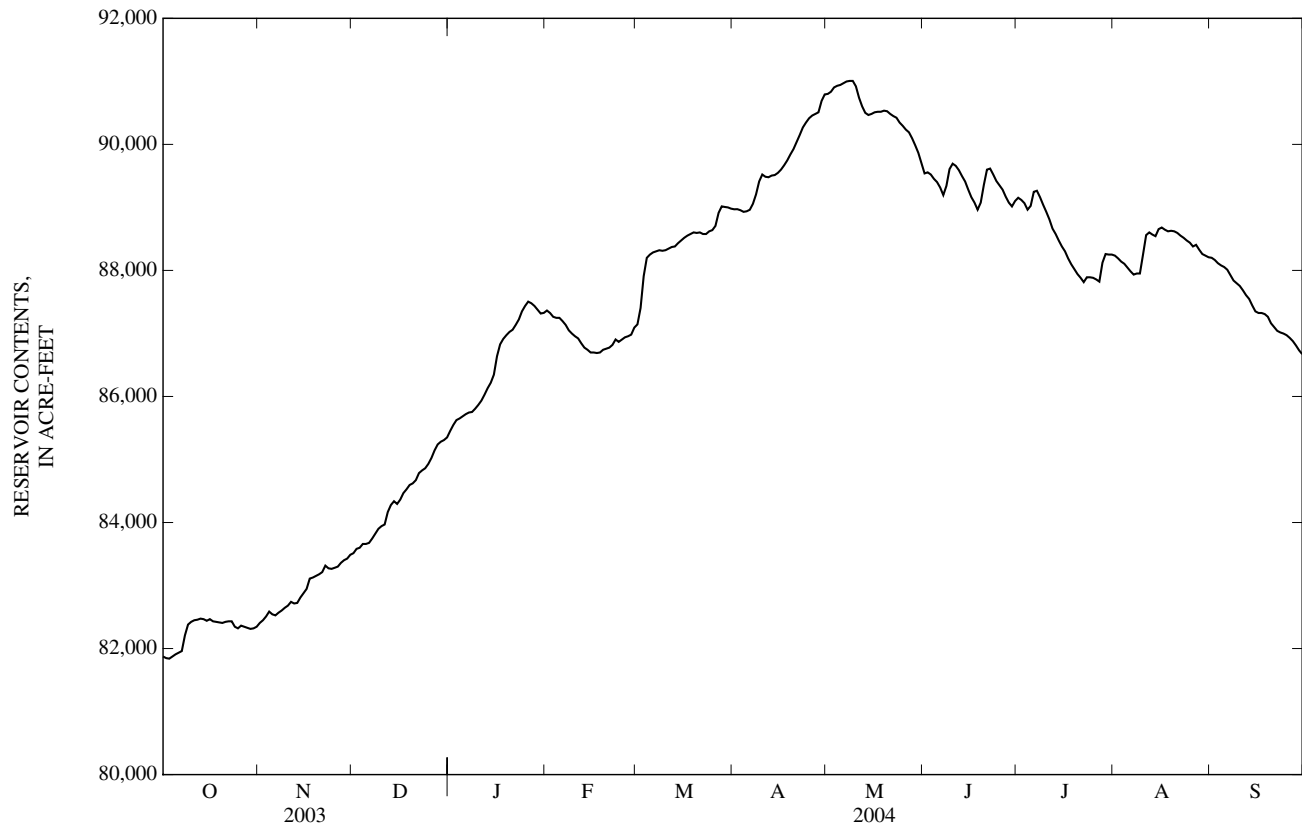
WTR YR 2004 MAX 91010 MIN 81840 (±±) +4790

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 sea level.

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, 123,300 acre-ft, Aug. 20, elevation, 1,039.61 ft; minimum, 104,100 acre-ft, Jan. 15, elevation, 1,036.33 ft.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	*Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Diversions (acre-feet)
Sept. 30.....	1037.65	111,600	--	--
Oct. 31.....	1037.17	108,800	-2,800	1,453
Nov. 30.....	1036.79	106,600	-2,200	1,265
Dec. 31.....	1036.47	104,900	-1,700	1,275
CAL YR 03	--	--	-7,500	17,002
Jan. 31.....	1036.49	105,000	+100	1,265
Feb. 29.....	1036.50	105,000	0	1,121
Mar. 31.....	1037.97	113,400	+8,400	1,274
Apr. 30.....	1037.82	112,600	-800	1,462
May 31.....	1037.27	109,400	-3,200	1,880
June 30.....	1038.72	117,900	+8,500	1,575
July 31.....	1039.00	119,600	+1,700	1,890
Aug. 31.....	1039.35	121,700	+2,100	1,811
Sept. 30.....	1038.60	117,200	-4,500	1,542
WTR YR 04	-	-	+5,600	17,813

*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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.12	e0.12	0.12	0.91	0.12	0.17	0.17	0.15	0.37	0.22	0.22
2	0.12	0.12	0.12	0.12	0.48	0.12	0.17	0.17	0.17	0.23	0.22	0.22
3	0.12	0.12	0.12	0.12	0.12	0.41	0.17	0.17	0.17	0.20	0.22	0.22
4	0.12	0.12	0.12	0.12	0.14	0.28	0.17	0.17	0.18	0.20	0.23	0.22
5	0.12	0.12	0.12	0.12	0.12	0.14	0.17	0.12	0.15	0.21	0.22	0.22
6	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.17	0.15	0.23	0.22	0.44
7	0.12	0.12	0.12	0.12	0.12	0.12	0.21	0.17	0.22	0.39	0.22	0.16
8	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.17	0.17	0.21	0.22	0.17
9	0.32	0.12	0.13	0.12	0.12	0.12	0.17	0.17	0.57	0.22	0.22	0.17
10	0.12	0.12	0.12	0.12	0.12	0.12	0.22	0.17	0.18	0.22	0.22	0.17
11	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.20	0.17	0.22	0.45	0.17
12	0.12	0.12	0.17	0.12	0.12	0.12	0.17	0.17	0.17	0.22	0.23	0.17
13	0.12	0.12	0.14	0.18	0.12	0.12	0.17	0.41	0.17	0.22	0.22	0.14
14	0.12	0.15	0.12	0.27	0.12	0.12	0.17	0.17	0.17	0.22	0.22	0.17
15	0.12	0.17	0.12	0.27	0.12	0.12	0.17	0.17	0.17	0.22	0.33	0.17
16	0.12	0.17	0.12	0.60	0.12	0.12	0.17	0.17	0.17	0.22	0.25	0.17
17	0.12	0.16	0.12	1.1	0.12	0.12	0.17	0.17	0.17	0.20	0.22	0.15
18	0.12	0.14	0.12	0.97	0.12	0.12	0.17	0.17	0.16	0.21	0.22	0.12
19	0.12	0.12	0.12	0.97	0.12	0.12	0.17	0.16	0.23	0.22	0.22	0.12
20	0.12	0.12	0.12	0.97	0.12	0.12	0.19	0.15	0.21	0.22	0.22	0.12
21	0.12	0.12	0.12	0.97	0.12	0.12	0.17	0.14	0.75	0.22	0.22	0.12
22	0.12	0.12	0.12	0.97	0.12	0.22	0.17	0.17	1.8	0.22	0.22	0.12
23	0.12	0.13	0.12	0.97	0.13	0.17	0.17	0.14	0.20	0.21	0.22	0.12
24	0.12	0.12	0.12	0.99	0.12	0.17	0.18	0.15	0.17	0.29	0.22	0.13
25	0.12	0.12	0.12	0.99	0.12	0.17	0.17	0.17	0.18	0.22	0.22	0.12
26	0.12	0.12	0.12	0.94	0.12	0.17	0.17	0.17	0.22	0.22	0.22	0.12
27	0.12	0.12	0.15	0.87	0.12	0.17	0.17	0.17	0.20	0.22	0.22	0.12
28	0.12	e0.12	0.12	0.94	0.12	0.18	0.17	0.15	0.17	0.32	0.23	0.12
29	0.12	e0.12	0.12	0.97	0.15	0.17	0.17	0.17	0.38	0.22	0.22	0.12
30	0.12	e0.12	0.12	0.89	---	0.17	0.19	0.14	0.35	0.22	0.22	0.12
31	0.12	---	0.12	0.95	---	0.17	---	0.12	---	0.22	0.22	---
TOTAL	3.92	3.80	3.83	17.22	4.69	4.75	5.24	5.28	8.32	7.23	7.22	4.92
MEAN	0.13	0.13	0.12	0.56	0.16	0.15	0.17	0.17	0.28	0.23	0.23	0.16
MAX	0.32	0.17	0.17	1.1	0.91	0.41	0.22	0.41	1.8	0.39	0.45	0.44
MIN	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.12	0.15	0.20	0.22	0.12
AC-FT	7.8	7.5	7.6	34	9.3	9.4	10	10	17	14	14	9.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	27.4	49.0	34.3	42.4	44.0	88.2	88.7	117	124	34.7	15.1	6.89
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)

e Estimated

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

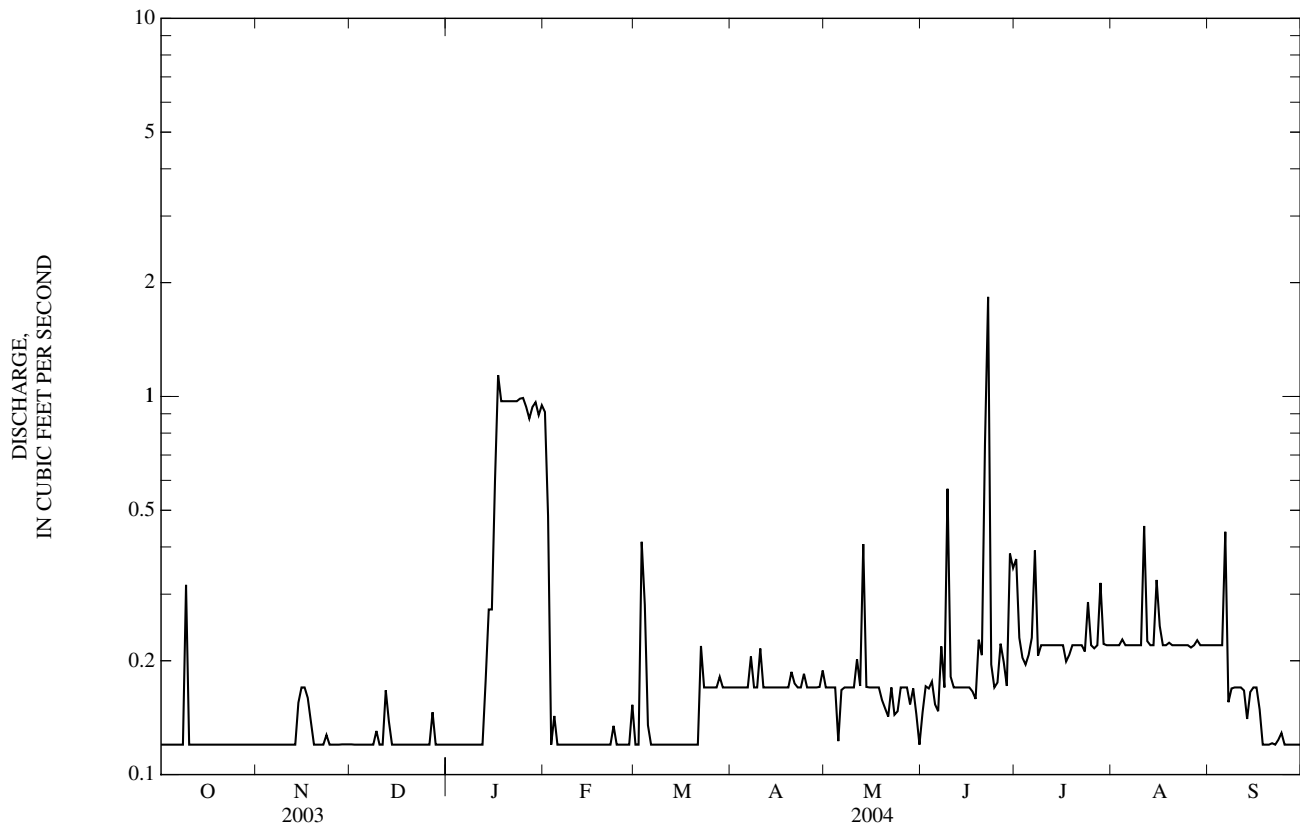
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	55.63		76.42		a55.9	
ANNUAL MEAN	0.15		0.21		251	
HIGHEST ANNUAL MEAN					0.16	
LOWEST ANNUAL MEAN					1,280	
HIGHEST DAILY MEAN	1.1	Jul 30	1.8	Jun 22	1,280	May 14, 1990
LOWEST DAILY MEAN	0.12	Jan 1	0.12	at times	b0.10	Oct 1, 1965
ANNUAL SEVEN-DAY MINIMUM	0.12	Jan 1	0.12	Oct 1	0.10	Oct 19, 1965
MAXIMUM PEAK FLOW			13	Jun 22	c1,450	May 10, 1990
MAXIMUM PEAK STAGE			3.72	Jun 22	d8.62	Oct 26, 1983
ANNUAL RUNOFF (AC-FT)	110		152		40,480	
10 PERCENT EXCEEDS	0.17		0.26		227	
50 PERCENT EXCEEDS	0.12		0.17		0.68	
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 sea level (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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	e8.2	e7.4	e7.0	17	24	15	19	e11	554	13	e5.9
2	7.0	e8.0	7.2	e6.8	24	20	15	15	e12	296	11	e5.0
3	e5.9	e8.0	e7.0	e6.6	28	1,490	15	13	12	102	11	e4.9
4	e6.2	e8.0	e6.9	e6.6	26	1,340	14	11	12	42	11	e4.8
5	e5.6	e7.8	e6.8	e6.5	25	586	14	e9.8	12	28	11	9.0
6	e5.3	e8.0	e6.7	e6.3	27	184	15	e8.8	12	28	8.9	46
7	e5.2	e10	e6.6	e6.3	25	e90	16	e8.3	17	1,240	8.5	20
8	e5.1	e12	e6.6	e6.4	22	e51	22	e8.0	e11	346	8.1	14
9	91	e10	e6.5	e6.1	20	e35	20	e7.7	70	179	8.5	13
10	54	e8.9	e6.5	e6.0	19	e27	30	e7.5	180	126	8.5	e9.5
11	32	e8.3	e6.4	e6.0	18	e22	31	e7.4	35	e32	180	e9.2
12	28	e8.3	e10	e6.8	17	e20	20	9.1	19	e25	85	e8.6
13	e24	e8.0	15	e8.0	16	e19	16	229	14	e18	61	e7.7
14	e19	e7.5	16	e6.0	16	e18	15	221	12	e15	23	e7.3
15	e15	e7.4	e11	e5.6	16	e18	14	46	e11	e14	26	e6.9
16	e14	e7.2	e11	13	16	e17	14	27	e11	e13	34	e6.4
17	e12	e7.1	e10	206	e14	e17	13	26	e10	e12	21	e5.7
18	e11	35	e9.9	86	e12	e17	13	22	e9.0	e12	16	e5.6
19	e10	37	e9.8	42	e11	e17	13	16	28	e11	16	e4.9
20	e10	30	e8.2	31	e10	e17	16	15	29	e11	22	e4.9
21	e9.6	27	e8.2	27	e10	e17	15	14	723	e11	19	e4.5
22	e9.5	24	e8.0	23	e9.0	e17	21	14	1,460	e11	15	e4.2
23	e9.4	e21	e7.4	21	e10	e16	20	13	326	e11	14	e3.7
24	e9.2	e17	e7.0	19	18	e17	35	e12	67	e10	e12	e3.3
25	e9.1	e14	e7.0	22	18	e17	27	e12	40	e10	e9.5	e2.9
26	e8.9	e12	e7.0	22	17	e16	17	e12	54	e10	e8.9	e2.6
27	e8.5	e10	e8.0	19	e14	e16	14	e11	153	10	e8.1	e2.4
28	e8.6	e8.0	e9.5	18	e12	e16	12	e11	34	15	e7.8	e2.2
29	e8.4	e7.6	e9.0	17	19	e17	12	e11	20	49	e7.4	e2.2
30	e8.0	e7.5	e7.5	e14	---	e16	19	e11	288	26	e6.2	e2.2
31	e8.1	---	e7.2	e13	---	16	---	e11	---	17	e6.0	---
TOTAL	467.6	392.8	261.3	690.0	506.0	4,210	533	858.6	3,692.0	3,284	697.4	229.5
MEAN	15.1	13.1	8.43	22.3	17.4	136	17.8	27.7	123	106	22.5	7.65
MAX	91	37	16	206	28	1,490	35	229	1,460	1,240	180	46
MIN	5.1	7.1	6.4	5.6	9.0	16	12	7.4	9.0	10	6.0	2.2
AC-FT	927	779	518	1,370	1,000	8,350	1,060	1,700	7,320	6,510	1,380	455

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

	MEAN	102	109	96.8	93.3	129	211	248	327	263	75.2	44.5	53.4
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)	

e Estimated

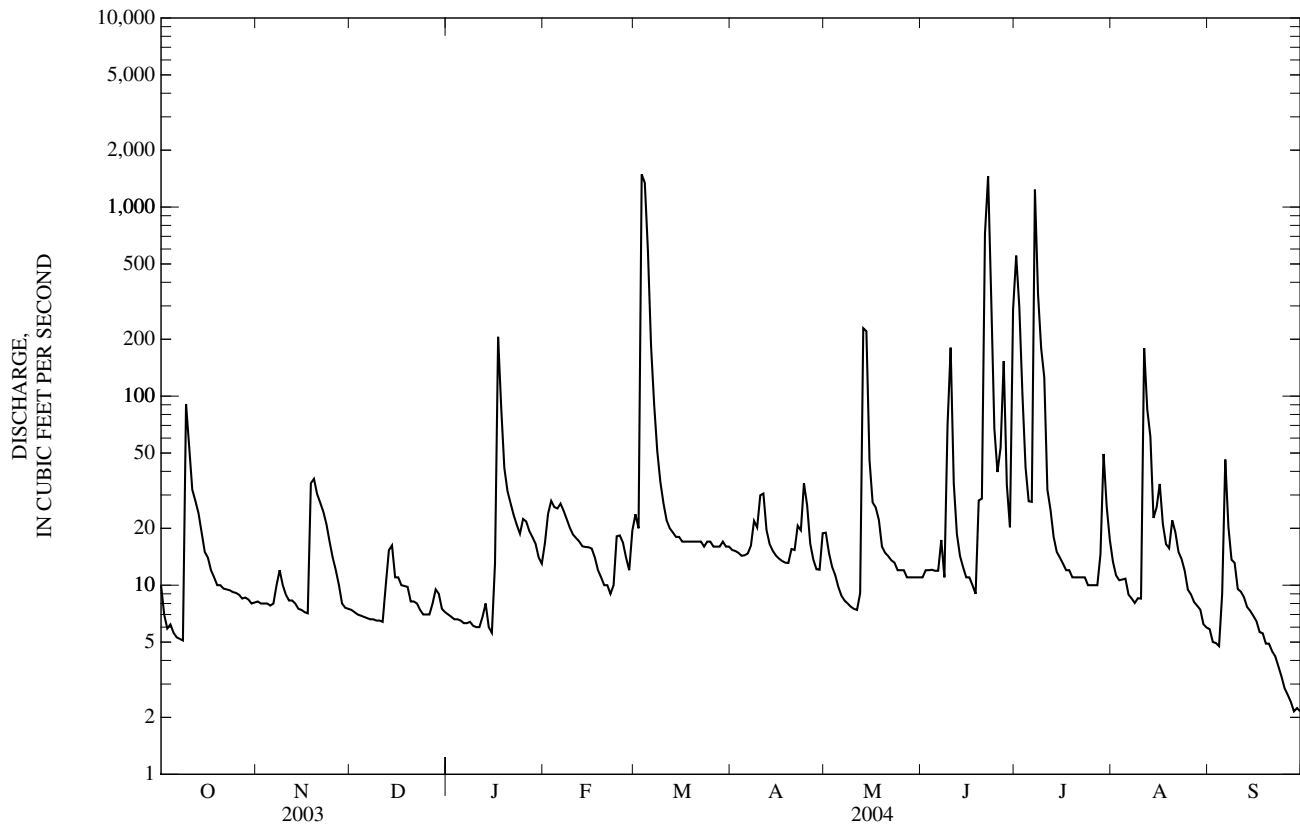
07230500 LITTLE RIVER NEAR TECUMSEH, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	10,654.0		15,822.2		a146	
ANNUAL MEAN	29.2		43.2		511	
HIGHEST ANNUAL MEAN					9.34	
LOWEST ANNUAL MEAN					9,740	
HIGHEST DAILY MEAN	880	Mar 18	1,490	Mar 3	May 3, 1990	
LOWEST DAILY MEAN	2.3	Aug 22	2.2	Sep 28,29,30	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 16	2.5	Sep 24	0.00	Jun 23, 1966
MAXIMUM PEAK FLOW			4,660	Mar 3	b14,000	May 3, 1990
MAXIMUM PEAK STAGE			15.00	Mar 3	c19.24	Oct 20, 1984
ANNUAL RUNOFF (AC-FT)	21,130		31,380		105,700	
10 PERCENT EXCEEDS	44		41		476	
50 PERCENT EXCEEDS	16		13		19	
90 PERCENT EXCEEDS	5.3		6.5		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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.7	e11	e11	e11	27	64	55	97	e13	615	59	e6.8
2	6.7	e11	12	e11	56	64	54	82	e13	744	40	e6.4
3	e6.6	e11	e11	e11	101	453	53	66	13	516	e23	e6.0
4	e6.6	e12	e11	e11	99	2,470	50	53	e12	280	e18	e5.7
5	e6.5	e26	e11	e11	120	2,780	48	43	e12	164	e13	e5.5
6	e6.5	e15	e11	e11	115	1,560	48	36	e12	114	e12	e5.3
7	e6.4	e23	e10	e11	89	637	54	29	e12	1,150	e11	e10
8	e6.4	e31	e10	e10	72	362	73	33	e12	1,500	e11	45
9	190	e14	e10	e10	62	258	67	e26	25	653	10	21
10	257	e12	e10	e10	58	199	76	e22	158	1,190	e10	e11
11	158	e11	e12	e10	51	161	101	e20	252	609	e10	e9.8
12	74	e11	e15	e10	48	137	96	e18	129	286	70	e9.7
13	41	e11	e23	e21	42	123	80	31	71	182	203	e8.4
14	e28	e10	e25	e11	39	115	66	39	45	135	133	e8.1
15	e23	e10	34	e28	39	109	59	263	30	100	85	e7.9
16	e19	e10	38	33	37	102	54	107	e23	81	53	e7.4
17	e17	25	26	177	35	95	50	65	e19	72	63	e6.9
18	e15	183	e18	296	34	91	47	46	e18	59	63	e6.9
19	e14	85	e13	218	34	88	43	35	55	48	28	e6.6
20	e14	53	e12	117	e31	82	45	e25	246	41	e32	e6.0
21	e13	39	e11	79	e29	74	52	e21	697	34	43	e5.7
22	e13	33	e11	61	e28	68	60	e18	1,910	e25	47	e4.8
23	e12	e30	e11	50	35	63	145	e17	1,780	e21	15	e4.4
24	e12	e22	e11	45	89	61	372	e16	713	e19	e13	e4.1
25	e12	e16	e10	48	85	62	247	e15	328	e18	e11	e3.8
26	e12	e15	e10	56	64	63	154	e15	200	e17	e10	e3.6
27	e12	e13	e11	63	53	63	104	e14	222	34	e9.4	e3.0
28	e12	e12	e25	49	44	67	76	e14	287	31	e8.6	e2.9
29	e12	e12	35	40	44	70	61	e13	160	68	e8.1	e2.8
30	e12	e12	e25	38	---	66	59	e13	166	82	e7.7	e2.7
31	e11	---	e12	30	---	60	---	e13	---	95	e7.4	---
TOTAL	1,035.4	779	495	1,587	1,660	10,667	2,549	1,305	7,633	8,983	1,127.2	238.2
MEAN	33.4	26.0	16.0	51.2	57.2	344	85.0	42.1	254	290	36.4	7.94
MAX	257	183	38	296	120	2,780	372	263	1,910	1,500	203	45
MIN	6.4	10	10	10	27	60	43	13	12	17	7.4	2.7
AC-FT	2,050	1,550	982	3,150	3,290	21,160	5,060	2,590	15,140	17,820	2,240	472

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	235	295	264	231	353	517	626	779	581	151	82.8	124
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

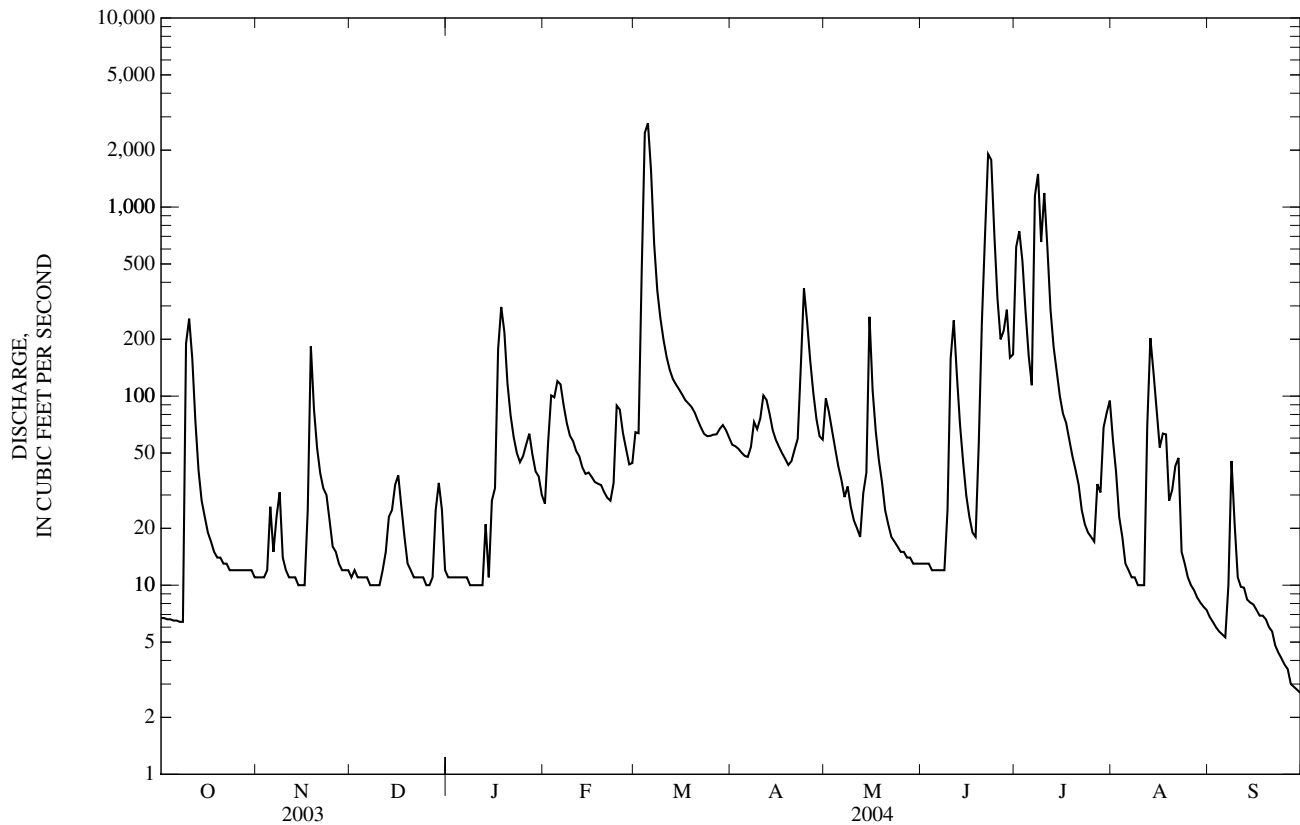
07231000 LITTLE RIVER NEAR SASAKWA, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	27,495.0		38,058.8		a353	
ANNUAL MEAN	75.3		104		996	
HIGHEST ANNUAL MEAN					19.0	
LOWEST ANNUAL MEAN					15,600	
HIGHEST DAILY MEAN	1,730	Aug 31	2,780	Mar 5	15,600	May 1, 1985
LOWEST DAILY MEAN	4.0	Aug 22	2.7	Sep 30	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 16	3.3	Sep 24	0.00	Nov 23, 1965
MAXIMUM PEAK FLOW			3,110	Mar 5	b18,500	May 1, 1985
MAXIMUM PEAK STAGE			12.18	Mar 5	c31.73	May 1, 1985
ANNUAL RUNOFF (AC-FT)	54,540		75,490		255,500	
10 PERCENT EXCEEDS	156		185		945	
50 PERCENT EXCEEDS	35		31		55	
90 PERCENT EXCEEDS	6.1		9.2		1.8	

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 sea level. 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 fair. 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)
Mar. 4	2330	*14,000	*7.26				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e61	35	e96	193	419	398	620	563	45	5,680	459	157
2	61	37	94	189	447	403	502	724	44	6,330	346	354
3	59	36	92	180	479	638	441	662	52	6,730	252	318
4	56	37	92	188	603	5,970	409	546	64	6,470	193	232
5	66	48	94	178	774	10,600	381	444	67	3,970	155	169
6	66	52	91	167	754	8,890	355	386	122	2,370	127	225
7	64	59	94	149	637	11,700	374	326	139	3,170	113	200
8	61	76	93	156	574	5,690	459	297	107	6,870	110	127
9	336	94	103	166	522	3,050	471	281	182	4,140	103	94
10	695	92	100	165	516	2,320	506	255	926	3,710	90	152
11	364	83	100	158	494	1,690	554	242	2,950	2,470	94	108
12	189	78	108	157	484	1,310	534	245	1,280	1,250	135	82
13	131	72	148	185	474	1,090	526	237	794	825	412	78
14	114	79	178	204	448	944	603	258	522	638	805	73
15	92	90	207	210	442	813	713	340	356	534	469	61
16	81	93	202	242	430	739	555	476	257	451	328	44
17	69	108	222	510	416	663	509	282	206	391	229	37
18	69	218	185	980	410	566	515	250	169	342	185	32
19	64	538	140	e1,080	397	516	501	206	166	310	337	29
20	58	167	145	e720	358	478	532	176	533	260	280	28
21	53	e125	129	e680	353	448	568	152	1,390	229	228	32
22	48	e110	130	e580	337	419	1,100	134	6,020	200	557	30
23	45	e101	128	e520	367	404	885	116	6,120	181	544	29
24	42	e98	126	e480	569	395	3,200	102	5,810	205	410	34
25	39	e96	148	461	725	397	1,930	94	3,710	157	325	36
26	37	e98	153	440	624	409	1,210	90	2,240	135	311	35
27	36	e99	158	442	492	414	791	87	1,350	172	334	27
28	36	e100	204	472	420	454	579	89	1,250	194	280	24
29	35	e97	196	493	395	446	510	68	998	384	249	24
30	34	e98	214	434	---	1,060	607	60	1,000	748	207	23
31	33	---	183	421	---	1,230	---	52	---	742	175	---
TOTAL	3,194	3,114	4,353	11,600	14,360	64,544	21,440	8,240	38,869	60,258	8,842	2,894
MEAN	103	104	140	374	495	2,082	715	266	1,296	1,944	285	96.5
MAX	695	538	222	1,080	774	11,700	3,200	724	6,120	6,870	805	354
MIN	33	35	91	149	337	395	355	52	44	135	90	23
AC-FT	6,340	6,180	8,630	23,010	28,480	128,000	42,530	16,340	77,100	119,500	17,540	5,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2004, BY WATER YEAR (WY)

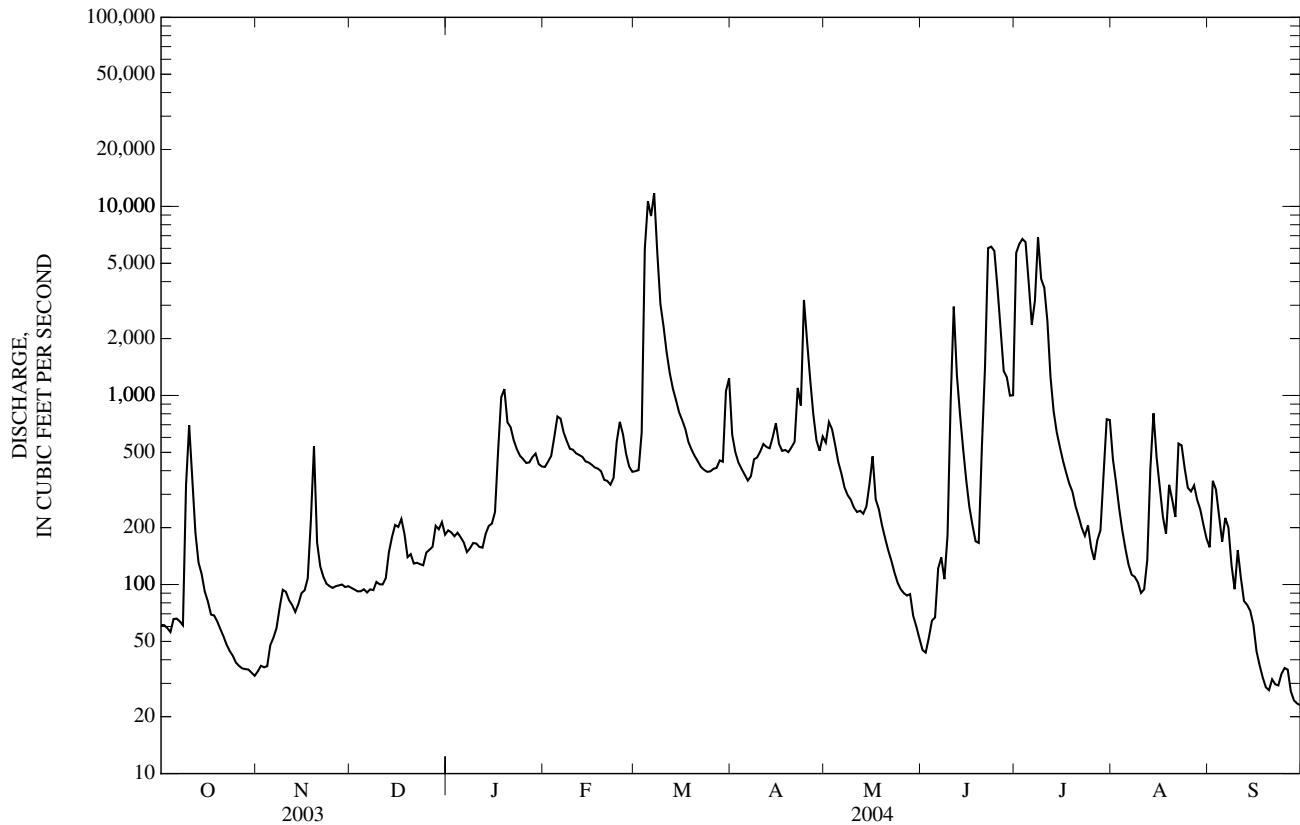
MEAN	1,560	1,153	1,051	937	1,350	1,949	2,623	4,255	3,242	1,325	778	1,156
MAX	21,530	6,529	9,355	6,655	7,059	10,230	15,110	20,640	15,350	9,669	8,398	6,467
(WY)	(1942)	(1993)	(1993)	(1998)	(1985)	(1998)	(1990)	(1990)	(1941)	(1950)	(1906)	(1941)
MIN	0.10	3.82	7.76	16.4	23.4	20.9	45.7	195	33.7	10.8	0.07	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1906 - 2004	
ANNUAL TOTAL	190,551.0		241,708		1,784	
ANNUAL MEAN	522		660		184	
HIGHEST ANNUAL MEAN					5,513	
LOWEST ANNUAL MEAN					184	
HIGHEST DAILY MEAN	5,170	Jun 13	11,700	Mar 7	140,000	May 29, 1987
LOWEST DAILY MEAN	6.0	Aug 28	23	Sep 30	0.00	Sep 10, 1939
ANNUAL SEVEN-DAY MINIMUM	8.6	Aug 22	29	Sep 24	0.00	Sep 10, 1939
MAXIMUM PEAK FLOW			14,000	Mar 4	174,000	May 11, 1950
MAXIMUM PEAK STAGE			7.26	Mar 4	a21.00	Aug 7, 1906
ANNUAL RUNOFF (AC-FT)	378,000		479,400		1,293,000	
10 PERCENT EXCEEDS	997		1,090		4,030	
50 PERCENT EXCEEDS	325		250		420	
90 PERCENT EXCEEDS	37		55		27	

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 sea level.

REMARKS.--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)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 19	0530	*4,350	*14.31				
						No other peak greater than base discharge.	

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
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	14	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	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	723	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	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	17	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	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	881.13	16.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.4	0.52	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	723	14	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	1,750	32	0.00	0.00

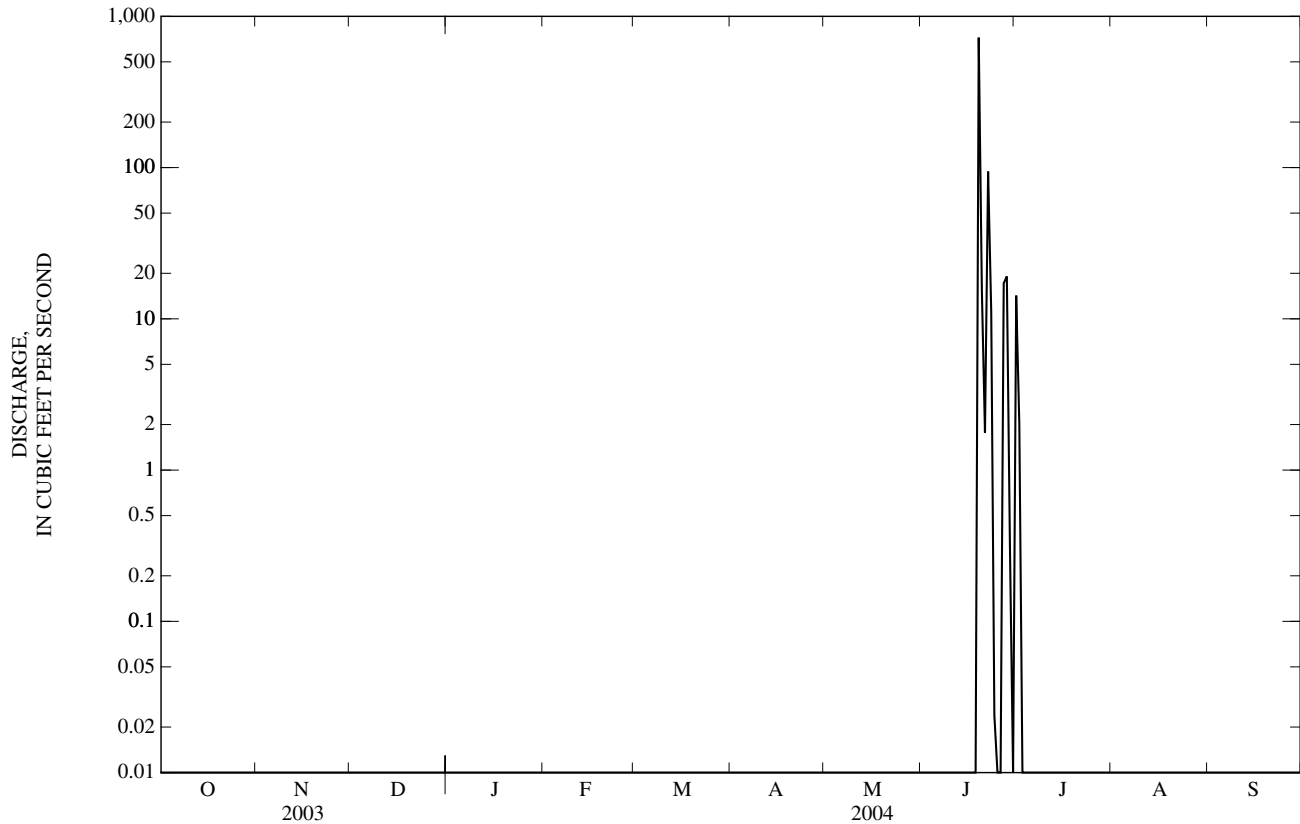
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	1.03	0.13	0.00	0.00	0.00	0.00	2.19	6.57	4.97	0.04	0.90	1.32
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)

e Estimated

07232900 COLDWATER CREEK NEAR GUYMON, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	0.00		897.13		1.43	
ANNUAL MEAN	0.00		2.45		8.37	
HIGHEST ANNUAL MEAN					0.00	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	0.00	Jan 1	723	Jun 19	1,500	May 18, 1989
LOWEST DAILY MEAN	0.00	all year	0.00	most days	0.00	each year
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1980
MAXIMUM PEAK FLOW			4,350	Jun 19	5,800	Jun 20, 1982
MAXIMUM PEAK STAGE			14.31	Jun 19	14.34	Jun 20, 1982
ANNUAL RUNOFF (AC-FT)	0.00		1,780		1,040	
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 sea level.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	0.49	0.78	0.93	1.2	1.0	0.94	1.3	0.16	0.90	0.07	0.00
2	0.45	0.53	0.79	0.96	1.2	0.78	0.86	1.2	0.12	1.2	0.04	0.00
3	0.47	0.53	0.74	0.92	1.2	1.2	0.82	1.2	0.13	1.1	0.01	0.00
4	0.46	0.53	0.72	0.99	1.2	2.0	0.83	1.1	0.14	0.86	0.00	0.00
5	0.48	0.51	0.71	0.97	1.2	2.1	0.85	1.1	0.16	0.57	0.00	0.00
6	0.47	0.56	0.72	0.94	1.2	1.7	1.0	1.0	0.38	0.49	0.03	0.00
7	0.45	0.60	0.77	0.92	1.3	1.5	1.2	0.90	0.17	0.50	0.12	0.00
8	0.54	0.62	0.84	0.95	1.3	1.4	1.2	0.78	0.06	0.35	0.56	0.00
9	0.56	0.63	0.86	0.95	1.3	1.2	1.1	1.8	0.04	0.30	0.25	0.00
10	0.54	0.65	0.86	0.95	1.3	1.2	1.4	2.3	0.03	0.24	0.26	0.00
11	0.51	0.69	0.88	0.92	1.3	1.1	1.5	2.7	0.02	0.15	0.68	0.00
12	0.43	0.67	0.88	0.89	1.2	1.1	1.5	2.8	0.01	0.09	0.50	0.00
13	0.48	0.84	0.88	0.91	1.3	1.1	1.4	2.3	0.00	0.05	0.36	0.00
14	0.40	0.91	0.89	0.92	1.3	1.0	1.2	2.3	0.00	0.03	0.50	0.00
15	0.41	0.84	0.94	0.88	1.3	1.1	1.2	2.2	0.00	0.02	0.69	0.00
16	0.42	0.83	0.91	0.85	1.3	1.2	1.1	2.0	0.00	0.00	0.58	0.00
17	0.38	0.82	0.92	0.91	1.3	1.3	0.91	1.9	0.06	0.00	0.35	0.00
18	0.39	0.71	0.89	0.92	1.2	1.2	0.96	1.8	0.11	0.02	0.28	0.00
19	0.39	0.66	0.88	0.87	1.1	1.2	1.0	1.7	0.24	0.02	0.39	0.00
20	0.35	0.69	0.88	0.87	e1.2	1.0	1.8	1.6	0.30	0.00	0.29	0.00
21	0.35	0.69	0.88	0.92	e1.1	0.88	2.0	1.4	0.77	0.00	0.38	0.00
22	0.36	0.76	0.88	0.92	e1.0	0.95	1.6	1.3	0.84	0.00	0.39	0.00
23	0.38	0.72	0.85	0.92	e1.0	0.98	1.5	1.1	0.49	0.02	0.08	0.23
24	0.33	0.74	0.89	0.95	e0.93	1.3	1.6	1.0	0.23	0.08	0.11	0.15
25	0.31	0.76	0.93	0.91	e0.98	1.2	1.6	0.92	0.16	0.11	0.07	0.08
26	0.36	0.80	0.93	1.1	e1.0	1.2	1.5	0.98	0.21	0.13	0.03	0.04
27	0.46	0.78	0.91	1.2	e0.91	0.94	1.5	0.75	0.79	0.10	0.01	0.07
28	0.64	0.70	0.91	1.1	e0.85	0.89	1.4	0.56	0.61	0.08	0.00	0.15
29	0.37	0.80	0.94	1.0	e0.93	0.89	1.3	0.38	0.68	0.33	0.00	0.12
30	0.47	0.78	0.95	1.0	---	0.97	1.4	0.20	0.96	0.21	0.00	0.06
31	0.40	---	0.94	1.1	---	0.92	---	0.17	---	0.14	0.00	---
TOTAL	13.44	20.84	26.75	29.54	33.60	36.50	38.17	42.74	7.87	8.09	7.03	0.90
MEAN	0.43	0.69	0.86	0.95	1.16	1.18	1.27	1.38	0.26	0.26	0.23	0.03
MAX	0.64	0.91	0.95	1.2	1.3	2.1	2.0	2.8	0.96	1.2	0.69	0.23
MIN	0.31	0.49	0.71	0.85	0.85	0.78	0.82	0.17	0.00	0.00	0.00	0.00
AC-FT	27	41	53	59	67	72	76	85	16	16	14	1.8

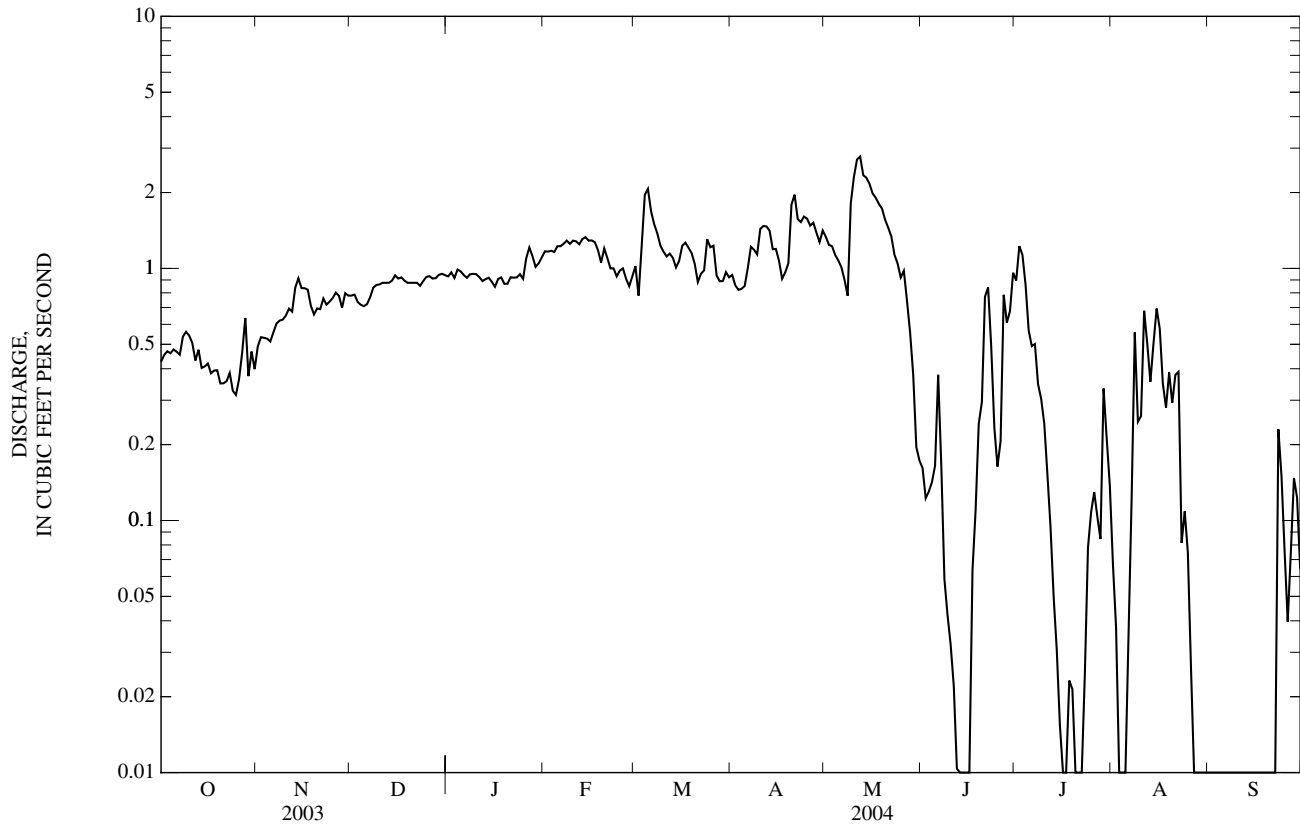
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.40	0.88	1.16	1.20	1.31	1.41	1.48	1.39	0.86	0.41	0.20	0.24
MAX	0.97	1.58	2.68	1.73	2.17	1.99	3.43	3.20	2.72	3.12	0.55	1.47
(WY)	(1997)	(1997)	(1997)	(1997)	(1997)	(1998)	(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	308.06		265.47		0.91	
ANNUAL MEAN	0.84		0.73		1.64	
HIGHEST ANNUAL MEAN					0.33	
LOWEST ANNUAL MEAN					59	
HIGHEST DAILY MEAN	4.7	Aug 30	2.8	May 12	105	Jul 1, 1999
LOWEST DAILY MEAN	0.00	at times	0.00	at times	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 14	0.00	Aug 28	0.00	Jun 23, 1994
MAXIMUM PEAK FLOW			3.1		10.53	
MAXIMUM PEAK STAGE			8.92		658	
ANNUAL RUNOFF (AC-FT)	611		527		1.7	
10 PERCENT EXCEEDS	1.6		1.3		0.87	
50 PERCENT EXCEEDS	0.80		0.79		0.00	
90 PERCENT EXCEEDS	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, sea level (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.--No estimated daily discharge. Records fair. Natural flow affected by irrigation development. Regulation by Optima Lake (station 07233200) 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 2003 TO SEPTEMBER 2004
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	0.08	4.4	0.03	91	0.50	6.3
2	0.00	0.00	0.00	0.00	0.00	0.01	0.08	3.8	0.03	73	0.27	5.8
3	0.00	0.00	0.00	0.00	0.00	0.02	0.07	3.3	0.03	54	0.15	5.2
4	0.00	0.00	0.00	0.00	0.00	0.05	0.07	2.7	0.03	44	0.09	4.6
5	0.00	0.00	0.00	0.00	0.00	0.06	0.08	2.3	0.03	56	0.06	4.0
6	0.00	0.00	0.00	0.00	0.00	0.06	0.08	1.6	0.03	49	0.40	3.4
7	0.00	0.00	0.00	0.00	0.00	0.06	0.09	1.1	0.02	38	0.35	3.0
8	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.74	0.02	32	0.19	2.7
9	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.48	0.02	30	0.09	2.4
10	0.00	0.00	0.00	0.00	0.00	0.06	0.14	0.32	0.01	25	0.07	2.2
11	0.00	0.00	0.00	0.00	0.00	0.06	0.12	0.21	0.00	21	106	1.9
12	0.00	0.00	0.00	0.00	0.00	0.07	0.13	0.15	0.00	17	64	1.7
13	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.10	0.00	13	14	1.4
14	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.09	0.00	10	29	1.2
15	0.00	0.00	0.00	0.00	0.00	0.06	0.12	0.08	0.00	7.8	24	0.93
16	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.08	0.00	5.0	20	0.74
17	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.09	0.00	4.8	83	0.67
18	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.09	0.00	4.7	117	0.51
19	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.09	0.00	2.8	61	0.41
20	0.00	0.00	0.00	0.00	0.00	0.06	9.5	0.06	0.00	1.6	56	0.38
21	0.00	0.00	0.00	0.00	0.00	0.06	53	0.06	0.00	0.90	32	0.35
22	0.00	0.00	0.00	0.00	0.00	0.07	27	0.05	0.00	0.47	25	0.86
23	0.00	0.00	0.00	0.00	0.00	0.07	18	0.05	0.00	50	20	2.0
24	0.00	0.00	0.00	0.00	0.00	0.08	14	0.05	0.00	25	17	1.3
25	0.00	0.00	0.00	0.00	0.00	0.08	13	0.05	0.00	12	15	1.6
26	0.00	0.00	0.00	0.00	0.00	0.08	10	0.05	0.01	6.5	13	2.3
27	0.00	0.00	0.00	0.00	0.00	0.08	8.6	0.04	129	3.8	11	3.1
28	0.00	0.00	0.00	0.00	0.00	0.08	7.4	0.04	184	2.8	9.4	3.7
29	0.00	0.00	0.00	0.00	0.01	0.07	6.2	0.04	106	3.0	8.5	4.1
30	0.00	0.00	0.00	0.00	---	0.07	5.1	0.03	77	1.4	7.8	4.3
31	0.00	---	0.00	0.00	---	0.08	---	0.03	---	0.95	7.0	---
TOTAL	0.00	0.00	0.00	0.00	0.01	1.93	173.72	22.27	496.26	686.52	741.87	73.05
MEAN	0.00	0.00	0.00	0.00	0.00	0.06	5.79	0.72	16.5	22.1	23.9	2.44
MAX	0.00	0.00	0.00	0.00	0.01	0.08	53	4.4	184	91	117	6.3
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.47	0.06	0.35
AC-FT	0.00	0.00	0.00	0.00	0.02	3.8	345	44	984	1,360	1,470	145

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	6.36	2.97	2.64	3.66	5.60	9.43	15.0	43.3	49.9	13.8	4.47	9.00
MAX	130	28.6	13.7	17.2	21.4	27.6	83.8	295	362	79.4	25.9	78.5
(WY)	(1986)	(1999)	(1988)	(1988)	(1993)	(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)	(1981)	(2004)	(2003)	(1981)	(2003)	(1981)	(1981)	(1981)	(1980)

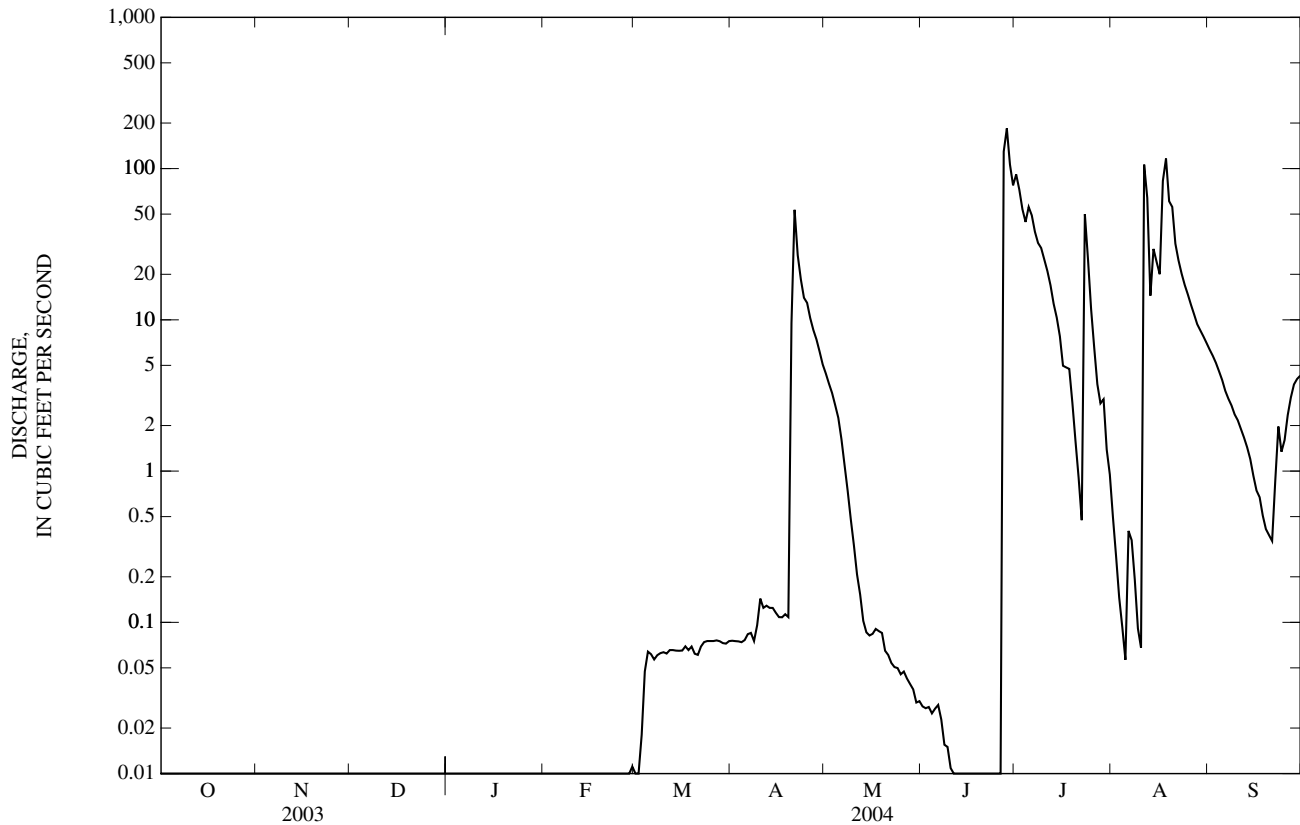
07234000 BEAVER RIVER AT BEAVER, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	3.82		2,195.63		a13.8	
ANNUAL MEAN	0.01		6.00		64.0	
HIGHEST ANNUAL MEAN					0.01	
LOWEST ANNUAL MEAN					3,880	
HIGHEST DAILY MEAN	0.16	Jun 29	184	Jun 28	0.00	May 31, 1980
LOWEST DAILY MEAN	0.00	Jan 1	0.00	several days	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1978
MAXIMUM PEAK FLOW			239	Jun 27	b5,510	Jun 10, 1983
MAXIMUM PEAK STAGE			5.75	Jun 27	c10.50	Jun 10, 1983
ANNUAL RUNOFF (AC-FT)	7.6		4,360		10,030	
10 PERCENT EXCEEDS	0.03		14		23	
50 PERCENT EXCEEDS	0.00		0.04		0.39	
90 PERCENT EXCEEDS	0.00		0.00		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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	14	21	41	44	60	65	157	43	170	40	34
2	23	15	24	43	42	57	66	152	42	103	38	39
3	22	16	24	44	43	65	81	150	41	123	36	36
4	22	15	25	45	45	140	83	151	41	105	35	34
5	21	14	25	e41	46	149	85	157	40	96	34	32
6	20	14	25	e36	44	137	85	155	56	141	35	31
7	19	15	26	e38	43	146	87	153	41	111	37	30
8	19	15	26	e45	43	128	89	150	38	141	37	29
9	20	15	27	e50	44	140	91	147	38	240	37	27
10	20	16	28	e52	44	238	109	146	39	215	36	26
11	19	16	27	53	44	245	98	142	37	114	61	25
12	18	16	27	53	75	245	98	141	35	94	47	25
13	19	16	24	53	148	244	99	129	33	85	41	24
14	19	20	25	55	162	242	150	107	32	80	42	23
15	18	18	33	74	171	239	252	93	31	76	47	23
16	18	17	33	113	177	238	264	88	30	67	42	22
17	18	17	32	84	177	237	217	84	31	63	41	22
18	17	16	33	170	125	189	115	81	51	60	40	21
19	18	16	32	170	84	116	98	74	42	58	45	21
20	17	16	32	177	76	100	100	69	62	54	41	20
21	16	16	32	179	68	89	90	65	82	51	43	20
22	15	16	32	117	67	84	98	62	86	49	45	22
23	15	17	34	66	64	81	157	58	66	48	45	34
24	15	18	33	58	60	79	306	57	63	48	43	27
25	14	19	33	54	58	77	223	54	57	46	41	24
26	14	20	33	51	58	74	187	52	53	46	38	23
27	15	20	31	45	57	76	167	52	51	45	36	23
28	16	21	31	48	55	73	151	51	50	44	34	23
29	15	21	32	46	69	70	142	49	49	43	33	23
30	15	21	34	44	---	67	142	46	55	43	40	22
31	14	---	34	44	---	66	---	44	---	43	36	---
TOTAL	556	506	908	2,189	2,233	4,191	3,995	3,116	1,415	2,702	1,246	785
MEAN	17.9	16.9	29.3	70.6	77.0	135	133	101	47.2	87.2	40.2	26.2
MAX	25	21	34	179	177	245	306	157	86	240	61	39
MIN	14	14	21	36	42	57	65	44	30	43	33	20
AC-FT	1,100	1,000	1,800	4,340	4,430	8,310	7,920	6,180	2,810	5,360	2,470	1,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	59.4	70.4	62.8	81.4	99.0	145	168	229	197	85.2	44.7	39.0
MAX	377	281	242	205	246	404	576	900	814	328	254	368
(WY)	(1986)	(1997)	(1997)	(1998)	(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

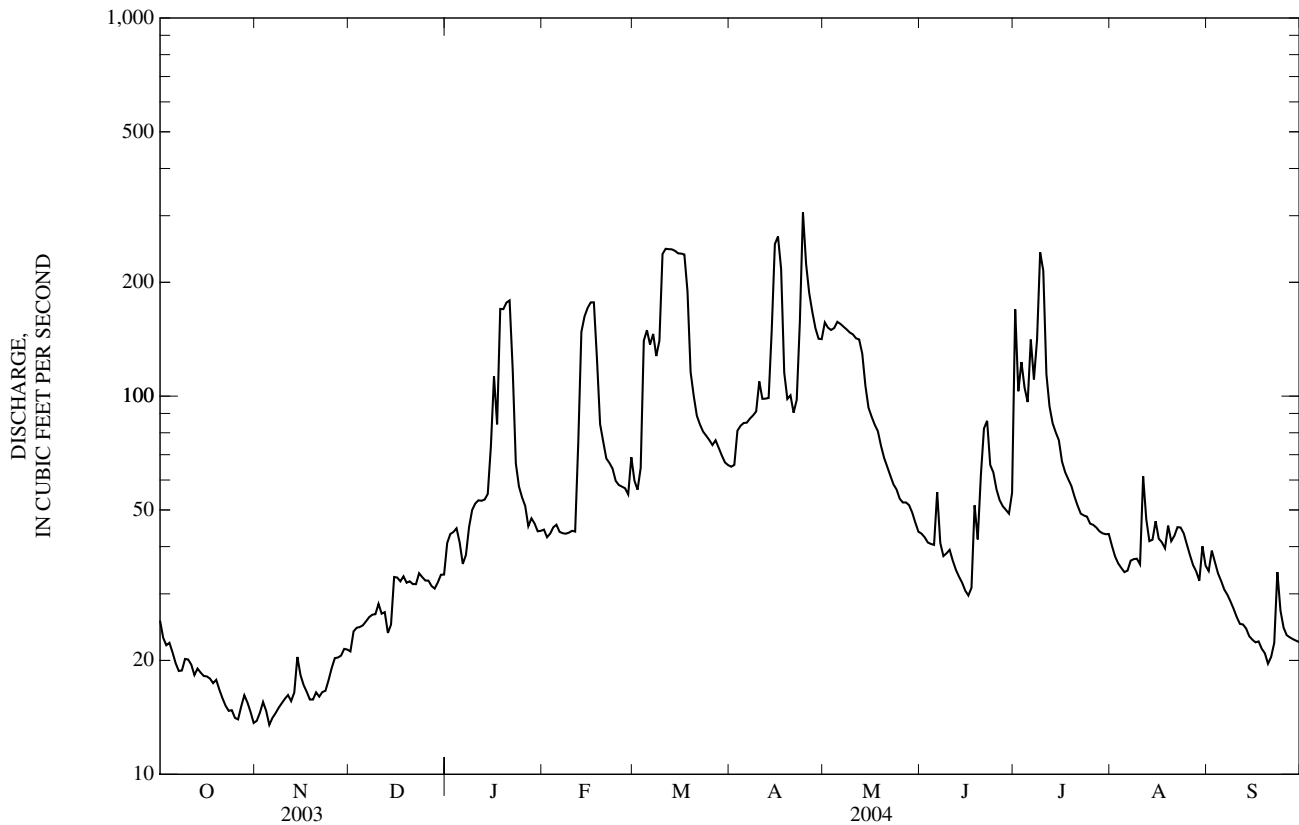
07237500 NORTH CANADIAN RIVER AT WOODWARD, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	25,560		23,842		a107	
ANNUAL MEAN	70.0		65.1		248	
HIGHEST ANNUAL MEAN					16.9	
LOWEST ANNUAL MEAN					2,950	
HIGHEST DAILY MEAN	230	Jun 21	306	Apr 24	0.00	May 23, 1989
LOWEST DAILY MEAN	13	Aug 19-26	14	several days	0.13	at times
ANNUAL SEVEN-DAY MINIMUM	13	Aug 19	15	Oct 31	0.13	Sep 9, 1984
MAXIMUM PEAK FLOW			390	Jul 1	b3,090	May 23, 1989
MAXIMUM PEAK STAGE			5.38	Jul 1	c10.72	May 23, 1989
ANNUAL RUNOFF (AC-FT)	50,700		47,290		77,320	
10 PERCENT EXCEEDS	134		150		248	
50 PERCENT EXCEEDS	56		44		60	
90 PERCENT EXCEEDS	16		18		7.3	

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 ¼ 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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	32	45	60	e85	146	122	169	54	264	55	67
2	50	33	45	63	e84	143	120	179	52	515	51	52
3	44	33	46	68	e88	128	118	176	50	252	46	47
4	41	34	47	69	e92	220	128	172	48	204	43	44
5	41	33	47	e66	e95	868	134	172	46	173	40	42
6	40	34	46	e63	e92	516	137	175	45	171	41	44
7	39	34	48	e60	e90	290	143	172	51	196	47	41
8	38	35	49	e62	e90	247	145	169	46	167	47	38
9	39	36	54	e65	97	218	149	166	46	167	48	36
10	38	38	53	67	94	207	211	162	47	236	49	34
11	39	41	e51	86	94	262	238	159	45	225	162	32
12	38	40	e48	83	e88	270	193	154	40	157	89	29
13	38	40	e49	81	e105	269	173	153	36	136	76	26
14	35	43	e60	81	172	269	167	151	34	123	67	24
15	34	47	62	82	181	269	188	136	32	112	65	23
16	34	48	62	97	186	265	260	122	31	105	70	23
17	33	48	63	163	192	265	271	113	37	97	67	22
18	34	46	62	161	194	264	246	107	48	90	60	21
19	33	43	59	217	168	237	173	102	55	83	57	19
20	33	42	59	198	139	185	155	93	79	77	112	18
21	32	41	58	191	126	164	151	87	328	71	85	18
22	31	42	61	189	119	152	147	83	226	67	68	20
23	31	41	65	149	115	147	148	78	175	63	64	27
24	31	39	66	113	110	142	177	73	133	64	58	38
25	29	40	66	103	107	140	280	70	107	66	53	40
26	30	43	64	96	104	137	242	72	94	66	48	37
27	31	44	63	e91	103	140	219	71	86	62	43	34
28	31	44	61	e88	102	178	198	67	87	59	38	33
29	31	44	58	e87	114	168	183	63	103	62	37	31
30	32	44	57	e86	---	145	175	62	131	62	42	30
31	31	---	57	e86	---	128	---	56	---	60	108	---
TOTAL	1,109	1,202	1,731	3,171	3,426	7,179	5,391	3,784	2,392	4,252	1,936	990
MEAN	35.8	40.1	55.8	102	118	232	180	122	79.7	137	62.5	33.0
MAX	50	48	66	217	194	868	280	179	328	515	162	67
MIN	29	32	45	60	84	128	118	56	31	59	37	18
AC-FT	2,200	2,380	3,430	6,290	6,800	14,240	10,690	7,510	4,740	8,430	3,840	1,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	101	122	107	127	152	224	251	353	286	124	66.7	76.2
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

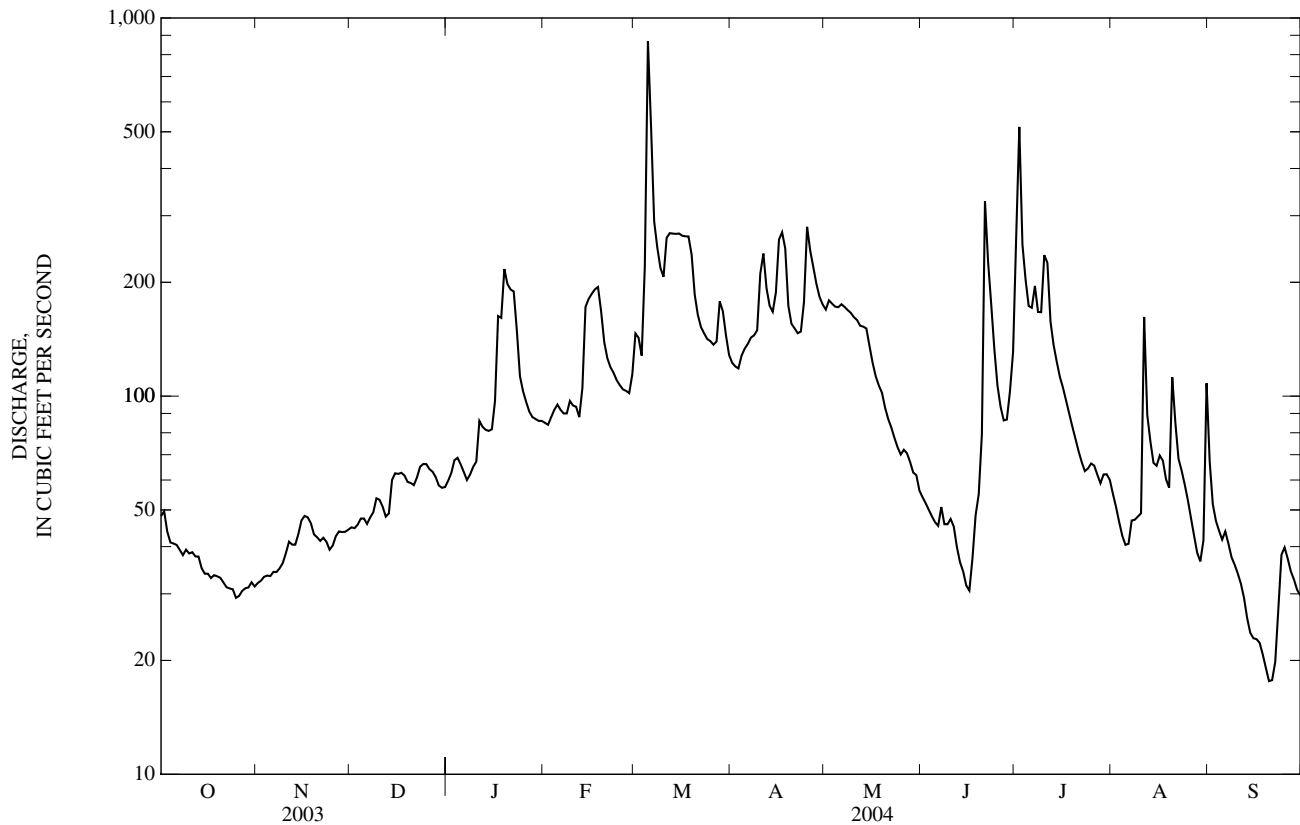
07238000 NORTH CANADIAN RIVER NEAR SEILING, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	42,026.8		36,563		a166	
ANNUAL MEAN	115		99.9		380	
HIGHEST ANNUAL MEAN					29.4	
LOWEST ANNUAL MEAN					5,430	
HIGHEST DAILY MEAN	2,130	May 16	868	Mar 5	1999	1981
LOWEST DAILY MEAN	8.1	Aug 26	18	Sep 20,21	at times	1997
ANNUAL SEVEN-DAY MINIMUM	9.0	Aug 20	20	Sep 16	0.00	at times
MAXIMUM PEAK FLOW			1,000	Mar 5	0.00	Sep 16, 1980
MAXIMUM PEAK STAGE			8.75	Mar 5	b7,200	Sep 23, 1997
ANNUAL RUNOFF (AC-FT)	83,360		72,520		c14.86	Sep 23, 1997
10 PERCENT EXCEEDS	206		195		120,100	
50 PERCENT EXCEEDS	94		67		369	
90 PERCENT EXCEEDS	20		34		94	
					13	

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 sea level (Oklahoma State Highway Department benchmark).

REMARKS.--Records good except for estimated periods which are fair. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	9.5	9.1	9.1	16	18	e290	375	e18	457	21	15
2	301	9.6	9.5	7.9	e14	17	e255	364	17	437	18	14
3	649	9.6	9.4	8.7	15	18	243	361	16	427	16	13
4	770	9.4	9.4	8.6	16	983	240	268	16	499	17	12
5	793	8.9	9.3	e6.5	17	722	237	182	17	541	17	12
6	794	8.8	e8.7	e5.0	16	195	235	137	101	566	16	11
7	795	8.9	9.8	e7.0	e12	99	e185	145	114	426	17	8.9
8	614	9.2	9.8	e9.1	e13	67	e145	139	237	226	16	8.9
9	439	9.3	10	e9.2	17	56	133	135	581	117	14	10
10	150	9.5	9.7	e9.5	17	53	211	133	e850	112	15	9.7
11	70	9.4	10	10	16	48	181	123	e630	138	23	8.9
12	50	9.0	e9.0	9.9	e13	44	154	139	e480	132	86	8.5
13	41	9.7	e8.0	9.9	e14	43	147	139	e470	129	270	7.9
14	34	11	e11	9.7	16	41	272	139	e250	124	179	7.4
15	29	10	16	9.4	15	39	349	137	e95	116	90	7.6
16	26	9.6	12	11	14	36	354	137	e55	117	46	6.1
17	23	9.7	11	26	14	36	581	136	e43	90	34	6.7
18	21	9.5	11	33	14	34	776	110	50	49	28	6.9
19	20	9.0	10	24	14	103	784	84	44	40	26	6.6
20	17	8.9	10	18	13	244	563	79	79	34	32	6.1
21	16	9.0	9.9	15	13	242	496	68	399	31	24	6.1
22	15	8.9	10	14	13	243	491	52	492	29	20	6.0
23	14	8.4	10	13	13	241	535	49	449	32	19	9.4
24	12	e8.5	10	13	13	224	663	48	663	36	17	14
25	11	8.9	10	14	12	218	e520	45	731	31	14	10
26	9.6	9.1	9.9	13	13	218	e510	e35	434	26	12	8.7
27	8.8	9.0	9.8	e10	13	321	e500	e30	232	25	14	8.0
28	9.6	8.9	9.0	e11	14	507	e496	e26	181	25	65	7.7
29	10	9.0	9.1	e12	16	385	491	e24	200	25	20	7.4
30	10	9.1	9.0	e9.0	---	e370	411	e22	187	24	15	7.3
31	9.9	---	8.9	e11	---	e373	---	e20	---	22	15	---
TOTAL	5,812.9	277.3	308.3	376.5	416	6,238	11,448	3,881	8,131	5,083	1,216	271.8
MEAN	188	9.24	9.95	12.1	14.3	201	382	125	271	164	39.2	9.06
MAX	795	11	16	33	17	983	784	375	850	566	270	15
MIN	8.8	8.4	8.0	5.0	12	17	133	20	16	22	12	6.0
AC-FT	11,530	550	612	747	825	12,370	22,710	7,700	16,130	10,080	2,410	539

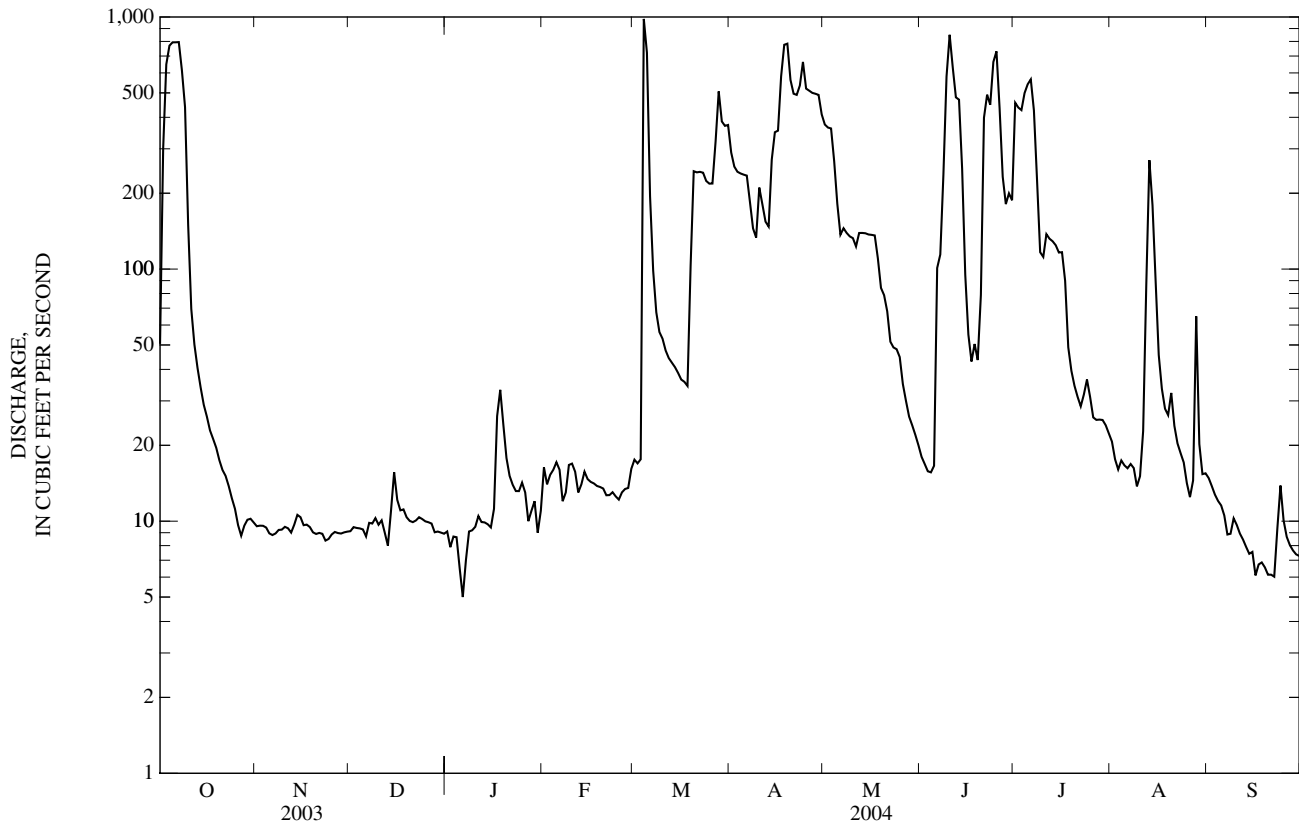
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	123	120	139	149	186	247	329	312	343	172	153	142
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	44,176.9		43,459.8		201	
ANNUAL MEAN	121		119		476	
HIGHEST ANNUAL MEAN					32.1	
LOWEST ANNUAL MEAN					5,170	
HIGHEST DAILY MEAN	893	May 23	983	Mar 4	2.5	Oct 3, 1986
LOWEST DAILY MEAN	2.5	Aug 21	5.0	Jan 6	2.8	Aug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 17	6.4	Sep 16	2.8	Aug 17, 2003
MAXIMUM PEAK FLOW			2,990	Mar 4	6,180	Oct 3, 1986
MAXIMUM PEAK STAGE			15.76	Mar 4	19.24	Oct 3, 1986
ANNUAL RUNOFF (AC-FT)	87,620		86,200		145,700	
10 PERCENT EXCEEDS	318		438		645	
50 PERCENT EXCEEDS	51		18		56	
90 PERCENT EXCEEDS	8.0		8.9		15	



07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK

LOCATION.--Lat 35°37'01", long 98°03'54", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	13	13	22	21	448	495	36	599	38	29
2	14	19	13	13	23	21	365	435	33	1,370	35	27
3	114	19	13	13	24	23	293	415	31	641	32	25
4	513	18	13	12	22	712	279	407	29	501	29	24
5	770	18	13	e10	24	e3,700	272	325	28	502	26	22
6	840	17	13	e9.5	24	4,180	268	225	27	619	26	23
7	884	17	13	e9.2	24	1,070	275	157	35	650	25	21
8	918	17	13	e10	23	473	232	161	83	463	26	19
9	817	17	14	12	22	263	182	152	120	261	25	18
10	635	17	14	13	21	192	167	146	374	146	24	17
11	227	17	14	14	22	159	221	142	738	121	39	17
12	116	17	14	14	22	136	217	133	565	132	38	16
13	85	17	e14	14	21	123	177	139	386	125	36	15
14	69	18	e13	14	20	113	168	145	376	120	136	14
15	59	18	16	13	21	106	250	144	244	115	142	14
16	51	18	16	14	21	99	373	139	110	108	89	14
17	46	22	17	23	20	93	388	135	77	106	62	14
18	42	19	16	83	20	89	591	134	67	99	49	13
19	38	17	15	60	19	85	912	122	71	73	43	12
20	35	16	14	45	19	85	952	95	79	62	42	11
21	33	15	14	34	18	203	711	86	107	55	42	9.7
22	31	15	14	28	18	217	600	80	1,320	51	40	9.4
23	29	15	14	25	19	217	588	68	1,080	48	36	13
24	27	14	14	23	19	215	685	61	543	48	33	13
25	25	14	14	23	18	207	825	60	704	52	30	11
26	23	14	14	22	18	198	626	60	798	49	28	12
27	22	14	14	e20	18	197	600	54	484	46	26	12
28	21	14	13	20	18	328	581	46	230	45	26	11
29	20	14	13	20	20	682	568	42	187	45	56	11
30	19	13	13	e18	---	492	567	40	319	43	48	10
31	19	---	12	19	---	461	---	39	---	40	36	---
TOTAL	6,555	499	430	660.7	600	15,160	13,381	4,882	9,281	7,335	1,363	477.1
MEAN	211	16.6	13.9	21.3	20.7	489	446	157	309	237	44.0	15.9
MAX	918	22	17	83	24	4,180	952	495	1,320	1,370	142	29
MIN	13	13	12	9.2	18	21	167	39	27	40	24	9.4
AC-FT	13,000	990	853	1,310	1,190	30,070	26,540	9,680	18,410	14,550	2,700	946

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

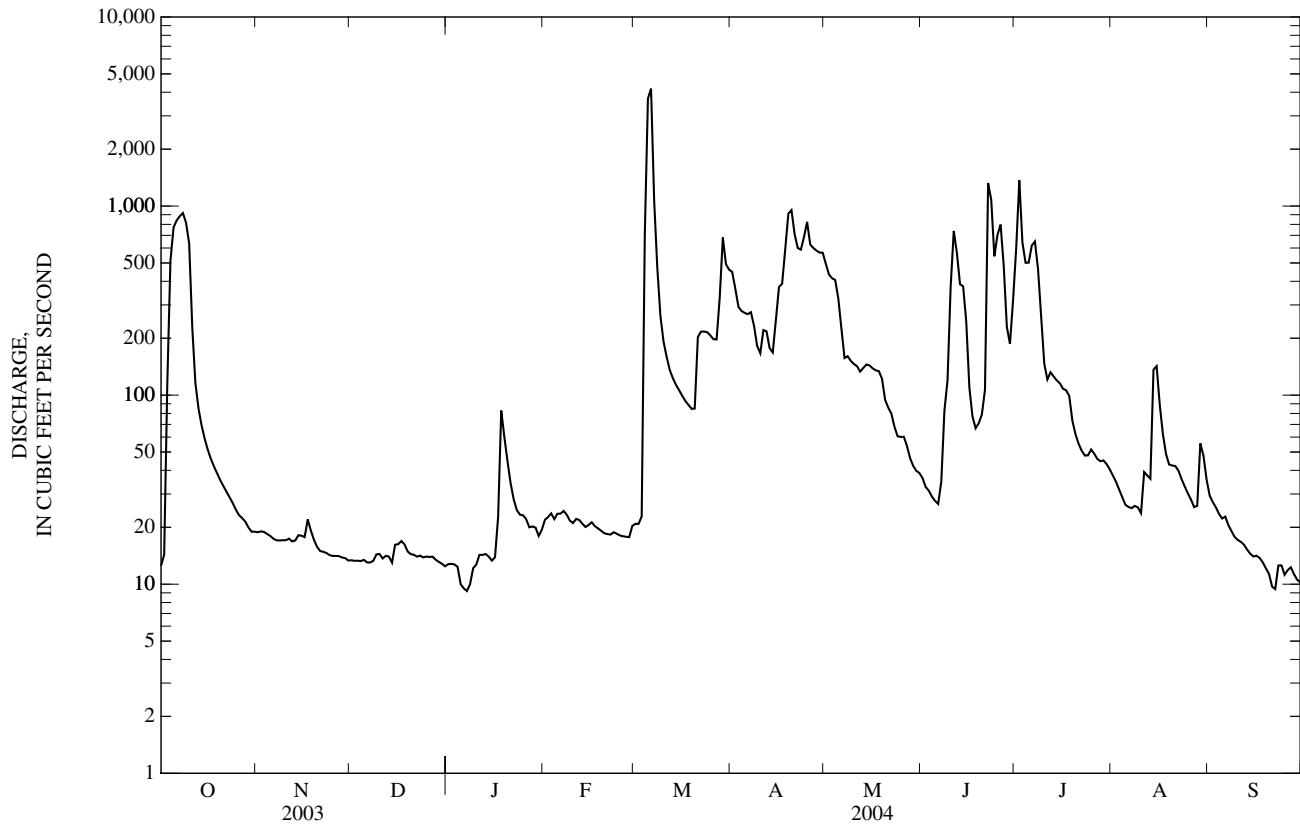
	155	163	192	183	235	349	419	506	507	200	170	175
MEAN	155	163	192	183	235	349	419	506	507	200	170	175
MAX	745	603	547	777	600	976	1,110	1,878	1,086	860	556	535
(WY)	(1997)	(1997)	(2000)	(1998)	(1994)	(1998)	(1997)	(1993)	(1997)	(1989)	(1995)	(1989)
MIN	18.4	16.6	13.9	21.3	20.7	26.2	32.6	24.7	86.5	15.2	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	50,111.6		60,623.8		271	
ANNUAL MEAN	137		166		635	
HIGHEST ANNUAL MEAN					62.9	
LOWEST ANNUAL MEAN					1997	
HIGHEST DAILY MEAN	1,020	May 24	4,180	Mar 6	8,430	May 10, 1993
LOWEST DAILY MEAN	3.3	Aug 24	9.2	Jan 7	3.3	Aug 24, 2003
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 22	11	Jan 3	3.5	Aug 22, 2003
MAXIMUM PEAK FLOW			5,070	Mar 6	9,310	May 10, 1993
MAXIMUM PEAK STAGE			a14.60	Mar 6	19.60	May 10, 1993
ANNUAL RUNOFF (AC-FT)	99,400		120,200		196,400	
10 PERCENT EXCEEDS	326		522		788	
50 PERCENT EXCEEDS	86		35		96	
90 PERCENT EXCEEDS	6.2		13		24	

a From high-water mark.



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, 1,770 microsiemens, July 25; minimum, 156 microsiemens, Mar. 5.

pH: Maximum, 9.0 units, Feb. 27, Mar. 1; minimum, 7.3 units, Jan. 18, 19, July 2.

WATER TEMPERATURE: Maximum 35.9°C, Aug. 4; minimum, -0.1°C, Jan. 5.

DISSOLVED OXYGEN: Maximum recorded (more than 20% missing record), 17.0 mg/L, Jan. 6; minimum recorded (more than 20% missing record), 3.4 mg/L, Sept. 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Depth at sample loca- tion, feet (81903)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
SEP												
30...	1610	1028	1028	.30	4.75	13	727	10.3	8.6	1,470	22.3	2.00
30...	1612	1028	1028	.30	4.75	13	727	10.4	8.6	1,470	22.5	4.00
30...	1614	1028	1028	.40	7.75	13	727	10.4	8.7	1,470	22.2	6.00
30...	1616	1028	1028	.50	4.75	13	727	10.4	8.7	1,480	22.0	8.00
30...	1618	1028	1028	.40	4.75	13	727	10.6	8.5	1,470	22.0	10.0
30...	1620	1028	1028	.50	4.75	13	727	10.5	8.5	1,470	21.9	12.0
30...	1622	1028	1028	.50	4.75	13	727	10.5	8.5	1,470	21.6	14.0
30...	1624	1028	1028	.70	4.75	13	727	10.5	8.5	1,470	21.6	16.0
30...	1628	1028	1028	.90	4.75	13	727	10.5	8.5	1,460	21.6	18.0
30...	1630	1028	1028	1.30	4.75	13	727	10.6	8.5	1,460	21.6	20.0
30...	1632	1028	1028	1.70	4.75	13	727	10.6	8.6	1,460	21.5	22.0
30...	1634	1028	1028	2.00	4.75	13	727	10.5	8.6	1,460	21.3	24.0
30...	1636	1028	1028	1.80	4.75	13	727	10.5	8.6	1,460	21.3	26.0
30...	1638	1028	1028	1.30	4.75	13	727	10.6	8.6	1,460	21.4	28.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	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)
OCT 08...	0730	1028	80020	8.41	915	75	728	1.8	8.4	96	8.2	1,460	19.1
NOV 04...	1200	1028	80020	4.96	18	<2.0	726	2.0	9.1	100	8.3	1,500	14.7
DEC 16...	0800	1028	80020	4.93	17	5.6	729	5.1	12.9	97	8.0	1,430	-2.7
JAN 20...	0800	1028	80020	5.33	47	45	727	8.9	13.7	106	7.5	761	-4.1
FEB 11...	1000	1028	80020	5.01	22	6.5	737	3.3	14.7	120	8.1	1,240	5.7
MAR 09...	0845	1028	80020	6.97	283	100	735	4.3	9.4	92	7.9	823	13.8
APR 06...	0930	1028	80020	6.62	275	54	724	4.5	9.1	98	7.9	1,500	18.0
MAY 11...	1130	1028	80020	6.00	142	17	725	1.6	9.1	113	8.4	1,490	27.5
JUN 15...	1030	1028	80020	6.85	257	65	730	4.8	8.0	106	7.9	1,510	30.5
JUL 06...	1130	1028	80020	7.95	597	76	731	3.8	7.6	99	7.9	1,360	24.4
AUG 17...	1300	1028	80020	5.47	62	24	732	1.2	8.0	102	8.4	1,370	32.0
SEP 08...	0830	1028	80020	4.89	19	<2.0	730	2.7	8.0	90	8.2	1,550	27.5
22...	1400	1028	80020	4.70	9.8	--	730	--	9.2	112	8.3	1,640	29.0

Noncarb	ANC, $\mu\text{mol/L}$	Alkaline phosphatase, U/L
1	10	100
2	10	100
3	10	100
4	10	100
5	10	100
6	10	100
7	10	100
8	10	100
9	10	100
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99	10	100
100	10	100

[illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible][illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible][illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,530	1,510	1,520	---	---	---	1,560	1,520	1,540	1,480	1,440	1,460
2	1,510	1,490	1,500	---	---	---	1,550	1,530	1,540	1,480	1,460	1,460
3	1,570	1,460	1,510	---	---	---	1,560	1,520	1,540	1,490	1,470	1,480
4	1,570	1,330	1,510	---	---	---	1,560	1,520	1,540	1,510	1,480	1,490
5	1,540	1,400	1,470	1,510	1,490	1,500	1,560	1,530	1,540	1,550	1,500	1,520
6	1,540	1,490	1,510	1,520	1,500	1,510	1,560	1,520	1,540	1,700	1,550	1,620
7	---	---	---	1,510	1,500	1,510	1,550	1,510	1,530	1,700	1,590	1,630
8	1,510	1,420	1,460	1,500	1,490	1,500	1,530	1,490	1,510	1,660	1,550	1,590
9	1,430	1,350	1,400	1,500	1,490	1,500	1,520	1,460	1,490	1,600	1,580	1,590
10	1,370	1,050	1,180	1,500	1,480	1,490	1,510	1,480	1,490	1,610	1,560	1,590
11	1,230	929	1,080	1,480	1,470	1,480	1,530	1,490	1,510	1,570	1,530	1,550
12	1,430	1,230	1,360	1,480	1,470	1,470	1,560	1,410	1,490	1,530	1,490	1,510
13	1,450	1,400	1,430	1,480	1,420	1,450	1,420	1,380	1,400	1,500	1,450	1,480
14	1,490	1,450	1,470	1,430	1,400	1,410	1,440	1,380	1,410	1,510	1,450	1,480
15	1,540	1,490	1,520	1,410	1,400	1,400	1,450	1,400	1,430	1,480	1,440	1,460
16	1,570	1,540	1,560	1,410	1,380	1,400	1,440	1,380	1,410	1,450	1,390	1,430
17	1,590	1,570	1,580	1,400	1,150	1,250	1,400	1,360	1,380	1,390	1,220	1,270
18	1,610	1,590	1,600	1,330	1,210	1,290	1,400	1,350	1,380	1,280	631	928
19	1,620	1,600	1,610	1,380	1,330	1,350	1,430	1,390	1,410	694	584	625
20	1,620	1,610	1,620	1,400	1,380	1,390	1,410	1,360	1,390	824	694	761
21	1,620	1,610	1,610	1,420	1,380	1,410	1,390	1,350	1,370	959	824	911
22	1,620	1,600	1,610	1,430	1,420	1,420	1,390	1,370	1,380	982	910	970
23	1,630	1,610	1,620	1,490	1,430	1,460	1,410	1,380	1,390	1,090	935	1,030
24	1,710	1,620	1,630	1,510	1,480	1,500	1,420	1,380	1,400	1,160	1,090	1,130
25	1,710	1,540	1,640	1,520	1,500	1,510	1,420	1,400	1,410	1,180	1,160	1,180
26	1,660	1,650	1,650	1,520	1,500	1,510	1,420	1,390	1,410	1,230	1,180	1,210
27	1,660	1,640	1,650	1,530	1,510	1,520	1,410	1,370	1,400	---	---	---
28	---	---	---	1,550	1,520	1,540	1,440	1,410	1,430	---	---	---
29	---	---	---	1,560	1,530	1,540	1,460	1,430	1,440	---	---	---
30	---	---	---	1,560	1,520	1,540	1,460	1,430	1,450	---	---	---
31	---	---	---	---	---	---	1,480	1,450	1,470	---	---	---
MONTH	1,710	929	1,510	1,560	1,150	1,460	1,560	1,350	1,450	1,700	584	1,320
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	1,360	1,280	1,310	1,440	1,420	1,430	1,530	1,510	1,520
2	1,320	1,240	1,280	1,360	1,280	1,330	1,440	1,430	1,440	1,530	1,510	1,520
3	1,320	1,270	1,290	1,300	1,270	1,290	1,460	1,440	1,450	1,540	1,510	1,530
4	1,350	1,290	1,320	1,290	182	815	1,490	1,460	1,470	1,560	1,540	1,550
5	1,300	1,240	1,270	193	156	167	1,500	1,480	1,490	1,540	1,520	1,530
6	1,270	1,220	1,250	245	181	203	1,520	1,470	1,500	1,530	1,520	1,520
7	1,300	1,190	1,230	432	245	329	1,490	1,450	1,470	1,530	1,500	1,520
8	1,260	1,200	1,230	734	432	581	1,460	1,450	1,460	1,520	1,500	1,510
9	---	---	---	971	734	849	1,470	1,380	1,430	1,530	1,510	1,520
10	---	---	---	1,150	971	1,070	1,420	1,380	1,400	1,520	1,490	1,510
11	---	---	---	1,320	1,110	1,230	1,440	1,150	1,400	1,560	1,480	1,520
12	1,240	1,200	1,210	1,420	1,320	1,370	1,210	1,050	1,120	1,620	1,550	1,600
13	1,260	1,200	1,220	1,490	1,420	1,460	1,400	1,130	1,280	1,650	1,620	1,630
14	1,230	1,200	1,220	1,540	1,490	1,520	1,470	1,400	1,440	1,630	1,610	1,620
15	1,250	1,210	1,230	1,540	1,540	1,540	1,500	1,470	1,490	1,630	1,580	1,610
16	1,250	1,220	1,230	1,560	1,540	1,550	1,530	1,490	1,510	1,610	1,590	1,600
17	1,270	1,240	1,250	1,560	1,560	1,560	1,550	1,530	1,540	1,600	1,540	1,580
18	1,250	1,230	1,240	1,570	1,550	1,560	1,580	1,540	1,560	1,540	1,490	1,520
19	1,260	1,230	1,260	1,560	1,530	1,540	1,570	1,540	1,550	1,530	1,480	1,510
20	1,290	1,260	1,280	1,550	1,520	1,540	1,580	1,550	1,560	1,550	1,490	1,530
21	1,300	1,290	1,290	1,560	1,430	1,500	1,580	1,520	1,540	1,570	1,550	1,560
22	1,310	1,300	1,300	1,500	1,490	1,490	1,530	1,530	1,530	1,580	1,560	1,570
23	1,310	1,260	1,280	1,490	1,480	1,490	1,530	1,520	1,520	1,610	1,570	1,580
24	1,300	1,260	1,280	1,490	1,480	1,480	1,520	1,390	1,470	1,610	1,580	1,600
25	1,320	1,300	1,310	1,500	1,480	1,490	1,480	996	1,230	1,600	1,570	1,590
26	1,330	1,300	1,310	1,500	1,500	1,500	1,470	1,350	1,430	1,570	1,460	1,520
27	1,330	1,300	1,310	1,500	1,490	1,500	1,500	1,470	1,490	---	---	---
28	1,330	1,310	1,320	1,490	1,380	1,410	1,520	1,500	1,520	---	---	---
29	1,330	1,260	1,290	1,390	1,010	1,160	1,540	1,520	1,530	---	---	---
30	---	---	---	1,370	1,080	1,260	1,540	1,520	1,530	---	---	---
31	---	---	---	1,420	1,370	1,400	---	---	---	---	---	---
MONTH	1,350	1,190	1,270	1,570	156	1,240	1,580	996	1,460	1,650	1,460	1,550

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	633	349	532	---	---	---	1,100	811	956
2	1,470	1,450	1,460	425	198	357	---	---	---	1,250	1,100	1,180
3	1,500	1,450	1,470	961	425	683	---	---	---	---	---	---
4	1,530	1,500	1,520	1,180	961	1,090	---	---	---	---	---	---
5	1,550	1,470	1,530	1,330	1,180	1,260	---	---	---	---	---	---
6	---	---	---	1,370	1,210	1,320	1,620	1,600	1,610	---	---	---
7	---	---	---	1,340	1,230	1,310	1,620	1,600	1,610	---	---	---
8	---	---	---	1,360	1,300	1,330	1,630	1,540	1,590	---	---	---
9	---	---	---	1,380	1,320	1,350	1,580	1,460	1,530	1,560	1,540	1,550
10	---	---	---	1,320	1,280	1,300	1,600	1,580	1,590	1,580	1,540	1,570
11	---	---	---	1,350	1,290	1,320	1,590	939	1,230	1,590	1,560	1,570
12	---	---	---	1,390	1,350	1,380	1,180	1,010	1,130	1,570	1,550	1,560
13	---	---	---	1,390	1,370	1,380	1,340	1,130	1,300	1,590	1,560	1,580
14	---	---	---	---	---	---	1,370	1,230	1,320	1,590	1,580	1,590
15	---	---	---	---	---	---	1,370	1,310	1,350	1,590	1,560	1,580
16	1,500	1,460	1,490	1,380	1,370	1,380	1,360	1,340	1,350	1,590	1,530	1,560
17	1,500	1,460	1,480	1,400	1,380	1,390	1,380	1,340	1,360	1,580	1,540	1,560
18	1,500	1,420	1,450	1,410	1,400	1,400	1,350	1,330	1,340	---	---	---
19	1,450	1,120	1,350	1,430	1,400	1,410	1,360	1,280	1,340	---	---	---
20	1,280	908	1,160	1,510	1,420	1,460	1,330	1,300	1,320	---	---	---
21	971	704	836	1,600	1,510	1,550	1,350	1,290	1,330	---	---	---
22	917	348	498	1,660	1,590	1,630	1,380	1,340	1,360	---	---	---
23	463	365	402	1,720	1,650	1,690	1,360	1,200	1,250	---	---	---
24	1,170	449	747	1,760	1,650	1,720	1,390	1,210	1,320	---	---	---
25	1,340	1,170	1,280	1,770	1,640	1,710	1,440	1,390	1,420	---	---	---
26	1,370	1,330	1,350	1,700	1,640	1,660	1,500	1,420	1,460	---	---	---
27	1,380	1,340	1,360	1,640	1,590	1,600	1,540	841	1,350	---	---	---
28	1,350	1,300	1,330	1,620	1,550	1,600	1,490	1,420	1,460	---	---	---
29	1,340	1,200	1,290	---	---	---	1,520	820	1,280	---	---	---
30	1,210	524	873	---	---	---	820	530	638	---	---	---
31	---	---	---	---	---	---	824	544	681	---	---	---
MONTH	1,550	348	1,200	1,770	198	1,340	1,630	530	1,330	1,590	811	1,480

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.5	8.0	8.2	8.6	8.5	8.6	8.2	8.1	8.1	8.0	7.8	7.9
2	8.5	8.1	8.3	8.5	8.3	8.4	8.3	8.0	8.2	8.0	7.8	7.9
3	8.3	8.0	8.1	8.4	8.0	8.2	8.3	8.1	8.2	7.9	7.7	7.8
4	8.1	8.0	8.1	8.4	8.1	8.3	8.3	8.1	8.2	7.9	7.7	7.8
5	8.2	8.1	8.1	8.5	8.3	8.4	8.2	8.0	8.1	7.9	7.8	7.8
6	8.2	8.1	8.1	8.4	8.3	8.4	8.2	8.1	8.1	7.8	7.6	7.7
7	---	---	---	8.4	8.3	8.4	8.2	8.1	8.1	7.8	7.6	7.7
8	8.6	8.1	8.5	8.4	8.3	8.4	8.2	7.9	8.0	7.8	7.7	7.8
9	8.5	8.4	8.4	8.4	8.2	8.3	8.1	7.9	8.0	7.8	7.8	7.8
10	8.4	8.2	8.2	8.3	8.1	8.2	8.1	8.0	8.1	7.8	7.8	7.8
11	8.2	8.1	8.1	8.2	8.0	8.1	8.1	8.0	8.1	7.9	7.8	7.8
12	8.4	8.2	8.3	8.2	7.9	8.1	---	---	---	7.9	7.8	7.8
13	8.4	8.3	8.4	8.1	8.0	8.1	---	---	---	7.9	7.7	7.8
14	8.5	8.3	8.4	8.1	7.9	8.0	8.1	8.0	8.0	7.9	7.7	7.8
15	8.4	8.3	8.4	8.1	7.9	8.0	8.2	8.0	8.0	7.9	7.7	7.8
16	8.3	8.3	8.3	8.1	7.9	8.0	8.1	8.0	8.0	7.8	7.6	7.7
17	8.3	8.3	8.3	8.0	7.8	7.9	8.1	7.9	8.0	7.7	7.5	7.6
18	8.3	8.1	8.2	8.1	7.8	8.0	8.2	7.9	8.0	7.7	7.3	7.5
19	8.2	8.1	8.2	8.0	7.9	8.0	8.1	8.0	8.0	7.5	7.3	7.5
20	8.2	8.0	8.1	8.0	7.9	8.0	8.1	7.9	8.0	7.8	7.4	7.7
21	8.1	8.0	8.0	8.0	7.9	8.0	8.3	7.9	8.0	8.0	7.8	7.8
22	8.0	7.9	8.0	8.1	7.9	8.0	8.0	7.8	7.9	8.0	7.9	8.0
23	7.9	7.8	7.9	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0
24	8.0	7.8	7.9	8.1	8.0	8.0	8.0	7.8	7.9	8.2	7.9	8.0
25	8.0	7.8	7.9	8.1	8.0	8.1	8.0	7.8	7.9	8.3	7.9	8.1
26	8.0	7.8	7.9	8.1	8.0	8.0	8.2	7.8	7.9	8.2	8.0	8.1
27	7.9	7.7	7.8	8.2	8.0	8.1	8.1	7.8	8.0	8.2	8.0	8.1
28	8.7	7.7	7.8	8.2	8.1	8.1	8.0	7.8	7.9	8.1	8.0	8.0
29	8.7	8.4	8.6	8.2	8.1	8.1	8.0	7.8	7.9	8.1	8.0	8.0
30	8.7	8.5	8.5	8.2	8.1	8.1	8.0	7.8	7.9	8.0	7.9	8.0
31	8.7	8.5	8.6	---	---	---	8.0	7.8	7.9	8.0	8.0	8.0
MAX	8.7	8.5	8.6	8.6	8.5	8.6	8.3	8.1	8.2	8.3	8.0	8.1
MIN	7.9	7.7	7.8	8.0	7.8	7.9	8.0	7.8	7.9	7.5	7.3	7.5
FEBRUARY			MARCH			APRIL			MAY			
1	8.1	8.0	8.0	9.0	8.6	8.7	8.2	8.0	8.1	8.5	8.5	8.5
2	8.1	8.0	8.0	8.8	8.6	8.7	8.1	8.0	8.0	8.5	8.5	8.5
3	8.1	8.0	8.0	8.8	8.5	8.6	8.1	8.0	8.0	8.6	8.5	8.5
4	8.1	8.0	8.0	8.6	8.1	8.5	8.1	8.0	8.1	8.6	8.5	8.6
5	8.1	8.0	8.0	---	---	---	8.1	7.9	8.0	8.8	8.6	8.7
6	8.2	8.0	8.1	---	---	---	8.1	7.9	8.0	8.8	8.5	8.7
7	8.2	8.0	8.1	---	---	---	8.1	8.0	8.0	8.6	8.4	8.5
8	8.2	8.0	8.1	---	---	---	8.0	8.0	8.0	8.5	8.1	8.3
9	8.3	8.0	8.1	---	---	---	8.0	7.9	8.0	8.5	7.9	8.3
10	8.3	8.0	8.2	8.0	7.9	8.0	8.1	7.9	8.0	8.4	7.9	8.2
11	8.6	8.0	8.3	8.1	8.0	8.0	8.1	7.9	8.0	8.5	8.2	8.4
12	8.5	8.3	8.4	8.1	8.0	8.1	7.9	7.8	7.9	8.5	8.4	8.5
13	8.4	8.3	8.4	8.2	8.1	8.1	8.0	7.9	8.0	8.5	8.4	8.4
14	8.4	8.2	8.3	8.2	8.1	8.1	8.0	8.0	8.0	8.6	8.5	8.5
15	8.4	8.2	8.3	8.2	8.1	8.2	8.0	7.9	8.0	8.5	8.5	8.5
16	8.4	8.2	8.3	8.2	8.2	8.2	8.0	7.9	7.9	8.5	8.3	8.4
17	8.4	8.2	8.3	8.2	8.2	8.2	8.0	7.9	8.0	8.3	8.3	8.3
18	8.4	8.2	8.3	8.2	8.1	8.2	8.0	7.8	7.9	8.3	8.1	8.2
19	8.3	8.1	8.3	8.2	8.1	8.1	7.8	7.8	7.8	8.1	8.0	8.0
20	8.4	8.1	8.2	8.3	8.1	8.2	7.8	7.8	7.8	8.3	7.8	8.0
21	8.3	8.1	8.2	8.4	8.2	8.3	8.3	7.8	8.0	8.3	8.2	8.3
22	8.3	8.0	8.2	8.3	8.2	8.2	8.4	8.3	8.3	8.3	8.2	8.3
23	8.7	7.9	8.5	8.4	8.2	8.3	8.4	8.4	8.4	8.4	8.2	8.3
24	8.7	8.4	8.6	8.3	8.2	8.3	8.4	8.3	8.4	8.4	8.3	8.3
25	8.8	8.6	8.7	8.3	8.2	8.2	8.3	8.2	8.3	8.4	8.2	8.3
26	8.8	8.7	8.7	8.3	8.2	8.2	8.5	8.3	8.4	8.4	8.2	8.3
27	9.0	8.6	8.7	8.3	8.1	8.2	8.5	8.4	8.5	8.4	8.2	8.2
28	8.8	8.6	8.7	8.2	7.8	8.1	8.5	8.4	8.5	8.4	8.3	8.3
29	8.9	8.5	8.7	7.8	7.7	7.7	8.5	8.5	8.5	8.5	8.3	8.4
30	---	---	---	8.0	7.7	7.9	8.5	8.5	8.5	---	---	---
31	---	---	---	8.1	8.0	8.1	---	---	---	---	---	---
MAX	9.0	8.7	8.7	9.0	8.6	8.7	8.5	8.5	8.5	8.8	8.6	8.7
MIN	8.1	7.9	8.0	7.8	7.7	7.7	7.8	7.8	7.8	8.1	7.8	8.0

ARKANSAS RIVER BASIN

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	7.7	7.4	7.6	8.4	8.2	8.3	8.4	7.8	7.9
2	8.5	8.3	8.3	7.4	7.3	7.4	8.4	8.2	8.3	8.4	8.0	8.3
3	8.4	8.2	8.3	7.7	7.4	7.5	8.4	8.1	8.2	8.4	8.2	8.3
4	8.4	8.2	8.3	7.9	7.7	7.8	8.1	7.9	8.0	8.3	8.1	8.2
5	8.3	8.0	8.2	8.0	7.9	7.9	8.2	7.8	8.1	8.3	8.1	8.2
6	8.3	8.0	8.1	8.1	7.9	8.0	8.1	8.0	8.1	8.4	8.1	8.2
7	8.1	7.9	8.1	8.1	7.9	8.0	8.2	8.0	8.1	8.4	8.1	8.3
8	8.2	8.0	8.1	8.2	8.0	8.1	8.3	8.0	8.2	8.6	8.2	8.5
9	8.1	7.9	8.0	8.3	8.1	8.2	8.3	8.1	8.2	8.6	8.4	8.5
10	7.9	7.8	7.8	8.3	8.1	8.2	8.2	8.0	8.1	8.5	8.3	8.4
11	7.8	7.7	7.8	8.2	8.1	8.2	8.3	8.0	8.1	8.5	8.3	8.4
12	7.9	7.7	7.8	8.2	8.0	8.1	8.6	8.0	8.3	8.5	8.2	8.4
13	8.0	7.8	7.9	8.3	8.1	8.2	8.5	8.2	8.3	8.5	8.2	8.4
14	7.9	7.8	7.9	8.3	8.1	8.2	8.6	8.0	8.4	8.4	8.1	8.3
15	8.0	7.8	8.0	---	---	---	8.4	7.9	8.1	8.3	8.1	8.2
16	8.0	7.9	8.0	8.3	8.0	8.2	8.5	8.2	8.4	8.3	8.0	8.2
17	8.0	7.9	8.0	8.3	8.0	8.2	8.6	8.1	8.4	8.3	8.0	8.1
18	8.1	7.9	8.0	8.3	7.9	8.1	8.5	8.3	8.4	8.2	7.8	8.0
19	8.3	8.0	8.0	8.2	7.9	8.1	8.6	8.2	8.4	8.2	7.9	8.1
20	8.4	8.1	8.2	8.3	7.9	8.2	8.6	8.2	8.4	8.3	8.0	8.2
21	8.3	7.7	8.2	8.3	8.0	8.2	8.5	8.3	8.5	8.4	8.0	8.2
22	7.7	7.4	7.4	8.3	8.1	8.2	8.5	8.2	8.3	8.4	8.0	8.3
23	7.4	7.4	7.4	8.2	8.1	8.2	8.4	8.2	8.3	8.5	8.0	8.2
24	7.8	7.4	7.6	8.3	8.0	8.2	8.4	8.1	8.3	8.6	8.1	8.4
25	8.0	7.8	7.9	8.5	8.2	8.3	8.4	8.1	8.2	8.6	8.1	8.4
26	8.0	7.9	8.0	8.3	8.2	8.3	8.3	8.1	8.2	8.5	8.1	8.3
27	8.1	8.0	8.1	8.3	8.1	8.2	8.3	8.1	8.2	8.6	8.1	8.4
28	8.1	8.0	8.0	8.3	8.1	8.2	8.4	8.1	8.3	8.6	8.2	8.4
29	8.1	8.0	8.1	8.4	8.1	8.3	8.6	8.0	8.2	8.5	8.2	8.4
30	8.1	7.6	7.8	8.4	8.2	8.3	8.0	7.6	7.6	8.7	8.2	8.4
31	---	---	---	8.4	8.2	8.3	8.0	7.7	7.8	---	---	---
MAX	8.5	8.3	8.3	8.5	8.2	8.3	8.6	8.3	8.5	8.7	8.4	8.5
MIN	7.4	7.4	7.4	7.4	7.3	7.4	8.0	7.6	7.6	8.2	7.8	7.9

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.2	12.3	13.8	13.3	11.0	12.0	9.9	4.7	7.1	12.7	6.6	9.5
2	17.5	13.4	15.2	19.4	12.5	16.2	8.4	6.7	7.3	14.2	7.8	10.8
3	19.3	13.3	16.3	22.6	17.9	19.8	10.2	5.5	7.5	12.3	8.0	9.8
4	18.2	17.4	17.8	19.3	12.2	17.0	9.2	3.4	6.1	8.5	2.2	5.5
5	18.3	16.8	17.5	12.2	8.2	10	6.5	2.2	4.2	3.0	-0.1	0.8
6	19.3	17.9	18.5	8.2	5.5	6.9	6.0	0.2	3.1	0.7	0.0	0.2
7	19.9	18.2	19.0	9.7	5.1	7.3	8.3	1.9	4.9	0.6	0.0	0.2
8	20.0	19.0	19.6	9.7	8.5	9.1	11.3	5.3	8.1	2.9	0.1	1.0
9	21.6	19.8	20.5	10.4	8.5	9.5	10.5	2.2	6.3	5.2	0.0	2.0
10	21.8	20.3	21.1	13.5	9.6	11.4	5.4	0.1	2.4	6.5	0.0	2.8
11	21.4	19.3	20.5	16.8	13.1	14.8	5.2	0.0	2.3	8.7	1.5	5.0
12	20.9	16.5	18.7	15.5	11.4	14.1	2.2	0.0	0.5	9.2	4.1	6.7
13	22.1	17.2	19.3	11.4	8.8	9.8	2.9	0.0	1.1	11.9	7.2	9.1
14	20.5	15.6	18.0	9.1	7.8	8.4	5.1	0.0	2.3	12.2	6.5	9.0
15	19.6	14.3	16.8	11.8	7.6	9.5	7.3	2.6	4.8	10.1	5.1	8.0
16	21.5	14.5	17.7	14.0	6.7	10.4	6.0	1.7	3.7	10.8	9.2	9.9
17	19.4	14.2	16.8	16.6	11.8	14.4	6.3	0.5	3.3	10.4	6.4	9.0
18	20.9	13.6	17.0	14.7	10.1	12.6	7.4	2.2	4.5	7.1	4.3	5.7
19	22.8	15.3	18.8	14.2	7.4	10.7	6.9	1.4	4.0	5.3	1.6	3.4
20	23.7	16.5	19.9	14.7	8.3	11.4	7.9	1.5	4.5	5.5	1.8	3.5
21	23.7	16.8	20.1	13.9	8.5	11.0	9.6	3.4	6.5	8.5	3.7	5.6
22	23.5	16.7	20.0	11.9	8.0	10.1	8.5	6.4	7.8	8.4	3.2	5.6
23	23.6	16.4	19.8	9.9	3.7	6.3	8.4	3.3	5.7	9.9	2.3	6.0
24	23.2	16.7	19.5	6.8	0.8	3.6	8.0	2.3	5.1	11.4	7.1	9.2
25	18.2	12.3	14.3	7.0	1.9	4.4	8.4	2.5	5.3	14.3	9.9	11.6
26	16.1	9.5	12.6	10.5	3.3	6.6	11.3	5.2	8.1	10.6	0.8	5.5
27	17.3	9.9	13.6	7.9	4.2	5.9	14.5	9.8	12.2	4.4	0.0	1.4
28	15.3	12.1	13.8	7.8	1.7	4.5	9.8	5.6	7.6	7.3	0.0	3.2
29	17.9	10.0	13.8	8.9	2.0	5.2	7.6	2.2	4.8	4.3	0.0	1.7
30	18.8	13.4	15.8	10.1	3.4	6.6	7.4	1.6	4.2	2.5	0.0	0.6
31	14.6	11.5	12.6	---	---	---	8.6	2.5	5.3	3.7	0.0	1.6
MONTH	23.7	9.5	17.4	22.6	0.8	10.0	14.5	0.0	5.2	14.3	-0.1	5.3
FEBRUARY			MARCH			APRIL			MAY			
1	4.9	1.5	3.7	15.5	6.5	10.7	18.3	14.8	16.6	17.8	15.4	16.6
2	5.5	0.0	2.2	11.2	6.7	9.3	19.3	15.5	17.4	19.4	15.1	17.2
3	6.0	0.0	2.9	9.8	8.6	9.2	19.6	15.9	17.7	20.2	16.4	18.3
4	4.4	2.1	2.8	9.6	7.7	8.5	19.0	15.3	17.2	21.8	17.7	19.6
5	3.9	2.1	2.8	8.7	7.3	7.9	18.4	16.0	17.1	24.0	18.9	21.4
6	4.3	1.0	2.4	10.5	7.8	9.1	18.2	15.8	16.9	26.2	20.6	23.2
7	5.7	0.0	2.1	11.7	9.5	10.6	18.5	16.1	17.1	25.4	21.5	23.6
8	6.5	0.0	2.9	13.1	9.5	11.3	19.4	15.7	17.5	26.9	21.2	23.9
9	8.6	3.7	5.5	14.0	11.1	12.5	20.7	16.3	18.1	26.1	21.4	23.6
10	9.2	1.9	5.6	13.9	10.6	12.3	18.3	12.4	15.0	26.1	21.5	23.6
11	7.8	4.0	5.6	14.4	11.2	12.6	14.1	10.3	12.3	26.4	21.9	24.0
12	6.0	0.0	3.0	13.5	11.7	12.6	15.3	11.6	13.2	27.2	22.2	24.3
13	4.1	0.0	2.0	12.5	11.3	11.6	16.7	10.8	13.6	24.9	17.9	22.3
14	7.2	2.0	4.0	15.4	11.1	12.8	18.8	12.5	15.4	20.6	15.1	17.6
15	7.5	1.7	4.1	14.9	12.3	13.2	20.0	14.5	17.2	23.2	16.1	19.5
16	10.1	1.8	5.7	15.4	10.8	12.9	22.6	17.8	20.0	24.7	19.2	21.8
17	11.4	3.2	7.1	18.5	11.4	14.7	23.1	19.7	21.4	26.4	20.3	23.2
18	12.9	4.5	8.4	20.2	14.0	16.9	21.7	19.8	20.4	27.3	22.0	24.5
19	15.4	7.8	11.3	22.4	16.2	18.8	19.8	18.6	19.3	29.5	22.8	25.9
20	14.3	7.8	10.8	21.6	17.3	19.3	21.1	18.9	20.0	29.9	23.1	26.2
21	15.0	6.1	10.2	17.3	14.4	15.7	21.9	19.3	20.5	28.7	23.2	25.6
22	14.9	7.7	11.0	14.5	12.5	13.5	21.0	19.4	20.2	28.1	21.8	24.7
23	13.0	10.2	11.6	16.3	11.3	13.8	19.9	16.9	18.3	31.2	22.0	26.1
24	10.2	4.9	7.0	16.4	15.0	15.7	18.3	15.9	17.0	31.4	23.6	26.9
25	8.5	2.9	5.0	19.5	16.4	17.8	19.1	15.5	17.5	25.9	21.3	23.4
26	12.0	1.5	6.4	20.8	18.3	19.4	21.1	17.9	19.5	25.9	20.4	22.8
27	14.1	4.0	8.6	19.7	18.4	19.0	22.1	18.6	20.3	28.1	22.1	24.6
28	10.4	6.9	8.6	19.4	16.3	17.8	21.2	19.3	20.1	31.2	21.5	25.8
29	14.4	9.0	10.6	18.2	16.1	17.3	21.4	18.1	19.7	---	---	---
30	---	---	---	18.4	15.6	17.0	20.7	17.5	19.4	---	---	---
31	---	---	---	18.0	15.0	16.6	---	---	---	---	---	---
MONTH	15.4	0.0	6.0	22.4	6.5	13.9	23.1	10.3	17.9	31.4	15.1	22.9

ARKANSAS RIVER BASIN

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	25.1	22.9	24.1	34.7	25.1	29.4	29.9	21.7	25.5
2	29.7	22.3	24.9	27.3	23.4	25.1	35.1	25.9	29.9	29.0	21.7	25.1
3	29.5	19.9	24.4	30.1	26.7	28.3	34.5	25.7	29.4	29.6	20.9	24.8
4	27.2	21.0	23.7	30.5	27.9	29.2	35.9	25.5	30.0	30.4	21.4	25.4
5	30.3	20.5	24.7	30.0	27.4	28.7	31.5	25.3	28.2	30.5	22.4	26.0
6	32.4	22.3	26.7	29.0	26.3	27.5	27.5	22.5	25.2	29.8	21.5	25.2
7	28.0	22.3	24.7	29.3	26.7	27.9	28.6	22.7	25.4	28.3	19.2	23.3
8	25.4	22.5	24.0	30.5	27.1	28.8	28.0	22.6	24.9	28.2	17.8	22.5
9	24.5	22.6	23.5	29.3	27.3	28.3	33.6	22.4	27.3	29.0	16.8	22.3
10	25.3	23.0	24.1	31.1	25.4	28.0	32.8	24.4	28.2	29.1	17.9	23.0
11	27.4	24.0	25.6	31.9	26.5	29.1	28.6	21.7	25.1	29.9	19.2	23.9
12	28.9	25.8	27.3	31.6	26.7	29.1	30.1	21.1	25.1	30.9	20.5	25.0
13	28.1	25.3	27.0	32.4	27.1	29.7	30.5	21.7	25.7	30.1	20.6	24.6
14	29.8	25.9	27.8	---	---	---	26.3	23.7	25.0	30.2	21.2	24.7
15	29.1	26.8	27.9	---	---	---	24.9	22.4	23.5	28.2	21.8	24.6
16	29.1	25.2	27.0	32.0	27.9	29.8	28.6	21.6	24.7	31.8	22.6	26.4
17	30.3	24.6	27.4	30.6	27.2	28.9	30.6	22.8	26.4	33.0	23.4	27.4
18	29.4	24.7	26.9	32.6	26.1	29.0	30.1	23.1	26.4	32.1	23.2	26.8
19	28.3	23.6	25.8	33.7	26.1	29.6	27.4	23.9	25.4	30.0	21.5	25.0
20	27.9	22.6	24.9	33.1	26.4	29.4	24.5	20.9	22.5	28.8	18.6	22.9
21	29.1	22.6	25.8	33.0	25.6	28.9	29.0	18.9	23.6	29.7	19.9	23.7
22	26.9	23.3	24.1	32.7	25.3	28.6	29.7	22.1	25.5	27.6	19.5	23.1
23	26.0	22.5	24.2	32.8	25.6	28.4	31.7	22.9	26.8	26.2	20.1	22.1
24	27.6	24.1	25.9	26.9	23.2	25.4	32.0	23.7	27.4	28.8	19.3	22.9
25	26.9	25.2	25.9	23.7	20.5	22.2	30.8	25.1	27.3	27.9	17.8	22.3
26	26.9	24.4	25.7	28.7	19.8	23.9	33.0	23.7	27.6	28.4	18.8	23.0
27	28.3	25.0	26.4	28.9	21.8	25.0	33.5	23.8	27.9	27.7	18.9	23.0
28	26.8	25.4	26.1	25.1	22.4	23.2	30.8	23.0	26.3	26.9	17.7	21.7
29	25.8	24.4	25.0	23.3	21.5	22.2	29.8	21.2	25.4	27.5	17.6	22.0
30	25.5	23.5	24.4	30.6	21.7	25.5	26.2	22.6	24.3	21.6	17.4	19.8
31	---	---	---	33.6	23.7	28.2	29.8	20.8	24.9	---	---	---
MONTH	32.4	19.9	25.6	33.7	19.8	27.3	35.9	18.9	26.3	33.0	16.8	23.9

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	12.8	8.9	10.7	11.4	10.1	10.6	15.3	12.2	13.5	14.6	10.2	12.4
2	12.5	9.2	10.5	10.6	8.6	9.8	15.1	12.3	13.3	14.0	9.9	11.6
3	10.2	7.7	9.1	9.8	7.8	8.6	15.3	12.1	13.4	14.4	9.7	11.7
4	8.5	7.7	8.1	10.2	7.8	9.0	15.5	12.5	13.8	15.5	10.9	13.4
5	9.3	8.4	8.8	11.8	9.7	11.0	15.8	12.8	14.3	16.9	14.1	15.7
6	9.5	8.6	9.0	13.0	11.4	12.3	16.4	13.6	14.9	17.0	15.6	16.4
7	---	---	---	13.3	11.5	12.6	15.5	12.2	13.9	16.7	15.6	16.2
8	8.7	8.1	8.4	12.3	11.4	11.7	14.8	10.7	12.8	16.5	14.9	15.8
9	8.9	8.1	8.3	12.8	11.3	11.9	14.1	10.3	12.3	17.0	14.5	15.6
10	8.2	7.9	8.0	12.3	10.0	11.3	15.8	13.7	14.6	17.0	13.8	15.3
11	8.7	8.1	8.3	11.9	9.3	10.4	15.7	13.6	14.5	16.1	12.2	14.3
12	10.3	8.7	9.6	12.5	9.1	10.6	15.4	13.6	14.6	15.9	11.9	13.7
13	10.7	9.0	9.7	12.8	10.6	11.7	15.8	14.0	14.6	15.9	11.7	13.1
14	10.8	9.0	9.9	13.4	11.7	12.4	15.3	12.8	14.1	16.3	11.6	13.4
15	10.4	9.2	9.8	13.5	11.4	12.3	14.1	12.0	13.1	16.2	11.5	13.5
16	9.9	8.4	9.3	13.4	10.6	12.1	14.7	12.0	13.0	14.1	10.8	12.0
17	9.4	8.1	8.8	11.4	9.1	10.3	14.9	12.0	13.3	13.5	10.6	12.0
18	---	---	---	12.3	9.1	10.8	15.3	12.0	13.3	13.6	12.8	13.4
19	---	---	---	13.1	10.7	11.8	15.6	12.1	13.5	---	---	---
20	---	---	---	12.9	10.5	11.5	15.4	11.7	13.4	---	---	---
21	---	---	---	12.9	10.5	11.6	15.7	10.8	13.0	13.9	12.6	13.3
22	---	---	---	13.2	10.8	11.9	15.2	10.5	12.3	14.0	12.7	13.3
23	---	---	---	14.4	11.2	13.2	15.9	11.5	13.3	14.3	11.6	13.2
24	---	---	---	15.8	13.8	14.6	15.8	12.2	13.6	13.4	10.8	12.0
25	---	---	---	15.2	13.0	14.3	15.2	12.0	13.4	13.3	10.4	11.4
26	---	---	---	14.4	12.1	13.2	15.2	10.3	12.7	15.1	10.5	13.0
27	---	---	---	14.7	12.1	13.4	15.0	9.7	11.7	15.9	14.3	15.1
28	---	---	---	15.7	13.6	14.5	15.0	10.4	12.6	15.6	12.9	14.5
29	10.9	9.0	9.9	15.3	12.7	14.0	15.6	12.1	13.7	15.6	13.0	14.5
30	10.3	9.1	9.6	14.9	12.2	13.6	15.9	12.9	14.0	15.7	14.2	14.9
31	11.3	9.2	10.3	---	---	---	15.9	12.0	13.9	15.3	13.3	14.5
MONTH	12.8	7.7	9.3	15.8	7.8	11.9	16.4	9.7	13.5	17.0	9.7	13.8
FEBRUARY			MARCH			APRIL			MAY			
1	13.9	12.7	13.3	13.6	10.0	11.7	10.6	9.1	9.8	10.8	9.6	10.2
2	15.2	13.6	14.2	14.0	9.8	11.7	10.7	8.9	9.7	10.7	9.7	10.3
3	15.0	12.9	14.1	13.1	10.2	11.4	10.9	8.6	9.6	10.5	9.5	10.0
4	14.7	12.7	13.5	11.5	9.1	10.5	11.1	8.7	9.8	10.7	9.4	9.9
5	14.7	13.0	13.6	10.2	9.6	10	10.8	8.7	9.7	11.7	8.7	10.1
6	14.8	12.9	13.7	9.6	8.9	9.3	10.3	8.8	9.3	11.3	8.5	9.6
7	14.3	12.9	13.6	9.1	9.0	9.1	10.2	8.5	9.2	11.7	8.2	9.8
8	---	---	---	9.5	9.0	9.3	10.5	8.7	9.5	12.2	8.3	9.9
9	---	---	---	9.8	9.0	9.4	10.3	8.5	9.3	11.3	8.2	9.6
10	---	---	---	10.1	9.3	9.8	10.7	8.4	9.5	10.8	8.2	9.4
11	---	---	---	10.3	9.4	9.9	11.7	9.8	10.9	9.2	7.5	8.6
12	---	---	---	10.0	9.0	9.6	10.4	9.7	10	9.3	7.3	8.1
13	---	---	---	9.0	8.1	8.7	11.1	9.4	10.3	8.7	7.2	8.0
14	---	---	---	---	---	---	10.2	8.2	9.5	10.7	8.7	9.8
15	---	---	---	---	---	---	9.3	7.3	8.5	10.3	8.6	9.6
16	---	---	---	---	---	---	9.2	7.7	8.4	9.9	8.4	9.1
17	---	---	---	---	---	---	8.6	7.3	7.9	9.6	8.1	8.9
18	---	---	---	---	---	---	---	---	---	9.3	7.9	8.6
19	---	---	---	---	---	---	---	---	---	9.2	7.7	8.3
20	---	---	---	---	---	---	---	---	---	9.3	7.7	8.3
21	---	---	---	---	---	---	---	---	---	10.0	7.7	8.9
22	---	---	---	---	---	---	9.2	8.3	8.7	10.9	8.5	9.7
23	---	---	---	---	---	---	9.3	8.7	9.0	11.4	8.8	10.0
24	13.7	9.6	11.6	10.4	9.0	9.6	9.8	9.2	9.5	11.6	8.8	10.0
25	14.5	12.0	13.1	10.7	8.7	9.5	9.4	8.9	9.2	9.4	7.8	8.7
26	14.6	11.5	13.2	10.3	8.4	9.2	10.2	9.0	9.5	---	---	---
27	13.9	10.5	12.2	10.0	8.2	9.0	10.3	9.0	9.5	---	---	---
28	13.9	10.5	11.9	10.3	8.3	9.2	9.7	8.8	9.2	---	---	---
29	12.5	10.2	11.1	8.4	8.0	8.3	9.9	9.0	9.4	---	---	---
30	---	---	---	10.1	8.4	9.2	10.0	8.9	9.4	---	---	---
31	---	---	---	10.8	9.0	9.8	---	---	---	---	---	---
MONTH	15.2	9.6	13.0	14.0	8.0	9.7	11.7	7.3	9.4	12.2	7.2	9.3

07239450 NORTH CANADIAN RIVER NEAR CALUMET, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	9.4	6.6	7.8	8.6	3.4	6.0
2	9.3	7.2	8.2	---	---	---	9.4	6.5	7.8	9.3	5.0	7.1
3	10.2	7.5	8.7	---	---	---	9.3	5.3	7.3	8.9	6.5	7.5
4	10.4	7.4	8.7	---	---	---	9.4	5.8	7.6	8.8	6.3	7.4
5	10.5	7.3	8.8	---	---	---	8.6	5.8	7.2	8.6	6.0	7.2
6	10.4	7.0	8.5	---	---	---	8.9	6.2	7.4	9.5	6.0	7.5
7	10.5	7.1	8.7	8.6	6.3	7.2	9.0	6.4	7.4	9.7	6.3	7.9
8	10.0	7.5	8.7	8.1	6.3	7.1	8.8	6.4	7.4	9.7	6.4	7.9
9	9.5	7.4	8.3	8.6	6.3	7.2	9.0	5.8	7.3	9.9	6.2	7.9
10	7.9	6.7	7.4	9.3	6.3	7.7	8.7	5.7	7.0	9.9	6.1	7.7
11	7.0	6.4	6.7	8.8	6.5	7.5	8.9	5.8	7.3	9.6	5.8	7.4
12	8.1	6.6	7.2	8.8	6.7	7.6	9.5	6.2	7.6	9.6	5.6	7.2
13	8.7	6.8	7.6	9.0	6.7	7.8	9.0	6.1	7.3	9.3	5.6	7.1
14	8.9	7.0	7.9	9.0	6.8	7.9	9.7	5.4	7.4	8.9	5.5	6.9
15	8.3	7.2	7.6	8.4	6.4	7.6	8.8	6.0	7.1	8.7	5.1	6.6
16	8.6	7.2	7.8	8.8	6.2	7.4	8.8	6.3	7.5	9.0	4.6	6.3
17	8.8	7.3	7.9	9.3	6.6	7.9	9.8	6.0	6.9	8.5	4.4	6.0
18	9.4	7.3	8.2	9.2	6.9	7.9	7.9	6.0	6.8	8.2	4.4	6.0
19	10.1	7.5	8.6	8.8	6.7	7.7	8.1	6.0	6.8	---	---	---
20	10.2	7.8	8.8	9.1	6.6	7.8	8.8	6.2	7.4	---	---	---
21	---	---	---	9.1	7.0	8.0	8.4	6.4	7.4	10.5	6.8	8.6
22	---	---	---	9.1	7.1	8.0	8.1	6.0	7.0	11.1	6.9	8.9
23	---	---	---	8.9	7.1	7.8	8.0	5.9	6.8	12.1	7.2	9.3
24	---	---	---	10.1	7.3	8.5	8.2	5.8	6.8	13.3	7.8	10
25	---	---	---	11.1	8.3	9.5	8.2	5.7	6.7	13.3	7.8	10.3
26	---	---	---	10.3	7.4	9.2	7.9	5.6	6.7	---	---	---
27	---	---	---	9.6	7.6	8.6	8.0	5.4	6.6	---	---	---
28	---	---	---	10.0	7.4	8.6	8.2	5.1	6.6	---	---	---
29	---	---	---	11.0	7.9	9.3	9.2	4.8	6.5	---	---	---
30	---	---	---	10.2	7.2	8.9	5.2	3.9	4.6	---	---	---
31	---	---	---	9.4	6.8	8.1	6.8	3.8	5.7	---	---	---
MONTH	10.5	6.4	8.1	11.1	6.2	8.0	9.8	3.8	7.0	13.3	3.4	7.6

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07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK

LOCATION.--Lat 35°33'47", long 97°57'26", SW ¼ NW ¼ 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. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	15	14	22	21	412	497	41	507	43	e30
2	16	19	15	14	24	20	372	425	38	1,380	41	e29
3	35	19	15	14	23	23	290	403	36	e767	38	e26
4	e531	19	15	14	24	793	276	394	34	e584	36	e25
5	e810	19	16	14	24	3,650	268	353	33	e500	33	e23
6	e870	18	15	e13	24	4,060	263	255	31	672	32	e24
7	e907	18	15	e12	24	1,350	270	174	29	e694	31	e22
8	e933	18	15	e14	24	648	251	173	73	e537	30	e20
9	e837	18	17	16	23	360	195	166	109	e348	32	e19
10	587	18	17	14	22	235	173	159	336	215	30	e18
11	242	19	16	15	22	186	194	156	717	166	40	e17
12	e124	19	18	16	23	148	238	151	687	e138	46	e17
13	e91	19	26	17	22	127	183	147	468	e140	41	e16
14	e73	20	17	16	21	e115	174	157	456	e132	115	e15
15	e62	20	17	15	21	e110	204	158	378	e121	206	e15
16	e55	20	18	15	22	e102	357	153	166	e118	121	14
17	e49	23	18	23	21	e97	373	148	100	e113	80	13
18	e44	23	19	50	21	e91	455	145	81	e109	57	12
19	e41	19	17	56	20	e88	e941	140	82	98	48	12
20	e38	18	16	e48	20	e86	e971	108	85	76	46	11
21	e36	17	16	e38	19	162	769	94	127	66	43	11
22	e34	17	16	e32	19	205	611	87	1,200	60	42	11
23	e32	17	16	e28	20	207	586	76	e1,230	55	36	15
24	e30	16	15	e26	20	208	638	66	e612	55	32	16
25	e28	16	15	e26	19	206	788	64	e688	56	29	14
26	e25	16	15	23	19	194	661	67	e827	56	26	13
27	e24	16	16	22	19	195	598	61	e636	51	24	14
28	e24	16	15	23	18	392	575	52	e311	51	27	13
29	e22	15	15	22	20	622	538	47	293	51	38	12
30	e21	15	14	24	---	474	551	44	372	49	59	12
31	e20	---	14	21	---	426	---	42	---	46	40	---
TOTAL	6,654	546	504	695	620	15,601	13,175	5,162	10,276	8,011	1,542	509
MEAN	215	18.2	16.3	22.4	21.4	503	439	167	343	258	49.7	17.0
MAX	933	23	26	56	24	4,060	971	497	1,230	1,380	206	30
MIN	13	15	14	12	18	20	173	42	29	46	24	11
AC-FT	13,200	1,080	1,000	1,380	1,230	30,940	26,130	10,240	20,380	15,890	3,060	1,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	184	130	114	113	148	232	282	418	504	266	170	204
MAX	1,904	884	592	826	673	971	1,129	2,354	3,121	2,597	2,460	2,786
(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)

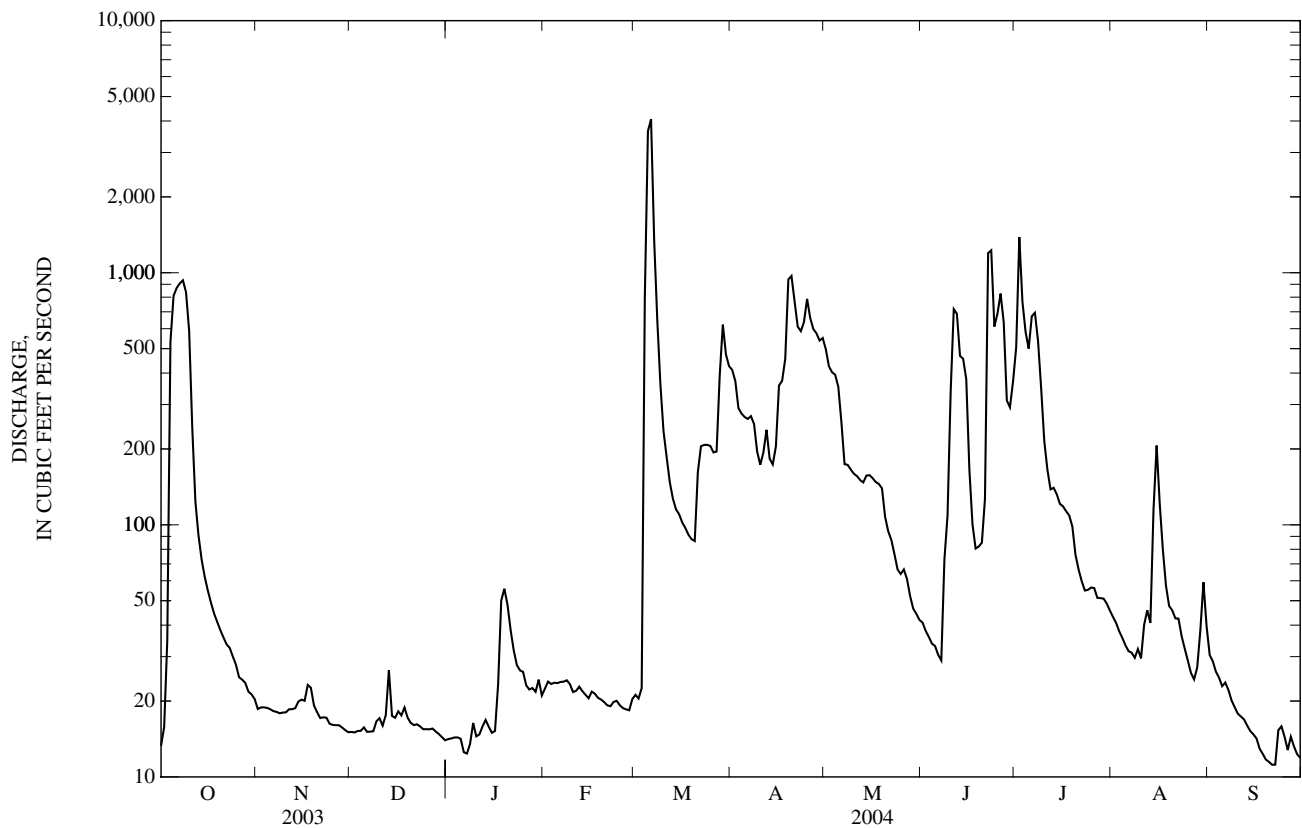
e Estimated

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	49,112.9		63,295		a230	
ANNUAL MEAN	135		173		807	
HIGHEST ANNUAL MEAN					31.8	
LOWEST ANNUAL MEAN					13,300	
HIGHEST DAILY MEAN	933	Oct 8	4,060	Mar 6	15,000	May 10, 1993
LOWEST DAILY MEAN	3.7	Aug 24	11	Sep 20,21,22	0.00	Oct 16, 1948
ANNUAL SEVEN-DAY MINIMUM	3.8	Aug 21	12	Sep 16	0.00	Jul 3, 1952
MAXIMUM PEAK FLOW			4,440	Mar 6	15,000	Oct 28, 1941
MAXIMUM PEAK STAGE			12.04	Mar 6	b22.22	Sep 21, 1965
ANNUAL RUNOFF (AC-FT)	97,420		125,500		166,900	
10 PERCENT EXCEEDS	329		542		678	
50 PERCENT EXCEEDS	95		38		58	
90 PERCENT EXCEEDS	7.5		15		3.1	

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, 2,200 microsiemens, July 25, 1974, Oct. 11, 1978; minimum, 103 microsiemens, Mar. 17, 1998.

WATER TEMPERATURE: Maximum, 37.3°C, Aug. 23, 2002; minimum, -0.4°C, several days during winters.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,880 microsiemens, June 8; minimum, 176 microsiemens, Mar. 5.

WATER TEMPERATURE: Maximum, 35.2°C, Aug. 4; minimum, -0.4°C, several days during winter.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,410	984	1,240	---	---	---	1,510	1,490	1,500	1,350	1,320	1,340
2	1,440	1,410	1,430	---	---	---	1,500	1,480	1,500	1,350	1,330	1,340
3	1,460	1,390	1,420	---	---	---	1,510	1,490	1,500	1,360	1,340	1,360
4	1,470	1,390	1,430	---	---	---	1,500	1,470	1,490	1,400	1,360	1,390
5	---	---	---	---	---	---	1,500	1,480	1,490	1,440	1,270	1,380
6	---	---	---	---	---	---	1,510	1,490	1,500	1,560	1,350	1,460
7	---	---	---	---	---	---	1,490	1,460	1,480	1,510	1,210	1,370
8	---	---	---	---	---	---	1,470	1,440	1,460	1,470	1,210	1,350
9	---	---	---	---	---	---	1,450	1,420	1,440	1,440	1,370	1,410
10	1,360	1,040	1,250	---	---	---	1,450	1,420	1,430	1,460	1,410	1,440
11	1,160	947	1,080	---	---	---	1,440	1,410	1,430	1,470	1,420	1,450
12	1,320	976	1,200	---	---	---	1,440	1,350	1,410	1,450	1,400	1,430
13	1,400	1,320	1,360	---	---	---	1,350	1,310	1,330	1,400	1,330	1,350
14	1,440	1,400	1,420	---	---	---	1,330	1,320	1,330	1,350	1,320	1,340
15	1,480	1,440	1,460	---	---	---	1,350	1,330	1,340	1,360	1,320	1,340
16	1,510	1,480	1,490	---	---	---	1,360	1,340	1,350	1,330	1,260	1,310
17	1,530	1,510	1,520	---	---	---	1,380	1,340	1,360	1,260	1,120	1,170
18	1,540	1,530	1,530	---	---	---	1,350	1,320	1,330	1,140	761	1,090
19	1,550	1,540	1,540	---	---	---	1,350	1,310	1,330	761	580	640
20	1,560	1,540	1,550	---	---	---	1,360	1,320	1,350	721	599	655
21	1,560	1,540	1,550	1,420	1,390	1,410	1,360	1,310	1,340	867	721	787
22	1,550	1,520	1,540	1,430	1,410	1,420	1,320	1,290	1,310	976	867	938
23	---	---	---	1,460	1,430	1,450	1,330	1,300	1,310	1,000	976	990
24	---	---	---	1,490	1,460	1,480	1,340	1,320	1,330	1,080	1,000	1,040
25	---	---	---	1,500	1,480	1,490	1,350	1,320	1,330	1,150	1,080	1,110
26	---	---	---	1,500	1,480	1,490	1,340	1,310	1,330	1,210	1,150	1,180
27	---	---	---	1,500	1,480	1,490	1,330	1,300	1,310	1,270	1,210	1,230
28	---	---	---	1,520	1,490	1,500	1,330	1,310	1,320	1,250	1,220	1,230
29	---	---	---	1,520	1,500	1,510	1,360	1,330	1,350	1,300	1,250	1,270
30	---	---	---	1,520	1,500	1,510	1,380	1,340	1,370	1,360	1,240	1,310
31	---	---	---	---	---	---	1,360	1,340	1,350	1,340	1,300	1,320
MONTH	1,560	947	1,410	1,520	1,390	1,480	1,510	1,290	1,390	1,560	580	1,230

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1,310	1,270	1,300	1,320	1,300	1,310	1,580	1,540	1,560	---	---	---
2	1,310	1,260	1,290	1,390	1,320	1,350	1,600	1,580	1,590	---	---	---
3	1,310	1,250	1,280	1,390	1,290	1,350	1,600	1,590	1,590	---	---	---
4	1,300	1,250	1,270	1,290	188	871	1,610	1,590	1,600	---	---	---
5	1,320	1,260	1,300	199	176	184	1,600	1,600	1,600	---	---	---
6	1,280	1,230	1,260	243	189	210	1,610	1,590	1,600	---	---	---
7	1,290	1,210	1,250	388	243	309	1,590	1,530	1,560	---	---	---
8	1,240	1,190	1,220	643	388	507	1,550	1,490	1,530	---	---	---
9	1,240	1,190	1,210	894	643	773	1,530	1,480	1,510	---	---	---
10	1,260	1,220	1,240	1,090	894	997	1,480	1,440	1,460	---	---	---
11	1,240	1,210	1,220	1,200	1,090	1,130	1,520	1,480	1,510	---	---	---
12	1,250	1,220	1,230	1,330	1,200	1,270	1,510	1,200	1,310	1,470	1,440	1,460
13	1,270	1,220	1,240	1,400	1,330	1,370	1,380	1,140	1,250	1,480	1,460	1,470
14	1,250	1,210	1,230	1,460	1,400	1,440	1,530	1,380	1,480	1,500	1,470	1,480
15	1,250	1,220	1,230	1,500	1,460	1,480	1,570	1,530	1,550	1,500	1,460	1,480
16	1,260	1,220	1,240	1,510	1,490	1,500	1,580	1,560	1,570	1,510	1,490	1,500
17	1,260	1,220	1,240	1,520	1,500	1,510	1,600	1,570	1,590	1,520	1,500	1,510
18	1,280	1,240	1,260	1,530	1,490	1,510	1,620	1,580	1,590	1,520	1,510	1,510
19	1,260	1,240	1,250	1,520	1,440	1,500	1,620	1,580	1,590	1,530	1,500	1,520
20	1,290	1,260	1,280	1,520	1,490	1,510	1,620	1,580	1,600	1,560	1,530	1,550
21	1,300	1,280	1,300	1,560	1,420	1,510	1,620	1,570	1,610	1,580	1,560	1,570
22	1,320	1,290	1,310	1,500	1,420	1,480	1,620	1,600	1,610	1,600	1,580	1,590
23	1,330	1,320	1,320	1,530	1,490	1,510	1,620	1,600	1,610	1,600	1,580	1,590
24	1,320	1,310	1,320	1,520	1,500	1,510	1,600	1,550	1,580	1,610	1,590	1,600
25	1,340	1,320	1,330	1,520	1,500	1,510	1,550	1,080	1,330	1,620	1,600	1,600
26	1,360	1,330	1,340	1,540	1,520	1,530	1,510	1,290	1,410	1,610	1,540	1,590
27	1,360	1,330	1,350	1,550	1,540	1,540	1,540	1,510	1,520	1,540	1,360	1,500
28	1,360	1,350	1,350	1,550	936	1,280	---	---	---	---	---	---
29	1,360	1,290	1,320	1,420	1,110	1,300	---	---	---	---	---	---
30	---	---	---	1,410	1,080	1,250	---	---	---	---	---	---
31	---	---	---	1,550	1,410	1,490	---	---	---	---	---	---
MONTH	1,360	1,190	1,280	1,560	176	1,230	1,620	1,080	1,530	1,620	1,360	1,530
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	669	480	535	1,510	1,450	1,470	799	605	703
2	1,850	1,720	1,790	594	330	391	1,510	1,480	1,500	1,020	799	917
3	1,780	1,720	1,760	750	341	499	1,570	1,510	1,530	1,170	1,020	1,100
4	1,790	1,750	1,770	---	---	---	1,570	1,520	1,550	1,300	1,170	1,250
5	1,820	1,650	1,770	---	---	---	1,570	1,530	1,550	1,380	1,300	1,340
6	1,820	1,790	1,810	---	---	---	1,560	1,540	1,550	1,380	1,330	1,350
7	1,820	1,780	1,800	1,410	1,270	1,350	1,560	1,540	1,550	1,400	1,350	1,380
8	1,880	1,730	1,820	1,370	1,330	1,350	1,560	1,540	1,550	1,420	830	1,290
9	1,730	1,530	1,640	1,410	1,370	1,390	1,550	1,480	1,530	835	807	814
10	1,650	1,560	1,620	1,370	1,320	1,340	1,520	1,460	1,500	823	735	814
11	1,640	1,610	1,620	1,340	1,310	1,320	1,530	1,130	1,310	831	516	738
12	1,630	1,550	1,600	1,410	1,320	1,360	1,200	1,040	1,140	---	---	---
13	1,610	1,540	1,580	1,410	1,380	1,400	1,300	1,020	1,140	---	---	---
14	1,580	1,530	1,550	1,420	1,390	1,410	1,310	1,200	1,260	1,580	1,550	1,560
15	1,540	1,500	1,520	1,440	1,410	1,410	1,330	1,220	1,290	1,570	1,540	1,560
16	1,540	1,510	1,520	1,410	1,400	1,400	1,330	1,310	1,320	1,540	1,450	1,500
17	1,540	1,510	1,530	1,410	1,390	1,400	1,340	1,310	1,330	1,540	1,450	1,500
18	1,530	1,450	1,480	1,410	1,400	1,400	1,340	1,310	1,320	1,550	1,530	1,540
19	1,500	1,370	1,430	1,410	1,380	1,390	1,330	1,270	1,300	1,550	1,540	1,540
20	1,380	1,140	1,290	1,400	1,370	1,380	1,320	1,190	1,250	1,560	1,540	1,550
21	1,290	598	951	1,450	1,400	1,420	1,300	1,280	1,290	1,580	1,550	1,570
22	884	355	538	1,480	1,440	1,460	1,320	1,260	1,290	1,590	1,570	1,580
23	467	356	396	1,500	1,440	1,490	1,370	1,280	1,310	1,580	1,380	1,470
24	806	337	489	1,500	1,380	1,440	1,280	1,150	1,190	1,400	1,370	1,390
25	1,280	806	1,070	1,530	1,500	1,520	1,340	1,200	1,270	1,490	1,380	1,450
26	1,300	1,140	1,260	1,520	1,430	1,470	1,380	1,310	1,340	1,500	1,450	1,490
27	1,330	1,280	1,300	1,450	1,380	1,420	1,410	1,110	1,380	1,460	1,440	1,450
28	1,310	1,280	1,290	1,380	1,280	1,330	1,360	1,070	1,240	1,510	1,460	1,490
29	1,290	1,220	1,260	1,370	1,280	1,340	1,410	1,320	1,360	1,530	1,500	1,510
30	1,220	669	1,070	1,470	1,370	1,410	1,390	676	919	1,520	1,510	1,520
31	---	---	---	1,470	1,400	1,430	676	525	576	---	---	---
MONTH	1,880	337	1,400	1,530	330	1,300	1,570	525	1,330	1,590	516	1,330

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.6	13.0	14.3	13.4	10.8	12.0	9.7	4.3	6.6	12.2	5.7	9.0
2	17.9	13.6	15.3	18.4	12.8	15.9	7.9	6.3	6.9	14.2	8.3	10.9
3	23.1	13.6	17.8	22.5	17.8	19.6	9.7	5.2	7.0	12.5	8.2	9.9
4	19.5	17.2	17.7	19.2	12.3	16.9	8.7	3.1	5.6	8.6	2.3	5.6
5	18.3	16.6	17.4	12.3	8.0	9.8	6.3	1.8	3.7	3.5	-0.3	0.9
6	19.1	17.6	18.2	8.0	5.2	6.8	5.6	0.0	2.6	0.2	-0.3	-0.2
7	19.1	18.0	18.5	9.4	4.9	7.2	8.0	1.8	4.5	0.2	-0.4	-0.2
8	20.2	18.8	19.4	9.3	8.2	8.8	10.6	5.0	7.7	4.5	-0.3	1.0
9	21.4	19.6	20.3	9.9	8.3	9.2	10.1	2.2	6.6	4.9	-0.4	1.4
10	21.7	20.3	20.8	13.0	9.4	11.1	5.2	0.0	2.2	5.9	-0.4	2.1
11	20.9	19.3	20.3	15.7	12.8	14.2	5.1	-0.2	1.9	8.2	1.2	4.3
12	20.4	16.5	18.6	15.0	11.3	13.7	1.7	-0.3	0.2	8.4	4.1	6.3
13	21.5	17.1	19.0	11.3	8.3	9.5	2.9	-0.3	0.9	11.3	7.0	8.6
14	20.3	15.5	17.9	8.4	7.5	7.9	4.9	-0.2	2.2	12.0	6.5	8.7
15	19.5	14.2	16.7	11.4	7.7	9.3	7.0	2.5	4.5	10.1	5.0	7.8
16	21.2	14.4	17.4	14.0	6.3	10.0	5.9	1.6	3.5	10.4	8.9	9.6
17	19.3	14.4	16.8	15.8	11.4	14.1	5.9	0.2	2.8	10.0	6.4	8.8
18	20.7	13.6	16.8	14.4	9.6	12.3	6.9	1.8	3.9	6.4	4.1	5.1
19	22.6	15.4	18.6	13.9	7.1	10.2	6.5	1.2	3.5	4.7	1.3	3.0
20	23.5	16.6	19.6	14.1	7.9	10.8	7.4	1.5	4.1	5.0	1.5	3.1
21	23.5	16.9	19.9	13.8	8.5	10.6	9.0	3.2	6.1	8.2	3.6	5.3
22	23.2	16.7	19.6	11.5	7.6	9.7	8.4	6.3	7.6	7.9	3.1	5.2
23	23.0	16.5	19.4	9.7	3.3	6.1	8.2	3.3	5.5	9.4	2.2	5.5
24	22.3	16.9	19.3	6.5	0.7	3.2	7.5	2.2	4.5	11.1	6.7	8.7
25	18.4	12.9	15.1	6.7	1.8	4.2	8.2	2.5	5.0	13.8	9.7	11.2
26	15.6	10.0	12.6	10.3	3.5	6.3	10.4	4.9	7.5	10.2	0.8	5.5
27	16.4	10.2	13.2	7.9	3.9	5.6	13.4	9.6	11.6	3.8	-0.3	1.0
28	14.6	11.6	13.5	7.4	1.5	4.0	9.9	5.5	7.9	6.4	-0.4	2.6
29	17.6	9.8	13.4	8.5	1.6	4.6	7.3	2.3	4.6	3.6	-0.4	1.6
30	18.5	13.2	15.5	9.8	3.2	6.0	7.2	1.4	3.9	3.7	-0.3	0.5
31	14.0	10.0	12.2	---	---	---	7.7	2.4	4.8	3.3	-0.4	1.3
MONTH	23.5	9.8	17.3	22.5	0.7	9.7	13.4	-0.3	4.8	14.2	-0.4	5.0
FEBRUARY			MARCH			APRIL			MAY			
1	4.7	1.9	3.6	15.0	6.6	10.6	18.2	14.4	16.3	18.0	15.3	16.7
2	5.3	-0.3	2.2	10.7	6.8	9.2	19.0	15.1	17.0	19.4	14.8	17.0
3	5.4	-0.3	2.4	9.5	8.5	9.1	19.3	15.4	17.4	20.1	15.9	17.9
4	3.8	1.9	2.6	9.3	7.9	8.5	18.9	15.0	17.0	22.0	17.3	19.5
5	3.4	1.8	2.5	8.2	7.2	7.6	18.1	15.7	16.8	23.8	18.6	21.0
6	4.0	0.7	2.1	9.9	7.6	8.6	17.2	15.3	16.3	25.9	20.1	22.8
7	4.3	-0.4	1.5	11.1	9.0	10.1	17.8	15.9	16.6	25.8	21.1	23.4
8	5.8	-0.4	2.4	12.4	9.5	10.9	19.6	15.4	17.3	26.9	20.8	23.7
9	7.6	3.2	4.6	13.8	10.7	12.1	20.0	15.8	17.8	25.7	21.1	23.4
10	7.8	1.2	4.6	13.7	9.9	11.9	18.1	12.4	14.8	25.9	21.2	23.4
11	6.7	3.7	5.0	14.2	10.6	12.3	14.5	10.1	12.3	26.0	21.7	23.7
12	5.9	0.0	2.8	13.0	11.1	12.1	15.0	11.5	13.0	26.8	21.9	24.0
13	2.7	-0.4	1.4	12.0	10.8	11.1	16.3	10.2	13.1	24.9	17.8	22.1
14	6.9	1.8	3.6	15.1	10.6	12.4	18.5	11.8	15.0	20.7	15.0	17.6
15	7.1	1.6	3.7	13.9	11.6	12.6	20.6	13.8	17.1	23.1	15.7	19.2
16	9.7	1.6	5.2	14.5	10.1	12.2	22.4	17.2	19.7	24.5	18.6	21.4
17	10.7	2.9	6.6	17.7	10.7	14.2	23.1	19.3	21.2	26.5	19.9	23.0
18	12.3	4.4	8.1	19.7	13.4	16.6	21.5	19.4	20.2	26.9	21.6	24.1
19	15.0	7.7	11.0	21.7	16.1	18.6	19.7	18.7	19.2	29.3	22.5	25.6
20	14.1	7.8	10.6	21.6	17.1	19.3	21.1	18.5	19.7	29.9	22.8	26.1
21	14.1	5.9	9.7	17.1	13.5	15.0	21.7	19.0	20.2	28.6	23.0	25.5
22	14.4	7.6	10.6	14.4	12.2	13.3	21.2	19.4	20.2	28.0	21.9	24.8
23	12.6	10.2	11.3	16.1	10.9	13.5	20.1	16.9	18.4	30.7	22.0	26.1
24	10.2	4.9	7.2	16.0	14.5	15.3	18.6	16.0	17.1	31.5	23.7	27.1
25	8.7	3.0	5.2	18.8	15.7	17.1	18.4	16.2	17.3	26.2	21.4	23.4
26	11.2	1.8	6.2	20.3	17.6	19.0	21.1	17.4	19.0	24.9	20.3	22.5
27	13.5	4.1	8.4	19.3	18.0	18.6	22.0	18.3	20.0	26.4	21.9	24.0
28	9.7	6.8	8.3	18.0	15.2	16.8	20.9	19.2	20.1	30.8	21.4	25.6
29	14.2	8.5	10.3	18.4	16.3	17.2	21.3	18.0	19.5	28.2	22.5	25.0
30	---	---	---	18.2	15.3	16.7	20.5	17.8	19.3	---	---	---
31	---	---	---	17.8	14.6	16.2	---	---	---	---	---	---
MONTH	15.0	-0.4	5.6	21.7	6.6	13.5	23.1	10.1	17.6	31.5	14.8	22.7

07239500 NORTH CANADIAN RIVER NEAR EL RENO, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	25.3	22.8	24.1	34.4	25.2	29.4	28.9	22.1	25.5
2	29.0	22.5	25.1	26.3	23.3	24.7	34.8	26.1	30.0	28.2	22.0	24.9
3	28.5	20.5	24.4	29.7	26.0	27.6	34.4	26.0	29.8	29.7	21.1	24.9
4	27.2	21.2	23.8	30.6	27.6	29.0	35.2	26.0	30.2	30.3	21.8	25.6
5	29.8	20.3	24.5	30.2	27.2	28.6	31.3	26.0	28.4	30.5	22.8	26.3
6	31.9	22.8	26.9	28.7	26.2	27.5	27.0	23.0	25.2	29.7	22.1	25.5
7	28.0	22.9	25.1	29.4	26.1	27.7	28.2	22.7	25.3	27.7	19.4	23.4
8	25.6	22.2	23.9	30.6	26.8	28.5	27.6	22.8	24.9	27.6	18.0	22.5
9	24.1	22.2	23.1	29.1	27.2	28.1	32.0	22.4	26.9	28.0	17.1	22.3
10	25.6	22.5	23.9	30.8	25.4	27.9	32.9	24.3	28.2	28.5	18.3	23.1
11	27.3	23.5	25.3	32.2	26.0	28.9	28.7	22.4	25.5	29.7	19.6	24.1
12	28.6	25.5	26.9	32.3	26.1	29.1	29.3	21.1	24.9	30.5	21.1	25.2
13	28.3	25.3	26.9	32.9	26.7	29.6	30.2	21.6	25.5	30.2	21.1	24.9
14	29.9	25.6	27.6	32.6	27.2	29.8	25.8	21.9	24.1	29.9	21.7	25.1
15	28.7	26.5	27.6	33.7	27.6	30.4	24.5	21.9	23.1	27.8	22.4	24.8
16	28.9	25.1	26.9	31.6	27.5	29.4	28.3	21.3	24.5	31.2	23.0	26.6
17	30.1	24.4	27.2	30.9	26.8	28.7	30.1	22.5	26.1	33.2	23.8	27.7
18	28.4	24.1	26.3	32.1	25.6	28.6	30.4	22.9	26.5	32.2	24.0	27.3
19	27.6	22.9	25.2	33.4	25.8	29.5	26.9	24.0	25.3	30.6	22.0	25.4
20	27.7	22.2	24.8	33.3	26.1	29.5	24.0	21.1	22.3	29.2	19.2	23.3
21	28.7	22.3	25.3	33.0	25.5	29.0	28.4	18.6	23.1	30.4	20.3	24.1
22	25.4	22.3	23.8	32.6	25.2	28.6	29.7	22.3	25.6	27.9	20.0	23.3
23	25.1	22.6	23.8	33.3	25.7	28.6	31.6	23.2	27.0	25.6	20.5	22.0
24	27.4	23.6	25.3	26.9	23.4	25.3	32.2	23.9	27.7	28.6	19.5	23.0
25	26.3	24.8	25.5	23.5	20.7	22.2	31.1	25.3	27.6	27.5	18.2	22.4
26	26.8	24.2	25.4	28.6	20.0	23.9	32.9	24.0	28.0	28.0	19.0	22.8
27	27.8	24.7	26.1	28.5	21.9	25.1	33.2	24.1	28.2	26.8	19.0	22.4
28	27.1	25.0	26.0	25.6	22.0	23.2	30.2	23.1	26.1	26.1	17.8	21.5
29	25.6	24.1	24.8	22.9	21.3	22.0	31.1	21.3	26.0	26.8	18.0	21.8
30	25.6	23.5	24.4	30.8	21.5	25.3	26.4	22.5	24.4	22.4	18.0	20.1
31	---	---	---	33.3	23.8	28.2	29.3	21.0	25.0	---	---	---
MONTH	31.9	20.3	25.4	33.7	20.0	27.4	35.2	18.6	26.3	33.2	17.1	24.1

LOCATION.--Lat 35°32'22", long 97°44'32", SW ¼ SW ¼ 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.

WATER-DISCHARGE RECORDS

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.

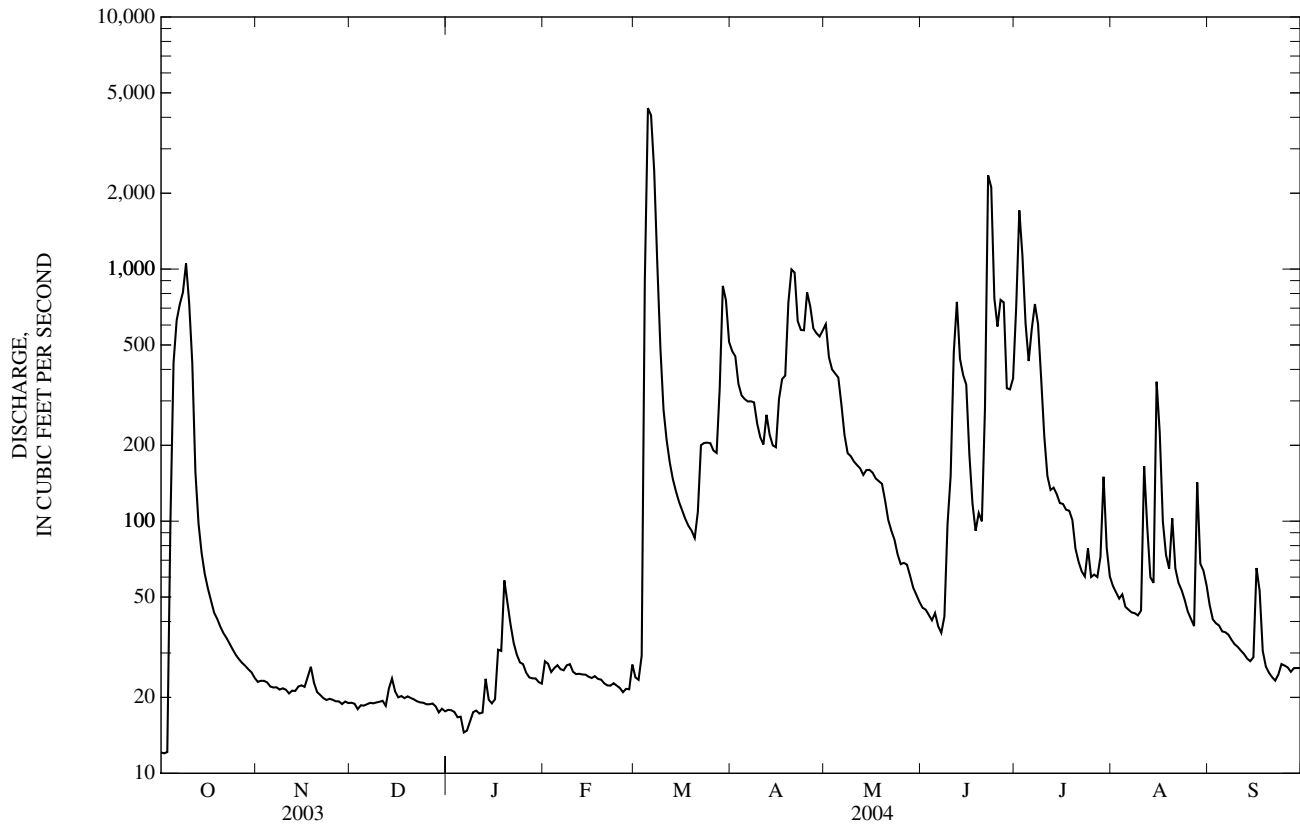
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	23	19	18	28	24	473	605	45	708	55	46
2	12	23	19	18	27	23	451	447	45	1,710	52	41
3	12	23	18	17	25	29	351	400	42	1,130	49	39
4	100	23	19	17	26	897	316	385	40	609	51	39
5	426	22	19	17	27	4,350	305	371	43	432	46	37
6	627	22	19	15	26	4,070	298	290	38	580	45	36
7	725	22	19	15	26	2,460	299	219	36	727	43	35
8	808	21	19	16	27	1,050	296	186	42	605	43	34
9	1,050	22	19	17	27	485	244	181	97	368	42	32
10	734	21	19	18	25	277	215	173	151	217	44	32
11	425	21	19	17	25	210	201	167	467	151	165	31
12	157	21	19	17	25	171	264	162	741	133	95	30
13	98	21	22	24	25	147	220	153	440	136	60	29
14	75	22	24	20	25	131	200	159	380	128	57	28
15	62	22	21	19	24	119	197	160	348	118	357	29
16	54	22	20	20	24	110	305	156	184	117	224	65
17	48	24	20	31	24	102	366	148	117	111	100	53
18	43	26	20	31	24	96	378	144	92	110	73	31
19	41	23	20	58	24	92	734	141	108	101	65	26
20	38	21	20	47	23	86	997	121	100	78	103	25
21	36	20	20	39	22	109	969	101	280	69	65	24
22	34	20	19	33	22	200	622	92	2,350	63	57	23
23	33	20	19	30	23	204	574	84	2,110	60	53	25
24	31	20	19	28	22	205	572	74	766	78	49	27
25	29	20	19	27	22	204	808	68	592	60	44	27
26	28	19	19	25	21	191	712	68	755	61	41	26
27	27	19	19	e24	22	187	581	67	738	60	38	25
28	27	19	18	24	22	338	557	61	337	72	143	26
29	26	19	17	24	27	858	540	54	333	150	68	26
30	25	19	18	e23	---	752	571	51	368	78	64	26
31	24	---	18	23	---	514	---	48	---	60	56	---
TOTAL	5,867	640	599	752	710	18,691	13,616	5,536	12,185	9,080	2,447	973
MEAN	189	21.3	19.3	24.3	24.5	603	454	179	406	293	78.9	32.4
MAX	1,050	26	24	58	28	4,350	997	605	2,350	1,710	357	65
MIN	12	19	17	15	21	23	197	48	36	60	38	23
AC-FT	11,640	1,270	1,190	1,490	1,410	37,070	27,010	10,980	24,170	18,010	4,850	1,930

MEAN	131	106	246	169	226	480	433	456	435	180	52.2	151
MAX	193	228	673	455	778	755	947	1,090	759	399	82.0	457
(WY)	(2001)	(2003)	(2000)	(2001)	(2001)	(2000)	(2000)	(2001)	(2000)	(2000)	(2001)	(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)

U.S. Geological Survey Water Resources Data—Oklahoma, Water Year 2004, Volume 1. Arkansas River Basin, p. 308–313.

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	54,620.8		71,096		255	
ANNUAL MEAN	150		194		431	
HIGHEST ANNUAL MEAN					88.4	
LOWEST ANNUAL MEAN					5,000	
HIGHEST DAILY MEAN	1,050	May 25	4,350	Mar 5	5,000	May 30, 2001
LOWEST DAILY MEAN	4.3	Aug 26	12	Oct 1,2,3	4.3	Aug 26, 2003
ANNUAL SEVEN-DAY MINIMUM	4.5	Aug 20	16	Jan 3	4.5	Aug 20, 2003
MAXIMUM PEAK FLOW			4,780	Mar 5	5,550	May 30, 2001
MAXIMUM PEAK STAGE			11.30	Mar 5	12.59	May 30, 2001
ANNUAL RUNOFF (AC-FT)	108,300		141,000		185,000	
10 PERCENT EXCEEDS	365		571		650	
50 PERCENT EXCEEDS	100		46		92	
90 PERCENT EXCEEDS	8.6		19		22	



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, 1,660 microsiemens, June 9, 2004; 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, 1,660 microsiemens, June 9; minimum, 170 microsiemens, Sept. 16.

WATER TEMPERATURE: Maximum, 36.0°C, Aug. 4; minimum, 0.0°C, Jan. 27, 30.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,310	1,250	1,270	1,510	1,460	1,490	1,450	1,370	1,420	1,330	1,290	1,310
2	1,330	1,250	1,290	1,520	1,430	1,480	1,450	1,400	1,420	1,320	1,290	1,310
3	1,350	1,270	1,310	1,500	1,420	1,470	1,440	1,360	1,410	1,340	1,300	1,320
4	1,480	1,290	1,400	1,500	1,460	1,480	1,450	1,410	1,420	1,360	1,320	1,340
5	1,460	1,400	1,420	1,500	1,440	1,470	1,450	1,400	1,420	1,370	1,330	1,350
6	1,410	1,400	1,410	1,500	1,450	1,480	1,460	1,390	1,420	1,450	1,270	1,360
7	1,430	1,410	1,420	1,490	1,450	1,470	1,440	1,390	1,410	1,480	1,360	1,410
8	1,420	1,400	1,420	1,480	1,430	1,450	1,440	1,380	1,400	1,410	1,270	1,350
9	1,400	1,260	1,340	1,470	1,420	1,450	1,420	1,340	1,380	1,400	1,300	1,350
10	1,370	1,260	1,340	1,490	1,410	1,450	1,390	1,350	1,370	1,370	1,300	1,340
11	1,260	1,040	1,120	1,500	1,440	1,480	1,410	1,350	1,380	1,380	1,320	1,350
12	1,140	959	1,050	1,460	1,400	1,430	1,420	1,230	1,340	1,400	1,340	1,360
13	1,320	1,130	1,250	1,460	1,350	1,410	1,310	1,200	1,260	1,340	1,280	1,300
14	1,370	1,320	1,350	1,420	1,360	1,380	1,310	1,250	1,280	1,300	1,270	1,280
15	1,400	1,360	1,390	1,410	1,350	1,380	1,300	1,250	1,280	1,310	1,260	1,290
16	1,430	1,400	1,420	1,400	1,340	1,360	1,310	1,260	1,280	1,280	1,210	1,260
17	1,460	1,420	1,440	1,390	1,270	1,330	1,310	1,240	1,280	1,210	1,160	1,190
18	1,480	1,440	1,470	1,320	1,220	1,280	1,320	1,260	1,290	1,200	1,030	1,090
19	1,500	1,460	1,480	1,290	1,230	1,260	1,310	1,250	1,280	1,160	688	1,050
20	1,510	1,470	1,490	1,310	1,210	1,250	1,300	1,250	1,270	748	623	679
21	1,520	1,480	1,500	1,330	1,280	1,310	1,300	1,220	1,260	749	640	690
22	1,520	1,480	1,500	1,380	1,300	1,340	1,300	1,220	1,270	876	749	809
23	1,520	1,490	1,510	1,380	1,320	1,360	1,290	1,220	1,250	980	876	939
24	1,520	1,490	1,510	1,400	1,310	1,360	1,270	1,230	1,250	1,020	980	998
25	1,550	1,480	1,510	1,440	1,340	1,380	1,280	1,230	1,260	1,060	1,010	1,030
26	1,540	1,500	1,520	1,410	1,350	1,390	1,300	1,250	1,270	1,140	1,060	1,110
27	1,540	1,500	1,520	1,450	1,360	1,400	1,290	1,250	1,270	1,230	1,140	1,190
28	1,530	1,490	1,510	1,440	1,380	1,420	1,300	1,240	1,280	1,240	1,170	1,220
29	1,520	1,480	1,500	1,460	1,380	1,410	1,330	1,260	1,290	1,260	1,210	1,230
30	1,530	1,480	1,500	1,490	1,370	1,430	1,320	1,260	1,290	1,260	1,220	1,240
31	1,520	1,460	1,500	---	---	---	1,350	1,260	1,310	1,310	1,240	1,270
MONTH	1,550	959	1,410	1,520	1,210	1,400	1,460	1,200	1,320	1,480	623	1,190

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1,310	1,190	1,260	1,300	1,260	1,280	1,450	1,380	1,420	1,430	1,340	1,400
2	1,260	1,190	1,220	1,300	1,250	1,280	1,480	1,420	1,450	1,490	1,370	1,440
3	1,300	1,240	1,270	1,300	1,220	1,270	1,460	1,450	1,450	1,500	1,460	1,490
4	1,300	1,210	1,260	1,230	301	827	1,460	1,450	1,450	1,520	1,500	1,510
5	1,260	1,210	1,240	350	194	217	1,460	1,450	1,460	1,530	1,520	1,520
6	1,290	1,240	1,260	231	194	209	1,460	1,450	1,450	1,520	1,510	1,520
7	1,290	1,240	1,270	317	231	270	1,460	1,430	1,450	1,510	1,490	1,500
8	1,270	1,220	1,240	485	317	393	1,440	1,420	1,430	1,510	1,490	1,500
9	1,230	1,180	1,210	726	485	607	1,430	1,400	1,420	1,500	1,480	1,490
10	1,210	1,190	1,200	924	726	827	1,430	1,340	1,380	1,510	1,490	1,500
11	1,250	1,210	1,230	1,070	924	1,000	1,400	1,340	1,370	1,510	1,500	1,500
12	1,260	1,220	1,230	1,180	1,040	1,100	1,420	1,150	1,380	1,520	1,500	1,510
13	1,250	1,220	1,240	1,260	1,180	1,220	1,200	1,070	1,130	1,510	1,470	1,510
14	1,250	1,220	1,230	1,330	1,260	1,290	1,380	1,110	1,260	1,520	1,470	1,500
15	1,250	1,220	1,230	1,380	1,330	1,360	1,460	1,380	1,420	1,520	1,510	1,510
16	1,240	1,220	1,230	1,400	1,380	1,400	1,500	1,460	1,480	1,520	1,480	1,500
17	1,250	1,220	1,230	1,420	1,400	1,410	1,500	1,490	1,490	1,530	1,510	1,520
18	1,250	1,220	1,240	1,430	1,410	1,420	1,490	1,490	1,490	1,530	1,520	1,530
19	1,280	1,230	1,250	1,430	1,400	1,420	1,500	1,480	1,490	1,520	1,510	1,520
20	1,280	1,260	1,270	1,410	1,400	1,400	1,500	1,480	1,500	1,540	1,520	1,530
21	1,270	1,250	1,270	1,490	1,400	1,430	1,500	1,460	1,490	1,560	1,540	1,550
22	1,290	1,260	1,280	1,530	1,430	1,480	1,490	1,480	1,490	1,580	1,560	1,570
23	1,290	1,270	1,280	1,490	1,480	1,490	1,490	1,480	1,490	1,600	1,580	1,580
24	1,320	1,280	1,300	1,490	1,480	1,490	1,490	1,480	1,480	1,600	1,580	1,580
25	1,350	1,290	1,320	1,490	1,470	1,480	1,480	1,050	1,400	1,580	1,570	1,580
26	1,340	1,300	1,320	1,480	1,470	1,480	1,360	1,030	1,210	1,600	1,550	1,580
27	1,340	1,300	1,320	1,480	1,460	1,470	1,440	1,360	1,420	1,570	1,510	1,550
28	1,340	1,290	1,330	1,460	926	1,340	1,460	1,440	1,450	1,520	1,480	1,490
29	1,340	1,260	1,300	1,300	911	1,160	1,480	1,460	1,470	1,550	1,500	1,530
30	---	---	---	1,240	1,010	1,090	1,480	1,400	1,460	---	---	---
31	---	---	---	1,380	1,160	1,290	---	---	---	---	---	---
MONTH	1,350	1,180	1,260	1,530	194	1,140	1,500	1,030	1,420	1,600	1,340	1,520
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	1,110	382	715	1,340	1,290	1,310	821	695	731
2	---	---	---	566	382	448	1,410	1,340	1,380	753	685	703
3	1,540	1,470	1,520	520	383	417	1,440	1,400	1,430	917	753	833
4	1,500	1,460	1,480	1,010	520	766	1,440	1,380	1,410	1,050	917	994
5	1,510	1,380	1,470	1,180	1,010	1,100	1,470	1,390	1,420	1,170	1,050	1,120
6	1,550	1,480	1,500	1,240	1,180	1,210	1,450	756	1,270	1,250	1,160	1,210
7	1,560	1,520	1,540	1,230	1,160	1,200	1,440	754	1,130	1,300	1,250	1,270
8	1,620	1,520	1,560	1,240	1,190	1,220	1,450	744	963	1,310	1,250	1,290
9	1,660	1,500	1,590	1,270	1,220	1,250	1,360	755	799	1,330	1,290	1,310
10	1,530	1,440	1,480	1,280	1,240	1,260	1,420	756	956	1,370	1,310	1,330
11	1,540	1,510	1,530	1,240	1,200	1,220	1,380	452	835	1,360	1,290	1,340
12	1,530	1,500	1,520	1,290	1,220	1,250	996	429	713	1,360	996	1,300
13	1,540	1,520	1,530	1,370	1,290	1,340	1,110	993	1,030	1,140	705	794
14	1,530	1,510	1,520	1,370	1,360	1,360	1,310	1,070	1,130	730	706	720
15	1,510	1,500	1,510	1,380	1,360	1,370	1,340	747	1,050	727	705	717
16	1,520	1,510	1,520	1,380	1,360	1,370	1,230	796	1,030	1,330	170	737
17	1,540	1,520	1,530	1,360	1,330	1,350	1,320	1,230	1,290	767	340	618
18	1,540	1,480	1,520	1,350	1,330	1,340	1,370	1,310	1,340	---	---	---
19	1,500	1,300	1,410	1,370	1,330	1,350	1,370	1,280	1,350	---	---	---
20	1,400	1,170	1,290	1,330	1,310	1,330	1,280	559	789	---	---	---
21	1,350	349	971	1,330	1,310	1,320	1,180	877	1,040	1,390	1,340	1,360
22	405	241	342	1,370	1,320	1,350	1,300	1,170	1,230	1,360	1,320	1,340
23	447	338	399	1,400	1,280	1,380	1,320	1,280	1,300	1,320	1,270	1,290
24	486	381	420	1,320	1,180	1,260	1,360	1,310	1,340	1,320	1,260	1,290
25	1,250	486	898	1,390	1,290	1,330	1,330	644	1,050	1,300	1,250	1,280
26	1,380	1,250	1,350	1,420	1,380	1,410	---	---	---	1,290	1,240	1,270
27	1,430	1,380	1,400	1,400	1,340	1,360	---	---	---	1,320	1,280	1,300
28	1,420	1,370	1,390	1,340	1,030	1,260	---	---	---	1,320	1,270	1,300
29	1,380	1,050	1,190	1,030	669	800	878	380	608	1,300	1,240	1,280
30	1,110	861	998	1,090	785	925	1,390	878	1,220	1,310	1,260	1,280
31	---	---	---	1,300	1,090	1,200	1,280	821	962	---	---	---
MONTH	1,660	241	1,300	1,420	382	1,180	1,470	380	1,120	1,390	170	1,110

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.0	14.0	15.6	14.4	12.4	13.4	11.3	6.0	8.3	13.9	8.0	10.8
2	19.3	15.1	16.7	20.3	14.1	17.6	8.9	7.4	8.1	15.2	9.8	12.3
3	23.9	14.7	18.7	23.1	18.8	20.4	10.0	6.4	8.1	13.9	9.9	11.5
4	20.1	17.7	18.8	19.8	13.2	17.9	9.8	4.5	7.0	10.1	3.8	7.0
5	19.4	17.0	18.1	13.2	9.2	11.0	7.2	2.9	5.2	4.4	0.6	2.3
6	19.8	18.0	18.9	9.3	7.2	8.4	7.2	1.5	4.4	4.5	0.4	1.9
7	20.4	18.3	19.3	11.0	7.0	9.0	9.6	3.5	6.4	5.1	1.2	2.5
8	20.9	19.0	20.0	11.2	10.1	10.5	12.5	7.0	9.6	6.1	1.6	3.4
9	21.9	20.2	20.9	11.9	9.8	10.9	11.6	3.8	8.0	6.1	1.1	3.3
10	22.4	20.7	21.5	14.1	11.0	12.5	7.0	1.5	4.0	7.3	1.2	3.9
11	21.7	19.9	20.8	16.6	13.6	15.0	7.1	1.5	4.0	9.6	2.7	5.9
12	21.1	17.4	19.2	16.0	12.1	14.7	3.9	1.3	2.0	10.3	5.3	7.7
13	21.8	17.8	19.5	12.1	9.8	10.7	3.3	1.8	2.8	13.3	8.5	10.6
14	20.8	16.1	18.4	9.8	8.4	9.2	7.1	1.7	4.1	14.1	9.1	10.9
15	20.1	14.9	17.3	13.0	8.9	10.8	9.1	4.8	6.5	11.7	6.4	9.2
16	21.8	15.2	18.0	14.6	8.3	11.5	6.8	2.8	4.8	11.7	10.1	10.8
17	19.8	15.1	17.3	16.9	12.5	15.0	7.8	1.5	4.3	11.1	7.0	9.4
18	21.0	14.3	17.2	15.3	10.7	13.3	8.4	2.9	5.3	7.1	3.9	5.7
19	22.9	16.0	19.0	14.9	8.5	11.5	7.9	2.3	5.0	5.4	1.4	3.2
20	23.7	17.1	20.0	14.9	9.2	11.8	9.0	2.8	5.6	6.3	2.0	3.8
21	24.0	17.6	20.5	14.7	9.6	11.8	10.9	5.0	7.8	8.9	4.1	5.9
22	23.9	17.5	20.3	13.2	9.1	11.4	10.4	7.6	9.2	8.9	3.6	6.0
23	23.7	17.1	20.0	12.6	5.3	8.0	9.6	4.6	7.0	10.5	2.7	6.4
24	23.1	17.4	19.8	8.6	1.8	5.1	9.0	3.7	6.1	12.2	7.5	9.6
25	18.8	13.3	15.3	8.8	3.4	6.0	9.6	3.9	6.5	14.4	10.5	11.8
26	16.7	10.8	13.5	12.3	5.7	8.5	11.6	6.3	8.8	10.8	1.6	6.2
27	17.7	10.5	13.9	9.3	5.7	7.3	13.9	10.7	12.6	4.4	0.0	1.8
28	15.0	12.4	14.1	8.4	2.8	5.6	11.6	7.2	9.3	7.7	0.1	3.4
29	18.2	10.9	14.2	9.8	3.0	6.2	8.4	4.0	6.3	4.7	0.9	2.8
30	19.9	14.1	16.5	11.6	4.5	7.5	8.8	3.1	5.7	4.8	0.0	1.9
31	15.5	12.9	13.9	---	---	---	9.3	4.0	6.6	4.4	0.7	2.5
MONTH	24.0	10.5	18.0	23.1	1.8	11.1	13.9	1.3	6.4	15.2	0.0	6.3
FEBRUARY			MARCH			APRIL			MAY			
1	5.7	3.4	4.8	16.1	7.4	11.2	18.8	14.9	16.9	18.3	16.3	17.2
2	7.0	0.7	3.7	12.0	7.5	10.1	19.4	15.6	17.6	19.9	15.5	17.7
3	6.7	0.7	3.6	10.7	9.5	10.1	19.9	16.0	17.9	20.7	16.3	18.5
4	4.8	2.8	3.5	10.2	8.8	9.4	19.5	15.6	17.6	22.7	17.6	20.0
5	4.8	2.7	3.6	8.8	8.2	8.4	18.7	16.4	17.4	24.2	19.3	21.7
6	4.9	1.5	3.1	9.8	8.2	8.8	17.4	15.6	16.5	26.4	20.6	23.4
7	6.0	0.1	2.5	11.5	9.5	10.5	18.4	16.2	17.0	26.1	21.8	24.0
8	7.6	0.3	3.5	13.0	9.8	11.4	20.2	15.6	17.7	27.4	21.5	24.4
9	8.3	4.0	5.5	14.1	11.0	12.5	20.4	16.5	18.3	25.9	21.8	23.9
10	9.1	2.0	5.5	14.1	10.6	12.4	18.5	12.9	15.5	26.6	21.6	24.0
11	7.8	4.5	5.9	14.8	11.4	12.9	15.6	10.6	13.1	26.9	22.3	24.4
12	6.9	0.5	3.6	13.5	11.9	12.6	15.8	12.4	14.0	27.3	22.4	24.6
13	4.7	0.3	2.7	12.4	11.3	11.7	16.7	10.8	13.7	25.6	18.5	22.9
14	7.6	2.7	4.5	15.7	11.0	12.9	19.0	12.2	15.4	20.6	15.6	17.9
15	8.3	2.3	4.7	14.5	12.3	13.1	21.6	14.3	17.7	23.9	16.5	20.1
16	11.1	2.6	6.3	14.5	10.3	12.3	23.2	18.2	20.6	24.4	19.3	21.9
17	12.0	3.8	7.5	18.5	10.9	14.4	23.9	19.7	21.8	27.3	20.6	23.7
18	12.8	5.3	8.8	20.7	14.0	17.1	22.4	20.1	20.8	27.6	22.3	24.8
19	15.9	8.5	11.7	22.5	16.7	19.2	20.6	19.2	19.9	29.7	23.1	26.2
20	14.6	8.4	11.1	22.0	17.7	19.8	21.5	19.1	20.3	30.4	23.5	26.7
21	15.3	6.7	10.5	17.7	13.3	15.3	21.6	19.7	20.6	28.7	23.7	26.0
22	14.8	8.3	11.1	14.5	12.8	13.8	22.6	19.9	21.2	28.5	22.4	25.3
23	12.4	10.5	11.6	16.9	11.5	14.1	21.6	18.1	19.5	31.4	22.6	26.8
24	10.5	6.1	7.8	16.5	15.2	15.8	19.4	16.9	18.0	31.6	24.5	27.7
25	10.3	3.8	6.5	19.5	16.2	17.5	19.8	16.8	18.4	26.6	22.4	24.4
26	13.1	3.1	7.5	20.6	18.0	19.3	21.4	17.6	19.4	26.6	21.2	23.8
27	14.8	5.4	9.5	19.5	18.4	18.9	22.5	18.6	20.5	26.2	22.5	24.3
28	11.9	7.7	9.7	19.7	16.4	18.0	21.8	19.5	20.7	31.2	21.7	25.9
29	14.6	9.6	11.1	19.4	16.1	17.7	21.9	18.8	20.3	29.3	22.9	25.8
30	---	---	---	18.6	15.9	17.4	21.4	18.3	19.8	30.5	22.9	26.0
31	---	---	---	18.4	15.1	16.8	---	---	---	---	---	---
MONTH	15.9	0.1	6.6	22.5	7.4	14.0	23.9	10.6	18.3	31.6	15.5	23.5

07239700 NORTH CANADIAN RIVER NEAR YUKON, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	25.5	23.5	24.2	34.9	25.6	29.7	29.9	23.1	26.3
2	---	---	---	26.7	23.9	25.3	35.6	26.6	30.5	29.4	23.2	25.9
3	29.2	20.7	24.5	29.9	26.0	27.7	35.0	26.5	30.2	29.9	22.0	25.3
4	26.4	21.3	23.6	31.1	27.9	29.4	36.0	26.5	30.5	31.1	22.6	26.0
5	30.0	20.9	24.7	31.0	27.8	29.4	31.1	26.5	28.6	31.4	23.5	26.7
6	32.6	23.2	27.2	29.8	26.7	28.3	27.6	23.4	25.7	29.4	22.6	25.6
7	27.1	23.1	25.1	29.5	26.9	28.2	30.2	23.1	26.1	27.9	20.5	23.6
8	28.0	22.3	24.9	31.0	27.5	29.1	28.1	23.1	25.3	28.0	19.0	22.8
9	24.3	22.5	23.4	30.0	27.9	28.7	33.6	23.2	27.7	28.8	18.3	22.9
10	26.4	22.4	24.2	31.4	26.4	28.7	33.8	24.9	28.7	29.2	19.3	23.5
11	28.2	24.2	26.2	32.6	26.8	29.5	28.2	20.8	24.5	29.8	20.3	24.4
12	29.1	25.9	27.4	33.0	26.9	29.9	28.1	21.3	24.4	30.8	21.7	25.3
13	28.9	25.9	27.5	33.8	27.5	30.4	30.3	21.9	25.7	30.0	21.7	25.0
14	30.8	26.4	28.5	31.9	28.1	30.2	27.7	22.3	25.0	29.7	22.4	25.2
15	29.4	27.1	28.2	34.5	28.4	31.3	25.3	20.5	22.5	28.6	23.0	25.5
16	30.1	26.0	28.0	32.5	28.2	30.3	28.5	21.4	24.4	31.2	22.6	25.3
17	30.9	25.4	28.1	31.3	27.4	29.2	30.5	23.0	26.5	31.6	23.4	26.4
18	30.1	25.1	27.6	32.7	26.1	29.2	30.7	23.6	26.9	31.3	23.8	26.8
19	27.7	23.2	25.7	33.7	26.4	29.9	28.2	24.6	26.1	29.6	21.7	25.1
20	28.2	22.9	25.2	33.9	27.0	30.2	25.4	21.5	22.7	28.2	19.6	23.3
21	26.7	23.2	24.8	33.6	26.5	29.8	28.3	19.4	23.4	29.0	20.7	24.1
22	23.7	21.3	22.5	33.1	26.0	29.2	30.3	22.7	26.0	26.3	20.7	23.4
23	25.8	22.8	24.1	33.6	26.3	29.3	31.6	23.8	27.3	23.9	21.1	22.1
24	27.9	23.5	25.6	27.5	24.0	25.8	32.3	24.4	28.0	28.7	20.3	23.6
25	27.1	25.1	25.9	24.6	21.2	23.0	31.4	25.7	27.9	27.3	19.3	23.0
26	27.4	24.7	26.1	30.0	21.2	25.1	33.1	24.6	28.1	28.3	20.2	23.5
27	27.8	25.3	26.6	29.3	22.8	26.0	33.0	24.6	28.1	27.7	19.8	23.1
28	28.0	25.8	26.8	26.4	22.6	23.9	26.5	22.0	24.5	25.6	18.7	22.0
29	27.0	24.4	25.4	22.7	21.3	22.1	30.2	21.5	25.2	26.5	18.8	22.3
30	26.0	23.8	24.7	30.1	21.6	25.0	27.5	22.1	24.6	23.1	18.9	21.0
31	---	---	---	33.9	24.1	28.4	29.9	22.0	25.7	---	---	---
MONTH	32.6	20.7	25.8	34.5	21.2	28.0	36.0	19.4	26.5	31.6	18.3	24.3

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 sea level. 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.

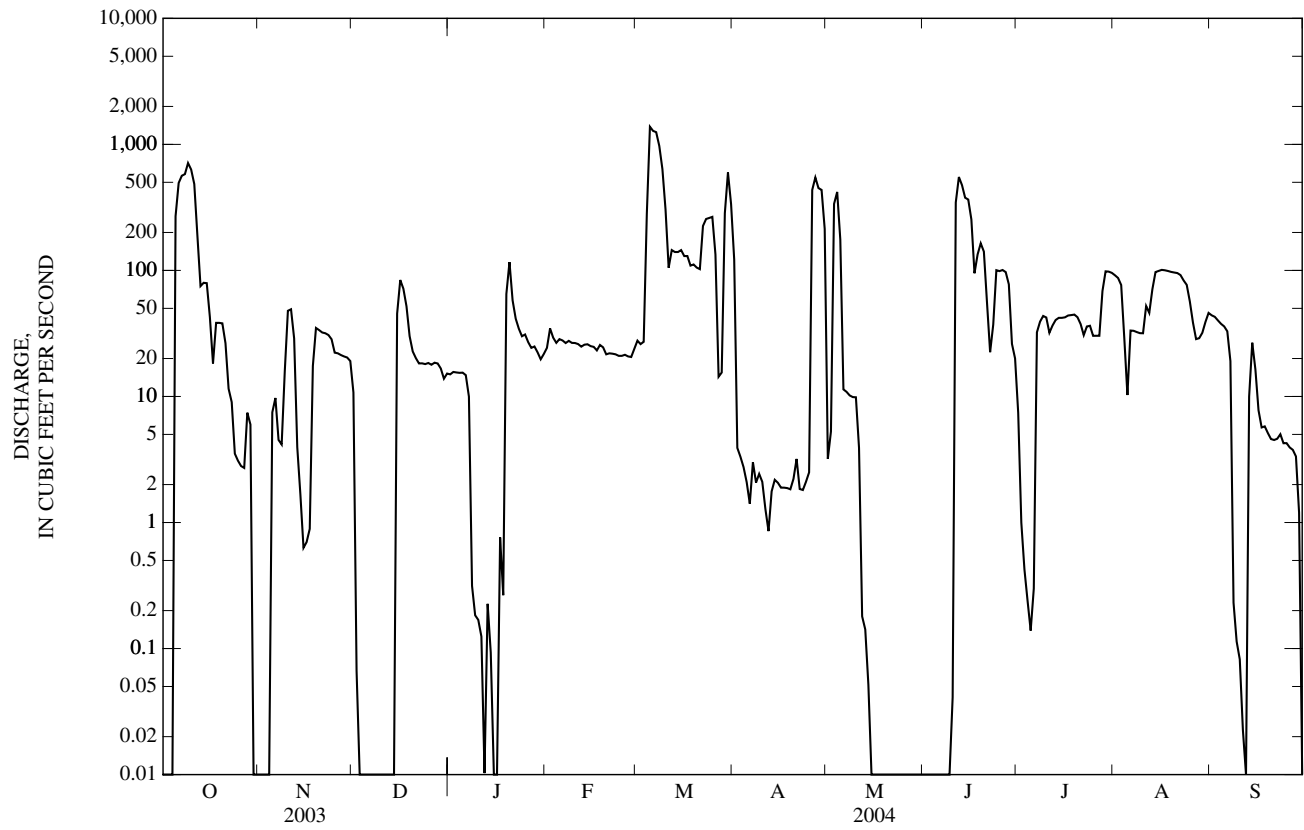
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,630 ft³/s, Dec. 17, 1999; no flow at times in each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	11	15	24	28	122	3.2	0.00	7.4	92	44
2	0.00	0.00	0.07	16	35	26	3.9	5.3	0.00	1.00	87	43
3	0.00	0.00	0.00	16	29	27	3.3	337	0.00	0.42	77	40
4	0.00	0.00	0.00	15	27	280	2.7	420	0.00	0.24	29	38
5	269	7.5	0.00	15	29	1,380	2.1	176	0.00	0.14	10	36
6	494	9.7	0.00	15	28	1,280	1.4	11	0.00	0.30	33	33
7	563	4.5	0.00	10	27	1,250	3.0	11	0.00	32	33	19
8	581	4.2	0.00	0.31	28	972	2.1	10	0.00	39	32	0.23
9	711	16	0.00	0.18	27	637	2.4	9.9	0.00	44	32	0.11
10	631	48	0.00	0.17	27	304	2.1	9.9	0.04	42	32	0.08
11	485	49	0.00	0.12	26	e105	1.3	3.9	346	32	52	0.02
12	189	29	0.00	0.01	25	e145	0.85	0.18	551	37	46	0.00
13	75	4.0	0.00	0.23	26	e140	1.8	0.14	475	40	71	10
14	80	1.7	0.00	0.09	26	e140	2.2	0.05	378	42	97	27
15	79	0.63	45	0.00	25	145	2.1	0.00	365	42	99	16
16	43	e0.70	84	0.00	25	e130	1.9	0.00	254	42	101	7.8
17	18	0.89	72	0.76	23	130	1.9	0.00	95	44	100	5.7
18	38	17	52	0.26	26	109	1.9	0.00	134	44	99	5.8
19	38	35	30	65	25	111	1.8	0.00	164	45	97	5.1
20	38	34	23	116	22	105	2.2	0.00	141	43	96	4.6
21	26	32	20	58	22	102	3.2	0.00	56	38	95	4.5
22	12	32	18	41	22	225	1.8	0.00	22	31	92	4.6
23	9.0	31	18	34	22	256	1.8	0.00	37	36	83	5.0
24	3.5	28	18	30	21	261	2.1	0.00	100	36	77	4.3
25	3.1	22	18	31	21	266	2.5	0.00	99	30	57	4.3
26	2.8	22	18	27	21	133	435	0.00	101	30	39	3.9
27	2.7	21	19	24	21	14	546	0.00	97	30	29	3.8
28	7.4	21	18	25	21	15	450	0.00	78	69	29	3.3
29	6.0	20	17	22	24	284	435	0.00	26	98	e32	1.2
30	0.00	19	14	20	---	598	213	0.00	20	98	e39	0.00
31	0.00	---	15	22	---	336	---	0.00	---	96	46	---
TOTAL	4,404.50	509.82	510.07	619.13	725	9,934	2,253.35	997.57	3,539.04	1,169.50	1,933	370.34
MEAN	142	17.0	16.5	20.0	25.0	320	75.1	32.2	118	37.7	62.4	12.3
MAX	711	49	84	116	35	1,380	546	420	551	98	101	44
MIN	0.00	0.00	0.00	0.00	21	14	0.85	0.00	0.00	0.14	10	0.00
AC-FT	8,740	1,010	1,010	1,230	1,440	19,700	4,470	1,980	7,020	2,320	3,830	735
CAL YR	2003	TOTAL	13,827.88	MEAN	37.9	MAX	724	MIN	0.00	AC-FT	27430	
WTR YR	2004	TOTAL	26,965.32	MEAN	73.7	MAX	1380	MIN	0.00	AC-FT	53490	

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 ¼ SW ¼ 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 sea level.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,244.21 ft, Mar. 7, 20, 2004, minimum elevation observed, 1237.12 ft, Apr. 8, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,244.21 ft, Mar. 7, minimum elevation observed, 1237.86, June 6.

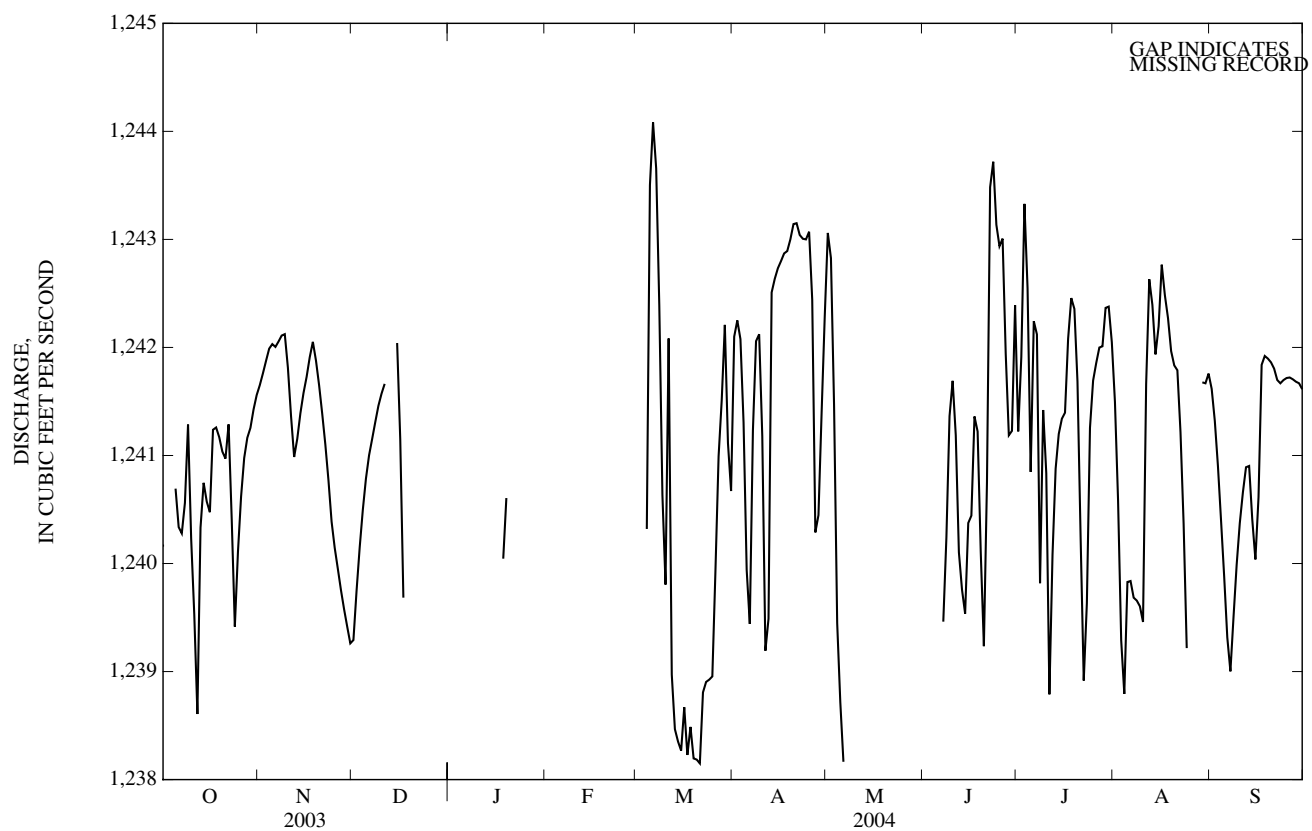
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,240.31	1,239.96	1,240.17	1,241.71	1,241.60	1,241.65	1,239.51	1,239.18	1,239.29	---	---	---
2	---	---	---	1,241.82	1,241.70	1,241.76	1,239.97	1,239.51	1,239.75	---	---	---
3	---	---	---	1,241.93	1,241.82	1,241.88	1,240.33	1,239.97	1,240.15	---	---	---
4	---	---	---	1,242.04	1,241.93	1,241.99	1,240.65	1,240.33	1,240.50	---	---	---
5	1,241.88	1,238.82	1,240.69	1,242.09	1,241.96	1,242.03	1,240.91	1,240.65	1,240.79	---	---	---
6	1,240.50	1,240.25	1,240.34	1,242.03	1,241.98	1,242.01	1,241.08	1,240.91	1,241.00	---	---	---
7	1,240.40	1,240.18	1,240.28	1,242.08	1,242.02	1,242.06	1,241.23	1,241.07	1,241.15	---	---	---
8	1,240.73	1,240.39	1,240.56	1,242.14	1,242.08	1,242.11	1,241.38	1,241.22	1,241.31	---	---	---
9	1,241.56	1,240.73	1,241.29	1,242.17	1,242.00	1,242.12	1,241.56	1,241.37	1,241.46	---	---	---
10	1,240.97	1,239.89	1,240.23	1,242.01	1,241.61	1,241.81	1,241.61	1,241.53	1,241.57	---	---	---
11	1,240.01	1,238.55	1,239.53	1,241.61	1,241.10	1,241.37	1,241.72	1,241.61	1,241.66	---	---	---
12	1,239.69	1,238.17	1,238.61	1,241.10	1,240.89	1,240.99	---	---	---	---	---	---
13	1,240.69	1,239.69	1,240.33	1,241.27	1,241.04	1,241.15	---	---	---	---	---	---
14	1,240.78	1,240.69	1,240.75	1,241.50	1,241.27	1,241.39	---	---	---	---	---	---
15	1,240.73	1,240.37	1,240.57	1,241.66	1,241.50	1,241.58	1,242.22	1,241.69	1,242.04	---	---	---
16	1,240.98	1,240.16	1,240.47	1,241.80	1,241.66	1,241.73	1,241.69	1,240.52	1,241.15	---	---	---
17	1,241.34	1,240.98	1,241.24	1,242.04	1,241.79	1,241.91	1,240.52	1,238.81	1,239.68	---	---	---
18	1,241.29	1,241.22	1,241.26	1,242.12	1,241.98	1,242.05	---	---	---	1,240.53	1,239.45	1,240.05
19	1,241.22	1,241.11	1,241.17	1,241.98	1,241.77	1,241.88	---	---	---	1,241.09	1,239.82	1,240.61
20	1,241.12	1,240.96	1,241.04	1,241.77	1,241.51	1,241.65	---	---	---	---	---	---
21	1,241.13	1,240.87	1,240.97	1,241.52	1,241.25	1,241.39	---	---	---	---	---	---
22	1,241.42	1,241.13	1,241.29	1,241.25	1,240.91	1,241.10	---	---	---	---	---	---
23	1,241.53	1,238.48	1,240.41	1,240.93	1,240.57	1,240.77	---	---	---	---	---	---
24	1,239.81	1,238.95	1,239.42	1,240.57	1,240.25	1,240.39	---	---	---	---	---	---
25	1,240.38	1,239.81	1,240.11	1,240.25	1,240.04	1,240.15	---	---	---	---	---	---
26	1,240.84	1,240.38	1,240.62	1,240.04	1,239.86	1,239.95	---	---	---	---	---	---
27	1,241.09	1,240.84	1,240.98	1,239.86	1,239.67	1,239.76	---	---	---	---	---	---
28	1,241.20	1,241.09	1,241.16	1,239.67	1,239.48	1,239.58	---	---	---	---	---	---
29	1,241.35	1,241.20	1,241.26	1,239.48	1,239.33	1,239.42	---	---	---	---	---	---
30	1,241.51	1,241.33	1,241.43	1,239.35	1,239.20	1,239.26	---	---	---	---	---	---
31	1,241.60	1,241.51	1,241.56	---	---	---	---	---	---	---	---	---
MONTH	1241.88	1,238.17	1,240.63	1,242.17	1,239.20	1,241.23	1,242.22	1,238.81	1,240.82	1,241.09	1,239.45	1,240.33

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	1,242.21	1,241.78	1,242.10	1,243.10	1,243.01	1,243.06
2	---	---	---	---	---	---	1,242.28	1,242.20	1,242.25	1,243.03	1,242.47	1,242.83
3	---	---	---	---	---	---	1,242.28	1,241.75	1,242.08	1,242.48	1,239.83	1,241.46
4	---	---	---	1,242.40	1,238.77	1,240.32	1,241.75	1,240.73	1,241.31	1,239.83	1,239.26	1,239.45
5	---	---	---	1,244.07	1,242.40	1,243.50	1,240.73	1,239.18	1,239.94	1,239.37	1,238.18	1,238.72
6	---	---	---	1,244.18	1,243.96	1,244.08	1,240.49	1,238.78	1,239.44	1,238.24	1,238.05	1,238.16
7	---	---	---	1,244.21	1,242.76	1,243.66	1,241.77	1,240.49	1,241.23	---	---	---
8	---	---	---	1,242.96	1,241.72	1,242.39	1,242.28	1,241.75	1,242.06	---	---	---
9	---	---	---	1,241.80	1,239.61	1,240.64	1,242.40	1,241.75	1,242.12	---	---	---
10	---	---	---	1,241.69	1,239.16	1,239.81	1,241.75	1,240.37	1,241.18	---	---	---
11	---	---	---	1,242.67	1,240.60	1,242.08	1,240.39	1,238.31	1,239.19	---	---	---
12	---	---	---	1,240.60	1,238.53	1,238.97	1,242.01	1,238.20	1,239.49	---	---	---
13	---	---	---	1,238.56	1,238.40	1,238.47	1,242.68	1,242.01	1,242.51	---	---	---
14	---	---	---	1,238.41	1,238.30	1,238.35	1,242.73	1,242.53	1,242.63	---	---	---
15	---	---	---	1,238.32	1,238.22	1,238.27	1,242.78	1,242.67	1,242.73	---	---	---
16	---	---	---	1,239.66	1,238.23	1,238.67	1,242.86	1,242.73	1,242.80	---	---	---
17	---	---	---	1,238.40	1,238.13	1,238.23	1,242.91	1,242.85	1,242.87	---	---	---
18	---	---	---	1,239.36	1,238.13	1,238.49	1,242.94	1,242.86	1,242.89	---	---	---
19	---	---	---	1,238.32	1,238.10	1,238.20	1,243.12	1,242.89	1,243.00	---	---	---
20	---	---	---	1,238.26	1,238.11	1,238.18	1,243.18	1,243.08	1,243.14	---	---	---
21	---	---	---	1,238.45	1,238.07	1,238.15	1,243.20	1,243.11	1,243.15	---	---	---
22	---	---	---	1,238.91	1,238.45	1,238.81	1,243.14	1,242.98	1,243.04	---	---	---
23	---	---	---	1,238.98	1,238.84	1,238.90	1,243.03	1,242.95	1,243.01	---	---	---
24	---	---	---	1,238.96	1,238.88	1,238.92	1,243.04	1,242.94	1,243.00	---	---	---
25	---	---	---	1,238.97	1,238.93	1,238.95	1,243.16	1,242.99	1,243.07	---	---	---
26	---	---	---	1,241.41	1,238.93	1,239.93	1,243.17	1,241.09	1,242.44	---	---	---
27	---	---	---	1,241.12	1,240.91	1,240.99	1,241.09	1,240.04	1,240.29	---	---	---
28	---	---	---	1,241.74	1,240.90	1,241.51	1,241.11	1,240.01	1,240.45	---	---	---
29	---	---	---	1,242.69	1,241.74	1,242.21	1,241.59	1,241.10	1,241.39	---	---	---
30	---	---	---	1,241.89	1,240.13	1,241.12	1,243.06	1,241.55	1,242.28	---	---	---
31	---	---	---	1,241.78	1,239.78	1,240.67	---	---	---	---	---	---
MONTH	---	---	---	1,244.21	1,238.07	1,240.09	1,243.20	1,238.20	1,241.90	1,243.10	1,238.05	1,240.61
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	1,242.50	1,239.51	1,241.22	1,241.84	1,241.11	1,241.49	1,241.74	1,241.48	1,241.62
2	---	---	---	1,243.44	1,239.53	1,241.91	1,241.13	1,239.97	1,240.58	1,241.49	1,241.14	1,241.32
3	---	---	---	1,243.48	1,243.12	1,243.33	1,239.98	1,238.61	1,239.29	1,241.15	1,240.65	1,240.90
4	---	---	---	1,243.14	1,241.48	1,242.55	1,239.46	1,238.31	1,238.79	1,240.66	1,240.13	1,240.40
5	---	---	---	1,241.70	1,239.64	1,240.85	1,239.99	1,239.40	1,239.83	1,240.14	1,239.59	1,239.88
6	---	---	---	1,242.53	1,241.69	1,242.24	1,239.92	1,239.75	1,239.84	1,239.59	1,239.06	1,239.32
7	1,239.89	1,238.95	1,239.46	1,242.78	1,240.93	1,242.12	1,239.80	1,239.58	1,239.68	1,239.22	1,238.83	1,239.00
8	1,240.65	1,239.89	1,240.24	1,240.95	1,238.89	1,239.82	1,239.77	1,239.53	1,239.66	1,239.75	1,239.22	1,239.51
9	1,241.72	1,240.63	1,241.36	1,241.55	1,240.93	1,241.42	1,239.71	1,239.50	1,239.60	1,240.19	1,239.74	1,239.99
10	1,241.81	1,241.59	1,241.69	1,241.52	1,239.46	1,240.84	1,239.55	1,239.39	1,239.46	1,240.51	1,240.18	1,240.37
11	1,242.14	1,240.07	1,241.19	1,239.51	1,238.16	1,238.79	1,242.79	1,239.38	1,241.66	1,240.82	1,240.49	1,240.66
12	1,240.23	1,239.96	1,240.10	1,240.51	1,239.50	1,240.08	1,242.80	1,242.50	1,242.63	1,240.99	1,240.79	1,240.89
13	1,240.17	1,239.50	1,239.76	1,241.14	1,240.42	1,240.88	1,242.57	1,242.16	1,242.39	1,241.05	1,240.68	1,240.90
14	1,239.99	1,239.35	1,239.54	1,241.30	1,241.08	1,241.20	1,242.22	1,241.62	1,241.94	1,240.69	1,240.12	1,240.41
15	1,240.59	1,239.96	1,240.38	1,241.41	1,241.29	1,241.34	1,242.94	1,241.51	1,242.20	1,240.17	1,239.95	1,240.04
16	1,241.11	1,239.78	1,240.44	1,241.76	1,241.16	1,241.40	1,242.96	1,242.56	1,242.77	1,241.44	1,240.04	1,240.61
17	1,241.47	1,241.10	1,241.36	1,242.36	1,241.74	1,242.08	1,242.59	1,242.35	1,242.48	1,241.96	1,241.44	1,241.84
18	1,241.52	1,240.48	1,241.22	1,242.52	1,242.32	1,242.46	1,242.41	1,242.10	1,242.27	1,242.13	1,241.87	1,241.92
19	1,240.48	1,239.74	1,240.11	1,242.53	1,242.10	1,242.36	1,242.15	1,241.75	1,241.97	1,241.96	1,241.84	1,241.90
20	1,239.92	1,238.61	1,239.23	1,242.10	1,241.09	1,241.68	1,241.96	1,241.69	1,241.83	1,241.91	1,241.81	1,241.86
21	1,242.64	1,238.32	1,240.75	1,241.14	1,239.17	1,240.24	1,241.95	1,241.57	1,241.79	1,241.86	1,241.70	1,241.80
22	1,243.94	1,242.64	1,243.48	1,239.34	1,238.45	1,238.92	1,241.58	1,240.80	1,241.22	1,241.75	1,241.65	1,241.70
23	1,243.94	1,243.42	1,243.72	1,240.26	1,239.34	1,239.63	1,240.84	1,239.75	1,240.37	1,241.69	1,241.63	1,241.67
24	1,243.44	1,242.87	1,243.14	1,241.63	1,240.26	1,241.26	1,239.80	1,238.54	1,239.22	1,241.72	1,241.67	1,241.70
25	1,242.97	1,242.87	1,242.94	1,241.77	1,241.59	1,241.69	---	---	---	1,241.73	1,241.70	1,241.72
26	1,243.10	1,242.95	1,243.01	1,241.95	1,241.77	1,241.86	---	---	---	1,241.74	1,241.71	1,241.72
27	1,243.08	1,239.96	1,241.94	1,242.05	1,241.94	1,242.00	---	---	---	1,241.73	1,241.68	1,241.70
28	1,241.39	1,240.90	1,241.19	1,242.09	1,241.87	1,242.01	---	---	---	1,241.70	1,241.66	1,241.68
29	1,242.19	1,240.66	1,241.23	1,242.59	1,241.85	1,242.37	1,241.74	1,241.48	1,241.68	1,241.71	1,241.63	1,241.67
30	1,242.61	1,242.19	1,242.39	1,242.51	1,242.21	1,242.38	1,241.77	1,241.58	1,241.67	1,241.64	1,241.59	1,241.61
31	---	---	---	1,242.26	1,241.82	1,242.05	1,241.80	1,241.69	1,241.76	---	---	---
MONTH	1243.94	1,238.32	1,241.24	1,243.48	1,238.16	1,241.39	1,242.96	1,238.31	1,241.04	1,242.13	1,238.83	1,241.01
YEAR	1,244.21	1,238.05	1,241.05									

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 sea level. 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. Water diverted for municipal water supply by Oklahoma City. 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, 16,940 acre-ft, July 4, elevation 1,242.16 ft; minimum, 4,960 acre-ft, Dec. 30, elevation, 1,233.96 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 0800 HOURS

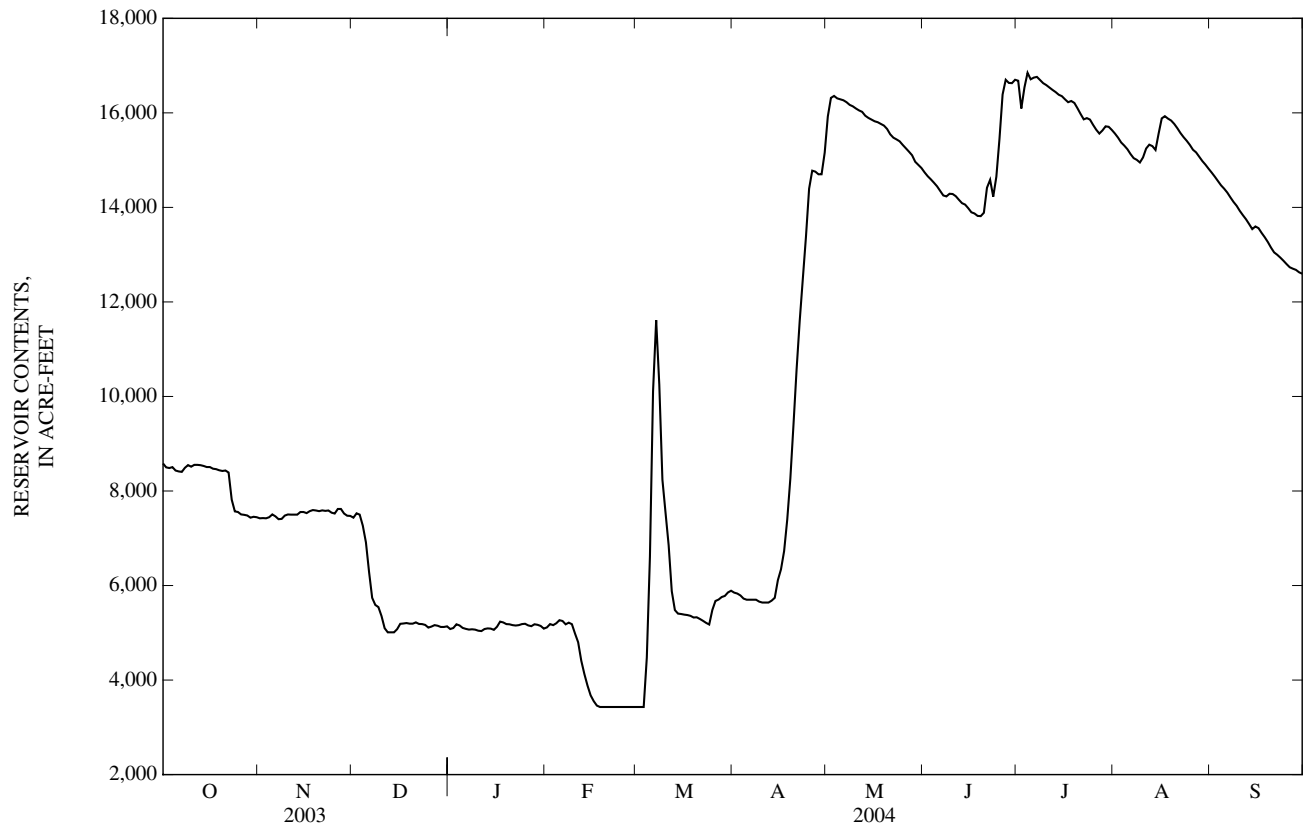
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,610	7,430	7,470	5,140	5,060	e3,430	e5,890	15,380	14,800	16,730	15,610	14,790
2	8,570	7,420	7,420	5,050	5,140	e3,430	e5,830	16,190	14,710	16,650	15,540	14,710
3	8,470	7,430	7,580	5,130	5,210	e3,430	e5,830	16,380	14,630	15,810	15,440	14,620
4	8,500	7,420	7,460	5,210	5,140	e3,430	e5,770	16,350	14,570	16,900	15,340	14,530
5	8,510	7,460	7,170	5,130	5,230	5,000	e5,700	16,290	14,500	16,820	15,290	14,440
6	8,400	7,530	6,780	5,090	5,280	7,420	e5,700	16,290	14,420	16,650	15,200	14,370
7	8,420	7,430	e6,040	5,080	5,230	11,450	e5,700	16,260	14,310	16,790	15,090	14,280
8	8,400	7,390	e5,590	5,060	5,150	11,700	e5,700	16,210	14,220	16,750	15,020	14,180
9	8,540	7,420	e5,590	5,080	5,250	9,530	e5,700	16,150	14,240	16,670	15,000	14,080
10	8,550	7,510	e5,520	5,060	5,150	7,600	e5,640	16,130	14,310	16,610	14,920	14,010
11	8,500	7,500	e5,270	5,040	e4,900	7,510	e5,640	16,070	14,270	16,580	15,120	13,890
12	8,580	7,500	e5,010	5,040	e4,750	6,520	e5,640	16,040	14,220	16,520	15,310	13,810
13	8,540	7,500	e5,010	5,100	e4,240	5,560	e5,640	16,010	14,130	16,470	15,340	13,720
14	8,550	7,500	e5,010	5,090	e4,070	5,440	e5,700	15,900	14,070	16,420	15,280	13,610
15	e8,520	7,580	e5,010	5,090	e3,790	5,390	e5,760	15,890	14,050	16,360	15,180	13,510
16	8,500	7,540	e5,110	5,050	e3,620	5,400	e6,290	15,840	13,950	16,350	15,750	13,640
17	8,510	7,530	5,230	5,170	e3,520	5,380	e6,370	15,810	13,870	16,260	15,950	13,520
18	8,450	7,600	5,180	5,270	e3,430	5,380	6,910	15,800	13,870	16,210	15,920	13,430
19	8,470	7,600	5,220	5,190	e3,430	5,350	7,640	15,750	13,790	16,270	15,860	13,340
20	8,420	7,580	5,180	5,180	e3,430	5,310	8,580	15,720	13,830	16,180	15,830	13,230
21	8,420	7,570	e5,200	5,180	e3,430	5,340	9,810	15,630	13,920	16,060	15,740	13,110
22	8,440	7,600	5,230	5,150	e3,430	5,270	10,960	15,510	14,670	15,930	15,640	13,020
23	8,370	7,570	5,170	5,150	e3,430	5,250	11,920	15,460	14,540	15,830	15,540	12,990
24	7,540	7,600	5,190	5,170	e3,430	5,190	12,790	15,430	14,070	15,920	15,460	12,910
25	7,580	7,510	5,150	5,190	e3,430	5,170	13,670	15,380	14,940	15,830	15,380	12,850
26	7,540	7,530	5,090	5,190	e3,430	e5,640	14,760	15,290	15,700	15,700	15,290	12,770
27	7,490	7,670	5,150	e5,140	e3,430	e5,690	14,790	15,230	16,730	15,610	15,180	12,710
28	7,500	7,600	5,170	e5,140	e3,430	e5,710	14,740	15,150	16,680	15,540	15,150	12,700
29	7,470	7,490	5,140	5,200	e3,430	e5,780	14,680	15,080	16,610	15,670	15,030	12,670
30	7,420	7,470	5,110	5,150	---	e5,780	14,710	14,910	16,640	15,740	14,960	12,610
31	7,470	---	5,130	5,140	---	e5,890	---	14,890	---	15,690	14,880	---
MAX	8,610	7,670	7,580	5,270	5,280	11,700	14,790	16,380	16,730	16,900	15,950	14,790
MIN	7,420	7,390	5,010	5,040	3,430	3,430	5,640	14,890	13,790	15,540	14,880	12,610
(‡)	1235.83	1235.93	1234.08	1234.07	--	--	1240.96	1240.77	1241.95	1241.30	1240.77	1239.31
(‡‡)	-1250	--	-2340	+10	-1710	+2460	+8820	+180	+1750	-950	-810	-2270
CAL YR 2003 MAX 16350 MIN 5010 (‡‡) -2590												
WTR YR 2004 MAX 16900 MIN 3430 (‡‡) +3890												

e Estimated

(‡) 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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	e32	e8.2	e10	e6.6	e3.8	245	9.3	51	954	18	16
2	105	e31	e7.9	e10	e6.4	e3.8	473	224	53	950	16	16
3	e4.2	e31	e7.4	e10	e6.1	e3.7	495	110	50	779	16	16
4	3.5	30	e150	e9.5	e5.8	e20	504	4.9	31	592	15	15
5	4.0	e28	200	e9.8	e5.5	e18	e380	341	17	610	15	14
6	3.4	e27	e240	e9.5	e5.2	e15	191	340	17	485	14	13
7	3.1	e26	e220	e20	e4.9	257	e105	261	16	860	13	13
8	3.3	e24	e140	83	e4.0	824	e125	201	16	663	14	13
9	9.3	e23	e50	e25	e4.0	e950	e250	195	53	371	13	13
10	3.1	e22	e120	e21	e5.9	459	e230	182	126	357	14	14
11	e3.0	e21	185	e21	113	429	205	175	72	184	65	14
12	e3.0	e20	112	e23	e110	657	182	168	7.0	96	24	14
13	e2.9	e20	56	e18	e105	366	96	159	5.5	96	21	14
14	e2.8	e20	56	e12	e115	e40	151	120	4.7	95	20	13
15	e2.8	e19	55	e10	e110	e25	2.7	133	4.7	94	52	13
16	e2.8	e19	e35	e7.0	126	e12	2.5	163	4.4	69	26	16
17	e2.7	e19	e30	e4.5	78	e8.5	2.2	159	4.5	20	22	13
18	e2.7	e18	e27	e3.5	e35	e5.5	1.9	155	4.9	19	21	13
19	e2.7	e18	e26	e2.8	e15	e2.1	1.7	153	7.9	86	20	13
20	e2.7	18	e24	e1.8	e9.5	e1.8	1.9	139	4.6	108	21	12
21	e2.6	e16	e23	e42	e6.3	e1.7	1.7	112	23	101	20	12
22	3.5	e14	e22	e21	e5.0	e1.4	1.8	103	981	41	19	12
23	475	e13	e21	e18	4.0	0.94	1.9	94	1,060	18	18	12
24	57	e11	e19	e15	e4.0	e1.1	1.8	82	367	26	17	12
25	e49	e10	e17	e11	e3.9	e1.1	1.7	75	5.8	20	16	12
26	e43	e9.5	e16	e8.5	e3.9	15	1.6	75	6.2	17	16	12
27	e38	e9.3	e15	e8.0	e3.9	302	1.4	77	602	18	15	12
28	e35	e9.1	e14	e7.8	e3.8	377	1.3	70	444	19	16	12
29	e34	e8.8	e12	e7.5	e3.9	185	1.3	e65	382	49	17	11
30	33	e8.6	e12	e7.2	---	e25	3.0	e60	426	20	16	12
31	e33	---	e11	e6.8	---	e20	---	e55	---	19	17	---
TOTAL	989.1	575.3	1,931.5	464.2	909.6	5,031.44	3,662.4	4,260.2	4,847.2	7,836	627	397
MEAN	31.9	19.2	62.3	15.0	31.4	162	122	137	162	253	20.2	13.2
MAX	475	32	240	83	126	950	504	341	1,060	954	65	16
MIN	2.6	8.6	7.4	1.8	3.8	0.94	1.3	4.9	4.4	17	13	11
AC-FT	1,960	1,140	3,830	921	1,800	9,980	7,260	8,450	9,610	15,540	1,240	787

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

	MEAN	172	125	109	111	138	194	189	337	420	165	97.1	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)	

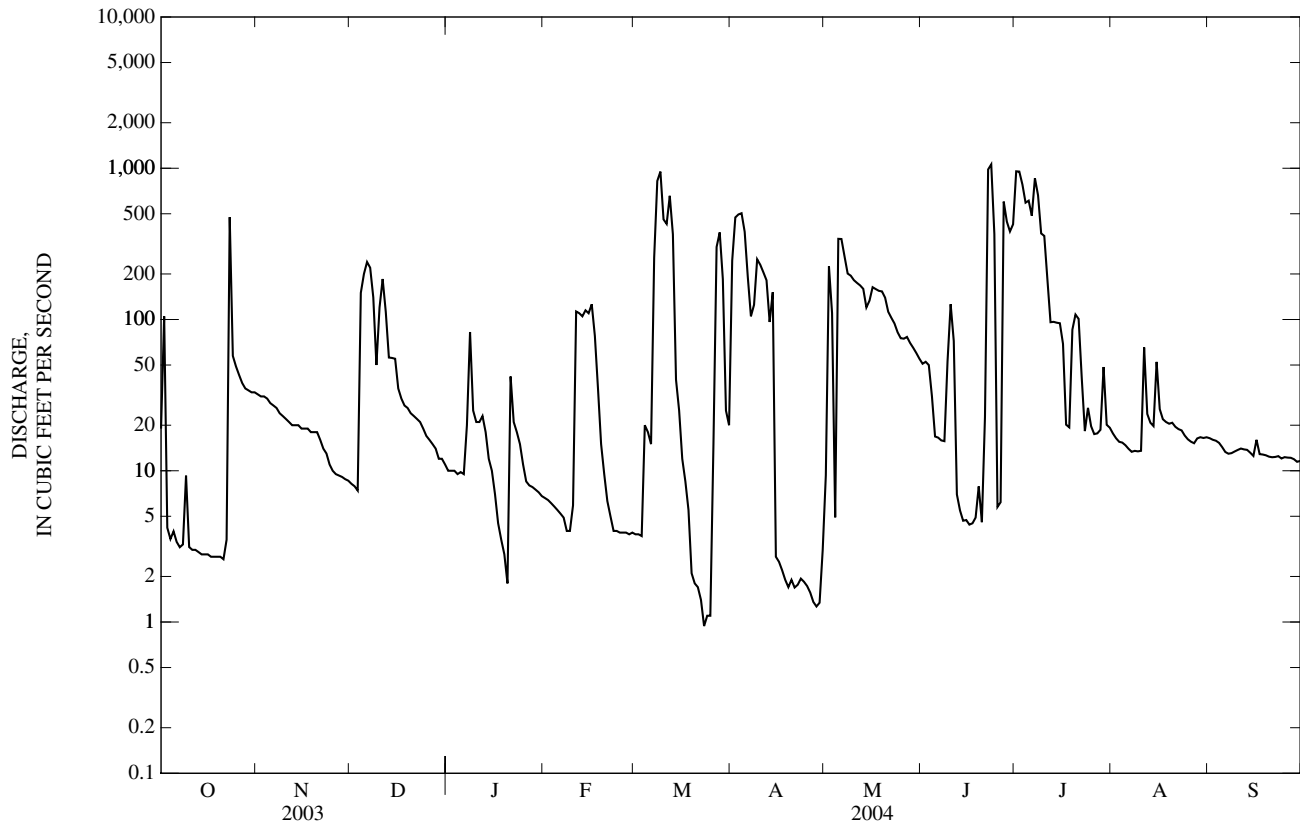
e Estimated

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004	
ANNUAL TOTAL	34,060.1		31,530.94		180	
ANNUAL MEAN	93.3		86.2		749	
HIGHEST ANNUAL MEAN					0.42	
LOWEST ANNUAL MEAN					13,300	
HIGHEST DAILY MEAN	505	Mar 10	1,060	Jun 23	19,500	May 10, 1993
LOWEST DAILY MEAN	2.6	Oct 21	0.94	Mar 23	a0.00	Oct 1, 1952
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 15	1.4	Mar 19	0.00	Oct 1, 1952
MAXIMUM PEAK FLOW			1,910		19,500	
MAXIMUM PEAK STAGE			12.14		b29.85	
ANNUAL RUNOFF (AC-FT)	67,560		62,540		130,200	
10 PERCENT EXCEEDS	246		242		496	
50 PERCENT EXCEEDS	34		18		24	
90 PERCENT EXCEEDS	4.9		3.1		0.90	

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, 1,930 microsiemens, Feb. 9, 10; minimum, 96 microsiemens, Aug. 11.

WATER TEMPERATURE: Maximum, 34.4°C, June 14; minimum, 0.0°C, Jan. 5, 6, 7, Feb. 7, 8.

DISSOLVED OXYGEN: Maximum recorded (more than 20% missing record), 22.7 mg/l, Mar. 21; minimum recorded (more than 20% missing record), 0.1 mg/l, July 19, 20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Depth at sample locati- on, feet (81903)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- trd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from 1 bank (00009)
SEP												
30...	1301	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.8	8.00
30...	1302	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.7	12.0
30...	1305	1028	1028	.50	6.20	12	732	10.8	8.7	1,000	23.7	16.0
30...	1307	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.8	20.0
30...	1309	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.8	24.0
30...	1310	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.7	28.0
30...	1311	1028	1028	.60	6.20	12	732	10.8	8.8	1,000	23.7	32.0
30...	1313	1028	1028	.70	6.20	12	732	10.8	8.8	1,000	23.7	36.0
30...	1315	1028	1028	.70	6.20	12	732	10.8	8.8	1,000	23.7	40.0
30...	1317	1028	1028	.80	6.20	12	732	10.8	8.8	1,000	23.7	44.0
30...	1319	1028	1028	.70	6.20	12	732	10.8	8.8	1,000	23.7	48.0
30...	1320	1028	1028	.50	6.20	12	732	10.8	8.8	1,000	23.7	52.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfl- trd lab, Hach NTU 2100AN (99872)	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- trd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)
OCT													
08...	1030	1028	80020	7.12	33	14	732	2.0	9.6	108	8.2	1,450	22.3
NOV													
04...	0930	1028	80020	6.85	30	13	726	2.4	9.2	101	8.2	1,420	17.1
DEC													
16...	1130	1028	80020	7.15	35	15	733	2.0	13.1	97	8.3	1,280	2.0
JAN													
20...	1000	1028	80020	6.10	1.8	19	731	5.2	13.4	107	7.9	1,210	7.9
FEB													
11...	1230	1028	80020	7.65	114	45	731	1.4	13.3	110	8.4	1,650	10.1
MAR													
09...	1130	1028	80020	10.10	950	400	739	1.4	11.3	109	8.0	313	15.4
APR													
06...	1200	1028	80020	7.77	190	59	729	1.7	9.8	104	8.3	1,480	13.9
MAY													
11...	0830	1028	80020	7.61	182	180	729	5.0	11.0	133	7.9	1,440	23.1
JUN													
15...	1330	1028	80020	6.43	5.1	8.4	731	.7	10.7	145	8.6	1,290	30.5
JUL													
06...	1330	1028	80020	8.33	394	48	734	2.3	8.0	107	8.1	1,190	26.1
AUG													
17...	0900	1028	80020	6.30	19	30	734	10	8.2	100	7.4	687	25.7
SEP													
08...	1130	1028	80020	6.20	14	31	734	.9	9.9	122	8.5	888	30.1

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Temperature, water, deg C (00010)	Noncarb hard- ness, wat flt field, mg/L as CaCO ₃ (00904)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)
OCT 08...	18.8	--	--	--	--	--	--	--	--	167	161	E196	E.0
NOV 04...	17.2	250	440	96.4	47.7	6.88	3	151	42	185	188	230	.0
DEC 16...	1.1	--	--	--	--	--	--	--	--	216	212	E239	E10
JAN 20...	3.9	--	--	--	--	--	--	--	--	224	227	272	2
FEB 11...	5.1	300	470	94.0	57.5	8.21	3	166	43	179	177	211	2
MAR 09...	12.4	--	--	--	--	--	--	--	--	78	65	79	.0
APR 06...	16.0	--	--	--	--	--	--	--	--	192	183	219	2
MAY 11...	22.4	270	450	102	47.0	6.14	3	142	40	208	176	212	1
JUN 15...	28.7	--	--	--	--	--	--	--	--	160	159	179	E7
JUL 06...	28.4	--	--	--	--	--	--	--	--	154	146	176	3
AUG 17...	23.1	99	220	49.0	22.5	5.23	2	64.1	39	133	117	142	.0
SEP 08...	23.7	--	--	--	--	--	--	--	--	161	159	194	.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	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)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus- pended, 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)
OCT 08...	--	--	--	--	--	--	--	--	18	.69	1.2	.13	.104
NOV 04...	178	.7	12.2	318	928	1.36	81.0	1,000	13	.66	.96	.11	.088
DEC 16...	--	--	--	--	--	--	--	--	21	1.7	2.8	.70	.545
JAN 20...	--	--	--	--	--	--	--	--	24	.84	1.3	.51	.396
FEB 11...	216	.7	8.24	356	1,010	1.46	331	1,070	52	.68	1.8	.02	.015
MAR 09...	--	--	--	--	--	--	--	--	128	.86	2.3	.62	.481
APR 06...	--	--	--	--	--	--	--	--	66	.45	1.1	--	<.010
MAY 11...	170	.7	14.2	312	901	1.31	474	964	268	--	2.6	--	E.008
JUN 15...	--	--	--	--	--	--	--	--	18	--	1.1	.13	.102
JUL 06...	--	--	--	--	--	--	--	--	46	--	1.6	.08	.066
AUG 17...	72.2	.4	4.68	129	419	.61	22.9	447	32	--	.96	.24	.185
SEP 08...	--	--	--	--	--	--	--	--	21	--	1.3	.10	.080

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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, fltrd, mg/L (00607)	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)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)
OCT 08...	2.53	.57	.590	.059	.018	.59	1.1	.227	.074	.099	.186	1.3	1.8
NOV 04...	1.17	.26	.281	.056	.017	.58	.87	.258	.084	.120	.192	.95	1.2
DEC 16...	9.70	2.19	2.20	.030	.009	1.2	2.3	.224	.073	.130	.27	3.9	5.0
JAN 20...	2.35	.53	.548	.059	.018	.44	.91	.359	.117	.141	.23	1.4	1.9
FEB 11...	--	--	.120	--	E.001	.66	1.8	--	E.003	.031	.21	.80	1.9
MAR 09...	1.23	.28	.304	.089	.027	.38	1.8	.417	.136	.163	.60	1.2	2.6
APR 06...	--	--	<.016	--	E.001	--	--	.117	.038	.054	.20	--	--
MAY 11...	.146	.03	.048	.049	.015	--	--	.129	.042	.063	.57	--	2.6
JUN 15...	.058	.01	.022	.030	.009	--	1.0	.340	.111	.144	.26	--	1.1
JUL 06...	--	--	<.016	--	E.001	--	1.6	.503	.164	.184	.29	--	--
AUG 17...	.615	.14	.165	.085	.026	--	.77	.638	.208	.24	.30	--	1.1
SEP 08...	.664	.15	.167	.056	.017	--	1.2	.484	.158	.18	.26	--	1.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lithium water, fltrd, ug/L (01130)	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 08...	--	--	--	--	--	--	--	--	--	--
NOV 04...	48	47.8	<.02	12	M	.5	<3	1,120	14	E2
DEC 16...	--	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--	--
FEB 11...	53	3.7	<.02	12	M	.5	<3	1,260	5	5
MAR 09...	--	--	--	--	--	--	--	--	--	--
APR 06...	--	--	--	--	--	--	--	--	--	--
MAY 11...	52	1.0	<.02	E4	M	.6	<3	1,170	11	E2
JUN 15...	--	--	--	--	--	--	--	--	--	--
JUL 06...	--	--	--	--	--	--	--	--	--	--
AUG 17...	19	24.8	<.02	<4	M	E.2	<3	551	8	7
SEP 08...	--	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1,460	1,430	1,450	1,260	1,240	1,250	1,220	1,160	1,200
2	1,350	1,310	1,330	1,440	1,420	1,440	1,260	1,240	1,250	1,190	612	1,030
3	1,380	1,350	1,360	1,440	1,400	1,420	1,260	1,240	1,250	1,190	653	1,100
4	1,370	1,330	1,360	1,430	1,390	1,410	1,370	1,260	1,320	1,210	1,160	1,190
5	1,440	1,340	1,370	1,420	1,390	1,410	1,360	1,360	1,360	1,280	1,190	1,240
6	1,450	1,440	1,450	1,420	1,400	1,410	1,360	1,360	1,360	1,370	667	981
7	1,450	1,430	1,450	1,430	1,390	1,420	---	---	---	1,110	673	928
8	1,460	1,260	1,440	1,420	1,380	1,410	---	---	---	1,170	1,100	1,130
9	1,320	846	1,120	1,420	1,380	1,400	1,400	1,280	1,360	1,180	647	1,030
10	1,410	1,320	1,370	1,420	1,400	1,410	1,470	1,170	1,380	---	---	---
11	1,420	1,400	1,410	---	---	---	1,460	1,040	1,310	---	---	---
12	1,400	1,340	1,370	---	---	---	1,460	1,280	1,390	---	---	---
13	1,360	1,340	1,350	1,410	1,260	1,370	1,300	1,270	1,290	1,240	630	1,060
14	1,350	1,310	1,330	1,400	1,280	1,360	1,300	1,250	1,280	---	---	---
15	1,320	1,280	1,300	---	---	---	1,260	1,240	1,250	---	---	---
16	1,300	1,260	1,280	---	---	---	1,280	1,240	1,260	---	---	---
17	1,290	1,250	1,270	---	---	---	1,290	1,250	1,270	---	---	---
18	1,290	1,260	1,270	1,390	1,230	1,360	1,270	1,260	1,260	1,010	580	886
19	1,280	1,260	1,260	---	---	---	1,270	1,250	1,260	1,040	750	1,000
20	1,290	1,260	1,270	---	---	---	1,250	1,220	1,240	1,210	1,020	1,140
21	1,310	1,280	1,300	1,250	1,230	1,240	1,240	1,210	1,220	1,240	1,200	1,220
22	1,480	1,280	1,340	1,240	1,220	1,230	1,230	1,200	1,220	1,260	1,230	1,240
23	1,510	1,440	1,480	1,280	1,220	1,260	1,200	931	1,110	1,280	1,230	1,240
24	1,470	1,430	1,450	1,290	1,250	1,270	1,200	1,030	1,140	1,270	1,230	1,260
25	1,450	1,420	1,440	1,280	1,240	1,260	1,240	1,200	1,210	1,260	1,230	1,240
26	1,460	1,440	1,450	1,250	1,230	1,240	1,250	1,220	1,240	1,370	1,260	1,290
27	1,470	1,450	1,460	1,270	1,240	1,260	1,230	722	1,140	1,600	1,360	1,460
28	1,500	1,460	1,480	1,280	1,240	1,260	1,200	1,110	1,170	1,420	1,320	1,360
29	1,490	1,400	1,460	1,270	1,250	1,260	1,220	1,200	1,210	1,450	1,340	1,370
30	1,480	1,410	1,450	1,270	1,230	1,250	1,240	1,180	1,210	1,580	1,260	1,430
31	1,470	1,440	1,460	---	---	---	1,240	1,130	1,200	1,580	1,200	1,280
MONTH	1,510	846	1,370	1,460	1,220	1,340	1,470	722	1,260	1,600	580	1,180

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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1,610	1,300	1,490	---	---	---	1,460	1,250	1,320	975	786	913
2	1,310	1,040	1,130	---	---	---	1,530	1,460	1,510	1,170	960	1,030
3	1,530	1,080	1,140	---	---	---	1,530	1,520	1,530	1,200	977	1,100
4	1,610	1,290	1,480	443	146	237	1,520	1,500	1,510	1,050	1,020	1,040
5	1,290	1,200	1,260	654	241	463	1,510	1,490	1,500	1,240	1,030	1,160
6	1,750	1,210	1,590	735	654	690	1,490	1,460	1,480	---	---	---
7	1,720	1,590	1,660	924	274	724	1,480	1,450	1,470	---	---	---
8	1,620	1,420	1,530	878	266	584	1,450	1,440	1,440	---	---	---
9	1,930	1,260	1,710	546	267	341	1,440	1,420	1,430	---	---	---
10	1,930	1,700	1,810	639	485	555	1,420	1,380	1,390	---	---	---
11	1,740	1,380	1,540	679	463	555	1,380	1,310	1,330	---	---	---
12	1,440	1,410	1,430	494	452	471	1,360	1,280	1,310	1,460	1,340	1,420
13	1,450	1,420	1,440	690	483	546	1,380	1,290	1,340	---	---	---
14	1,450	1,420	1,430	804	690	762	1,370	1,300	1,340	---	---	---
15	1,440	1,430	1,440	796	788	791	1,330	1,300	1,310	---	---	---
16	1,440	1,420	1,430	816	792	800	1,310	1,270	1,290	---	---	---
17	1,440	681	1,210	822	793	804	1,270	1,240	1,260	---	---	---
18	681	545	581	926	807	860	1,250	1,230	1,240	---	---	---
19	564	524	542	977	926	954	1,240	1,210	1,230	---	---	---
20	---	---	---	1,000	932	972	1,220	1,110	1,170	---	---	---
21	---	---	---	1,020	960	992	1,150	1,080	1,120	1,510	1,440	1,470
22	---	---	---	1,010	912	970	1,100	1,010	1,060	1,490	1,460	1,480
23	---	---	---	925	847	889	1,040	1,020	1,030	1,510	1,480	1,500
24	---	---	---	920	854	890	1,040	997	1,020	1,520	1,500	1,510
25	---	---	---	944	850	901	1,050	997	1,030	1,500	1,480	1,490
26	---	---	---	970	272	832	1,080	1,040	1,050	1,500	1,260	1,470
27	---	---	---	1,520	285	1,320	1,070	1,040	1,050	1,490	1,320	1,430
28	---	---	---	1,530	1,220	1,380	1,080	1,060	1,070	---	---	---
29	---	---	---	1,430	1,050	1,220	1,080	1,020	1,050	---	---	---
30	---	---	---	1,260	1,160	1,230	1,060	873	989	---	---	---
31	---	---	---	1,260	1,230	1,250	---	---	---	---	---	---
MONTH	1,930	524	1,360	1,530	146	821	1,530	873	1,260	1,520	786	1,310
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	620	450	549	997	978	990	814	639	720
2	1,340	1,190	1,300	650	363	519	1,000	951	986	914	814	877
3	1,300	1,250	1,280	---	---	---	958	946	954	852	797	814
4	1,280	1,110	1,190	---	---	---	966	927	954	849	825	836
5	1,160	1,090	1,140	---	---	---	981	961	966	869	848	859
6	1,140	1,120	1,130	---	---	---	1,090	981	1,020	882	859	871
7	1,130	1,120	1,130	1,310	1,020	1,210	1,110	1,080	1,090	889	870	880
8	1,130	1,120	1,130	1,300	1,180	1,240	1,110	945	1,060	898	778	842
9	1,120	913	1,050	1,310	1,270	1,290	1,060	959	1,040	821	782	791
10	1,160	1,010	1,070	1,330	1,290	1,320	1,110	1,060	1,090	1,000	821	962
11	---	---	---	1,320	1,250	1,280	1,100	96	528	971	927	947
12	---	---	---	1,270	1,240	1,250	441	417	429	940	922	931
13	---	---	---	1,240	1,200	1,230	444	429	436	967	938	950
14	---	---	---	1,260	1,210	1,230	448	429	438	997	965	983
15	---	---	---	1,270	1,250	1,260	548	396	462	1,020	995	1,010
16	1,330	1,310	1,320	1,260	1,160	1,230	---	---	---	1,030	148	938
17	1,340	1,320	1,330	1,240	1,180	1,210	---	---	---	1,020	988	1,010
18	1,340	1,180	1,310	1,250	1,240	1,240	718	695	707	1,000	989	996
19	1,320	453	1,040	1,310	469	1,090	731	712	723	1,000	981	992
20	1,020	847	925	1,240	466	494	742	724	735	993	966	977
21	1,050	226	572	1,340	1,240	1,310	744	730	736	986	968	975
22	1,060	195	714	1,310	1,200	1,250	797	742	761	995	979	987
23	1,060	917	990	1,230	1,170	1,220	801	787	794	1,000	959	985
24	917	489	558	1,180	824	1,020	806	797	801	984	953	972
25	514	489	499	1,130	1,010	1,090	815	805	810	971	938	956
26	536	414	520	1,150	1,120	1,140	825	813	818	968	950	957
27	549	424	516	1,160	1,080	1,130	831	821	826	999	968	985
28	569	534	559	1,100	1,070	1,090	843	802	823	1,010	972	994
29	581	423	545	1,100	287	643	908	843	873	984	959	974
30	534	448	497	1,010	880	970	917	828	891	1,020	971	996
31	---	---	---	1,000	974	987	828	644	691	---	---	---
MONTH	1,340	195	930	1,340	287	1,090	1,110	96	808	1,030	148	932

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18.4	15.6	17.0	15.2	13.0	13.9	11.1	5.8	8.1	14.5	8.1	11.3
2	19.3	16.1	17.3	19.8	14.1	16.9	8.3	6.7	7.3	16.2	9.7	12.7
3	24.0	14.6	18.5	21.7	17.2	18.9	9.1	4.9	6.9	13.6	9.4	11.5
4	20.0	17.2	18.4	18.2	12.0	16.3	6.8	4.1	5.9	9.4	1.7	4.9
5	23.7	16.8	19.5	12.0	9.6	11.0	6.3	4.4	5.1	1.9	0.0	0.8
6	24.8	18.1	20.4	9.9	8.1	9.1	4.7	3.7	4.2	0.9	0.0	0.3
7	25.1	17.5	20.3	12.1	8.3	10.2	---	---	---	2.2	0.0	0.8
8	23.8	17.7	20.3	11.7	10.5	11.0	---	---	---	4.0	0.8	1.9
9	23.4	19.7	21.1	12.8	10.2	11.3	9.3	1.9	5.8	5.5	0.0	2.0
10	25.4	19.0	21.3	13.7	10.6	12.0	4.0	0.5	2.3	8.8	0.3	3.6
11	22.4	18.6	19.8	16.3	13.7	14.8	3.9	2.2	3.0	13.8	2.2	7.0
12	24.5	16.0	19.4	15.3	10.9	13.7	3.0	0.9	2.1	10.9	4.6	7.4
13	23.2	17.5	19.6	10.9	9.6	10.1	4.5	1.2	2.5	9.3	6.7	8.0
14	22.4	14.3	17.8	9.6	8.4	9.0	7.7	1.2	4.0	11.7	7.1	9.7
15	21.8	14.9	17.7	14.1	8.9	11.1	9.8	4.1	6.1	13.7	4.1	8.9
16	23.8	15.4	18.5	15.8	8.6	12.0	6.0	1.6	3.6	10.8	8.8	9.8
17	21.3	14.2	17.3	16.7	12.4	14.7	8.8	1.4	4.4	10.2	6.5	8.9
18	22.9	14.6	18.0	14.5	9.6	11.9	8.8	2.6	5.2	8.3	2.9	5.3
19	24.3	15.4	19.0	16.8	7.9	11.6	9.0	2.1	4.9	9.6	1.4	4.4
20	24.2	16.0	19.4	14.8	9.4	12.0	9.9	1.7	5.3	10.7	3.2	5.9
21	24.7	16.3	19.7	14.9	9.6	11.9	11.7	4.6	8.1	11.4	4.8	6.9
22	24.6	16.3	19.6	14.5	9.4	12.1	10.0	6.6	8.9	11.0	3.4	6.1
23	21.5	18.7	20.0	13.9	3.9	6.8	9.1	3.6	6.4	13.0	2.4	6.8
24	23.8	17.6	19.8	9.2	2.3	5.1	9.0	2.6	5.7	13.3	7.8	10.0
25	18.1	14.4	15.6	8.5	3.1	5.7	10.0	3.2	6.2	15.4	9.1	11.6
26	20.3	12.5	15.4	12.8	5.8	8.6	11.7	5.4	8.3	9.1	0.3	3.8
27	21.0	12.7	16.1	8.5	5.2	6.5	13.6	9.7	12.5	3.9	0.2	1.3
28	15.5	13.0	14.6	9.7	2.6	5.7	9.8	6.3	8.2	10.5	0.9	4.4
29	19.3	11.9	14.9	9.9	3.4	6.2	9.4	3.0	5.9	4.8	0.5	2.4
30	20.7	13.9	16.3	11.3	4.5	7.5	9.4	2.3	5.5	6.9	0.2	2.2
31	15.0	12.5	13.7	---	---	---	10.0	3.0	6.4	4.3	0.7	2.3
MONTH	25.4	11.9	18.3	21.7	2.3	10.9	13.6	0.5	5.8	16.2	0.0	5.9
FEBRUARY			MARCH			APRIL			MAY			
1	5.5	2.1	4.4	17.0	5.3	10.5	17.6	11.4	15.7	18.8	14.7	16.2
2	7.6	0.1	3.1	11.7	4.2	8.6	18.6	16.9	17.3	18.5	12.4	15.9
3	7.8	0.5	3.3	10.1	8.6	9.4	18.1	17.1	17.6	23.9	17.4	19.5
4	4.3	2.5	3.2	10.3	8.8	9.4	18.0	17.1	17.5	27.3	14.9	20.0
5	4.5	2.8	3.4	12.8	8.4	10.2	17.9	17.0	17.4	24.0	16.4	20.6
6	3.6	0.4	2.0	16.3	6.7	10.6	17.6	15.9	16.5	25.7	20.6	23.1
7	6.9	0.0	2.3	12.5	8.7	10.1	17.2	16.3	16.6	25.4	22.1	23.8
8	8.0	0.0	2.9	11.3	9.9	10.6	18.3	16.0	17.0	26.7	21.6	24.0
9	4.5	2.5	3.3	11.7	10.6	11.2	18.7	16.7	17.7	25.4	22.0	23.8
10	4.4	2.0	3.3	15.8	10.6	12.6	18.0	14.3	16.7	25.7	21.8	23.6
11	4.4	3.4	3.9	12.5	9.5	11.2	14.3	12.4	13.1	26.6	22.4	24.3
12	3.4	1.3	2.2	12.0	11.3	11.6	19.4	10.9	14.7	27.3	22.3	24.5
13	2.1	0.3	1.4	11.5	10.7	11.2	15.3	7.1	12.0	25.5	19.3	23.2
14	3.1	1.6	2.2	20.0	10.4	13.7	16.0	12.8	14.0	20.0	15.9	18.0
15	3.4	1.4	2.2	15.7	10.7	12.4	25.2	10.9	16.7	23.6	16.8	19.9
16	5.4	2.0	3.6	17.1	7.2	11.5	27.7	14.8	20.1	24.2	19.5	21.8
17	11.1	3.3	6.3	22.6	8.6	14.5	27.0	15.9	20.4	26.4	20.4	23.2
18	12.4	2.9	7.4	25.1	11.7	17.7	20.0	17.1	18.5	27.0	22.5	24.5
19	15.4	7.4	11.0	24.4	15.4	19.2	21.7	16.4	18.8	28.7	23.0	25.7
20	13.1	6.2	9.2	24.0	15.6	19.4	26.5	16.7	20.5	29.6	23.4	26.4
21	14.7	3.0	8.2	16.8	10.2	13.5	25.8	15.9	20.2	28.1	23.8	25.7
22	14.7	5.6	9.8	14.1	9.4	11.7	28.8	16.7	21.4	27.4	22.0	24.5
23	11.4	9.0	10.3	19.6	8.2	13.3	19.9	16.7	18.3	31.6	22.3	26.5
24	9.0	4.4	6.2	16.8	14.4	15.5	24.7	15.9	18.5	30.9	24.0	27.0
25	10.0	1.9	5.0	20.7	15.9	17.7	29.3	14.1	20.1	25.6	22.6	24.4
26	12.2	0.4	5.7	21.2	17.1	18.6	28.3	15.7	20.8	27.5	21.5	24.1
27	14.0	2.0	7.6	19.2	17.6	18.6	29.1	14.9	20.7	25.9	22.7	24.2
28	10.3	5.7	8.0	18.4	16.6	17.6	22.5	15.6	18.9	---	---	---
29	14.2	8.3	10.3	24.1	16.6	19.3	27.2	15.7	20.1	---	---	---
30	---	---	---	20.4	12.0	16.0	21.6	15.9	18.2	---	---	---
31	---	---	---	20.0	10.5	15.1	---	---	---	---	---	---
MONTH	15.4	0.0	5.2	25.1	4.2	13.6	29.3	7.1	17.9	31.6	12.4	22.9

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	25.3	23.4	24.3	29.6	23.5	25.8	28.0	23.3	25.1
2	31.0	22.1	24.9	26.5	23.7	25.2	30.2	23.8	26.1	28.8	23.5	25.2
3	30.2	20.2	24.6	28.2	24.8	26.3	30.7	24.1	26.6	28.8	23.1	25.0
4	27.7	21.4	23.6	29.6	24.2	26.8	32.4	25.1	27.8	28.3	23.3	25.2
5	31.0	20.7	24.3	29.7	27.5	28.7	30.6	25.7	27.5	29.5	23.6	25.8
6	31.3	21.9	25.5	29.7	27.5	28.5	28.9	25.2	26.7	29.6	23.2	25.5
7	26.6	21.8	23.5	28.8	26.6	27.9	30.1	25.0	26.6	28.9	22.4	24.8
8	27.1	21.6	23.5	30.4	27.4	28.8	27.8	23.9	25.2	28.8	21.7	24.3
9	24.1	22.2	23.0	29.9	28.2	28.7	31.4	23.9	26.6	29.3	21.3	24.1
10	24.6	23.3	23.9	29.1	27.1	27.9	31.5	24.5	26.9	28.1	20.8	23.4
11	31.5	23.9	26.4	29.3	27.8	28.7	25.7	20.3	23.4	28.3	21.3	23.8
12	31.5	23.2	26.4	29.9	28.6	29.1	27.3	22.9	24.5	28.7	22.1	24.3
13	31.9	22.5	26.6	30.5	28.9	29.4	27.8	22.3	24.5	28.5	22.1	24.2
14	34.4	23.9	27.9	31.0	29.1	30.1	26.1	22.7	24.1	28.4	22.5	24.5
15	31.3	24.0	26.7	31.5	29.9	30.4	23.5	19.6	21.9	26.8	22.9	24.6
16	34.1	24.2	27.6	32.1	29.3	30.4	26.7	21.8	23.6	30.0	21.0	25.6
17	33.9	23.4	27.6	32.1	28.2	29.8	28.6	22.2	24.6	30.4	23.7	25.9
18	32.0	23.8	27.1	33.2	27.6	29.6	28.4	22.4	24.6	29.6	23.7	25.7
19	27.5	22.4	24.8	29.4	26.7	28.4	27.0	23.3	24.3	28.8	22.5	24.7
20	30.4	22.4	24.9	29.7	28.6	29.1	24.4	22.2	23.2	27.8	21.8	23.8
21	27.1	20.4	23.9	29.9	28.8	29.4	28.1	21.3	23.8	28.2	21.9	24.0
22	25.2	19.8	23.0	32.2	27.6	29.5	27.9	22.4	24.4	26.7	21.7	23.4
23	26.4	24.4	24.9	31.9	26.7	28.6	29.3	22.6	25.2	24.5	22.0	22.9
24	31.3	23.7	26.4	27.6	25.1	26.2	30.8	23.6	26.2	28.3	22.0	23.9
25	29.2	22.2	24.8	26.3	23.8	24.8	30.6	24.8	26.5	28.2	20.9	23.6
26	31.5	21.9	25.7	29.0	23.5	25.6	31.8	24.6	27.2	27.9	21.6	23.8
27	27.2	22.8	25.2	27.5	23.5	24.9	31.9	24.8	27.3	28.0	21.3	23.5
28	27.2	26.4	26.7	24.2	23.1	23.5	30.1	24.2	26.4	26.6	20.7	22.9
29	26.6	24.2	25.9	23.1	20.9	22.2	31.1	23.9	26.5	27.7	21.0	23.4
30	25.4	24.4	24.8	28.2	22.8	24.7	28.5	23.5	25.4	24.0	20.7	21.8
31	---	---	---	29.1	23.1	25.3	29.5	23.0	25.4	---	---	---
MONTH	34.4	19.8	25.3	33.2	20.9	27.5	32.4	19.6	25.4	30.4	20.7	24.3

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	13.7	7.1	9.6	17.0	7.7	11.5	18.7	3.2	8.0
2	---	---	---	---	---	---	14.8	7.8	10.9	21.7	0.8	8.8
3	9.0	6.5	7.6	---	---	---	16.7	8.5	12.5	15.5	0.6	6.2
4	10.2	6.3	8.0	---	---	---	14.7	7.9	12.2	19.3	3.9	12.4
5	11.8	6.0	8.7	12.6	7.0	9.4	15.4	14.4	15.0	14.5	8.7	12.0
6	15.5	5.9	10.2	14.2	8.8	10.9	15.9	15.3	15.5	---	---	---
7	18.6	6.1	11.0	14.0	8.4	10.6	---	---	---	---	---	---
8	14.3	5.8	9.5	12.6	7.7	9.7	---	---	---	---	---	---
9	11.3	5.3	7.6	13.3	7.8	9.9	11.5	6.4	9.4	---	---	---
10	13.9	3.1	7.5	12.4	7.0	9.0	---	---	---	---	---	---
11	12.7	1.9	6.7	12.0	3.4	7.7	---	---	---	---	---	---
12	14.6	3.5	7.9	13.0	3.7	8.5	---	---	---	---	---	---
13	12.2	2.4	7.2	10.9	6.6	8.4	---	---	---	---	---	---
14	14.1	4.3	8.3	11.6	7.2	9.1	---	---	---	14.7	10.3	13.5
15	13.3	2.9	7.6	13.1	7.2	9.3	---	---	---	14.5	9.2	11.8
16	13.9	2.6	7.1	12.7	5.5	8.7	---	---	---	---	---	---
17	14.7	3.7	7.9	8.5	3.6	6.0	14.4	10.7	11.8	---	---	---
18	13.3	3.0	7.3	11.8	2.0	8.1	14.9	10.1	12.3	---	---	---
19	12.9	1.8	6.4	11.8	6.3	8.3	15.2	9.6	12.0	---	---	---
20	11.8	1.0	6.3	11.8	5.8	8.3	15.3	9.0	11.4	---	---	---
21	12.0	2.0	6.1	14.3	5.5	9.3	15.8	5.8	11.4	9.1	3.2	5.8
22	12.6	1.6	6.0	13.3	4.7	8.6	12.4	4.7	8.6	9.3	3.1	5.7
23	10.7	3.8	7.5	14.3	7.5	11.3	18.3	9.1	12.1	14.0	4.7	8.2
24	10.6	6.8	8.2	15.1	9.6	11.8	19.9	3.7	9.3	11.2	2.2	5.4
25	11.8	7.1	9.2	15.3	8.3	11.6	17.8	3.1	9.2	10.8	3.1	7.3
26	14.3	7.5	9.4	15.4	6.8	10.4	17.0	6.8	11.0	17.1	5.7	11.1
27	14.8	5.0	9.1	15.4	8.6	11.7	12.1	1.9	6.8	12.9	5.8	9.8
28	14.4	4.7	8.9	15.8	9.6	12.1	13.3	2.0	6.5	19.7	5.6	10.9
29	---	---	---	15.4	9.0	11.5	20.3	4.3	10.2	11.7	5.0	8.2
30	---	---	---	16.0	8.5	11.5	18.9	7.0	12.3	20.4	8.9	13.5
31	13.8	7.4	9.9	---	---	---	21.5	9.6	14.0	17.5	12.0	14.6
MONTH	18.6	1.0	8.0	16.0	2.0	9.7	21.5	1.9	11.2	21.7	0.6	9.6
FEBRUARY			MARCH			APRIL			MAY			
1	15.9	11.5	12.8	19.0	7.2	12.2	13.9	6.3	10.3	9.4	5.8	8.4
2	18.6	11.2	14.1	20.0	5.8	12.0	11.1	9.6	10.6	10.1	3.9	8.5
3	12.5	4.1	9.0	12.9	4.4	8.7	11.0	9.1	10.2	10.1	5.0	8.4
4	18.6	11.1	14.0	---	---	---	---	---	---	9.8	4.1	6.8
5	11.5	3.4	6.5	---	---	---	---	---	---	---	---	---
6	16.4	9.7	13.6	---	---	---	---	---	---	---	---	---
7	16.2	13.1	14.3	---	---	---	10.0	9.3	9.6	---	---	---
8	17.3	12.3	14.1	11.8	11.3	11.6	10.3	9.5	10	---	---	---
9	15.3	7.5	13.0	11.8	11.3	11.5	10.3	9.5	9.9	---	---	---
10	---	---	---	12.0	8.8	10.6	11.2	9.5	10.3	---	---	---
11	---	---	---	12.3	8.7	10.9	12.7	11.0	12.0	---	---	---
12	14.1	13.1	13.7	12.4	12.1	12.2	---	---	---	11.5	4.4	9.5
13	14.6	13.8	14.1	12.5	9.4	11.4	---	---	---	4.5	2.5	3.4
14	14.1	13.4	13.7	9.8	8.6	9.1	---	---	---	7.8	2.0	4.4
15	14.1	13.4	13.7	10.2	8.7	9.4	---	---	---	---	---	---
16	13.8	12.6	13.2	11.9	9.2	10.5	---	---	---	---	---	---
17	13.4	8.1	11.5	11.8	8.3	10.2	---	---	---	---	---	---
18	11.6	8.9	10.4	16.3	7.4	11.3	---	---	---	---	---	---
19	11.3	8.3	9.8	14.9	6.6	10.3	---	---	---	---	---	---
20	13.9	8.1	10.5	16.9	6.7	11.6	---	---	---	---	---	---
21	17.6	7.3	10.5	22.7	7.3	14.6	14.7	3.5	8.3	8.0	7.4	7.7
22	18.9	7.2	11.7	19.8	9.2	14.4	14.2	2.8	8.2	8.5	7.7	8.1
23	16.0	5.2	9.4	15.9	8.8	11.8	9.8	1.5	4.4	8.5	7.2	7.9
24	22.0	7.8	13.6	18.6	6.9	12.0	14.6	2.4	7.2	8.3	7.3	7.8
25	20.5	10.5	14.4	20.6	6.3	12.3	14.2	3.5	7.6	9.3	7.5	8.4
26	21.1	10.1	14.0	18.6	6.6	11.7	12.9	2.8	7.1	9.3	7.6	8.7
27	18.7	8.6	12.9	10.7	8.3	10.3	---	---	---	9.4	8.1	8.7
28	18.9	7.9	12.5	11.8	10.3	11.3	---	---	---	---	---	---
29	15.3	8.4	10.8	13.1	9.1	11.5	---	---	---	---	---	---
30	---	---	---	15.2	8.7	11.3	12.2	3.0	7.1	---	---	---
31	---	---	---	17.8	9.6	13.3	---	---	---	---	---	---
MONTH	22.0	3.4	12.3	22.7	4.4	11.4	14.7	1.5	8.9	11.5	2.0	7.6

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	8.7	7.5	8.1	11.0	7.8	9.2	10.4	5.4	7.4
2	11.5	10.1	10.9	9.1	0.5	7.0	11.2	7.7	9.2	10.6	5.8	7.7
3	12.1	10.5	11.3	8.9	3.6	6.9	11.0	7.3	8.9	10.6	5.8	7.7
4	12.3	10.3	11.2	7.3	3.7	6.6	11.1	6.7	8.6	10.0	5.4	7.2
5	13.5	9.4	11.5	7.9	7.2	7.5	8.7	5.8	7.3	10.0	5.4	7.1
6	13.4	9.6	11.4	7.9	7.2	7.6	8.7	5.8	6.9	11.4	5.4	7.5
7	13.5	9.7	11.4	8.2	7.5	7.8	9.5	5.8	7.2	11.8	5.3	7.7
8	13.6	9.8	11.5	8.6	7.3	7.8	9.5	5.8	7.1	12.2	5.2	8.3
9	11.9	9.3	10.5	8.2	7.5	7.9	10.2	5.7	7.6	12.6	6.1	8.5
10	11.4	11.0	11.1	8.5	7.9	8.2	---	---	---	11.9	6.4	8.4
11	---	---	---	8.8	7.5	8.1	---	---	---	11.4	6.2	8.0
12	---	---	---	8.7	7.5	8.0	---	---	---	10.8	5.8	7.6
13	---	---	---	8.7	7.2	7.9	---	---	---	10.3	4.8	7.0
14	---	---	---	8.2	7.1	7.6	---	---	---	8.4	3.8	5.6
15	---	---	---	8.0	7.1	7.5	---	---	---	7.5	3.0	5.1
16	11.1	5.4	7.9	8.5	6.3	7.4	---	---	---	7.6	2.5	4.3
17	11.0	5.6	7.9	8.4	6.0	7.0	---	---	---	7.3	2.5	4.3
18	10.6	5.7	7.7	8.2	5.8	6.9	10.4	7.3	8.5	11.0	2.6	6.5
19	9.2	5.7	7.0	7.4	0.1	3.2	10.6	7.1	8.3	11.6	4.9	7.6
20	9.2	5.6	7.1	0.8	0.1	0.3	10.2	7.1	8.3	11.7	5.7	8.1
21	8.6	5.6	6.9	8.8	0.8	7.3	11.1	7.3	8.8	11.8	6.5	8.4
22	9.0	6.2	8.4	9.4	6.5	7.9	10.7	7.2	8.6	11.6	6.4	8.2
23	9.1	8.7	8.9	9.5	5.3	7.6	10.3	7.0	8.3	11.2	6.4	8.1
24	9.2	6.1	7.7	7.2	4.2	5.7	10.7	6.6	8.2	12.8	6.2	8.6
25	8.6	5.2	6.9	5.8	3.1	4.4	10.8	6.3	7.9	13.0	5.9	8.3
26	7.8	2.9	5.5	4.6	2.1	3.4	10.7	5.9	7.7	11.6	5.3	7.6
27	8.7	1.8	6.0	6.4	1.9	4.5	10.7	5.8	7.7	11.1	5.2	7.4
28	8.5	7.6	8.0	7.3	4.1	5.7	11.1	5.6	7.7	11.9	4.6	7.4
29	8.3	7.7	8.0	9.2	4.0	8.2	11.6	5.7	7.9	---	---	---
30	8.5	8.0	8.3	10.1	6.6	8.4	11.7	5.3	8.0	---	---	---
31	---	---	---	10.5	7.9	9.0	10.1	5.3	7.1	---	---	---
MONTH	13.6	1.8	8.9	10.5	0.1	6.8	11.7	5.3	8.0	13.0	2.5	7.3

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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 sea level.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e43	e36	27	26	37	75	43	136	81	1,530	e72	66
2	e44	e37	21	24	220	27	74	36	261	1,120	e68	63
3	e88	e33	23	25	94	173	514	365	337	1,360	e57	69
4	e65	e31	27	20	58	2,400	460	104	157	291	e50	70
5	e60	e29	22	23	74	e617	434	54	77	851	86	68
6	e49	e28	49	28	53	e199	400	238	81	958	51	243
7	40	e28	186	28	39	e108	277	280	82	1,500	40	115
8	e39	e30	199	27	29	1,250	269	168	201	864	382	88
9	573	e30	130	25	32	122	250	155	1,020	559	338	73
10	262	e28	81	64	31	856	534	162	959	421	69	65
11	123	e28	76	37	43	379	354	136	242	383	4,110	63
12	e69	e27	184	32	70	613	280	132	135	209	1,020	61
13	e52	e24	321	57	113	713	114	474	62	e141	228	60
14	e49	e41	135	51	121	295	40	605	45	e97	150	58
15	e57	e39	65	87	120	94	61	231	35	e73	487	48
16	e45	e32	50	80	117	72	131	194	32	e130	655	268
17	e43	e270	40	437	109	63	82	193	30	e78	143	278
18	e41	e122	31	207	90	61	30	108	28	70	107	44
19	e40	65	32	181	47	49	26	427	321	120	131	44
20	e40	32	27	238	47	125	25	107	236	47	153	42
21	e38	29	23	298	34	237	29	429	1,500	60	161	38
22	e38	27	25	160	25	103	40	225	2,180	102	119	37
23	e38	24	27	77	76	197	28	e80	2,010	52	109	49
24	565	29	30	39	66	54	28	32	1,430	262	103	103
25	183	23	23	56	30	33	24	30	199	82	99	48
26	97	e23	19	87	28	30	19	30	84	35	97	40
27	e95	e24	33	136	25	27	18	57	83	26	93	37
28	e58	25	75	61	21	830	15	99	676	120	110	28
29	e49	29	50	37	72	460	14	105	427	1,280	117	25
30	e38	e29	29	40	---	85	30	66	828	180	94	25
31	e35	---	27	35	---	50	---	25	---	e96	75	---
TOTAL	3,056	1,252	2,087	2,723	1,921	10,397	4,643	5,483	13,839	13,097	9,574	2,316
MEAN	98.6	41.7	67.3	87.8	66.2	335	155	177	461	422	309	77.2
MAX	573	270	321	437	220	2,400	534	605	2,180	1,530	4,110	278
MIN	35	23	19	20	21	27	14	25	28	26	40	25
AC-FT	6,060	2,480	4,140	5,400	3,810	20,620	9,210	10,880	27,450	25,980	18,990	4,590

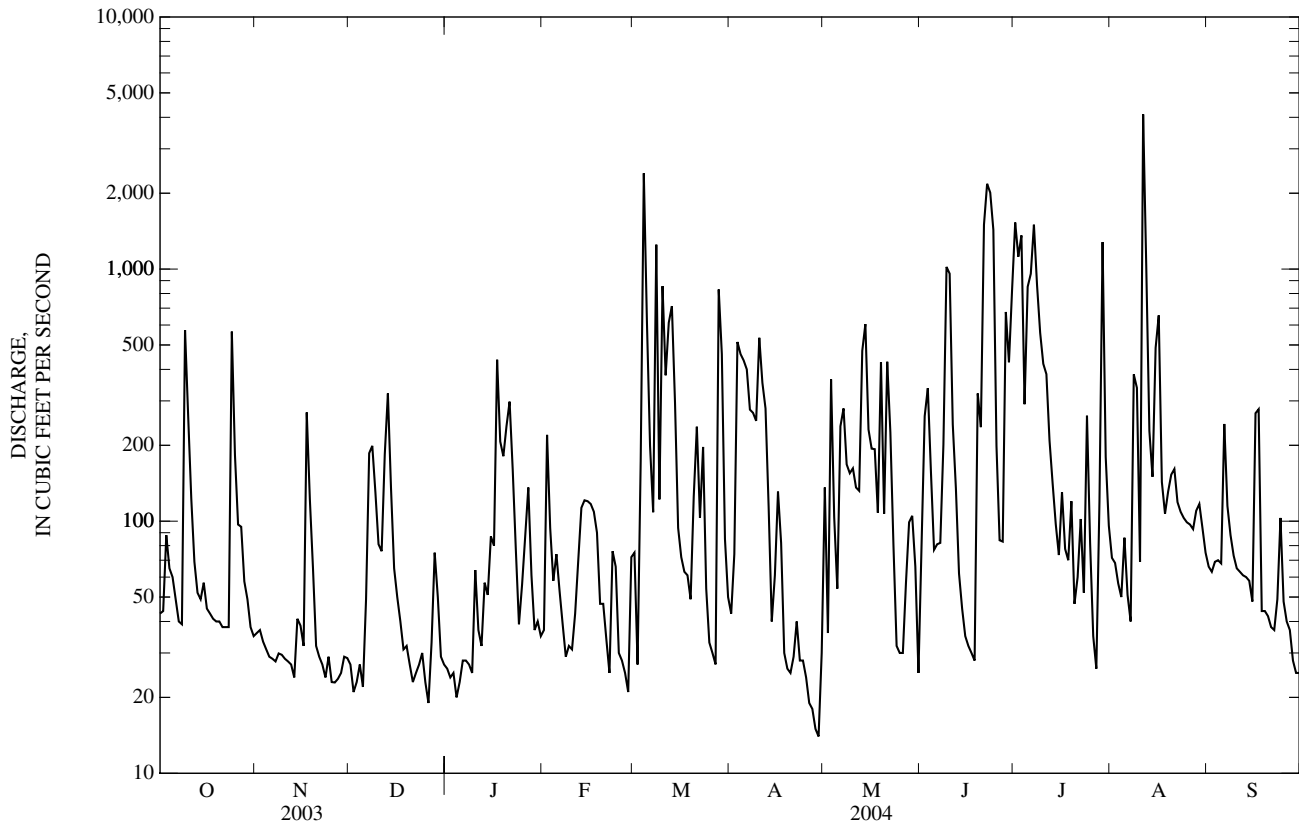
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

	269	293	353	322	357	581	567	848	968	390	296	331
MEAN	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	51,465		70,388		465	
ANNUAL MEAN	141		192		835	
HIGHEST ANNUAL MEAN					131	
LOWEST ANNUAL MEAN					22,700	
HIGHEST DAILY MEAN	1,520	Mar 13	4,110	Aug 11	22,700	May 9, 1993
LOWEST DAILY MEAN	19	Aug 23	14	Apr 29	14	Apr 29, 2004
ANNUAL SEVEN-DAY MINIMUM	21	Aug 19	21	Apr 23	21	Aug 19, 2003
MAXIMUM PEAK FLOW			12,100	Aug 11	38,100	May 9, 1993
MAXIMUM PEAK STAGE			19.12	Aug 11	24.80	May 9, 1993
ANNUAL RUNOFF (AC-FT)	102,100		139,600		336,500	
10 PERCENT EXCEEDS	321		444		964	
50 PERCENT EXCEEDS	68		70		210	
90 PERCENT EXCEEDS	27		27		56	



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, 1,670 microsiemens, Jan. 10, Feb. 11; minimum, 156 microsiemens, June 22.

WATER TEMPERATURE: Maximum, 35.5°C, July 15; minimum, 0.0°C, Jan. 6, 7, 30, Feb. 7.

DISSOLVED OXYGEN: Maximum, 21.9 mg/L, Dec. 24; minimum, 1.5 mg/L, Aug. 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Depth at sample location, feet (81903)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking downstrm ft from l bank (00009)
SEP												
30...	0900	1028	1028	.60	7.60	20	732	6.2	8.0	1,030	19.9	5.00
30...	0901	1028	1028	1.00	7.60	20	732	6.2	8.0	1,040	19.9	10.0
30...	0903	1028	1028	1.30	7.60	20	732	6.2	8.0	1,030	19.9	15.0
30...	0905	1028	1028	1.70	7.60	20	732	6.2	8.0	1,030	19.9	20.0
30...	0907	1028	1028	1.90	7.60	20	732	6.2	8.0	1,040	19.9	25.0
30...	0909	1028	1028	3.10	7.60	20	732	6.2	8.0	1,030	19.9	30.0
30...	0911	1028	1028	3.30	7.60	20	732	6.2	8.0	1,030	19.9	35.0
30...	0913	1028	1028	1.40	7.60	20	732	6.2	8.1	1,030	19.9	40.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	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)
OCT													
07...	0945	1028	80020	8.05	35	5.0	735	7.9	8.0	90	7.6	810	20.6
NOV													
05...	1100	1028	80020	7.92	28	6.9	733	1.5	10.2	97	8.4	1,210	9.3
DEC													
16...	1600	1028	80020	7.95	46	9.7	738	1.9	13.8	116	8.2	1,310	3.7
JAN													
20...	1430	1028	80020	8.18	75	11	733	2.4	12.8	113	8.1	925	10.1
FEB													
10...	1330	1028	80020	7.80	27	<2.0	737	4.9	13.0	114	8.0	1,360	11.1
MAR													
09...	1245	1028	80020	11.46	1,210	140	741	2.5	10.6	104	8.0	832	14.5
APR													
07...	0900	1028	80020	8.95	260	48	727	2.3	11.5	122	8.2	1,390	15.0
MAY													
12...	0900	1028	80020	8.40	130	31	728	7.4	9.7	116	7.7	1,370	24.5
JUN													
16...	1245	1028	80020	7.60	30	5.8	736	1.2	8.9	119	8.5	1,060	34.4
JUL													
07...	0900	1028	80020	10.73	1,110	160	733	4.0	7.2	90	7.7	515	20.9
AUG													
18...	0715	1028	80020	8.18	107	6.3	733	5.3	8.0	97	7.8	670	28.5
SEP													
07...	1400	1028	80020	8.15	104	12	734	2.2	8.1	103	8.1	619	28.5
23...	1045	1028	80020	7.81	37	--	737	--	8.9	105	8.1	914	20.7

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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	Iso-	
1.1.1	6	15.1.1

[illegible]

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	p,p'- Meth- oxy- chlor, water, unfltrd ug/L (39480)	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)
OCT 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 05...	<.003	<.01	57.6	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.2	<.1	<.2
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	<.003	<.01	78.2	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.5	<.1	<.2
MAR 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.003	<.01	E51.6	<.1	<.02	<.2	<.1	<.1	<.1	<.02	E.1	<.1	<.2
JUN 16...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--
JUL 07...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--
AUG 18...	<.003	<.01	83.5	<.1	<.02	<.2	<.1	<.1	<.1	<.02	<.1	<.1	<.2
SEP 07...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Toxa- phene, water, unfltrd ug/L (39400)	Tribu- phos, water, unfltrd ug/L (39040)	Tri- flur- alin, water, unfltrd ug/L (39030)	Vernol- ate, water, unfltrd ug/L (30324)
OCT 07...	--	--	--	--
NOV 05...	<1	<.02	<.1	<.1
DEC 16...	--	--	--	--
JAN 20...	--	--	--	--
FEB 10...	<1	<.02	<.1	<.1
MAR 09...	--	--	--	--
APR 07...	--	--	--	--
MAY 12...	<1	<.02	<.1	<.1
JUN 16...	--	<.02	--	--
JUL 07...	--	<.02	--	--
AUG 18...	<1	<.02	<.1	<.1
SEP 07...	--	<.02	--	--
23...	--	--	--	--

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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,070	693	869	1,260	1,190	1,220	---	---	---	1,330	1,290	1,310
2	911	638	676	1,300	1,210	1,250	1,140	1,100	1,120	1,340	1,260	1,300
3	784	545	665	1,300	1,230	1,260	1,150	1,110	1,120	1,390	1,290	1,340
4	628	545	583	1,290	1,220	1,260	1,160	1,110	1,130	1,360	1,240	1,300
5	700	628	667	1,310	1,200	1,240	1,160	1,100	1,130	1,380	1,300	1,340
6	766	663	696	1,330	1,150	1,250	1,270	1,110	1,150	1,450	1,120	1,340
7	867	766	815	1,480	1,220	1,370	1,110	1,010	1,030	1,480	1,260	1,410
8	909	799	882	1,360	1,190	1,300	1,080	1,020	1,040	1,430	1,330	1,360
9	799	260	446	1,350	1,260	1,300	1,230	1,080	1,150	1,380	1,320	1,350
10	554	370	465	1,330	1,260	1,290	1,340	1,200	1,280	1,670	1,350	1,470
11	677	554	613	1,330	1,270	1,290	1,400	1,280	1,320	1,410	1,340	1,370
12	765	677	735	1,360	1,270	1,310	1,440	1,360	1,400	1,350	1,220	1,300
13	783	743	762	1,330	1,270	1,300	1,450	1,270	1,360	1,260	1,150	1,210
14	827	778	798	1,270	1,110	1,210	1,320	1,250	1,290	1,300	1,200	1,250
15	818	772	796	1,270	1,120	1,190	1,270	1,240	1,260	1,490	1,180	1,270
16	859	806	832	1,140	1,110	1,130	1,360	1,260	1,310	1,370	1,090	1,280
17	867	846	854	1,110	843	1,000	1,340	1,210	1,290	1,090	655	797
18	868	844	857	923	792	862	1,330	1,210	1,270	812	771	793
19	872	858	864	883	804	840	1,360	1,280	1,310	1,180	810	928
20	868	841	857	1,000	883	916	1,370	1,310	1,330	1,030	701	931
21	855	822	845	1,140	1,000	1,060	1,390	1,300	1,340	998	640	834
22	1,020	838	962	1,140	1,090	1,110	1,400	1,300	1,350	1,170	993	1,050
23	1,050	1,020	1,030	1,160	1,080	1,110	1,380	1,310	1,340	1,160	1,100	1,130
24	1,040	843	897	1,170	1,120	1,140	1,390	1,340	1,370	1,190	1,070	1,140
25	982	930	954	---	---	---	1,420	1,330	1,380	1,070	797	917
26	1,020	955	982	---	---	---	1,430	1,340	1,380	1,430	1,020	1,280
27	1,060	1,000	1,020	---	---	---	1,420	1,130	1,330	1,260	934	1,020
28	1,130	1,010	1,040	---	---	---	1,380	1,040	1,220	1,100	1,070	1,090
29	1,190	1,090	1,130	---	---	---	1,330	1,300	1,320	1,220	1,060	1,120
30	1,270	1,170	1,210	---	---	---	1,320	1,280	1,300	1,330	1,150	1,220
31	1,280	1,200	1,240	---	---	---	1,340	1,290	1,320	1,360	1,300	1,330
MONTH	1,280	260	840	1,480	792	1,180	1,450	1,010	1,260	1,670	640	1,190
	FEBRUARY			MARCH			APRIL			MAY		
1	1,360	1,280	1,320	719	592	624	872	756	810	1,240	336	810
2	1,280	567	774	830	719	778	1,440	872	936	1,060	914	968
3	688	536	593	824	224	659	1,440	861	898	1,450	1,060	1,290
4	942	688	836	---	---	---	1,060	905	978	1,160	1,100	1,120
5	1,210	921	1,020	---	---	---	1,210	1,060	1,140	1,300	1,110	1,200
6	1,240	1,020	1,140	---	---	---	1,360	1,210	1,280	1,340	1,250	1,280
7	1,120	980	1,030	---	---	---	1,400	1,360	1,380	1,290	1,220	1,240
8	1,260	1,080	1,160	---	---	---	1,560	1,390	1,460	1,220	1,180	1,190
9	1,390	1,240	1,310	878	274	643	1,560	1,480	1,510	1,240	1,190	1,220
10	1,420	1,350	1,370	881	386	688	1,580	1,410	1,480	1,300	1,240	1,260
11	1,670	1,360	1,450	463	382	420	1,540	1,310	1,360	1,360	1,300	1,330
12	1,620	1,060	1,200	531	351	414	1,310	1,250	1,270	1,410	1,320	1,370
13	1,070	966	1,000	529	367	432	1,290	1,260	1,280	1,440	854	1,300
14	996	962	968	703	529	625	1,260	1,200	1,230	1,280	855	1,080
15	1,040	996	1,010	818	703	751	1,500	1,250	1,350	1,350	1,260	1,320
16	1,220	1,040	1,110	946	818	886	1,480	1,270	1,330	1,350	1,290	1,310
17	1,410	1,220	1,330	1,020	946	995	1,360	1,300	1,320	1,430	1,320	1,370
18	1,430	1,380	1,400	1,100	1,010	1,040	1,340	1,250	1,280	1,530	1,310	1,390
19	1,380	1,330	1,350	1,120	1,060	1,090	1,380	1,290	1,330	1,530	1,270	1,340
20	1,480	1,340	1,390	1,320	693	1,010	1,460	1,290	1,350	1,500	1,180	1,300
21	1,440	1,140	1,320	749	614	667	1,440	1,040	1,320	1,440	1,240	1,350
22	1,290	1,080	1,190	807	672	745	1,380	1,100	1,230	---	---	---
23	1,600	1,220	1,300	791	639	691	1,280	1,230	1,250	---	---	---
24	1,510	1,090	1,230	772	697	725	1,360	1,270	1,330	---	---	---
25	1,420	1,140	1,320	935	772	856	1,330	1,270	1,300	---	---	---
26	1,340	1,230	1,280	1,100	935	1,010	1,290	698	858	1,440	1,360	1,390
27	1,340	1,210	1,270	1,200	1,100	1,150	1,360	522	816	1,620	1,300	1,410
28	1,270	1,220	1,240	---	---	---	824	710	748	1,420	1,270	1,340
29	1,240	622	1,050	---	---	---	1,310	824	1,080	1,410	1,320	1,340
30	---	---	---	618	555	577	1,580	998	1,340	1,410	1,220	1,270
31	---	---	---	756	618	675	---	---	---	1,340	1,190	1,250
MONTH	1,670	536	1,170	1,320	224	756	1,580	522	1,210	1,620	336	1,260

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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,550	1,230	1,310	753	587	648	858	694	779	906	739	816
2	1,300	677	1,100	720	646	682	907	815	847	980	906	957
3	872	530	594	704	576	638	991	864	917	1,190	976	1,060
4	1,200	593	1,010	687	573	635	1,010	900	941	1,270	959	1,130
5	1,270	867	955	766	679	717	926	865	891	959	922	944
6	1,200	966	1,030	757	543	663	944	872	906	989	537	743
7	1,350	934	1,060	550	300	488	1,010	920	954	679	536	608
8	1,130	1,050	1,080	899	490	697	978	766	903	775	677	715
9	1,060	328	784	939	899	930	776	662	703	803	724	743
10	744	492	565	997	939	959	791	701	754	845	792	817
11	523	450	469	1,080	997	1,040	791	156	325	907	818	860
12	625	464	531	1,100	1,080	1,090	379	251	304	914	831	875
13	793	625	709	1,120	1,090	1,100	550	379	459	925	850	887
14	921	793	839	1,110	1,050	1,070	827	550	684	930	825	877
15	995	921	942	1,210	1,050	1,060	936	391	777	909	838	884
16	1,090	995	1,050	1,580	1,210	1,270	443	380	403	1,020	541	856
17	1,100	1,030	1,070	1,260	1,180	1,200	607	443	519	608	531	565
18	1,100	985	1,040	1,310	1,190	1,230	739	607	656	704	608	645
19	1,460	280	980	1,290	1,160	1,210	1,070	739	914	1,040	704	880
20	693	473	641	1,210	1,130	1,160	851	652	702	989	828	893
21	544	228	437	1,230	818	1,070	653	565	589	923	823	873
22	455	156	266	1,070	928	995	731	584	630	913	839	881
23	764	189	392	1,080	862	1,000	764	690	715	950	856	909
24	1,000	764	943	971	637	863	786	712	748	935	662	710
25	944	831	886	991	929	962	806	721	763	825	697	742
26	846	752	786	1,080	968	1,010	829	735	779	889	804	826
27	837	414	756	1,160	1,020	1,070	813	739	776	912	835	873
28	576	471	536	1,110	595	979	862	752	807	933	845	890
29	644	576	613	780	558	629	852	742	785	931	845	874
30	694	623	668	631	579	598	811	734	763	1,030	741	914
31	---	---	---	707	627	668	824	730	768	---	---	---
MONTH	1,550	156	801	1,580	300	914	1,070	156	725	1,270	531	842

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.0	14.2	15.4	14.6	12.9	13.8	---	---	---	13.4	8.1	10.9
2	18.6	14.8	16.4	20.9	14.1	17.6	9.0	7.7	8.2	15.9	11.1	13.3
3	21.4	14.6	18.0	23.6	19.0	20.8	9.0	6.5	7.9	16.2	11.8	13.6
4	20.5	18.2	19.3	20.0	13.6	18.2	10.6	4.7	7.4	12.4	3.5	8.1
5	21.6	17.2	19.1	13.6	9.3	11.2	7.6	3.5	5.7	4.3	0.4	2.3
6	24.9	18.5	21.2	9.3	7.4	8.3	8.2	2.2	5.1	1.4	0.0	0.4
7	23.9	18.6	21.4	11.1	6.9	8.9	8.1	4.0	6.2	3.0	0.0	0.9
8	24.5	19.5	22.0	11.0	10.1	10.5	10.6	6.0	8.2	6.8	0.3	3.2
9	22.2	19.8	20.9	12.6	9.9	11.1	10.6	3.9	7.9	7.4	1.6	4.2
10	24.9	19.9	22.1	14.1	11.2	12.5	5.8	1.4	3.5	7.1	1.6	4.3
11	22.8	19.7	21.1	17.1	14.1	15.5	7.1	2.0	4.1	10.2	3.6	6.5
12	23.3	16.5	19.6	16.4	12.2	15.4	4.7	1.7	2.8	9.9	6.2	8.0
13	23.5	17.8	20.4	12.2	9.9	10.8	4.6	2.0	3.6	14.1	9.2	11.1
14	22.1	15.3	18.6	9.9	8.9	9.3	6.4	2.5	4.5	14.4	10.0	11.6
15	21.1	14.8	17.7	13.2	9.1	10.9	9.3	5.2	6.7	12.6	7.5	9.9
16	23.2	15.2	18.7	16.3	9.9	12.9	6.7	3.4	4.9	10.6	9.2	9.8
17	20.7	14.7	17.7	17.3	13.1	14.9	8.1	2.0	4.8	10.7	8.2	9.8
18	22.3	14.3	18.0	14.5	10.9	13.0	9.1	3.6	6.0	8.2	4.8	6.6
19	24.4	16.1	19.9	14.9	8.9	11.7	9.2	3.4	5.9	6.5	1.8	4.4
20	25.2	17.3	20.9	15.6	9.8	12.4	9.7	3.5	6.3	8.3	3.5	5.6
21	25.7	18.2	21.6	15.3	9.6	12.2	11.5	5.0	8.2	9.4	5.4	6.9
22	25.4	17.5	21.3	15.6	9.8	13.0	11.0	8.5	10.1	9.5	4.8	6.8
23	25.5	17.5	21.2	15.2	5.3	9.3	10.5	5.8	8.0	10.3	4.0	7.1
24	22.9	19.2	20.9	8.8	2.9	5.6	9.8	4.1	6.7	12.0	8.4	10.2
25	20.8	13.1	15.8	---	---	---	10.2	4.6	7.1	15.3	11.0	12.5
26	17.3	11.5	14.1	---	---	---	11.3	6.3	8.7	11.6	2.8	7.1
27	18.6	12.5	15.6	---	---	---	14.3	11.3	12.9	5.1	0.6	3.0
28	17.3	14.0	15.6	---	---	---	12.3	8.1	10.5	7.9	1.2	4.3
29	18.9	12.0	15.1	---	---	---	9.7	5.2	7.2	5.1	1.5	3.9
30	21.1	14.1	17.1	---	---	---	9.0	3.6	6.1	5.9	0.0	2.4
31	16.5	14.1	15.0	---	---	---	10.0	4.2	7.0	4.6	1.1	3.0
MONTH	25.7	11.5	18.8	23.6	2.9	12.5	14.3	1.4	6.7	16.2	0.0	6.8
FEBRUARY			MARCH			APRIL			MAY			
1	6.2	4.6	5.5	15.7	8.1	11.6	20.5	13.0	16.9	17.4	13.6	15.7
2	6.1	3.1	4.6	13.1	8.1	10.8	21.5	14.2	17.9	22.2	12.9	17.1
3	6.7	1.7	4.2	11.2	9.7	10.3	20.0	14.3	17.1	22.2	14.4	18.4
4	5.2	3.2	4.1	---	---	---	20.3	14.0	17.1	24.3	15.9	19.8
5	4.6	3.2	4.0	---	---	---	19.3	15.0	17.1	25.8	17.3	21.4
6	3.8	1.3	2.9	---	---	---	18.5	14.6	16.3	26.8	19.2	22.7
7	6.9	0.0	2.9	---	---	---	18.0	15.4	16.6	26.3	19.7	23.1
8	6.5	1.0	3.5	---	---	---	20.9	14.5	17.7	27.3	20.0	23.6
9	8.3	4.2	5.7	13.7	11.4	12.3	19.9	14.6	17.3	26.6	20.1	23.6
10	9.9	2.5	6.1	13.9	9.1	12.1	18.3	13.2	14.9	27.0	20.4	23.7
11	7.6	4.9	6.1	14.1	10.3	12.2	15.9	11.2	13.5	27.5	21.3	24.3
12	5.6	1.2	3.6	13.3	10.7	12.5	16.0	11.7	13.8	27.4	21.5	24.2
13	4.6	0.3	2.7	12.2	11.2	11.6	16.8	10.3	13.4	26.1	19.6	22.7
14	5.3	3.0	4.2	15.7	11.1	13.0	20.1	11.9	15.5	20.2	16.2	18.3
15	7.0	2.1	4.4	14.3	12.5	13.2	21.5	13.3	17.3	25.5	16.3	20.7
16	9.1	3.0	6.1	14.7	9.7	12.2	25.5	17.4	20.8	24.9	18.7	22.1
17	10.3	4.2	7.5	19.0	10.3	14.5	24.8	17.9	21.0	27.3	19.6	23.3
18	11.1	5.7	8.7	21.4	13.9	17.6	21.1	18.4	19.8	27.6	21.8	24.6
19	15.3	8.5	11.6	22.0	16.4	19.0	21.2	17.5	19.4	29.2	22.1	25.2
20	13.8	8.7	11.1	21.2	17.6	19.4	23.9	17.7	20.5	29.7	22.0	25.4
21	15.6	7.1	11.0	17.6	11.4	14.3	23.3	18.2	20.1	27.6	23.0	25.2
22	14.9	8.7	11.5	14.1	11.8	13.1	26.2	17.9	21.5	---	---	---
23	12.2	9.7	11.4	17.2	10.6	13.9	22.6	17.4	19.4	---	---	---
24	9.7	6.0	7.8	17.0	15.3	16.1	20.7	16.3	17.9	---	---	---
25	10.8	3.8	6.8	18.8	16.0	17.3	24.5	15.3	19.7	---	---	---
26	13.8	3.8	8.4	20.6	17.3	18.9	25.2	17.7	21.4	27.9	21.5	24.4
27	15.0	5.9	10.0	19.2	17.2	17.9	25.9	16.5	21.1	25.5	22.3	24.0
28	13.0	7.8	10.1	---	---	---	22.3	18.0	20.0	30.9	21.7	26.0
29	14.6	10.1	11.5	---	---	---	24.3	16.6	20.0	29.3	23.3	26.2
30	---	---	---	19.7	14.4	17.2	22.5	16.9	19.5	30.6	23.1	26.3
31	---	---	---	19.9	12.7	16.3	---	---	---	31.0	19.6	25.1
MONTH	15.6	0.0	6.8	22.0	8.1	14.5	26.2	10.3	18.1	31.0	12.9	22.9

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.6	20.3	25.1	25.7	23.5	24.5	34.6	25.6	29.9	28.4	23.8	26.4
2	29.4	21.3	24.3	29.3	24.1	26.3	35.3	26.3	30.4	29.6	23.8	26.7
3	27.6	19.7	23.3	29.4	25.5	27.4	35.0	26.6	30.5	29.4	23.4	26.5
4	24.5	21.0	22.6	31.6	25.7	28.3	35.3	26.4	30.5	30.5	23.4	26.9
5	28.9	20.9	24.2	31.1	26.0	28.4	31.9	26.4	28.3	30.0	24.6	27.4
6	31.3	22.6	26.5	29.1	24.6	26.7	27.7	23.1	25.8	28.1	24.4	26.3
7	26.6	22.9	24.2	28.3	23.8	26.4	31.2	23.5	27.0	26.7	21.8	24.3
8	26.5	22.6	24.5	31.5	25.6	28.2	27.5	23.3	25.2	26.5	19.8	23.0
9	24.0	21.9	22.7	29.3	26.1	27.3	32.1	23.6	27.3	27.7	19.3	23.3
10	26.4	22.4	23.9	32.3	24.7	28.1	33.7	25.5	29.3	27.9	20.4	24.1
11	30.5	22.9	26.5	32.7	25.5	29.1	29.4	19.7	22.6	28.9	21.6	25.1
12	30.4	24.2	27.1	33.3	25.4	29.4	25.5	21.3	23.3	29.6	23.0	26.1
13	31.1	23.2	27.2	34.4	26.5	30.4	28.2	22.1	24.7	29.1	22.6	25.8
14	34.2	25.1	29.3	32.2	27.2	30.1	27.5	22.4	24.9	28.9	23.1	25.8
15	30.5	25.2	28.0	35.5	28.4	31.1	25.4	22.0	22.9	27.0	23.3	25.2
16	33.8	24.5	28.6	31.9	27.3	29.8	27.5	21.7	24.3	29.8	24.0	26.5
17	34.2	24.8	29.4	31.5	26.7	29.2	29.9	23.2	26.5	29.9	23.8	26.7
18	30.7	24.9	28.1	33.5	24.8	28.9	29.8	23.5	26.7	30.8	25.1	27.8
19	27.9	23.1	24.8	33.7	25.2	29.3	27.6	24.5	26.0	28.5	22.9	25.9
20	27.6	22.2	24.4	34.6	26.4	30.5	25.9	22.5	23.9	27.1	21.1	24.1
21	25.7	21.6	24.1	33.6	26.0	29.7	27.3	20.6	23.7	27.6	21.3	24.4
22	24.4	22.8	23.5	33.1	25.7	29.5	29.0	23.8	26.1	26.1	21.6	24.1
23	25.3	22.5	23.8	34.2	26.6	29.9	29.9	24.4	26.9	24.0	21.5	22.7
24	28.7	23.7	25.9	28.4	24.7	26.0	31.6	24.7	27.8	27.1	21.6	23.9
25	28.4	23.1	25.6	25.1	21.4	23.3	30.5	25.9	28.0	27.1	20.8	23.8
26	29.8	22.9	26.2	30.6	21.1	25.4	32.0	25.1	28.3	26.9	20.9	23.8
27	30.8	23.6	26.9	31.1	22.2	26.4	31.9	25.3	28.5	26.6	20.4	23.4
28	28.6	25.3	26.6	27.1	22.8	24.1	30.0	25.2	27.4	24.9	19.4	22.3
29	26.9	24.1	25.5	23.4	22.5	23.0	30.4	23.7	26.9	25.8	19.7	22.9
30	26.2	24.1	25.2	29.1	22.1	24.7	29.1	23.7	26.3	24.1	20.0	21.9
31	---	---	---	32.9	23.8	28.1	30.1	23.2	26.6	---	---	---
MONTH	34.2	19.7	25.6	35.5	21.1	27.7	35.3	19.7	26.7	30.8	19.3	24.9

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.2	10.1	11.8	13.3	8.8	10.5	---	---	---	20.2	12.8	15.6
2	14.4	10.5	12.3	12.3	8.1	10.0	18.0	10.3	13.7	20.2	11.6	15.2
3	14.3	10.1	12.0	11.4	7.5	9.0	19.8	10.8	15.0	21.0	10.9	15.0
4	12.7	9.5	11.0	11.5	7.3	9.1	19.5	10.9	15.0	20.5	12.0	15.9
5	13.8	9.8	11.5	12.9	8.7	10.6	19.9	12.7	16.1	21.6	15.6	18.3
6	12.9	8.4	10.3	14.1	10.9	12.3	20.3	12.9	16.1	20.3	16.8	18.6
7	10.1	7.7	8.6	14.0	11.0	12.4	15.1	12.9	14.2	19.2	16.1	17.7
8	12.2	6.8	9.0	13.7	10.2	11.8	15.6	11.8	13.8	19.0	15.9	17.1
9	8.5	6.7	7.6	15.6	10.2	12.5	13.8	10.6	12.1	19.1	14.7	16.5
10	12.3	6.8	7.9	15.1	9.9	12.1	15.2	13.0	14.3	17.4	14.6	15.9
11	8.4	6.8	7.5	16.3	9.5	12.2	14.9	12.3	13.5	17.1	13.7	15.1
12	8.9	7.4	8.2	13.4	9.9	11.8	15.6	13.1	14.5	17.8	11.9	14.5
13	9.4	7.5	8.3	13.8	10.3	12.5	15.3	13.5	14.4	17.3	10.4	13.1
14	10.1	7.7	8.8	13.8	9.2	11.0	14.1	12.2	13.4	15.5	9.4	12.3
15	11.0	7.1	9.1	12.6	9.7	10.8	12.7	11.6	12.1	16.9	10.7	13.0
16	11.1	7.5	9.3	13.6	9.0	10.8	---	---	---	13.6	10.6	12.2
17	12.4	8.0	10	11.1	7.3	9.0	---	---	---	11.6	10.0	10.8
18	12.6	8.5	10.2	11.2	8.5	9.7	---	---	---	13.2	11.5	12.5
19	12.6	7.7	9.7	11.1	9.3	10.1	19.0	17.5	18.1	14.0	12.7	13.3
20	13.4	7.0	9.7	11.2	9.1	10	18.6	17.1	17.7	13.3	9.9	12.3
21	12.6	6.5	9.0	12.5	9.7	10.7	18.4	15.5	17.1	12.4	10.1	11.6
22	12.3	5.9	8.4	12.9	9.0	10.6	17.2	13.9	15.5	12.6	11.4	11.9
23	13.0	5.6	8.5	14.5	8.9	11.9	21.3	14.8	17.5	12.7	11.0	11.9
24	---	---	---	15.2	11.8	13.4	21.9	15.7	18.3	11.6	10.1	10.8
25	---	---	---	---	---	---	20.8	15.2	17.6	11.0	9.2	10
26	---	---	---	---	---	---	20.4	14.3	16.6	13.6	9.6	11.5
27	---	---	---	---	---	---	17.8	12.3	14.4	14.5	11.4	13.4
28	---	---	---	---	---	---	16.8	12.3	14.2	14.6	13.0	13.9
29	---	---	---	---	---	---	19.8	14.3	16.7	14.6	12.6	13.5
30	10.7	8.2	9.3	---	---	---	19.5	15.5	17.1	15.0	14.2	14.6
31	12.3	7.9	9.7	---	---	---	21.1	15.3	17.5	14.9	13.6	14.3
MONTH	14.4	5.6	9.5	16.3	7.3	11.0	21.9	10.3	15.4	21.6	9.2	13.9
FEBRUARY			MARCH			APRIL			MAY			
1	13.6	12.6	13.1	9.9	8.5	9.2	---	---	---	8.6	6.2	7.7
2	13.9	12.3	13.3	11.0	8.2	9.4	---	---	---	9.1	7.5	8.3
3	14.4	13.1	13.8	10.1	7.8	8.9	---	---	---	10.4	5.7	8.8
4	14.3	12.7	13.5	---	---	---	---	---	---	9.5	7.0	8.4
5	14.6	13.3	14.0	---	---	---	---	---	---	10.5	6.2	8.2
6	15.0	13.6	14.2	---	---	---	---	---	---	10.1	6.6	8.0
7	14.8	13.6	14.3	---	---	---	---	---	---	10.3	7.0	8.4
8	14.9	13.1	14.0	---	---	---	12.4	9.9	11.3	10.0	6.7	8.1
9	13.6	11.9	12.6	12.9	11.5	12.3	12.2	9.8	10.9	10.0	6.5	8.2
10	16.6	11.9	13.8	12.2	10.8	11.5	11.2	9.4	10.6	10.4	6.4	8.3
11	16.1	13.8	14.6	11.6	10.4	11.2	12.5	11.1	11.9	10.4	6.5	8.2
12	16.7	14.1	15.7	11.4	10.1	10.9	12.4	11.1	11.8	10.0	6.6	8.0
13	16.7	14.8	15.9	11.4	11.1	11.3	12.8	10.0	11.7	8.8	4.0	7.1
14	16.2	14.7	15.4	11.3	10.0	10.9	10.8	9.6	10.1	9.4	6.6	8.1
15	16.3	14.7	15.5	10.0	9.5	9.7	11.2	9.0	10.3	9.1	7.2	8.4
16	16.1	13.6	15.1	9.9	9.5	9.7	10.3	8.2	9.2	9.9	6.9	8.4
17	16.1	13.4	14.7	10.2	7.5	9.4	---	---	---	10.3	7.0	8.6
18	15.6	12.8	14.3	9.3	7.6	8.6	---	---	---	8.8	5.7	7.3
19	14.0	11.5	12.8	11.0	7.8	9.3	---	---	---	9.9	5.7	7.8
20	16.2	11.4	13.5	11.3	8.4	9.5	---	---	---	10.5	6.5	8.0
21	15.0	11.2	12.9	11.0	8.5	10.1	---	---	---	10.7	6.0	8.5
22	16.7	11.0	13.6	10.7	9.3	10.1	12.7	9.5	11.0	---	---	---
23	13.2	8.1	10.8	11.2	9.4	10.5	13.2	9.1	10.9	---	---	---
24	11.8	9.3	10.3	9.7	9.0	9.5	16.1	10.8	13.0	---	---	---
25	12.3	10.4	11.2	9.5	8.3	9.0	15.3	11.1	13.0	11.1	8.2	9.8
26	13.0	10.4	11.3	9.6	7.9	8.6	16.2	9.2	12.7	13.2	10.0	11.3
27	13.7	9.7	11.4	10.3	7.5	8.9	18.2	10.1	13.6	15.0	10.3	11.9
28	15.1	9.1	11.5	---	---	---	17.2	10.7	14.1	13.2	10.3	11.9
29	13.8	7.0	10.2	---	---	---	15.6	9.7	13.3	12.5	10.4	11.3
30	---	---	---	---	---	---	11.3	6.5	8.5	11.5	9.3	10.7
31	---	---	---	---	---	---	---	---	---	11.9	9.3	10.6
MONTH	16.7	7.0	13.4	12.9	7.5	9.9	18.2	6.5	11.6	15.0	4.0	8.9

07241520 NORTH CANADIAN RIVER AT BRITTON ROAD AT OKLAHOMA CITY, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	11.7	8.8	10.2	6.2	4.1	5.1	6.5	3.1	4.6	---	---	---
2	9.3	3.9	7.9	8.3	5.6	6.8	6.6	2.6	4.4	---	---	---
3	6.3	5.5	6.0	---	---	---	5.6	1.5	3.4	14.8	5.8	10.1
4	9.6	5.8	7.8	---	---	---	9.1	2.2	3.6	15.1	6.7	10.3
5	8.1	6.7	7.5	---	---	---	---	---	---	13.4	6.1	9.4
6	8.1	6.3	7.3	---	---	---	---	---	---	11.2	4.1	7.2
7	9.0	6.0	7.4	---	---	---	---	---	---	8.4	3.1	5.7
8	9.1	7.0	8.1	12.8	---	9.7	---	---	---	7.8	4.3	6.0
9	8.3	6.2	7.2	11.9	8.3	10.1	---	---	---	9.9	4.7	7.2
10	7.7	7.1	7.4	13.2	9.2	10.8	---	---	---	10.2	5.8	7.8
11	7.9	6.3	7.4	13.0	8.8	10.6	---	---	---	10.2	5.6	8.0
12	8.4	6.3	7.4	13.0	8.8	10.7	---	---	---	11.3	4.6	7.9
13	9.1	6.0	7.5	13.6	8.5	10.9	---	---	---	12.9	4.1	8.3
14	11.2	5.6	7.7	---	---	---	---	---	---	11.6	4.6	8.0
15	11.8	3.5	7.1	---	---	---	---	---	---	10.5	3.9	7.1
16	13.8	2.4	7.6	11.3	5.2	8.7	---	---	---	13.0	3.4	6.5
17	19.3	5.2	10.2	10.5	6.5	8.4	---	---	---	9.2	5.4	7.2
18	17.4	3.1	9.5	11.8	6.4	8.9	---	---	---	9.2	3.6	6.0
19	9.1	3.4	5.5	12.7	6.2	9.1	11.7	2.8	7.3	11.5	3.8	6.9
20	6.1	3.6	5.2	11.9	6.1	8.6	14.1	6.2	9.4	10.9	5.3	8.1
21	6.2	5.1	5.8	14.9	6.0	9.5	11.9	7.5	9.5	11.5	6.4	8.3
22	7.0	5.9	6.5	12.9	6.0	9.1	13.8	6.7	9.7	10.7	5.7	8.0
23	7.6	6.7	6.9	11.0	5.4	7.9	13.4	6.7	9.6	8.7	4.1	6.7
24	9.9	7.0	8.3	6.7	4.2	5.6	16.3	5.9	10.2	6.5	3.7	5.2
25	7.4	5.0	6.6	7.7	3.7	5.5	15.0	5.9	9.8	---	---	---
26	10.1	4.5	6.7	5.3	2.7	4.2	11.5	5.4	7.9	---	---	---
27	10.7	4.1	7.0	5.0	3.0	3.9	8.6	3.7	5.9	---	---	---
28	7.6	3.2	5.9	7.3	3.0	4.8	---	---	---	---	---	---
29	7.9	1.6	5.2	6.4	4.6	5.7	---	---	---	---	---	---
30	6.7	4.4	5.4	6.8	5.0	5.9	---	---	---	---	---	---
31	---	---	---	6.9	4.0	5.4	---	---	---	---	---	---
MONTH	19.3	1.6	7.2	14.9	2.7	7.7	16.3	1.5	7.3	15.1	3.1	7.5

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK

LOCATION.--Lat 35°30'01", long 97°11'37", in SW ¼ NW ¼ 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 sea level. June 19, 1981 to May 31, 1987, gage 0.8 mi downstream at same datum.

REMARKS.--Records poor. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e111	113	95	96	e176	e220	225	196	e92	e1,040	e234	130
2	e105	120	98	86	e250	e196	209	226	e200	e1,510	e179	116
3	e118	e111	100	93	e312	e244	361	218	450	e1,100	e192	121
4	e147	e102	98	89	e231	1,320	496	e351	249	e843	202	110
5	e131	e97	101	88	e167	1,310	483	e155	232	e625	e139	e102
6	e121	e98	101	88	e154	582	466	e153	206	e443	e192	e111
7	117	e91	150	96	e138	e283	427	e325	145	e1,090	e179	284
8	e113	e95	256	104	e131	229	363	e301	253	e1,030	e165	e139
9	610	e85	261	97	e128	1,240	245	e238	341	e924	e578	e125
10	933	e87	204	97	127	733	190	e210	1,420	e634	e378	e115
11	e335	e88	153	128	e125	678	235	e202	475	e488	e3,280	e102
12	e220	e87	167	105	e128	356	239	199	322	e425	e3,950	e102
13	e168	e90	350	109	e190	592	235	e230	203	e352	e1,230	e98
14	e138	e95	260	139	e283	475	201	430	153	e307	e556	e96
15	e104	134	211	116	e230	229	172	369	132	264	e465	e100
16	e122	151	170	160	e205	171	194	292	122	e189	e780	e109
17	e97	121	140	e257	e211	149	241	273	106	e284	e500	e442
18	e88	454	e111	e525	e199	135	177	252	107	e175	296	e281
19	e84	214	e107	e418	e196	124	152	383	134	e168	e283	e153
20	e83	e149	e98	343	e164	119	144	252	423	e270	250	e125
21	e81	e130	e96	e414	e130	181	137	288	775	e179	260	e119
22	e84	e118	e95	e330	e117	184	158	405	2,450	e190	242	e109
23	e102	111	e98	e253	e110	169	157	249	1,220	e228	205	e104
24	e196	103	e95	e230	e208	158	143	198	e1,530	e209	190	e135
25	e400	107	e98	e192	e187	103	139	143	757	e361	181	e157
26	e253	105	e95	e168	e148	92	129	132	e397	e225	171	e119
27	177	103	e99	e148	e109	88	122	128	e288	e161	164	e104
28	176	94	e132	e250	e112	618	117	183	e234	e152	172	e105
29	153	97	137	e179	e142	926	113	168	e216	e631	193	98
30	130	95	113	e133	---	460	118	197	e198	e843	173	119
31	114	---	103	e141	---	263	---	123	---	e361	153	---
TOTAL	5,811	3,645	4,392	5,672	5,008	12,627	6,788	7,469	13,830	15,701	16,132	4,130
MEAN	187	122	142	183	173	407	226	241	461	506	520	138
MAX	933	454	350	525	312	1,320	496	430	2,450	1,510	3,950	442
MIN	81	85	95	86	109	88	113	123	92	152	139	96
AC-FT	11,530	7,230	8,710	11,250	9,930	25,050	13,460	14,810	27,430	31,140	32,000	8,190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

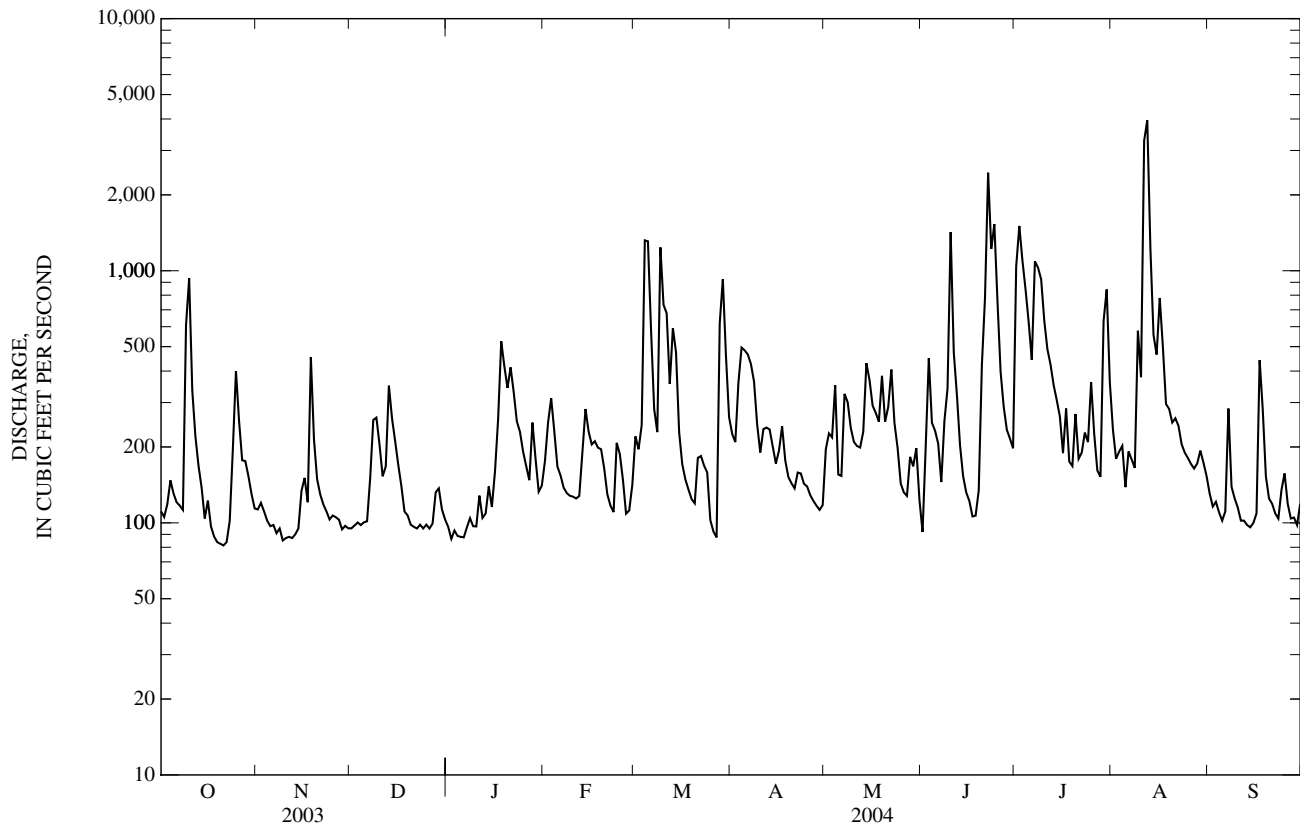
MEAN	422	377	330	325	383	594	584	905	883	388	275	312
MAX	3,634	1,627	1,209	1,351	1,293	2,596	2,312	4,265	4,041	1,154	1,228	1,699
(WY)	(1987)	(1975)	(1992)	(1998)	(1987)	(1990)	(1988)	(1993)	(1989)	(1989)	(1989)	(1989)
MIN	71.3	56.7	68.1	58.3	61.1	76.1	76.6	79.5	75.5	83.1	54.5	64.0
(WY)	(1970)	(1970)	(1977)	(1970)	(1970)	(1971)	(1971)	(1971)	(1972)	(2003)	(1972)	(1972)

e Estimated

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	86,725		101,205		482	
ANNUAL MEAN	238		277		93.0	
HIGHEST ANNUAL MEAN					1,322	
LOWEST ANNUAL MEAN					93.0	
HIGHEST DAILY MEAN	1,570	Mar 13	3,950	Aug 12	20,000	May 29, 1987
LOWEST DAILY MEAN	48	Aug 27	81	Oct 21	28	Aug 8, 1972
ANNUAL SEVEN-DAY MINIMUM	55	Aug 21	88	Oct 17	31	Jul 30, 1972
MAXIMUM PEAK FLOW			8,980	Aug 11	27,200	May 29, 1987
MAXIMUM PEAK STAGE			14.35	Aug 11	a22.64	May 29, 1987
ANNUAL RUNOFF (AC-FT)	172,000		200,700		348,900	
10 PERCENT EXCEEDS	479		497		1,030	
50 PERCENT EXCEEDS	168		172		223	
90 PERCENT EXCEEDS	83		98		74	

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.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,470 microsiemens, Apr. 11; minimum, 199 microsiemens, Mar. 5.

pH: Maximum, 9.3 units, July 20; minimum, 7.4 units, Mar. 28.

WATER TEMPERATURE: Maximum, 34.9°C, July 15; minimum, 0.0°C Jan. 6.

DISSOLVED OXYGEN: Maximum recorded (more than 20% missing record), 15.9 mg/L, Dec. 6; minimum recorded, 3.4 mg/L, Aug. 27.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Depth at sample loc- ation, feet (81903)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from 1 bank (00009)
SEP												
30...	1030	1028	1028	.71	5.78	118	734	7.2	8.0	895	20.2	8.00
30...	1032	1028	1028	.95	5.78	118	734	7.2	8.0	897	20.6	16.0
30...	1034	1028	1028	1.00	5.78	118	734	7.3	8.0	898	20.8	24.0
30...	1036	1028	1028	1.20	5.78	118	734	7.3	8.0	899	20.8	32.0
30...	1038	1028	1028	1.90	5.78	118	734	7.3	8.0	899	20.8	40.0
30...	1040	1028	1028	1.70	5.78	118	734	7.3	8.0	900	20.8	48.0
30...	1042	1028	1028	1.90	5.78	118	734	7.3	8.0	897	20.8	56.0
30...	1044	1028	1028	2.10	5.78	118	734	7.3	8.0	895	20.8	64.0
30...	1046	1028	1028	3.19	5.78	118	734	7.3	8.0	901	20.8	72.0
30...	1048	1028	1028	3.40	5.78	118	734	7.3	8.0	899	20.7	80.0
30...	1050	1028	1028	1.80	5.78	118	734	7.3	8.0	897	20.7	88.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	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)
OCT 07...	1145	1028	80020	5.70	117	15	737	2.2	9.4	109	8.1	710	26.6
NOV 05...	1230	1028	80020	7.92	97	3.5	733	1.8	10.3	99	8.2	946	8.4
DEC 16...	1400	1028	80020	5.93	167	12	737	1.9	12.1	104	8.1	1,080	5.1
JAN 20...	1300	1028	80020	8.03	980	32	733	2.5	10.5	93	8.1	1,070	9.4
FEB 10...	1130	1028	80020	5.75	261	18	740	6.2	8.9	74	7.7	960	12.4
MAR 09...	1345	1028	80020	8.70	1,240	230	742	2.5	9.0	90	7.9	363	18.7
APR 07...	1045	1028	80020	6.85	413	66	730	3.6	10.2	108	8.0	1,200	16.4
MAY 12...	1200	1028	80020	6.07	199	39	725	2.0	10.4	127	8.2	1,180	25.7
JUN 16...	0830	1028	80020	5.94	125	11	736	2.1	7.1	90	8.2	930	26.1
JUL 07...	1100	1028	80020	8.10	1,100	100	735	2.3	6.9	88	8.0	668	28.6
AUG 18...	1045	1028	80020	6.42	296	11	733	2.8	8.6	107	8.0	661	32.1
SEP 07...	1040	1028	80020	6.62	367	11	745	3.8	9.2	114	7.8	804	27.5

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Temperature, water, deg C (00010)	Noncarb hard- ness, wat flt field, mg/L as CaCO ₃ (00904)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)
OCT 07...	20.7	--	--	--	--	--	--	--	--	128	124	151	.0
NOV 05...	11.9	72	220	52.3	21.9	10.5	3	109	50	148	150	182	.0
DEC 16...	7.3	--	--	--	--	--	--	--	--	133	129	156	.0
JAN 20...	8.1	--	--	--	--	--	--	--	--	158	165	200	.0
FEB 10...	5.9	73	230	56.3	22.5	9.65	3	109	49	161	161	194	.0
MAR 09...	14.0	--	--	--	--	--	--	--	--	110	87	106	.0
APR 07...	15.6	--	--	--	--	--	--	--	--	175	169	E204	E.0
MAY 12...	22.7	180	350	82.3	34.5	8.24	3	122	43	182	173	208	1
JUN 16...	25.6	--	--	--	--	--	--	--	--	155	147	177	1
JUL 07...	25.9	--	--	--	--	--	--	--	--	115	106	129	.0
AUG 18...	24.5	54	190	50.8	15.5	6.66	2	56.2	38	149	138	168	.0
SEP 07...	24.9	--	--	--	--	--	--	--	--	131	125	152	.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	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)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus- pended, 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)
OCT 07...	--	--	--	--	--	--	--	--	20	.69	.77	.02	.013
NOV 05...	140	1.0	9.51	102	557	.78	151	576	12	1.1	1.5	.19	.148
DEC 16...	--	--	--	--	--	--	--	--	<10	1.1	2.0	.19	.144
JAN 20...	--	--	--	--	--	--	--	--	43	.76	1.4	.35	.273
FEB 10...	136	.9	9.94	95.9	566	.79	410	581	<10	1.1	1.2	.38	.293
MAR 09...	--	--	--	--	--	--	--	--	58	.63	1.6	.30	.236
APR 07...	--	--	--	--	--	--	--	--	72	.53	1.4	--	E.008
MAY 12...	143	.8	6.49	210	719	1.02	404	751	82	1.0	1.4	.09	.067
JUN 16...	--	--	--	--	--	--	--	--	<10	.93	1.2	.03	.024
JUL 07...	--	--	--	--	--	--	--	--	16	.71	1.4	.05	.035
AUG 18...	69.8	.6	9.51	66.0	370	.53	309	387	38	.92	1.1	.16	.125
SEP 07...	--	--	--	--	--	--	--	--	<10	.54	.95	--	E.009

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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, fltrd, mg/L (00607)	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)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)
OCT 07...	16.5	3.74	3.77	.118	.036	.68	.76	2.96	.96	1.12	1.13	4.5	4.5
NOV 05...	16.7	3.77	3.84	.227	.069	.93	1.4	3.19	1.04	1.21	1.27	4.9	5.4
DEC 16...	21.5	4.86	4.89	.082	.025	.91	1.8	1.95	.635	.70	.78	5.9	6.9
JAN 20...	8.67	1.96	2.00	.128	.039	.49	1.2	.451	.147	.170	.33	2.8	3.4
FEB 10...	25.6	5.79	5.88	.286	.087	.81	.91	2.04	.664	.79	.84	7.0	7.1
MAR 09...	4.89	1.10	1.14	.118	.036	.39	1.3	.307	.100	.117	.57	1.8	2.7
APR 07...	4.84	1.09	1.10	.036	.011	--	--	.831	.271	.30	.47	1.6	2.5
MAY 12...	5.83	1.32	1.35	.092	.028	.97	1.3	1.26	.411	.47	.65	2.4	2.7
JUN 16...	18.9	4.28	4.31	.102	.031	.91	1.2	2.86	.933	.93	1.02	5.2	5.5
JUL 07...	3.95	.89	.908	.053	.016	.68	1.3	.540	.176	.199	.37	1.6	2.3
AUG 18...	9.67	2.19	2.26	.237	.072	.80	1.0	1.36	.442	.48	.53	3.2	3.4
SEP 07...	13.8	3.12	3.18	.194	.059	--	--	1.76	.573	.55	.67	3.7	4.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Organic carbon, water, unfiltrd mg/L (00680)	BOD, water, unfiltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep-tococci KF MF, col/ 100 mL (31673)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
OCT 07...	--	2.1	1,100	180	--	--	--	--	--	--	--	--	--
NOV 05...	10.2	10.8	620	277	2.4	87.7	<.4	<3	5	<3	E3	24	1.24
DEC 16...	--	6.2	170	230	--	--	--	--	--	--	--	--	--
JAN 20...	--	7.3	1,000	660	--	--	--	--	--	--	--	--	--
FEB 10...	7.4	6.8	390	52	1.4	105	<.4	<3	5	<3	E3	24	.47
MAR 09...	--	--	1,100	1,880	--	--	--	--	--	--	--	--	--
APR 07...	--	4.6	290	283	--	--	--	--	--	--	--	--	--
MAY 12...	17.3	8.8	190	235	4.3	144	<.4	<3	E3	<3	7	15	1.11
JUN 16...	--	--	250	183	--	--	--	--	--	--	--	--	--
JUL 07...	--	7.1	--	170	--	--	--	--	--	--	--	--	--
AUG 18...	7.2	3.7	180	780	4.4	153	<.4	E2	<4	<3	E4	<6	.47
SEP 07...	--	2.3	--	204	--	--	--	--	--	--	--	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Chlor- dane, technical, water, unfltrd ug/L (39350)	Chlor- pyrifos water, unfltrd ug/L (38932)	Cyana- zine, water, unfltrd ug/L (81757)	Cyclo- ate, water, unfltrd ug/L (30254)	Diazi- non, water, unfltrd ug/L (39570)	Di- chlor- prop, water, unfltrd ug/L (82183)	Diel- drin, water, unfltrd ug/L (39380)	Diphen- amid, water, unfltrd ug/L (30255)	Disul- foton, 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)
OCT 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 05...	<.1	<.01	<.2	<.1	.02	<.02	E.001	<.1	<.10	<.002	<.01	<.01	<.001
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	<.1	<.01	<.2	<.1	E.01	E.01	.002	<.1	<.10	<.002	<.01	<.01	<.001
MAR 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.1	<.01	<.2	<.1	E.02	<.02	<.002	<.1	<.10	<.002	<.01	<.01	<.001
JUN 16...	--	<.01	--	--	.02	--	--	--	<.10	--	<.01	<.01	--
JUL 07...	--	<.01	--	--	E.02	--	--	--	<.10	--	<.01	<.01	--
AUG 18...	<.1	<.01	<.2	<.1	.03	<.02	<.002	<.1	<.10	<.002	<.01	<.01	E.001
SEP 07...	--	<.01	--	--	E.02	--	--	--	<.10	--	<.01	<.01	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Hepta- chlor, water, unfltrd ug/L (39410)	Hexa- zinone, water, unfltrd ug/L (30264)	Iso- fenfos, surrog, Sch1398 wat unf percent recovery (90571)	Iso- fenfos, surrog, Sch1319 wat unf percent recovery (90712)	Lindane water, unfltrd ug/L (39340)	Malathion, water, unfltrd ug/L (39530)	Methyl parathion, 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)
OCT 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 05...	<.001	<.2	77.2	53.1	.0049	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	<.001	<.2	81.8	59.8	.0046	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002
MAR 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.001	<.2	82.4	65.0	.0022	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002
JUN 16...	--	--	--	68.5	--	<.10	<.01	--	--	--	--	--	--
JUL 07...	--	--	--	85.6	--	<.10	<.01	--	--	--	--	--	--
AUG 18...	<.001	<.2	60.2	76.0	E.0018	<.10	<.01	<.2	<.1	<.001	<.002	<.002	<.002
SEP 07...	--	--	--	77.9	--	<.10	<.01	--	--	--	--	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	p,p'- Meth- oxy- chlor, water, unfltrd ug/L (39480)	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)
OCT 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 05...	<.003	<.01	68.9	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.2	<.1	<.2
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	<.003	<.01	84.0	<.1	<.02	<.2	<.1	<.1	<.1	<.02	.3	<.1	<.2
MAR 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.003	<.01	E51.3	<.1	<.02	<.2	<.1	<.1	<.1	<.02	E.1	<.1	<.2
JUN 16...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--
JUL 07...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--
AUG 18...	<.003	<.01	67.8	<.1	<.02	<.2	<.1	<.1	<.1	<.02	E.1	<.1	<.2
SEP 07...	--	<.01	--	--	<.02	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Toxa- phene, water, unfltrd ug/L (39400)	Tribu- phos, water, unfltrd ug/L (39040)	Tri- flur- alin, water, unfltrd ug/L (39030)	Vernol- ate, water, unfltrd ug/L (30324)
OCT 07...	--	--	--	--
NOV 05...	<1	<.02	<.1	<.1
DEC 16...	--	--	--	--
JAN 20...	--	--	--	--
FEB 10...	<1	<.02	<.1	<.1
MAR 09...	--	--	--	--
APR 07...	--	--	--	--
MAY 12...	<1	<.02	<.1	<.1
JUN 16...	--	<.02	--	--
JUL 07...	--	<.02	--	--
AUG 18...	<1	<.02	<.1	<.1
SEP 07...	--	<.02	--	--

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	794	777	786	---	---	---	963	878	933	1,070	991	1,030
2	848	753	780	---	---	---	965	916	941	1,070	999	1,040
3	904	751	808	---	---	---	976	937	954	1,080	995	1,030
4	767	638	726	970	896	921	1,020	963	990	1,090	1,010	1,040
5	707	633	667	999	915	945	1,020	975	996	1,110	1,010	1,050
6	723	684	701	982	931	949	1,040	982	1,010	1,110	1,010	1,050
7	727	694	714	1,010	916	954	1,200	991	1,050	1,080	1,010	1,040
8	759	719	742	1,010	926	958	1,130	855	1,010	1,100	1,000	1,050
9	749	307	497	1,000	902	957	1,090	975	1,030	1,050	979	1,020
10	447	322	376	985	915	945	1,110	1,050	1,090	1,100	1,000	1,050
11	608	447	539	979	911	936	1,140	1,050	1,100	1,290	1,070	1,200
12	697	608	654	974	880	922	1,260	1,030	1,150	1,200	1,070	1,140
13	767	697	734	989	897	941	1,420	1,160	1,250	1,110	1,000	1,050
14	775	750	762	972	858	911	1,420	1,090	1,280	1,100	1,000	1,050
15	799	767	782	1,020	898	953	1,280	1,130	1,210	1,100	1,030	1,070
16	826	793	811	1,090	915	989	1,180	1,060	1,100	1,320	1,030	1,150
17	839	811	830	---	---	---	1,110	1,060	1,080	1,120	794	956
18	850	828	838	---	---	---	1,120	1,040	1,070	794	711	735
19	854	814	836	---	---	---	1,100	1,010	1,040	793	757	767
20	814	781	793	823	795	807	1,080	1,030	1,050	1,060	793	941
21	804	756	784	848	790	833	1,090	1,020	1,050	979	688	849
22	806	764	793	897	848	870	1,080	1,020	1,040	931	694	845
23	818	792	806	931	893	920	1,090	1,020	1,050	1,040	931	989
24	967	789	850	970	919	940	1,100	1,030	1,060	1,020	970	999
25	858	797	840	940	897	918	1,100	1,040	1,060	989	942	963
26	887	835	865	929	907	919	1,100	1,030	1,070	965	839	910
27	903	818	854	961	929	942	1,100	998	1,050	1,250	839	1,030
28	936	824	878	968	898	944	1,130	1,010	1,050	1,070	913	952
29	927	856	896	971	919	947	1,130	970	1,050	989	967	976
30	976	908	936	970	909	943	1,120	1,060	1,080	1,030	956	987
31	964	902	933	---	---	---	1,130	1,020	1,060	1,000	965	985
MONTH	976	307	768	1,090	790	928	1,420	855	1,060	1,320	688	998
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	1,080	717	898	835	740	783	1,190	1,010	1,060
2	---	---	---	767	713	741	888	835	861	1,080	593	763
3	803	683	745	788	432	677	1,100	887	936	1,330	908	995
4	735	648	689	601	203	379	939	897	909	1,320	1,140	1,230
5	924	735	807	396	199	302	1,060	939	985	1,140	1,080	1,100
6	1,020	901	940	---	---	---	1,160	1,060	1,100	1,180	1,060	1,110
7	1,090	976	1,030	---	---	---	1,240	1,160	1,190	1,270	1,180	1,230
8	978	914	941	---	---	---	1,300	1,230	1,250	1,220	1,130	1,170
9	943	911	922	944	343	476	1,410	1,290	1,330	1,140	1,100	1,110
10	989	922	956	893	659	855	1,420	1,340	1,370	1,150	1,110	1,120
11	1,030	964	1,000	874	509	628	1,470	1,320	1,400	1,190	1,140	1,160
12	1,180	1,000	1,070	663	511	595	1,320	1,240	1,280	1,210	1,160	1,190
13	1,320	1,000	1,120	592	454	477	1,240	1,190	1,200	1,250	1,140	1,200
14	1,020	926	965	638	463	552	1,210	1,140	1,170	1,170	916	1,040
15	939	923	930	789	638	717	1,140	1,100	1,130	1,130	912	1,040
16	963	935	955	860	789	824	1,240	1,100	1,170	1,200	1,130	1,170
17	1,080	963	1,010	932	860	901	1,340	1,140	1,240	1,230	1,190	1,210
18	1,220	1,080	1,150	988	930	960	1,280	1,110	1,170	1,240	1,170	1,220
19	1,270	1,150	1,210	1,010	988	1,000	1,110	1,050	1,090	1,310	1,110	1,200
20	1,210	1,080	1,130	1,030	1,000	1,020	1,060	1,040	1,060	1,300	1,160	1,230
21	1,150	1,080	1,120	1,160	859	1,070	1,100	1,040	1,080	1,310	1,160	1,220
22	1,160	1,020	1,090	859	762	791	1,090	1,000	1,060	1,300	1,250	1,270
23	1,020	907	968	880	806	849	1,110	988	1,050	1,290	1,220	1,270
24	1,390	927	1,130	860	797	816	1,060	1,010	1,040	1,220	751	865
25	1,350	978	1,150	921	823	886	1,090	1,040	1,070	853	812	830
26	1,010	965	992	958	920	935	1,120	1,070	1,090	862	825	842
27	1,110	1,010	1,050	987	958	973	1,090	1,020	1,060	988	862	933
28	1,080	994	1,030	1,110	522	827	1,100	1,040	1,070	1,310	988	1,160
29	1,090	899	996	522	505	512	1,120	1,040	1,080	1,320	1,220	1,270
30	---	---	---	595	505	540	1,080	1,020	1,060	1,380	1,270	1,310
31	---	---	---	740	595	674	---	---	---	1,380	1,200	1,280
MONTH	1,390	648	1,000	1,160	199	746	1,470	740	1,110	1,380	593	1,120

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,200	1,160	1,170	1,050	832	935	803	721	756	945	895	909
2	1,420	845	1,190	883	757	811	865	797	814	954	909	944
3	1,070	764	914	800	733	775	916	865	882	999	945	977
4	783	724	749	737	653	695	963	916	944	1,040	999	1,020
5	1,120	762	1,050	784	672	732	1,040	963	1,010	1,060	1,020	1,050
6	1,160	969	1,050	815	745	784	995	955	964	1,060	981	1,020
7	1,140	1,010	1,060	812	419	649	977	946	956	994	720	845
8	1,240	989	1,070	679	423	559	990	924	960	795	713	749
9	1,110	554	816	929	679	837	962	766	858	858	795	828
10	875	558	642	966	929	945	792	744	770	893	858	879
11	652	552	605	1,030	966	987	792	242	487	915	876	892
12	627	580	595	1,070	1,030	1,060	339	221	279	928	911	918
13	752	599	675	1,070	1,050	1,060	507	339	423	937	911	924
14	844	752	801	1,100	1,070	1,090	664	507	596	938	905	924
15	895	844	875	1,100	1,050	1,090	696	651	678	942	907	928
16	953	895	933	1,070	1,000	1,030	810	442	586	968	916	938
17	969	953	961	1,250	1,000	1,130	590	448	511	957	612	814
18	1,000	969	990	1,100	1,020	1,060	748	590	669	760	613	683
19	1,010	791	919	1,120	1,010	1,050	790	748	773	859	760	814
20	997	602	740	1,160	1,050	1,120	890	788	820	876	840	857
21	648	498	575	1,120	1,010	1,060	967	807	891	960	876	929
22	559	308	392	1,150	1,030	1,100	807	762	777	962	913	940
23	650	374	482	1,130	1,090	1,110	796	766	779	938	906	922
24	1,030	650	873	1,100	972	1,010	866	796	831	937	914	926
25	1,090	1,020	1,060	1,000	858	931	912	862	884	914	790	828
26	1,020	954	971	979	948	963	920	894	910	836	803	820
27	959	942	950	1,010	963	983	944	904	920	880	835	857
28	1,170	932	1,020	1,040	889	976	950	911	929	889	855	870
29	1,130	1,100	1,100	938	631	819	952	921	940	901	877	888
30	1,100	1,010	1,050	779	613	658	921	870	892	902	876	891
31	---	---	---	721	628	665	910	884	901	---	---	---
MONTH	1,420	308	876	1,250	419	925	1,040	221	787	1,060	612	893

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.4	8.1	8.2	8.4	8.0	8.2	8.7	8.0	8.2	8.0	7.6	7.8
2	8.6	8.0	8.2	8.2	7.9	8.0	9.1	7.9	8.3	7.9	7.6	7.7
3	8.1	7.6	7.8	8.3	8.0	8.1	9.1	8.1	8.7	7.9	7.7	7.8
4	7.9	7.8	7.8	8.3	8.0	8.1	8.8	7.9	8.4	7.9	7.7	7.8
5	8.4	7.8	8.1	8.3	8.1	8.2	8.6	7.9	8.2	8.1	7.8	7.9
6	8.4	8.0	8.1	8.6	8.1	8.2	8.3	7.9	8.2	8.2	7.8	8.0
7	8.3	8.1	8.2	8.3	7.8	8.0	8.1	7.8	7.9	8.5	7.8	8.0
8	8.2	8.0	8.1	8.2	7.8	7.9	8.2	7.9	8.0	8.4	7.9	8.1
9	8.2	7.8	8.0	8.5	8.0	8.3	8.2	7.7	8.0	8.1	7.8	8.0
10	7.8	7.7	7.8	8.8	8.2	8.5	8.6	7.9	8.2	8.0	7.8	7.9
11	8.0	7.8	7.9	8.8	8.2	8.5	8.2	7.8	7.9	8.0	7.8	7.9
12	8.3	7.8	7.9	8.8	8.2	8.5	8.0	7.8	7.9	8.0	7.7	7.8
13	8.4	8.0	8.1	8.9	8.3	8.5	7.8	7.7	7.8	8.2	7.8	8.0
14	8.8	8.1	8.3	8.8	8.3	8.5	8.0	7.8	7.8	8.3	7.9	8.1
15	8.9	8.1	8.5	8.9	8.3	8.7	8.3	8.0	8.0	8.3	7.9	8.1
16	8.7	8.1	8.4	8.8	8.2	8.5	8.2	7.9	8.0	8.3	7.8	8.0
17	9.2	8.7	9.0	9.1	8.4	8.7	8.4	7.9	8.0	8.1	7.6	7.9
18	9.1	8.4	8.8	9.1	8.4	8.7	8.5	7.9	8.1	8.5	7.8	8.0
19	8.6	8.2	8.4	9.0	8.4	8.7	8.5	7.9	8.2	8.4	7.9	8.1
20	8.5	7.6	7.9	9.3	8.3	8.7	8.5	8.0	8.2	8.5	7.9	8.2
21	7.8	7.6	7.7	9.0	8.4	8.6	8.3	7.9	8.0	8.6	8.0	8.2
22	7.8	7.7	7.8	9.2	8.2	8.5	8.2	7.9	8.0	8.6	8.0	8.3
23	7.9	7.8	7.8	8.9	8.2	8.5	8.2	7.7	7.9	8.5	8.0	8.2
24	8.1	7.9	8.0	8.3	8.0	8.2	8.3	7.8	8.0	8.4	7.9	8.2
25	8.5	8.1	8.4	8.1	7.7	7.9	8.5	7.8	8.0	8.7	8.1	8.4
26	8.4	8.0	8.2	8.3	7.8	8.0	8.6	7.9	8.2	8.6	8.0	8.3
27	8.9	8.0	8.2	8.6	7.9	8.1	8.5	7.9	8.2	8.5	8.0	8.3
28	8.8	8.4	8.6	8.4	7.9	8.0	8.2	7.8	8.0	8.5	7.9	8.2
29	8.6	8.3	8.5	8.0	7.8	7.9	7.8	7.6	7.8	8.4	8.0	8.2
30	8.5	8.2	8.3	8.2	7.9	7.9	8.3	7.7	7.9	8.3	8.0	8.1
31	---	---	---	8.4	8.0	8.2	8.1	7.7	7.9	---	---	---
MAX	9.2	8.7	9.0	9.3	8.4	8.7	9.1	8.1	8.7	8.7	8.1	8.4
MIN	7.8	7.6	7.7	8.0	7.7	7.9	7.8	7.6	7.8	7.9	7.6	7.7

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.6	15.3	16.4	---	---	---	12.3	8.0	10.0	13.8	9.4	11.7
2	18.9	16.0	17.2	---	---	---	10.2	8.6	9.4	16.1	12.2	13.9
3	22.5	15.7	18.7	---	---	---	9.8	7.8	8.8	16.3	12.8	14.3
4	21.1	19.0	20.0	20.2	15.2	18.8	11.3	6.0	8.5	13.7	5.1	9.5
5	22.7	18.3	20.0	15.2	11.1	12.6	9.4	5.8	7.3	5.1	2.6	3.8
6	24.6	19.0	21.5	11.1	9.6	10.3	9.5	4.1	6.7	4.3	0.0	2.1
7	23.9	19.3	21.7	12.5	8.7	10.6	10.5	6.0	8.0	4.7	2.0	3.1
8	25.0	20.1	22.3	12.3	11.6	12.0	11.5	7.3	9.4	7.9	2.8	5.1
9	23.6	19.7	21.5	13.8	11.3	12.4	11.4	5.9	9.8	8.1	3.8	5.9
10	24.1	20.6	22.1	14.7	12.5	13.5	6.9	3.1	5.0	9.3	3.8	6.4
11	22.8	20.6	21.7	17.6	14.7	16.1	8.1	3.5	5.6	10.3	5.1	7.8
12	23.3	17.8	20.4	17.2	13.7	16.4	6.0	4.0	5.0	10.7	7.6	9.2
13	24.0	18.6	21.0	13.7	11.5	12.1	4.9	3.4	4.3	14.2	10.6	12.2
14	21.9	16.6	19.3	11.7	10.3	10.8	7.9	4.4	6.0	15.1	11.8	13.1
15	21.1	15.6	18.3	15.4	10.2	12.4	10.0	6.1	7.7	13.2	9.3	11.5
16	22.9	16.4	19.2	16.0	11.2	13.4	7.6	5.2	6.3	12.2	10.9	11.5
17	20.9	16.0	18.5	---	---	---	9.0	3.9	6.3	11.2	9.9	10.8
18	22.2	15.6	18.6	---	---	---	9.9	5.9	7.7	9.9	6.1	8.1
19	23.9	17.3	20.5	---	---	---	9.9	5.4	7.5	7.1	3.6	5.5
20	24.4	18.3	21.2	15.6	11.2	13.3	10.3	5.6	7.8	7.8	4.8	6.2
21	24.9	19.0	21.7	15.4	11.0	13.0	11.5	6.7	9.1	8.7	6.8	7.6
22	24.6	18.6	21.5	16.2	11.3	13.9	12.3	10.0	11.2	10.0	6.7	8.0
23	24.7	18.5	21.4	16.1	6.5	10.5	10.7	7.2	9.0	10.4	6.3	8.2
24	22.7	18.7	20.7	9.2	3.9	6.5	10.2	5.9	7.9	12.3	9.4	10.8
25	20.6	14.4	17.3	9.5	5.3	7.3	10.5	6.3	8.1	15.5	11.7	13.1
26	17.1	12.4	14.6	13.1	8.0	10.1	11.5	7.3	9.1	12.9	3.1	8.6
27	18.5	12.1	15.2	10.8	7.3	9.2	15.0	11.5	13.4	4.5	0.3	2.7
28	16.7	14.5	15.7	10.0	5.3	7.5	12.8	9.6	11.4	8.5	2.5	5.3
29	18.8	12.5	15.5	10.5	5.2	7.6	10.5	6.7	8.6	6.6	3.7	5.6
30	20.3	14.8	17.3	11.8	6.3	8.9	9.5	5.4	7.4	7.1	1.0	3.9
31	17.5	15.3	16.1	---	---	---	10.4	5.4	7.8	5.9	4.1	4.9
MONTH	25.0	12.1	19.3	20.2	3.9	11.6	15.0	3.1	8.1	16.3	0.0	8.1
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	14.6	8.9	11.6	20.5	14.0	17.1	18.6	14.4	16.3
2	---	---	---	13.3	9.6	11.6	21.8	15.1	18.2	22.3	14.2	17.9
3	7.6	3.7	5.7	11.8	10.5	11.1	19.6	15.7	17.7	21.7	15.4	18.6
4	6.5	4.7	5.4	11.1	10.2	10.4	20.0	15.0	17.4	24.0	17.5	20.3
5	6.7	4.6	5.6	11.9	10.2	11.0	19.7	15.8	17.4	26.6	18.2	22.1
6	6.0	3.2	4.8	14.0	10.3	11.9	17.3	15.3	16.3	28.0	19.5	23.4
7	7.6	1.4	4.3	13.1	12.0	12.6	17.8	15.5	16.4	25.7	21.2	23.6
8	7.3	2.9	5.0	15.7	11.9	13.7	20.6	15.1	17.7	27.3	21.2	24.1
9	9.3	5.5	6.9	14.8	12.1	13.0	19.0	16.1	17.6	27.1	21.3	24.0
10	10.5	4.6	7.6	14.4	10.9	12.6	17.7	13.1	15.1	26.7	21.2	23.9
11	9.0	7.1	8.1	15.1	12.1	13.3	15.4	11.8	13.5	27.0	22.0	24.3
12	7.8	3.3	5.7	14.3	12.1	13.1	16.0	12.5	14.0	27.5	22.1	24.4
13	7.1	3.0	5.2	13.0	11.5	12.1	17.0	11.6	14.0	25.4	19.5	23.4
14	7.2	5.4	6.2	15.1	11.5	13.0	19.9	12.1	15.7	19.5	17.5	18.2
15	8.8	4.1	6.2	14.1	12.4	13.1	22.6	13.9	17.9	24.1	16.2	19.8
16	10.5	5.0	7.6	15.1	10.5	12.8	25.3	17.7	21.1	25.3	19.5	22.2
17	11.8	6.3	8.9	18.8	11.4	15.0	24.7	18.4	21.3	27.0	20.3	23.4
18	12.2	7.4	9.8	21.2	14.8	17.9	21.5	18.8	19.8	27.8	22.3	24.8
19	15.2	9.3	12.0	21.3	17.0	18.9	20.5	17.4	19.1	27.6	22.7	25.2
20	14.3	9.6	11.9	22.5	17.6	19.7	23.9	17.9	20.5	30.4	22.9	26.3
21	14.8	8.3	11.4	17.6	13.9	15.7	23.8	18.7	20.8	27.4	23.6	25.7
22	14.6	9.9	12.0	15.1	12.1	13.6	25.9	18.3	21.6	26.7	23.1	24.8
23	12.6	11.1	12.0	17.2	10.9	14.0	22.9	17.7	19.8	31.1	22.3	26.2
24	11.1	7.4	9.2	16.0	14.9	15.4	20.3	16.8	18.0	30.8	24.3	27.1
25	11.1	5.5	7.8	18.3	16.0	17.1	24.3	15.7	19.7	26.0	23.6	24.7
26	13.5	5.8	9.3	20.6	17.3	18.8	25.2	18.4	21.5	27.8	22.0	24.6
27	14.5	7.5	10.7	18.8	17.0	17.9	25.3	17.0	21.0	25.5	22.7	24.2
28	12.7	8.8	10.6	19.4	15.2	16.9	23.0	17.4	20.1	30.0	21.7	25.6
29	14.4	10.4	11.7	19.3	15.4	17.2	24.3	17.1	20.3	29.3	23.3	25.8
30	---	---	---	19.7	15.1	17.2	22.1	17.2	19.8	29.2	23.5	25.9
31	---	---	---	19.9	13.7	16.7	---	---	---	30.0	20.4	25.1
MONTH	15.2	1.4	8.2	22.5	8.9	14.5	25.9	11.6	18.3	31.1	14.2	23.4

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.7	21.4	25.7	25.6	24.0	24.7	33.8	26.2	29.7	28.8	24.4	26.4
2	28.5	20.8	24.4	27.6	24.5	25.9	34.4	26.9	30.3	29.3	23.7	26.3
3	25.4	19.4	22.4	30.3	26.6	28.2	34.3	27.1	30.4	28.9	23.9	26.3
4	24.3	21.7	22.8	30.9	27.4	28.8	34.1	26.6	30.1	29.1	23.9	26.5
5	26.5	20.8	23.0	30.4	26.0	28.2	31.0	26.9	28.4	30.1	24.7	27.2
6	29.1	22.5	25.3	29.0	26.3	27.8	27.8	23.9	26.1	28.9	24.5	26.6
7	26.6	23.0	24.3	29.0	26.0	27.1	30.4	23.7	26.5	26.7	22.9	24.8
8	25.7	22.1	24.0	30.7	26.3	28.1	27.0	23.5	25.1	26.5	20.8	23.6
9	24.2	22.3	22.9	29.0	25.8	27.7	29.5	24.0	26.4	27.0	20.4	23.6
10	24.9	22.4	23.4	30.4	24.6	27.3	32.5	25.6	28.8	27.4	21.2	24.2
11	29.5	23.4	26.1	32.1	26.8	29.2	29.5	22.1	23.9	28.4	21.9	25.0
12	30.3	25.4	27.7	32.7	26.7	29.6	24.3	21.7	22.9	29.1	23.5	26.1
13	30.3	24.0	27.3	33.8	27.2	30.3	26.8	22.1	24.1	28.6	23.0	25.8
14	33.3	25.5	29.1	33.0	27.6	30.3	26.8	23.2	24.9	27.9	23.3	25.6
15	30.4	25.8	28.1	34.9	28.2	31.2	25.6	22.6	23.5	28.4	23.5	25.8
16	---	---	---	31.6	27.6	29.8	25.9	22.2	23.8	30.0	24.3	27.0
17	---	---	---	31.7	26.9	29.2	28.6	23.3	25.7	29.6	25.2	27.5
18	30.2	25.8	28.3	32.7	25.4	28.8	29.2	24.3	26.7	30.0	25.6	27.6
19	27.6	23.2	25.1	33.5	25.8	29.4	27.2	25.0	25.6	28.1	23.6	25.9
20	26.6	23.2	24.6	33.5	26.9	30.1	25.1	23.1	23.9	26.6	21.4	24.1
21	26.5	22.5	24.4	33.7	26.8	29.9	27.5	21.1	24.1	27.4	21.4	24.1
22	24.9	22.5	23.7	33.0	26.4	29.5	28.2	23.9	26.0	26.0	21.7	23.9
23	25.6	22.3	24.0	33.4	27.0	29.9	29.3	24.8	26.8	23.8	21.7	22.9
24	---	---	---	28.9	25.2	26.6	30.9	25.1	27.8	27.3	21.7	24.1
25	---	---	---	25.2	22.5	23.7	30.3	26.3	28.1	26.6	20.9	23.8
26	29.5	23.9	26.6	29.8	21.9	25.4	31.5	25.5	28.3	26.5	21.5	24.0
27	29.9	24.2	26.8	30.2	22.9	26.4	31.2	25.8	28.4	26.4	20.9	23.6
28	27.8	25.1	26.5	27.1	22.3	24.1	29.5	25.8	27.6	24.5	20.0	22.4
29	26.5	24.7	25.6	23.2	21.9	22.5	29.5	23.9	26.6	26.6	20.4	23.2
30	25.6	24.2	24.7	26.9	22.8	24.3	28.8	24.0	26.3	23.9	20.6	22.4
31	---	---	---	32.1	23.8	27.5	29.5	23.8	26.5	---	---	---
MONTH	33.3	19.4	25.3	34.9	21.9	27.8	34.4	21.1	26.6	30.1	20.0	25.0

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	10.2	8.1	9.0	---	---	---	14.2	12.2	13.2	9.3	7.8	8.4
2	10.1	8.4	9.1	---	---	---	14.7	12.2	13.2	9.5	7.4	8.3
3	10.2	8.0	9.0	---	---	---	15.0	12.7	13.6	9.5	7.4	8.3
4	8.9	7.4	8.1	10.0	6.0	8.1	14.6	12.6	13.6	9.8	7.3	8.6
5	10.3	7.7	8.8	10.9	8.2	9.5	15.7	12.5	14.1	10.2	8.8	9.4
6	10.8	7.9	9.0	11.3	9.6	10.4	15.9	13.6	14.8	10.2	9.1	9.6
7	9.4	7.5	8.4	11.2	9.4	10.5	15.3	13.5	14.2	10.0	9.1	9.4
8	9.5	6.7	7.9	10.4	9.2	9.7	15.6	13.7	14.5	9.9	8.7	9.2
9	7.9	5.1	6.9	10.8	9.3	9.9	---	---	---	10.0	8.6	9.1
10	8.6	5.1	6.9	10.8	8.3	9.7	---	---	---	10.0	8.4	9.1
11	9.2	7.0	7.8	10.1	7.7	8.9	---	---	---	9.9	8.3	9.0
12	9.5	6.4	8.2	10.2	6.9	8.4	---	---	---	9.8	7.7	8.7
13	8.8	7.8	8.2	10.8	8.8	9.8	---	---	---	9.8	7.8	8.6
14	9.7	7.8	8.7	11.2	9.4	10.2	---	---	---	10.1	7.7	8.7
15	9.7	8.1	8.9	10.8	9.5	10	---	---	---	10.2	8.2	8.9
16	9.9	7.9	8.8	11.3	9.0	10.1	---	---	---	9.7	8.1	8.8
17	10.2	7.7	8.9	---	---	---	12.1	10.8	11.7	9.3	7.5	8.6
18	10.1	7.3	8.8	---	---	---	11.6	10.7	11.2	9.9	7.5	8.9
19	9.5	6.6	8.0	---	---	---	11.5	10.9	11.2	10.0	9.3	9.6
20	9.8	7.0	8.2	10.6	7.8	9.9	11.6	10.8	11.2	10.6	9.2	9.8
21	9.8	7.6	8.3	10.3	8.8	9.7	11.7	10.2	11.1	9.6	8.8	9.3
22	10.0	7.4	8.5	9.9	8.5	9.3	10.9	9.8	10.3	10.4	9.1	9.7
23	10.2	7.6	8.7	12.2	8.6	10.9	12.2	10.2	11.2	10.6	8.9	9.6
24	9.8	6.8	7.8	13.5	11.8	12.7	12.3	10.9	11.5	9.4	7.8	8.9
25	10.0	7.6	8.8	13.0	11.5	12.4	11.7	10.3	11.0	9.1	7.6	8.4
26	12.0	9.2	10.5	12.1	10.9	11.7	11.0	8.8	10.2	10.0	8.0	9.1
27	10.9	9.4	10.1	13.2	10.8	12.0	9.7	8.0	8.9	10.9	10.0	10.4
28	11.3	9.1	9.9	13.8	12.5	13.2	10.1	8.2	9.0	10.5	9.4	10.0
29	11.3	9.0	10.1	14.3	12.5	13.5	10.0	8.6	9.2	10.1	9.5	9.7
30	11.1	8.0	9.4	14.2	11.3	13.2	9.9	8.7	9.2	10.3	9.2	9.8
31	10.8	8.0	9.0	---	---	---	9.7	8.3	8.9	9.9	9.0	9.6
MONTH	12.0	5.1	8.7	14.3	6.0	10.6	15.9	8.0	11.6	10.9	7.3	9.1
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	11.2	8.5	9.5	7.0	5.4	6.1	11.4	6.6	8.9
2	---	---	---	10.3	8.5	9.2	7.4	5.8	6.4	9.9	7.3	8.6
3	9.8	9.0	9.4	10.1	8.8	9.3	---	---	---	10.2	7.5	8.5
4	9.3	8.5	9.0	9.2	7.9	8.4	---	---	---	10.7	7.0	8.6
5	9.3	8.8	9.1	9.0	7.6	8.5	---	---	---	10.4	6.5	8.5
6	9.9	8.6	9.2	---	---	---	---	---	---	11.2	6.2	8.6
7	9.6	8.6	9.1	---	---	---	---	---	---	10.2	6.4	8.2
8	9.7	7.9	9.0	---	---	---	10.1	8.2	9.0	10.9	6.6	8.3
9	9.4	8.5	8.9	8.5	7.9	8.3	9.8	8.2	8.9	10.4	6.0	8.0
10	10.9	7.6	8.8	9.2	8.2	8.7	9.3	8.2	8.7	10.2	6.3	8.0
11	9.8	7.6	8.8	8.3	8.0	8.1	9.4	8.4	9.0	10.3	6.0	7.5
12	10.5	6.8	9.1	8.3	8.0	8.2	9.2	8.6	8.9	9.0	5.5	7.0
13	10.5	7.5	8.7	8.7	8.1	8.4	9.0	8.0	8.7	9.4	5.4	6.7
14	10.9	8.6	9.4	8.7	8.1	8.4	8.5	7.3	8.0	7.3	4.4	6.3
15	11.2	8.7	9.9	8.3	8.1	8.2	7.9	6.4	7.4	9.6	7.2	8.2
16	11.5	8.3	9.9	8.7	8.0	8.4	8.3	6.2	7.2	10.3	6.8	8.1
17	11.9	8.0	9.5	8.3	7.3	7.9	9.3	6.4	7.5	9.9	6.4	7.9
18	10.0	8.0	9.2	7.8	7.0	7.5	8.3	6.3	7.1	9.7	5.4	7.3
19	9.5	7.1	8.3	8.0	7.0	7.4	8.1	6.4	7.1	7.5	5.2	6.6
20	9.9	6.9	8.3	8.7	7.0	7.8	7.8	6.3	7.0	8.8	5.3	7.0
21	10.0	7.4	8.6	11.3	7.5	9.0	9.8	7.1	8.4	8.7	5.6	7.1
22	9.9	7.4	8.4	9.4	8.0	8.6	10.2	7.0	8.4	8.9	5.7	7.0
23	9.6	7.0	8.4	9.2	7.9	8.7	9.6	6.9	8.1	8.7	4.0	6.5
24	9.9	8.2	9.1	8.4	7.5	8.0	9.7	8.2	8.8	7.7	4.0	5.9
25	10.3	8.2	9.3	8.0	6.9	7.5	10.1	8.1	9.0	7.6	4.4	6.1
26	10.2	8.1	9.1	7.9	6.7	7.2	10.4	7.9	9.1	7.8	5.2	6.2
27	10.3	8.3	9.2	7.8	6.6	7.1	10.7	7.7	9.1	7.8	5.1	6.2
28	10.7	8.2	9.2	7.5	5.2	6.8	10.5	7.7	8.8	9.3	5.2	6.8
29	10.0	7.9	9.0	6.8	6.3	6.6	9.9	7.1	8.5	7.4	3.5	5.7
30	---	---	---	7.3	6.5	6.9	10.8	7.3	8.6	8.3	4.5	6.1
31	---	---	---	7.1	5.7	6.5	---	---	---	5.7	4.3	5.0
MONTH	11.9	6.8	9.0	11.3	5.2	8.0	10.8	5.4	8.2	11.4	3.5	7.3

07241550 NORTH CANADIAN RIVER NEAR HARRAH, OK—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.8	3.6	5.4	8.0	6.7	7.3	---	---	---	---	---	---
2	8.9	3.8	6.8	8.4	6.6	7.4	---	---	---	---	---	---
3	7.3	4.6	6.3	9.2	7.1	7.8	---	---	---	---	---	---
4	8.5	6.2	7.3	8.3	6.6	7.4	---	---	---	---	---	---
5	12.0	8.0	10.2	9.3	6.5	7.8	10.4	4.4	6.8	---	---	---
6	11.3	8.5	10.2	9.5	6.6	7.8	9.0	5.3	7.0	---	---	---
7	10.0	7.9	8.9	8.0	5.4	6.7	8.0	5.4	6.5	---	---	---
8	8.7	6.7	7.9	7.6	5.5	6.4	8.5	5.1	6.6	9.2	6.4	7.5
9	6.7	5.5	6.3	8.3	6.1	7.2	8.6	5.3	6.8	7.8	6.2	6.9
10	---	---	---	11.0	6.6	8.4	9.7	6.1	7.5	7.6	6.0	6.7
11	---	---	---	10.7	6.1	7.9	7.2	4.2	5.8	7.2	5.5	6.3
12	---	---	---	8.8	4.6	6.7	6.4	5.1	5.9	7.1	5.3	6.0
13	---	---	---	8.1	4.3	5.8	7.0	6.3	6.6	7.0	5.3	6.0
14	---	---	---	8.1	4.5	5.9	8.1	6.3	7.2	6.7	4.9	5.6
15	---	---	---	9.1	4.4	6.2	9.7	6.9	7.9	6.4	4.6	5.4
16	---	---	---	10.2	4.8	6.6	---	---	---	---	---	---
17	---	---	---	8.1	3.5	5.5	---	---	---	---	---	---
18	13.2	5.4	8.6	---	---	---	---	---	---	---	---	---
19	11.0	5.7	7.5	---	---	---	12.3	6.5	8.7	---	---	---
20	7.7	5.3	6.6	---	---	---	12.0	6.5	8.6	---	---	---
21	7.5	5.0	6.4	---	---	---	9.7	6.4	7.8	10.2	6.5	7.8
22	6.7	5.6	6.3	---	---	---	10.2	6.1	7.7	9.7	5.9	7.3
23	8.1	6.5	7.4	---	---	---	10.2	5.6	7.4	8.6	5.6	6.8
24	9.9	8.1	9.0	---	---	---	9.9	5.1	6.9	8.0	5.3	6.5
25	11.1	7.7	9.2	---	---	---	10.8	4.3	7.1	---	---	---
26	10.5	6.7	8.2	---	---	---	10.0	4.4	6.7	---	---	---
27	13.4	6.6	9.3	---	---	---	8.8	3.4	5.5	---	---	---
28	11.6	6.1	8.4	---	---	---	---	---	---	---	---	---
29	9.3	6.7	7.8	---	---	---	---	---	---	---	---	---
30	8.9	7.0	7.8	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	13.4	3.6	7.8	11.0	3.5	7.0	12.3	3.4	7.0	10.2	4.6	6.6

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK

LOCATION.--Lat 35°19'59", long 96°52'09", in SE 1/4 SW 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 sea level (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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

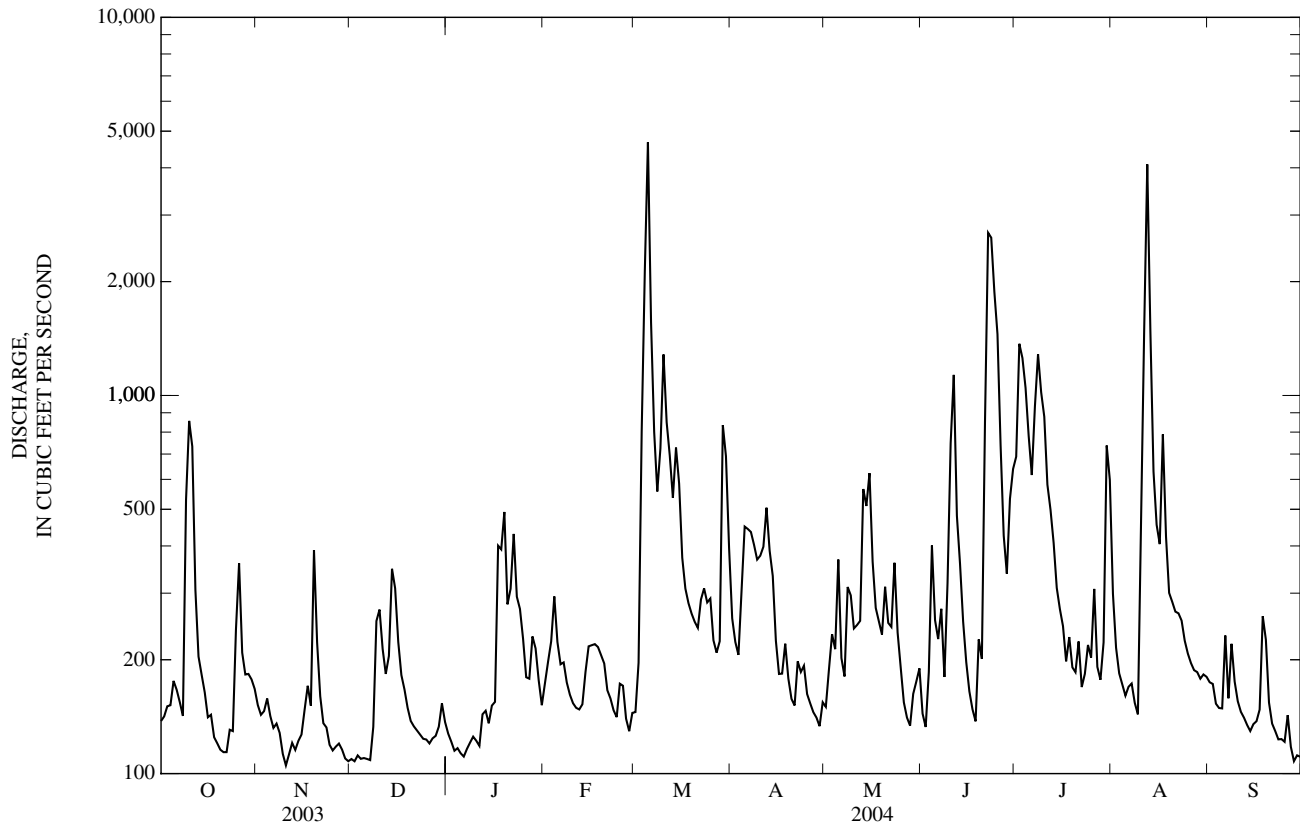
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	152	109	128	173	145	257	150	144	689	299	174
2	142	143	108	121	198	196	223	188	133	1,370	215	173
3	151	146	112	115	224	804	206	234	186	1,260	184	153
4	152	158	109	117	294	2,130	305	213	401	1,050	172	149
5	176	142	110	113	223	4,670	450	368	255	782	161	149
6	167	132	109	111	195	1,560	443	202	227	616	170	232
7	154	136	109	116	197	801	435	181	273	936	173	158
8	142	128	133	121	174	557	403	312	180	1,290	154	220
9	530	113	253	125	162	724	368	296	319	1,020	143	175
10	857	105	271	122	153	1,280	377	242	747	879	452	155
11	733	112	214	118	149	850	398	247	1,130	581	1,470	146
12	306	121	183	143	148	693	505	253	481	498	4,090	141
13	204	116	205	147	152	536	389	566	359	407	1,480	134
14	183	122	348	136	186	728	333	510	252	310	630	130
15	164	127	309	151	217	584	225	623	197	272	455	135
16	141	148	223	155	219	372	183	364	165	245	404	138
17	143	171	182	401	220	309	184	274	148	198	789	148
18	125	151	167	392	216	282	221	253	137	230	424	261
19	120	390	149	492	206	265	178	233	226	191	301	226
20	116	222	138	280	196	252	158	312	201	185	284	154
21	114	160	133	308	166	243	151	250	845	224	268	136
22	114	136	130	430	158	289	198	244	2,690	169	265	130
23	131	132	127	294	147	309	186	361	2,610	184	254	123
24	130	119	124	273	141	284	193	236	1,880	219	225	123
25	241	115	123	227	173	290	162	191	1,450	203	208	121
26	360	118	120	180	171	225	153	154	737	308	196	143
27	209	120	124	178	140	209	145	141	426	192	188	118
28	183	116	126	230	129	224	141	134	338	177	186	108
29	183	110	133	214	145	835	133	163	533	222	178	112
30	177	108	153	176	---	690	154	175	639	737	183	111
31	167	---	137	152	---	395	---	190	---	598	180	---
TOTAL	6,853	4,269	4,971	6,266	5,272	21,731	7,857	8,260	18,309	16,242	14,781	4,576
MEAN	221	142	160	202	182	701	262	266	610	524	477	153
MAX	857	390	348	492	294	4,670	505	623	2,690	1,370	4,090	261
MIN	114	105	108	111	129	145	133	134	133	169	143	108
AC-FT	13,590	8,470	9,860	12,430	10,460	43,100	15,580	16,380	36,320	32,220	29,320	9,080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	301	174	262	266	329	663	542	433	565	291	232	354
MAX	398	211	404	358	456	1,044	787	987	1,010	524	477	784
(WY)	(2002)	(2003)	(2003)	(2003)	(2002)	(2001)	(2001)	(2001)	(2001)	(2004)	(2004)	(2001)
MIN	221	142	160	202	182	355	262	214	281	106	114	153
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2003)	(2002)	(2003)	(2003)	(2004)

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	98,844		119,387		311	
ANNUAL MEAN	271		326		302	
HIGHEST ANNUAL MEAN					326	
LOWEST ANNUAL MEAN					302	
HIGHEST DAILY MEAN	1,600	Mar 18	4,670	Mar 5	6,740	May 31, 2001
LOWEST DAILY MEAN	70	Aug 27	105	Nov 10	70	Aug 27, 2003
ANNUAL SEVEN-DAY MINIMUM	75	Aug 21	109	Nov 30	75	Aug 21, 2003
MAXIMUM PEAK FLOW			6,400	Mar 5	8,130	May 30, 2001
MAXIMUM PEAK STAGE			16.61	Mar 5	17.66	May 30, 2001
ANNUAL RUNOFF (AC-FT)	196,100		236,800		225,100	
10 PERCENT EXCEEDS	512		654		567	
50 PERCENT EXCEEDS	204		190		211	
90 PERCENT EXCEEDS	101		121		119	



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 sea level. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e165	e209	e135	e195	358	e140	777	e350	e201	662	385	e270
2	182	e180	e137	e170	425	232	565	e320	232	942	857	e260
3	e180	e180	e136	e165	628	798	343	e305	e260	1,000	654	e240
4	e190	e178	e138	e160	577	9,460	e270	e290	e250	1,380	430	e231
5	e200	e177	e136	e150	452	7,090	e240	295	e300	1,580	296	e280
6	e185	e160	e133	e149	441	5,930	e220	384	e365	1,220	e250	e270
7	193	e150	e135	e150	461	3,090	324	385	487	1,450	e240	e298
8	e200	e140	135	e152	391	1,700	419	487	355	942	e235	e242
9	e250	e128	e132	e147	341	1,050	444	350	358	1,120	e229	e289
10	e280	e125	e175	e140	326	742	602	e310	469	1,810	e225	e235
11	280	e130	e225	e150	303	661	766	425	604	2,110	e221	e218
12	808	e131	e300	e160	e220	1,280	567	448	874	1,390	1,100	e200
13	941	e135	357	e160	e210	926	469	436	1,260	1,050	3,880	e175
14	861	e150	330	e170	e220	882	494	413	954	869	2,670	e170
15	500	e165	e185	e185	e230	604	513	1,440	644	756	1,600	e165
16	384	e180	e255	e270	e231	719	425	1,110	501	598	1,180	e160
17	282	e190	413	310	e232	736	347	868	380	488	894	e154
18	e190	e175	400	682	e230	526	e250	816	e200	423	765	e159
19	e165	e165	340	956	e221	401	e220	580	e170	376	789	e170
20	e159	e200	e180	770	e205	339	e200	468	e150	e330	949	e280
21	e158	e273	e160	703	e199	280	e550	411	510	e320	725	178
22	e157	400	e160	616	e170	e265	2,020	320	1,620	e300	596	e161
23	e156	354	e155	495	e160	e250	2,560	350	5,340	e300	518	e148
24	e150	e149	e149	511	e155	e275	2,060	310	3,560	e293	471	e140
25	e146	e150	e150	818	e195	e288	1,480	260	2,520	e300	446	e140
26	e175	e145	e160	821	e190	e260	969	463	2,170	e290	400	e165
27	e240	e139	e160	593	e170	e240	674	e310	1,820	e289	e380	e150
28	301	e138	e160	448	e152	e230	493	e275	1,350	e288	e340	e130
29	409	e140	e170	367	e142	e220	414	e240	943	451	e318	e127
30	e230	e140	e170	336	---	e219	384	e215	748	456	e298	e120
31	e215	---	e180	356	---	e310	---	e200	---	400	e285	---
TOTAL	8,932	5,276	6,151	11,455	8,235	40,143	20,059	13,834	29,595	24,183	22,626	5,925
MEAN	288	176	198	370	284	1,295	669	446	986	780	730	198
MAX	941	400	413	956	628	9,460	2,560	1,440	5,340	2,110	3,880	298
MIN	146	125	132	140	142	140	200	200	150	288	221	120
AC-FT	17,720	10,460	12,200	22,720	16,330	79,620	39,790	27,440	58,700	47,970	44,880	11,750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

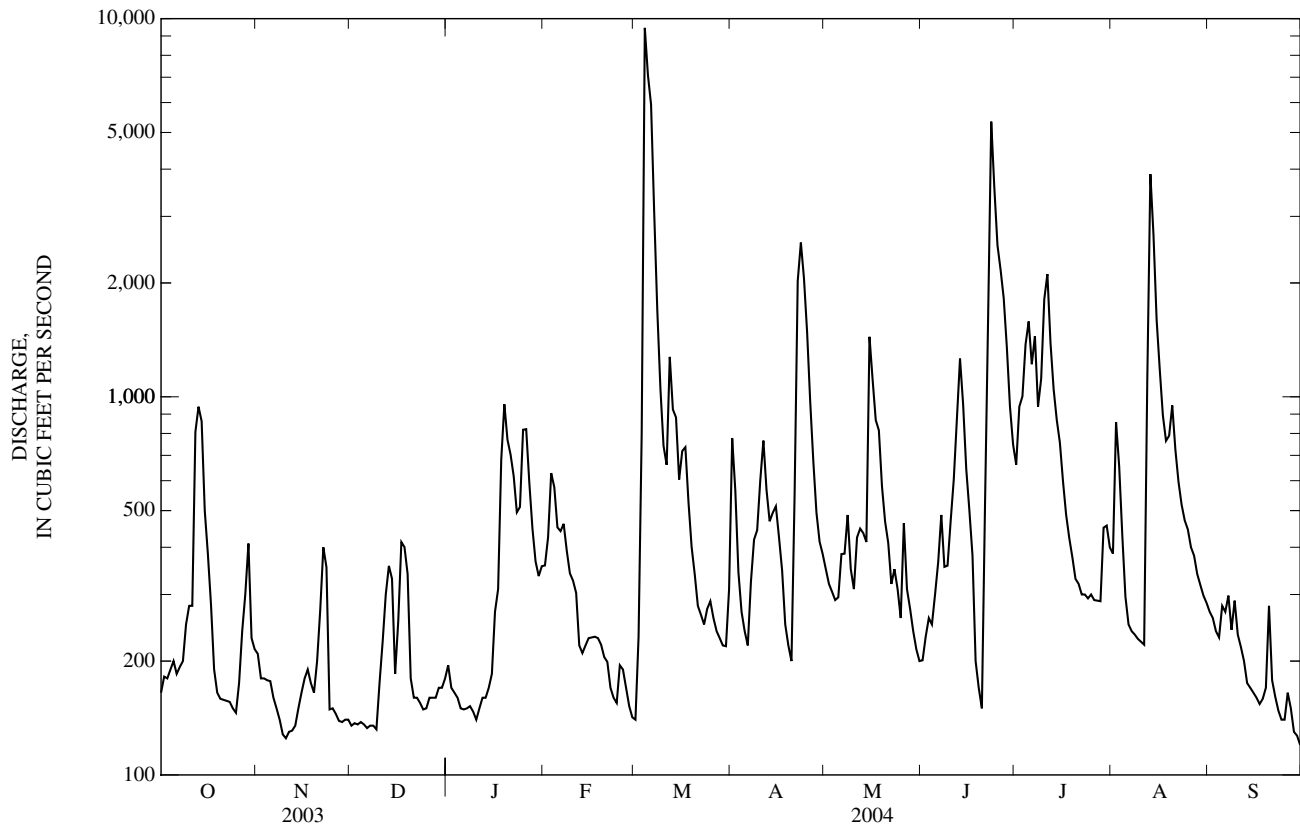
MEAN	691	652	500	469	635	900	1,166	1,696	1,551	674	381	476
MAX	4,914	4,580	3,225	2,825	3,037	5,684	6,643	6,989	6,081	3,230	2,667	3,894
(WY)	(1987)	(1942)	(1993)	(1998)	(1985)	(1990)	(1945)	(1993)	(1957)	(1951)	(1950)	(1950)
MIN	4.25	16.7	43.8	44.3	56.6	43.5	72.8	85.3	73.4	42.5	8.71	0.00
(WY)	(1957)	(1955)	(1955)	(1940)	(1957)	(1940)	(1955)	(1940)	(1953)	(1954)	(1956)	(1954)

e Estimated

07242000 NORTH CANADIAN RIVER NEAR WETUMKA, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	140,758		196,414		816	
ANNUAL MEAN	386		537		2,229	
HIGHEST ANNUAL MEAN					156	
LOWEST ANNUAL MEAN					55,800	
HIGHEST DAILY MEAN	1,920	Sep 1	9,460	Mar 4	Apr 15, 1945	
LOWEST DAILY MEAN	96	Aug 28	120	Sep 30	Aug 27, 1954	
ANNUAL SEVEN-DAY MINIMUM	104	Aug 24	134	Nov 7	Aug 27, 1954	
MAXIMUM PEAK FLOW			10,100	Mar 4	Apr 15, 1945	
MAXIMUM PEAK STAGE			12.38	Mar 4	26.40	
ANNUAL RUNOFF (AC-FT)	279,200		389,600		590,900	
10 PERCENT EXCEEDS	767		978		1,830	
50 PERCENT EXCEEDS	298		296		318	
90 PERCENT EXCEEDS	131		150		72	

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 sea level.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	24	23	27	45	64	56	329	17	e166	96	22
2	21	27	24	28	90	166	82	235	15	e128	93	23
3	18	28	24	26	57	843	127	224	37	e105	90	21
4	17	25	24	24	49	5,060	127	218	24	e91	90	21
5	18	23	23	23	56	1,600	126	79	24	e81	38	21
6	19	31	27	e22	53	672	123	31	23	e133	20	26
7	18	24	25	e26	47	488	59	29	19	e263	18	22
8	17	24	27	25	44	338	60	28	91	e245	20	19
9	3,730	25	27	25	43	460	48	27	200	44	20	19
10	600	25	26	23	154	396	81	26	300	37	18	18
11	183	25	25	24	175	358	98	26	233	32	1,580	18
12	96	24	27	25	167	322	64	27	214	29	574	17
13	66	22	37	31	55	195	53	59	204	27	875	17
14	54	28	35	29	40	185	48	61	199	25	760	17
15	42	31	36	25	40	174	46	34	180	24	732	17
16	175	27	30	28	38	165	42	30	31	23	732	57
17	183	32	27	262	36	159	44	27	17	22	694	30
18	181	54	25	157	35	149	39	26	23	21	686	19
19	178	33	24	68	36	146	39	25	46	21	697	19
20	174	27	25	50	35	144	38	24	93	20	629	18
21	164	24	27	178	33	137	38	23	370	19	415	17
22	42	24	26	178	35	139	90	22	2,090	18	416	16
23	28	22	26	181	36	139	52	22	1,020	17	379	16
24	25	20	30	178	37	146	50	22	1,220	220	112	18
25	21	23	29	199	35	67	45	22	953	69	92	17
26	22	23	26	181	33	54	39	23	550	37	77	17
27	24	22	27	62	33	52	35	22	475	28	44	17
28	22	21	75	41	33	183	33	25	459	31	28	16
29	23	22	33	48	45	122	35	19	392	70	23	15
30	23	23	28	41	---	78	221	26	e181	50	22	16
31	21	---	27	38	---	63	---	25	---	96	21	---
TOTAL	6,229	783	895	2,273	1,615	13,264	2,038	1,816	9,700	2,192	10,091	606
MEAN	201	26.1	28.9	73.3	55.7	428	67.9	58.6	323	70.7	326	20.2
MAX	3,730	54	75	262	175	5,060	221	329	2,090	263	1,580	57
MIN	17	20	23	22	33	52	33	19	15	17	18	15
AC-FT	12,360	1,550	1,780	4,510	3,200	26,310	4,040	3,600	19,240	4,350	20,020	1,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	151	184	169	158	171	362	404	544	508	177	144	211
MEAN	591	539	683	699	516	1,249	1,435	2,494	2,978	738	630	1,527
MAX	(1998)	(1997)	(1993)	(1998)	(1993)	(1998)	(1990)	(1993)	(1995)	(1995)	(1989)	(1989)
(WY)	25.8	26.1	28.9	36.7	47.0	59.3	67.9	56.3	70.5	18.0	16.5	11.7
MIN	(2000)	(2004)	(2004)	(2000)	(1996)	(1991)	(2004)	(1996)	(1988)	(2003)	(2003)	(2000)
(WY)												

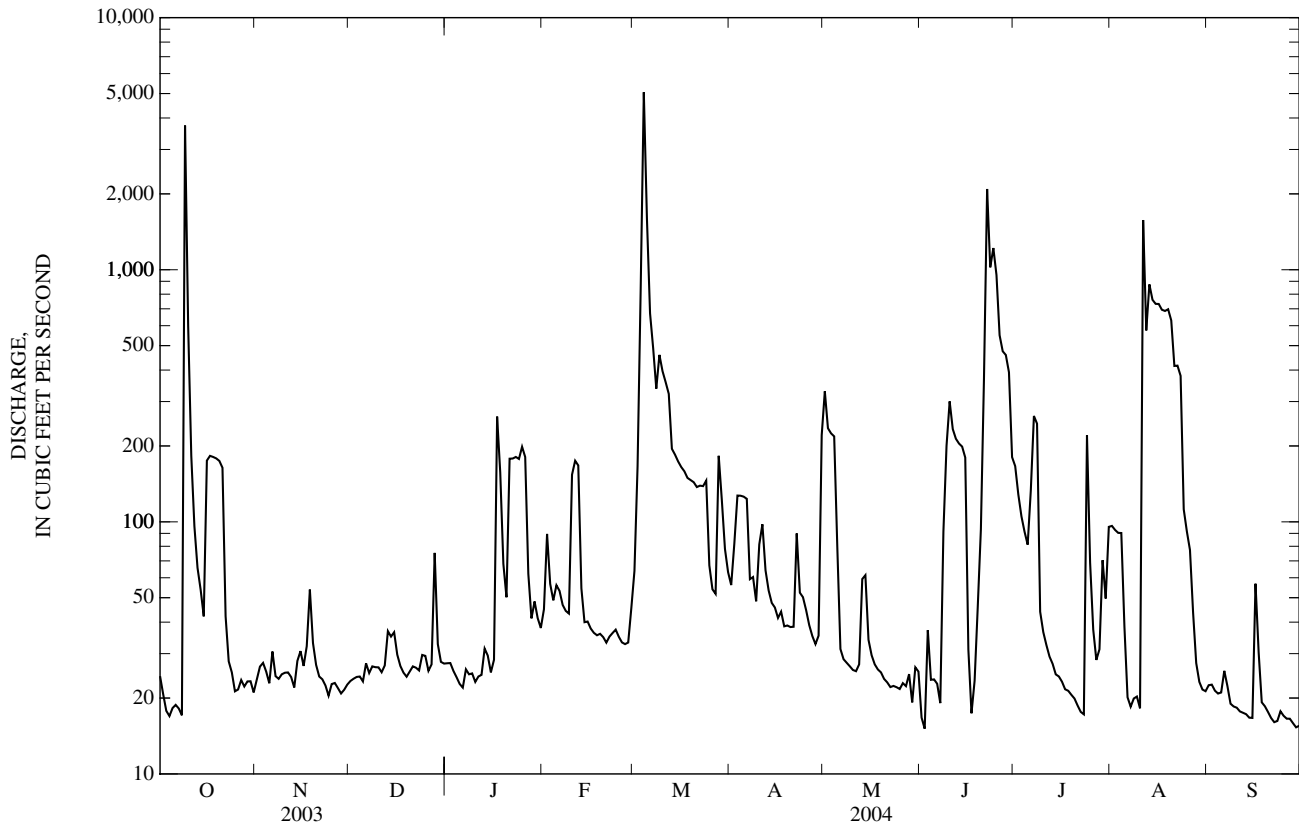
e Estimated

07242380 DEEP FORK NEAR WARWICK, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	29,802		51,502		265	
ANNUAL MEAN	81.6		141		574	
HIGHEST ANNUAL MEAN					77.0	
LOWEST ANNUAL MEAN					19,000	
HIGHEST DAILY MEAN	3,730	Oct 9	5,060	Mar 4	19,000	May 9, 1993
LOWEST DAILY MEAN	13	Jul 22	15	Jun 2, Sep 29	a3.9	Dec 13, 1987
ANNUAL SEVEN-DAY MINIMUM	13	Jul 22	17	Sep 23	8.2	Sep 15, 1997
MAXIMUM PEAK FLOW			12,000	Mar 4	34,600	Jun 9, 1995
MAXIMUM PEAK STAGE			16.85	Mar 4	b21.28	Jun 9, 1995
ANNUAL RUNOFF (AC-FT)	59,110		102,200		192,200	
10 PERCENT EXCEEDS	183		274		600	
50 PERCENT EXCEEDS	37		35		75	
90 PERCENT EXCEEDS	14		19		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 ¼ SW ¼ 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 sea level. 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 fair. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	44	51	112	212	139	508	296	112	510	148	45
2	26	46	50	111	455	187	362	422	111	483	148	37
3	26	46	51	92	1,190	1,290	291	538	92	383	113	32
4	27	52	57	83	938	6,350	249	576	109	351	119	29
5	33	52	52	77	656	7,450	224	444	116	289	121	27
6	42	48	52	72	513	7,730	235	375	94	230	114	28
7	39	48	53	66	461	6,800	248	340	88	207	110	27
8	34	49	55	61	373	6,660	280	272	104	252	105	29
9	1,930	47	66	61	301	7,860	310	197	107	277	80	27
10	3,840	44	72	56	265	7,520	339	156	117	412	55	27
11	3,110	47	72	53	237	5,730	593	135	453	837	42	28
12	2,540	51	77	58	216	2,460	572	125	958	711	33	28
13	2,390	52	90	69	208	1,300	447	121	723	388	139	26
14	1,350	56	95	75	240	1,020	355	127	436	241	775	23
15	567	60	102	82	241	821	277	149	332	175	621	21
16	344	69	103	94	219	649	231	234	287	137	612	25
17	240	78	104	432	170	569	198	289	258	108	558	22
18	180	91	102	1,980	149	512	178	207	238	88	535	20
19	151	129	93	1,930	143	471	170	158	180	78	514	19
20	188	114	85	1,430	148	437	175	132	124	61	488	18
21	187	95	76	679	141	406	2,510	115	145	54	477	25
22	178	90	69	395	134	366	3,720	99	486	47	474	36
23	170	103	70	287	133	338	3,260	88	1,920	42	428	27
24	161	87	67	262	123	319	2,190	95	1,890	42	347	22
25	142	75	68	639	116	303	1,740	382	1,980	45	318	19
26	100	71	69	1,840	119	301	1,170	215	2,120	48	285	17
27	70	66	70	1,080	121	307	790	153	1,840	83	178	16
28	61	61	87	651	122	401	578	123	1,090	158	116	e15
29	52	56	120	449	127	894	421	103	687	121	103	e15
30	47	53	152	338	---	811	336	91	576	116	86	e15
31	44	---	127	249	---	752	---	82	---	139	61	---
TOTAL	18,300	1,980	2,457	13,863	8,471	71,153	22,957	6,839	17,773	7,113	8,303	745
MEAN	590	66.0	79.3	447	292	2,295	765	221	592	229	268	24.8
MAX	3,840	129	152	1,980	1,190	7,860	3,720	576	2,120	837	775	45
MIN	26	44	50	53	116	139	170	82	88	42	33	15
AC-FT	36,300	3,930	4,870	27,500	16,800	141,100	45,540	13,570	35,250	14,110	16,470	1,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

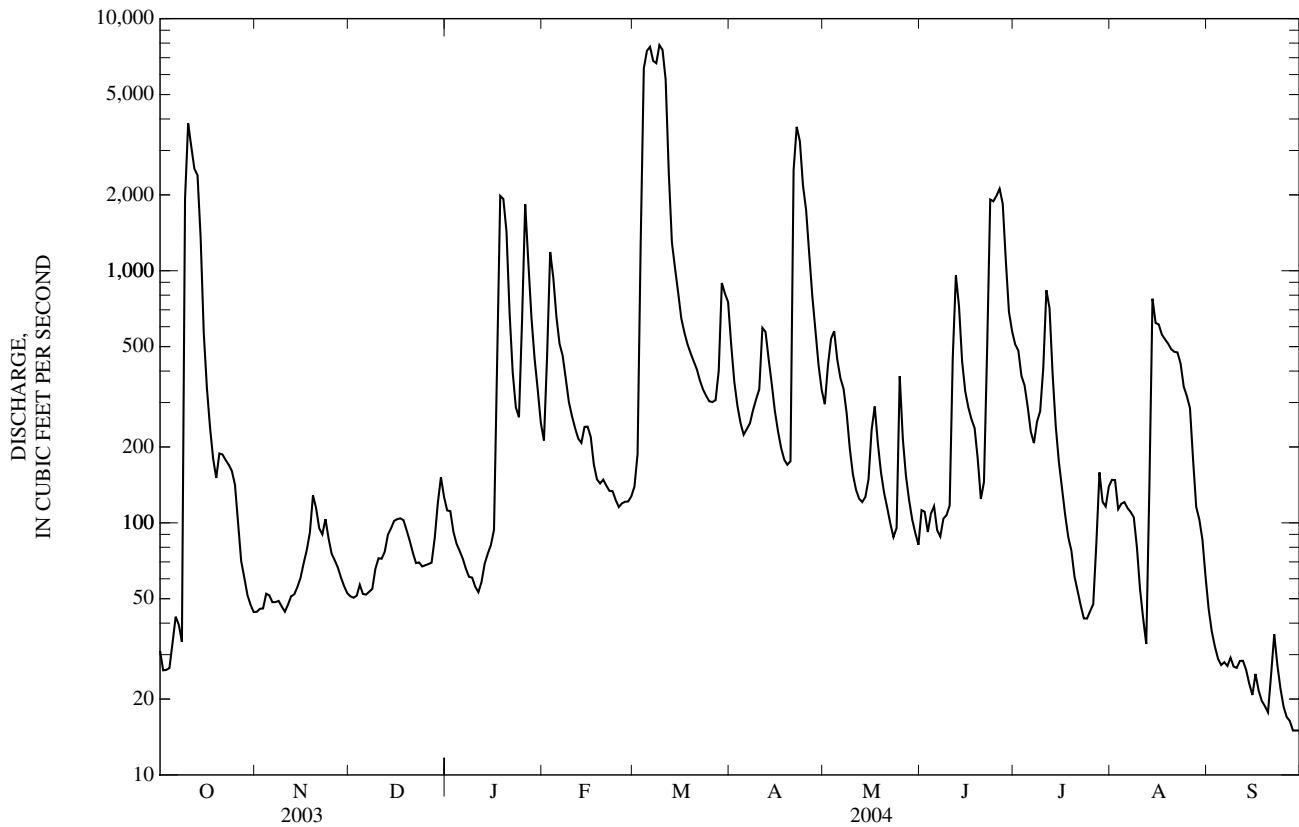
MEAN	714	767	546	446	705	1,236	1,531	2,278	1,869	590	242	359
MAX	5,464	8,391	4,797	3,749	4,388	8,895	9,520	12,470	8,994	3,950	2,416	1,947
(WY)	(1942)	(1975)	(1993)	(1985)	(1985)	(1990)	(1945)	(1943)	(1974)	(1950)	(1992)	(1989)
MIN	0.00	0.00	0.51	7.74	20.3	9.65	37.0	120	59.0	5.67	3.31	0.00
(WY)	(1955)	(1955)	(1955)	(1940)	(1957)	(1940)	(1955)	(1996)	(1953)	(1954)	(1954)	(1956)

e Estimated

07243500 DEEP FORK NEAR BEGGS, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	95,197.8		179,954		940	
ANNUAL MEAN	261		492		114	
HIGHEST ANNUAL MEAN					2,645	
LOWEST ANNUAL MEAN					114	
HIGHEST DAILY MEAN	3,840	Oct 10	7,860	Mar 9	55,600	May 11, 1943
LOWEST DAILY MEAN	4.6	Aug 29	15	Sep 28,29,30	a0.00	Sep 20, 1939
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 23	17	Sep 24	0.00	Sep 29, 1939
MAXIMUM PEAK FLOW			8,090	Mar 9	66,800	May 11, 1943
MAXIMUM PEAK STAGE			19.77	Mar 9	34.55	May 11, 1943
ANNUAL RUNOFF (AC-FT)	188,800		356,900		680,800	
10 PERCENT EXCEEDS	589		977		2,610	
50 PERCENT EXCEEDS	104		140		174	
90 PERCENT EXCEEDS	30		38		21	

a At times in 1939, 1954, 1956.



07244100 COAL CREEK NEAR HENRYETTA, OK

LOCATION.--Lat 35°27'10", long 95°57'20", in NE ¼ SW ¼ sec.5, T.11 N., R.13 E., Okmulgee County, Hydrologic Unit 11100303, at downstream right abutment of abandoned railroad bridge at edge of Dewar, .4 mi downstream from an unnamed tributary, 2 mi northeast of Henryetta, and at mile 12.1.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--22.3 mi².

PERIOD OF RECORD.--March 1996 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 621.01 ft above sea level.

REMARKS.--Records poor. Low flows regulated by releases of effluent from the City of Henryetta treatment plant .5 mi upstream. U.S. Geological Survey satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.3	e1.7	1.2	e1.9	e7.2	14	e3.5	7.4	e1.3	13	4.7	e0.86
2	e1.4	e1.1	1.1	e2.0	e15	5.7	e3.5	8.9	1.3	8.0	3.9	e0.82
3	e1.3	e1.2	1.2	e1.9	e8.0	74	e3.4	e5.0	e6.0	5.2	2.8	e0.78
4	e1.4	e1.2	e1.3	e3.0	e7.2	108	e3.2	e3.9	e1.3	2.4	2.4	e0.72
5	e9.8	e1.1	e1.3	e2.0	e9.0	73	e3.2	e3.0	e5.0	e1.3	1.6	e0.72
6	e2.4	e1.2	e1.2	e2.0	e6.8	29	e3.0	e2.4	e1.4	e1.3	0.83	53
7	e2.2	e1.2	e1.3	e2.1	e2.6	17	e3.0	e2.1	e1.3	e1.3	0.62	e20
8	e1.9	e1.2	e1.3	e2.0	e2.7	6.3	e2.9	e2.1	e1.4	e1.4	0.82	e8.6
9	e15	e1.3	e1.6	e2.1	e2.6	7.2	e3.5	e2.0	e11	e11	0.97	e3.6
10	e4.0	e1.1	e1.8	e2.0	e2.6	9.0	e4.9	e2.0	e9.2	e9.2	0.65	e1.0
11	e1.8	e1.2	e1.5	e2.0	e2.5	e8.0	e3.9	e1.9	e3.2	e3.2	22	e0.82
12	e1.3	e1.2	e1.9	e10	e2.4	e7.6	e3.7	e1.9	e1.2	e1.2	19	e0.78
13	e1.2	e1.3	e1.6	e11	e2.4	e5.8	e3.6	e1.9	e1.1	e1.1	9.3	e0.74
14	e1.3	e2.0	e1.5	e6.0	e2.5	e4.8	e3.5	e1.8	e1.5	e1.1	5.4	e0.74
15	e1.2	e6.2	e1.5	e3.0	e2.5	e4.3	e3.6	e1.8	e1.4	e1.1	e2.0	e0.78
16	e1.3	e3.5	e1.6	e9.5	e2.6	e4.1	e3.5	e1.8	e1.4	e1.0	e1.6	e1.2
17	e1.2	e8.0	e1.6	e26	e2.6	e4.0	e3.4	e1.7	e1.4	e1.0	e1.2	e0.95
18	e1.3	e1.3	e1.5	e2.3	e2.8	e3.7	e3.2	e1.6	e1.3	e1.2	e1.0	e0.93
19	e1.2	e1.2	e1.5	e2.2	e2.9	e3.9	e3.1	e1.6	19	e1.0	e2.2	e0.90
20	e1.3	e1.2	e1.6	e2.2	e2.7	e4.3	e3.0	e1.5	28	e0.98	e1.6	e0.86
21	e1.2	e1.3	e1.5	e2.3	e2.7	e4.0	290	e1.5	34	e1.0	e1.2	e0.88
22	e1.3	e1.2	e1.4	e2.3	e2.9	e4.0	704	e1.5	560	e1.0	e0.95	e0.92
23	e1.2	e2.8	e1.4	e2.3	e8.8	e3.8	315	e1.6	51	e1.0	e0.92	e0.89
24	e1.2	e1.2	e1.5	e2.3	e5.7	e3.9	483	e1.6	23	16	e0.93	1.4
25	e1.3	e1.2	e1.6	e8.6	e3.5	e4.0	63	e1.6	12	11	e0.92	11
26	e1.2	e1.2	e1.9	e5.0	e3.2	e3.9	27	e1.6	e1.4	6.8	e0.90	e3.0
27	e1.3	e1.2	e12	e3.0	e3.1	e3.9	14	e1.4	e1.3	3.9	e0.93	e0.90
28	e1.2	e1.2	e4.1	e2.6	e3.0	e3.8	8.7	e1.4	e1.3	3.2	e0.93	e0.86
29	e1.2	e1.2	e1.9	e2.5	e6.0	e4.3	5.4	e1.4	e1.4	14	e0.90	e0.88
30	e1.3	e1.2	e1.9	e2.5	---	e4.0	4.2	e1.3	6.3	14	e0.86	e0.90
31	e1.2	---	e1.9	e2.5	---	e3.8	---	e1.3	---	8.2	e0.90	---
TOTAL	67.4	53.1	60.2	131.1	128.5	437.1	1,982.9	72.5	790.4	147.08	94.93	120.43
MEAN	2.17	1.77	1.94	4.23	4.43	14.1	66.1	2.34	26.3	4.74	3.06	4.01
MAX	15	8.0	12	26	15	108	704	8.9	560	16	22	53
MIN	1.2	1.1	1.1	1.9	2.4	3.7	2.9	1.3	1.1	0.98	0.62	0.72
AC-FT	134	105	119	260	255	867	3,930	144	1,570	292	188	239

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

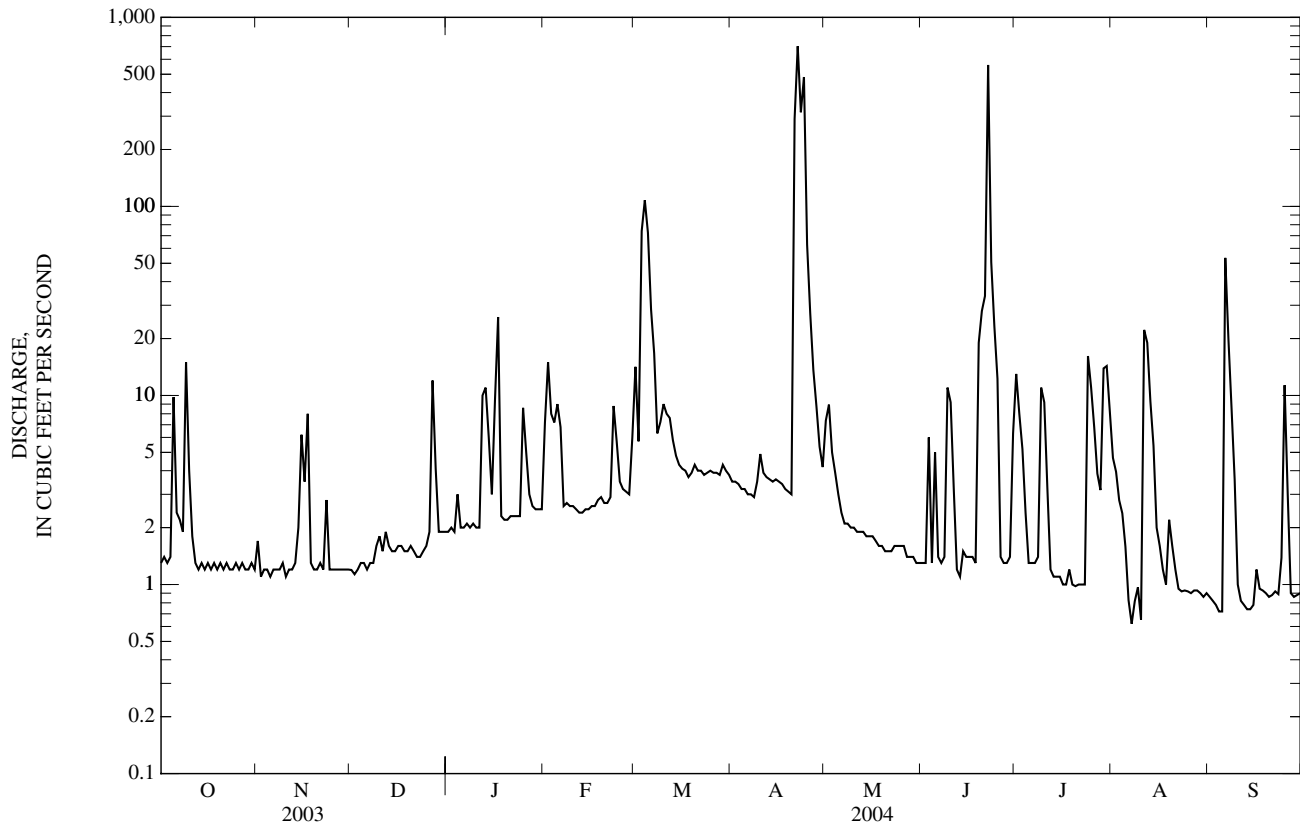
	MEAN	13.9	17.9	19.9	30.1	35.3	30.4	31.5	28.0	16.7	5.22	5.17	7.51
MAX	50.0	56.1	64.7	105	137	65.1	91.0	91.7	34.4	16.0	20.8	20.8	32.0
(WY)	(1999)	(2001)	(1998)	(1998)	(2001)	(1998)	(1999)	(2001)	(1999)	(1996)	(2003)	(1996)	(1996)
MIN	0.97	1.72	1.94	2.64	4.43	12.7	4.07	2.34	2.96	1.29	0.78	0.78	0.87
(WY)	(2000)	(2003)	(2004)	(2003)	(2004)	(1997)	(2003)	(2004)	(2003)	(2003)	(2000)	(2000)	(2000)

e Estimated

07244100 COAL CREEK NEAR HENRYETTA, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	3,003.54		4,085.64		20.2	
ANNUAL MEAN	8.23		11.2		37.3	
HIGHEST ANNUAL MEAN					8.51	
LOWEST ANNUAL MEAN					2,010	
HIGHEST DAILY MEAN	541	Aug 3	704	Apr 22	2,010	May 30, 2001
LOWEST DAILY MEAN	0.38	Aug 29	0.62	Aug 7	a0.18	Jul 17, 2000
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 23	0.81	Aug 30	0.19	Jul 14, 2000
MAXIMUM PEAK FLOW			2,060	Apr 22	6,000	May 30, 2001
MAXIMUM PEAK STAGE			19.23	Apr 22	23.45	May 30, 2001
ANNUAL RUNOFF (AC-FT)	5,960		8,100		14,610	
10 PERCENT EXCEEDS	12		11		31	
50 PERCENT EXCEEDS	1.9		2.0		4.4	
90 PERCENT EXCEEDS	0.99		0.98		1.0	

a Also occurred July 18, 19, 2000.



07244100 COAL CREEK NEAR HENRYETTA, OK—Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--March 1996 to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1996 to September 2004 (discontinued).

INSTRUMENTATION.--Water temperature recorder provides continuous readings.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.5°C, July 18,19, 2001; minimum, -0.5°C, Jan. 3, 4, 9, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.4°C, July 15; minimum, 2.6°C, Feb. 8.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.1	16.8	17.5	17.5	16.1	16.8	9.4	8.0	8.7	11.2	8.5	9.8
2	17.5	16.1	16.8	19.0	17.0	17.9	9.1	8.3	8.7	14.1	11.2	12.6
3	19.3	16.6	17.7	20.4	18.8	19.6	10.0	8.6	9.2	15.7	13.6	14.6
4	20.1	18.2	19.0	20.7	19.3	20.1	10.4	9.3	9.7	15.3	10.7	13.0
5	20.2	18.7	19.5	19.3	15.1	17.1	9.4	7.7	8.6	10.7	5.8	8.1
6	20.8	18.9	19.8	15.1	12.1	13.5	7.9	6.6	7.3	5.8	3.7	4.4
7	21.4	18.7	19.8	12.1	11.1	11.5	8.0	6.2	7.0	3.8	3.0	3.4
8	21.3	18.9	20.1	12.1	11.2	11.7	10.2	7.4	8.7	4.0	3.2	3.6
9	22.9	20.5	21.5	12.8	11.9	12.3	11.8	9.8	10.9	5.2	3.7	4.2
10	22.3	20.2	21.4	13.5	12.4	12.9	10.0	6.8	8.4	5.3	3.8	4.4
11	21.7	20.2	21.0	16.4	13.4	14.7	6.8	5.1	5.6	6.5	4.0	5.1
12	21.3	19.8	20.6	17.5	15.9	16.8	6.2	4.9	5.5	7.9	6.0	6.8
13	21.3	18.7	19.9	15.9	13.2	14.4	6.7	5.7	6.3	10.2	7.9	9.0
14	20.9	18.9	19.9	13.2	11.5	12.2	7.1	6.5	6.8	10.3	9.6	9.9
15	19.0	16.9	18.0	14.9	11.6	13.3	9.3	6.9	8.0	9.8	8.3	9.2
16	19.4	16.6	17.7	14.5	13.7	14.2	8.6	7.0	8.0	10.3	9.3	9.7
17	19.2	17.1	18.0	15.2	13.6	14.4	7.0	5.6	6.2	10.3	8.8	9.6
18	17.7	15.7	16.8	15.8	14.8	15.4	6.9	5.4	6.1	9.6	7.1	8.6
19	18.4	16.0	16.9	14.8	12.8	13.5	7.0	5.7	6.2	7.5	5.4	6.6
20	19.4	17.1	18.0	13.7	11.9	12.9	6.5	4.8	5.7	7.0	4.7	5.9
21	20.3	18.1	19.0	14.4	12.5	13.5	8.4	5.7	6.8	8.1	5.9	7.0
22	20.2	18.4	19.3	15.9	13.0	14.3	11.0	8.3	9.8	8.2	5.7	6.9
23	20.2	18.2	19.0	16.0	11.8	14.1	10.8	8.7	9.8	8.0	5.2	6.7
24	20.2	18.1	19.0	11.8	8.0	9.6	8.7	6.6	7.7	9.4	8.0	8.6
25	20.0	16.6	18.4	8.5	7.1	7.9	7.0	5.6	6.3	11.4	9.3	9.9
26	16.6	14.1	15.4	10.6	8.1	9.3	8.5	6.2	7.2	9.6	5.4	8.2
27	14.7	13.0	13.9	10.0	8.8	9.7	11.3	8.4	9.9	5.4	3.8	4.7
28	14.9	13.9	14.3	8.9	7.2	8.2	12.0	10.0	11.3	6.8	3.6	5.0
29	15.3	12.9	14.0	7.7	6.2	7.0	10.0	8.0	8.7	6.8	5.8	6.3
30	17.9	14.8	15.9	9.3	6.9	7.9	8.0	6.8	7.4	6.0	3.5	4.4
31	18.0	16.8	17.4	---	---	---	8.6	7.1	7.9	6.0	4.0	4.6
MONTH	22.9	12.9	18.2	20.7	6.2	13.2	12.0	4.8	7.9	15.7	3.0	7.4

07244100 COAL CREEK NEAR HENRYETTA, OK—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6.9	6.0	6.5	13.4	9.7	11.4	---	---	---	---	---	---
2	7.0	5.0	6.1	12.8	9.8	11.3	18.1	15.3	16.8	---	---	---
3	6.9	3.6	5.2	12.7	10.7	11.4	18.1	15.9	17.0	20.4	15.7	17.9
4	5.7	4.8	5.3	13.3	10.6	11.7	18.4	15.8	17.0	22.1	17.0	19.2
5	6.2	5.0	5.5	13.5	12.0	12.7	18.0	15.6	16.7	23.4	18.5	20.7
6	5.5	4.2	4.8	13.9	11.3	12.6	17.7	15.9	16.8	24.5	20.0	22.2
7	5.7	2.7	4.1	14.6	11.7	12.8	17.2	16.4	16.8	24.7	20.9	23.0
8	5.8	2.6	4.1	15.1	10.8	12.7	18.6	15.6	16.9	24.3	21.5	23.1
9	6.3	5.0	5.6	15.5	11.7	13.2	17.7	15.8	16.8	23.9	22.2	23.2
10	7.0	3.8	5.3	15.2	10.5	12.6	15.8	14.3	15.2	24.0	21.9	23.0
11	7.0	5.2	5.9	15.8	11.9	13.5	16.0	13.1	14.4	23.9	22.2	23.1
12	6.3	4.4	5.4	15.1	11.1	12.9	15.3	13.0	14.1	23.7	22.8	23.2
13	5.5	3.2	4.4	13.4	12.1	12.7	15.1	12.6	13.9	24.0	22.9	23.4
14	6.1	5.1	5.6	15.9	11.9	13.4	16.8	13.1	14.8	22.9	18.7	20.8
15	6.0	4.5	5.3	13.4	11.8	12.6	18.9	15.2	17.1	19.5	17.3	18.4
16	7.1	4.7	5.8	13.9	10.5	12.2	21.5	18.3	19.7	23.0	18.6	20.5
17	8.0	6.6	7.4	17.0	10.3	13.4	21.6	19.7	20.5	24.1	21.0	22.3
18	9.0	6.8	7.8	18.8	13.9	16.2	20.8	19.8	20.2	25.2	22.2	23.6
19	11.8	9.0	10.4	17.8	15.2	16.6	20.3	19.3	19.8	27.1	23.7	25.0
20	12.0	10.7	11.5	19.3	17.0	18.0	20.4	19.1	19.7	28.4	24.3	26.1
21	11.3	9.4	10.2	18.1	13.7	15.5	19.9	17.1	18.4	27.6	25.1	26.2
22	11.3	9.5	10.4	15.9	12.8	14.6	20.0	16.9	18.2	27.3	24.7	25.9
23	11.4	10.8	11.2	16.7	13.8	15.5	19.7	17.7	19.1	28.1	24.4	26.0
24	11.1	9.5	10.1	16.9	15.3	15.8	18.7	17.8	18.3	27.7	25.1	26.2
25	9.6	7.8	8.9	17.2	15.6	16.4	19.9	17.3	18.6	25.9	24.4	25.0
26	9.6	8.0	9.0	19.4	17.0	18.2	20.7	17.6	19.1	25.4	23.5	24.3
27	10.0	8.1	9.2	19.4	18.3	18.6	21.4	17.6	19.3	24.6	23.8	24.3
28	10.2	9.3	9.8	18.7	16.8	17.9	21.7	18.9	20.1	27.2	23.2	25.0
29	11.5	9.9	10.8	19.9	14.7	17.1	21.4	19.3	20.1	27.1	24.4	25.6
30	---	---	---	18.2	15.1	16.8	---	---	---	28.7	25.0	26.5
31	---	---	---	---	---	---	---	---	---	27.3	23.4	25.3
MONTH	12.0	2.6	7.3	19.9	9.7	14.3	21.7	12.6	17.7	28.7	15.7	23.4
JUNE			JULY			AUGUST			SEPTEMBER			
1	27.8	23.0	25.2	27.4	24.2	25.4	29.9	25.4	27.5	26.9	23.9	25.2
2	26.3	23.3	24.7	28.9	24.7	26.5	31.1	26.6	28.7	25.6	23.6	24.7
3	25.6	22.0	23.7	30.6	25.9	28.1	31.8	27.3	29.4	26.7	23.3	24.8
4	24.1	22.2	22.8	30.6	26.7	28.6	31.5	28.2	29.6	27.4	24.3	25.8
5	23.3	21.2	22.2	30.4	26.9	28.8	29.8	27.5	28.5	28.0	25.4	26.6
6	24.8	22.2	23.4	29.3	26.4	27.9	28.3	25.1	26.8	27.0	23.9	25.9
7	24.3	23.7	23.9	29.3	24.2	26.9	27.9	24.3	26.0	25.5	23.2	24.5
8	25.1	23.4	24.1	31.2	26.0	28.2	26.7	24.0	25.5	24.6	21.7	23.2
9	24.3	23.6	23.8	29.0	26.6	27.4	28.8	23.7	26.1	24.4	20.9	22.7
10	25.2	22.9	23.9	29.5	25.1	27.2	29.9	24.9	27.3	24.8	21.2	22.9
11	26.9	24.0	25.3	30.7	26.7	28.7	28.0	22.9	25.9	25.2	21.6	23.4
12	28.3	25.6	26.9	31.4	27.4	29.3	26.1	22.9	24.5	26.1	22.3	24.1
13	28.0	25.4	27.0	32.0	27.7	29.8	26.2	22.2	24.3	26.5	22.9	24.6
14	29.7	26.1	27.8	31.6	28.1	29.8	25.1	22.6	24.0	26.7	24.1	25.4
15	28.8	27.0	27.9	32.4	28.3	30.2	25.0	22.3	23.6	27.5	24.9	26.0
16	28.5	26.3	27.4	31.2	28.4	29.8	26.8	23.0	24.7	27.0	25.3	26.1
17	29.9	25.6	27.7	31.0	27.9	29.3	27.9	24.1	25.7	28.0	24.5	26.1
18	30.3	27.0	28.4	28.9	26.0	27.6	28.0	24.7	26.3	28.4	25.4	26.8
19	28.2	24.0	26.0	29.9	25.0	27.3	26.9	25.3	25.7	26.7	24.1	25.5
20	25.5	24.2	24.7	31.5	26.5	28.8	25.3	23.6	24.4	25.3	22.6	24.0
21	24.6	23.2	23.9	32.0	27.7	29.6	24.7	22.2	23.4	25.6	22.3	23.8
22	24.0	21.6	22.7	30.9	27.6	29.3	25.9	23.0	24.1	25.2	22.3	23.8
23	25.1	22.1	23.6	30.6	27.4	29.0	27.5	25.2	26.1	24.2	22.7	23.5
24	26.8	23.0	24.8	30.2	26.3	28.4	28.7	26.4	27.3	24.6	22.6	23.5
25	27.9	24.1	25.7	28.7	24.3	25.8	28.7	27.3	28.0	25.5	22.5	23.9
26	27.0	23.9	25.4	26.5	23.3	24.8	29.5	27.0	28.1	25.4	23.1	24.2
27	27.5	24.2	25.7	27.8	23.1	25.3	29.9	27.7	28.8	24.0	21.5	22.9
28	27.8	24.1	26.0	25.9	23.9	24.7	29.4	27.3	28.2	22.6	20.6	21.8
29	26.8	24.5	25.7	24.7	23.1	23.8	27.5	25.1	26.3	23.0	20.5	21.9
30	26.0	24.3	24.8	25.3	24.1	24.6	26.3	23.5	25.0	23.1	20.4	21.7
31	---	---	---	28.4	23.4	25.7	26.5	23.2	24.8	---	---	---
MONTH	30.3	21.2	25.2	32.4	23.1	27.6	31.8	22.2	26.3	28.4	20.4	24.3

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 sea level. 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.--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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,310	1,150	55	697	206	41	368	6,810	2,280	4,050	3,210	4,340
2	1,040	277	46	238	130	34	1,090	4,460	1,450	2,980	2,690	4,680
3	351	4,780	41	126	82	44	822	4,590	293	1,010	1,670	3,860
4	218	4,360	38	105	83	99	362	3,650	2,790	5,070	2,630	2,020
5	154	2,680	2,130	1,530	246	278	217	3,930	1,160	6,360	1,020	1,510
6	118	1,310	518	1,990	315	238	113	3,050	271	4,870	434	633
7	102	4,330	217	2,910	299	132	73	3,890	135	6,000	292	1,760
8	92	2,180	118	1,990	184	78	3,690	3,980	3,100	6,360	204	2,360
9	137	1,350	77	1,590	159	58	2,400	4,310	683	5,490	149	2,320
10	111	4,500	60	373	126	480	1,780	4,140	537	5,860	e2,200	1,530
11	89	3,490	46	225	83	521	1,980	4,120	3,380	6,450	1,200	730
12	83	3,430	42	189	68	518	3,630	4,060	1,240	6,220	328	338
13	78	4,960	585	374	814	288	4,070	1,360	307	7,140	328	3,460
14	76	4,820	540	431	1,290	248	5,070	385	607	2,410	905	5,560
15	72	1,130	259	243	2,170	6,030	3,800	200	3,500	3,380	361	5,600
16	71	634	148	399	999	8,970	3,880	104	1,560	3,490	360	3,880
17	69	998	322	369	331	7,480	1,050	61	946	3,260	887	2,860
18	124	1,530	785	255	276	5,900	e350	649	3,730	2,950	1,920	801
19	98	1,480	469	626	170	4,910	e6,000	1,070	1,260	4,170	1,180	675
20	750	1,770	271	705	92	3,690	e5,050	998	270	4,350	389	2,260
21	3,300	740	153	1,330	63	2,910	e6,400	1,190	989	3,040	2,060	2,580
22	1,650	264	86	809	55	2,480	4,700	502	4,110	4,370	9,330	2,270
23	1,850	283	909	399	48	480	685	293	867	1,880	7,190	2,930
24	1,560	1,940	805	311	46	992	1,810	1,170	1,060	1,400	7,390	2,380
25	896	698	240	338	39	2,200	5,370	483	3,810	1,480	3,950	2,770
26	317	1,580	135	262	36	2,550	12,400	1,480	746	1,920	3,950	943
27	184	307	81	1,490	32	902	9,590	754	298	4,570	5,640	2,540
28	773	177	148	381	40	723	6,940	1,740	3,360	2,820	1,660	1,110
29	3,280	100	84	237	43	709	4,840	512	963	2,900	3,690	1,470
30	6,820	68	77	914	---	535	5,070	204	426	938	5,910	2,490
31	5,010	---	795	339	---	657	---	125	---	966	6,850	---
TOTAL	30,783	57,316	10,280	22,175	8,525	55,175	103,600	64,270	46,128	118,154	79,977	72,660
MEAN	993	1,911	332	715	294	1,780	3,453	2,073	1,538	3,811	2,580	2,422
MAX	6,820	4,960	2,130	2,910	2,170	8,970	12,400	6,810	4,110	7,140	9,330	5,600
MIN	69	68	38	105	32	34	73	61	135	938	149	338
AC-FT	61,060	113,700	20,390	43,980	16,910	109,400	205,500	127,500	91,490	234,400	158,600	144,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

	MEAN	2,713	5,303	6,294	6,069	6,174	9,165	9,113	12,310	10,490	5,034	3,549	2,468
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)	(1990)	(1982)	(1999)	(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)	

e Estimated

07245000 CANADIAN RIVER NEAR WHITEFIELD, OK—Continued

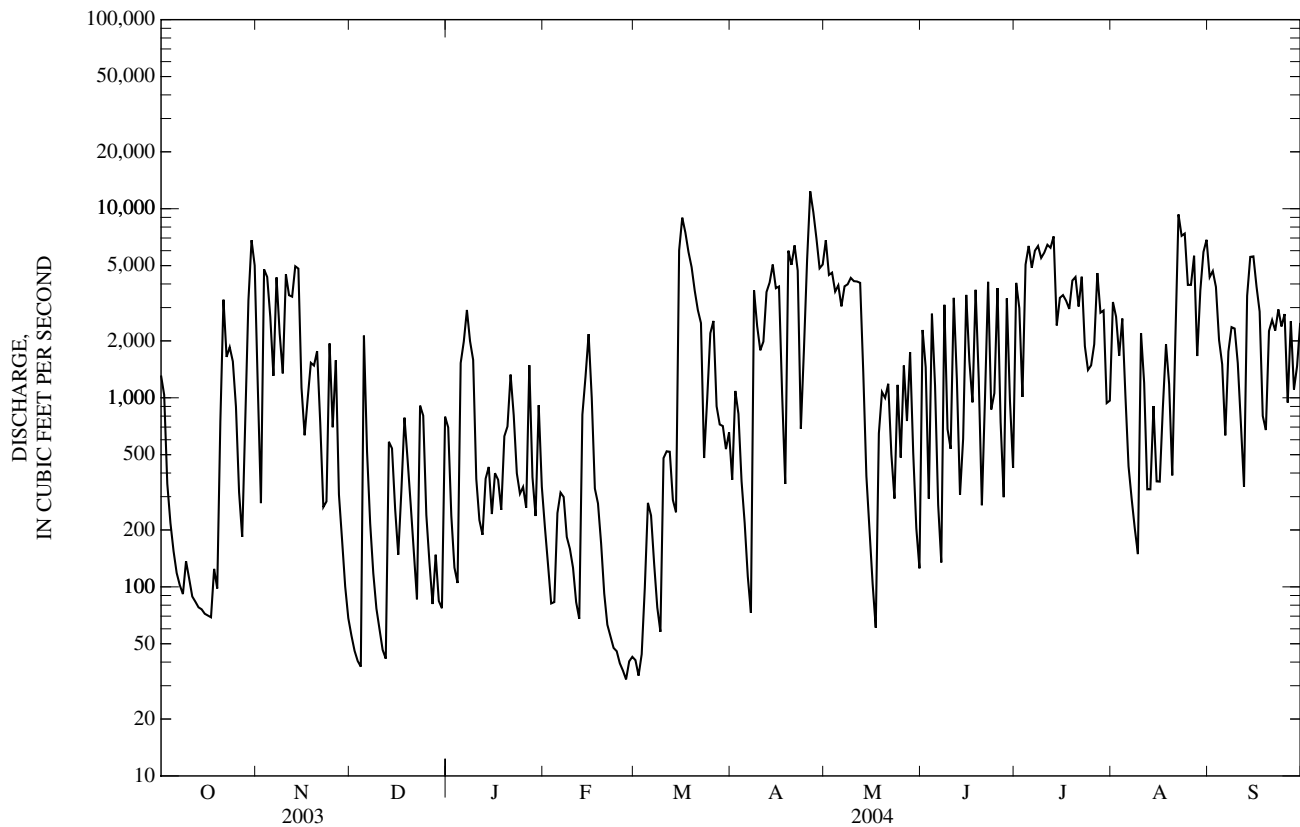
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	708,582		669,043		a6,557	
ANNUAL MEAN	1,941		1,828		15,200	
HIGHEST ANNUAL MEAN					1,012	
LOWEST ANNUAL MEAN					226,000	
HIGHEST DAILY MEAN	7,370	Jan 23	12,400	Apr 26	May 5, 1990	1981
LOWEST DAILY MEAN	38	Dec 4	32	Feb 27	b17	Dec 1, 1980
ANNUAL SEVEN-DAY MINIMUM	75	Nov 28	38	Feb 25	31	Nov 8, 2002
MAXIMUM PEAK FLOW			13,700	Sep 15	c241,000	May 3, 1990
MAXIMUM PEAK STAGE			8.54	Sep 15	d25.32	May 3, 1990
ANNUAL RUNOFF (AC-FT)	1,405,000		1,327,000		4,750,000	
10 PERCENT EXCEEDS	4,800		4,850		16,200	
50 PERCENT EXCEEDS	1,410		954		3,480	
90 PERCENT EXCEEDS	102		83		145	

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, AR

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.

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 fair. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	0.13	23	11	23	28	32	878	24	603	4.2	0.22
2	20	0.13	22	9.8	22	28	29	e538	16	1880	3.4	0.49
3	20	0.21	22	9.0	22	26	25	e382	334	5620	2.7	0.24
4	19	0.43	13	7.9	27	30	23	e294	86	1680	2.3	0.52
5	19	0.96	5.0	6.8	1130	545	20	238	35	1080	2.0	0.90
6	18	2.1	3.7	6.3	589	193	21	187	20	723	1.8	1.2
7	18	5.4	3.5	5.9	229	123	25	150	14	396	1.6	1.00
8	17	4.3	3.3	5.8	137	89	27	125	13	315	1.3	0.77
9	22	2.9	3.5	6.1	106	71	41	102	13	663	1.1	0.78
10	21	2.2	3.4	5.9	93	57	1650	84	19	346	0.94	0.88
11	12	1.8	4.3	5.9	77	49	1150	70	e36	212	0.80	0.86
12	3.0	1.4	5.3	6.1	105	42	551	59	e33	162	0.62	0.79
13	0.86	1.5	5.3	5.8	106	37	279	54	e17	113	0.41	0.79
14	0.14	1.5	5.1	5.4	80	36	185	68	e12	78	0.27	0.81
15	0.00	1.6	5.3	5.1	89	35	137	63	e11	54	0.31	0.87
16	0.00	1.6	6.1	6.7	114	34	104	48	e112	40	0.55	0.94
17	0.00	1.9	5.8	58	99	32	80	39	e221	29	0.48	0.90
18	0.05	4.2	5.9	69	90	704	64	32	e71	21	0.34	0.78
19	0.15	9.5	6.0	30	81	323	51	28	e254	15	0.33	0.58
20	0.19	7.9	5.8	18	71	195	44	24	e309	11	0.43	0.50
21	0.21	6.6	5.9	14	61	145	43	20	154	9.1	0.30	0.58
22	0.28	23	6.0	13	53	108	4510	18	624	7.9	0.45	0.66
23	0.09	28	10	13	47	85	1700	15	747	7.0	0.47	0.75
24	0.00	25	13	15	44	73	4250	13	344	5.8	0.37	0.80
25	0.00	23	9.7	275	41	79	2300	12	254	5.8	0.32	0.99
26	0.00	23	7.5	143	37	67	1300	11	220	10	0.23	1.2
27	0.00	23	6.5	54	33	57	1020	10	162	6.3	0.33	1.2
28	0.00	23	6.6	33	28	51	805	12	117	4.7	0.44	1.2
29	0.00	24	8.3	27	27	47	472	14	248	4.3	0.37	1.4
30	0.00	24	18	25	---	46	400	14	640	4.2	0.18	1.4
31	0.00	---	15	24	---	39	---	12	---	4.1	0.08	---
TOTAL	211.97	274.26	263.8	920.5	3661	3474	21338	3614	5160	14110.2	29.42	25.00
MEAN	6.84	9.14	8.51	29.7	126	112	711	117	172	455	0.95	0.83
MAX	22	28	23	275	1130	704	4510	878	747	5620	4.2	1.4
MIN	0.00	0.13	3.3	5.1	22	26	20	10	11	4.1	0.08	0.22
AC-FT	420	544	523	1830	7260	6890	42320	7170	10230	27990	58	50
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)												
MEAN	97.0	264	359	295	400	427	350	433	207	68.1	17.6	21.0
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

e Estimated

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

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SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

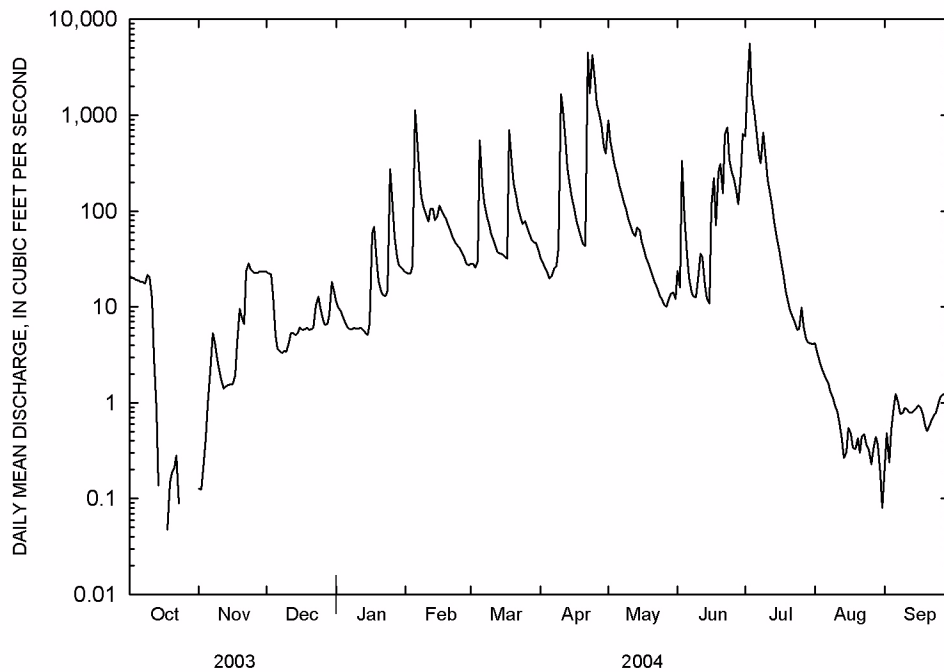
WATER YEARS 1975 - 2004

ANNUAL TOTAL	21149.00		53082.15			
ANNUAL MEAN	57.9		145		a244	
HIGHEST ANNUAL MEAN					432	1985
LOWEST ANNUAL MEAN					48.7	1976
HIGHEST DAILY MEAN	1530	Feb 14	5620	Jul 3	16900	May 3 1990
LOWEST DAILY MEAN	0.00	Oct 15	0.00	Oct 15	0.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 24	0.00	Oct 24	0.00	Oct 7 1978
MAXIMUM PEAK FLOW			7760	Apr 22	b24000	May 3 1990
MAXIMUM PEAK STAGE			15.93	Apr 22	c22.17	May 3 1990
INSTANTANEOUS LOW FLOW			0.00	at times	0.00	at times
ANNUAL RUNOFF (AC-FT)	41950		105300		176800	
10 PERCENT EXCEEDS	122		298		597	
50 PERCENT EXCEEDS	15		18		47	
90 PERCENT EXCEEDS	0.98		0.42		1.8	

a Prior to regulation, water years 1940-74, 218 ft³/s

b Maximum discharge for period of record, 32,200 ft³/s May 20, 1960

c Maximum gage height for period of record, 23.76 ft May 20, 1960



07247015 POTEAU RIVER NEAR LOVING, OK

LOCATION.--Lat 34°52'47", long 94°29'02", in SW 1/4 NW 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 sea level.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	2.8	51	24	56	34	42	1,000	12	e340	12	3.7
2	51	2.7	50	19	49	32	36	949	18	e290	12	3.7
3	51	2.6	49	16	43	34	32	539	129	e320	11	3.8
4	51	2.6	50	14	42	37	29	342	130	e610	9.8	3.9
5	52	3.5	39	12	1,130	402	26	247	42	e950	8.2	4.1
6	52	5.3	21	10	969	343	24	185	17	637	6.7	3.8
7	52	5.1	11	9.0	436	192	27	139	9.0	399	5.6	3.2
8	53	4.9	5.2	4.3	255	134	31	108	5.4	302	5.1	3.0
9	58	26	4.8	5.9	181	102	32	85	5.0	447	4.8	2.8
10	64	18	4.4	6.2	152	82	2,000	68	60	371	4.3	3.0
11	60	9.2	3.6	6.1	127	67	1,830	54	53	230	3.7	2.8
12	47	5.3	3.3	6.3	120	58	837	45	18	e150	3.8	2.6
13	22	4.2	3.1	6.5	169	51	501	38	9.6	e110	3.7	2.4
14	12	4.0	3.6	6.4	e140	46	307	41	6.6	e90	3.3	2.4
15	7.5	4.5	7.7	6.6	e138	44	221	44	4.9	e75	3.1	2.4
16	4.7	4.8	8.3	8.2	e134	43	166	38	74	62	2.9	2.5
17	3.1	4.2	7.0	22	e131	40	125	28	15	50	2.7	2.4
18	3.2	5.7	7.2	158	125	442	97	22	60	42	2.6	2.3
19	4.4	7.0	7.9	100	116	532	77	17	58	34	2.9	e2.3
20	5.1	40	8.6	56	104	288	65	14	283	27	3.3	e2.2
21	4.8	30	8.2	38	91	207	59	12	189	23	3.9	e2.2
22	4.3	25	8.3	28	78	151	2,910	10	733	18	4.3	e2.1
23	4.0	60	10	21	68	117	3,630	8.7	1,010	17	4.3	e2.1
24	4.3	69	12	19	61	96	4,060	7.4	360	17	3.3	e2.0
25	4.6	59	24	262	55	93	4,480	6.6	253	18	3.2	e1.9
26	5.0	54	20	424	50	90	1,520	7.5	476	15	3.2	e1.9
27	4.8	54	15	204	45	75	1,010	8.4	231	18	3.2	e1.8
28	4.0	53	14	129	40	66	757	11	154	18	3.4	e1.7
29	3.4	52	12	96	36	58	488	11	114	16	3.5	e1.6
30	3.2	52	11	78	---	53	380	13	e330	16	3.6	1.6
31	3.0	---	18	66	---	49	---	15	---	14	3.5	---
TOTAL	750.4	670.4	498.2	1,861.5	5,141	4,058	25,799	4,113.6	4,859.5	5,726	150.9	78.2
MEAN	24.2	22.3	16.1	60.0	177	131	860	133	162	185	4.87	2.61
MAX	64	69	51	424	1,130	532	4,480	1,000	1,010	950	12	4.1
MIN	3.0	2.6	3.1	4.3	36	32	24	6.6	4.9	14	2.6	1.6
AC-FT	1,490	1,330	988	3,690	10,200	8,050	51,170	8,160	9,640	11,360	299	155

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	78.1	407	518	490	537	513	409	375	215	50.2	10.3	37.4
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)

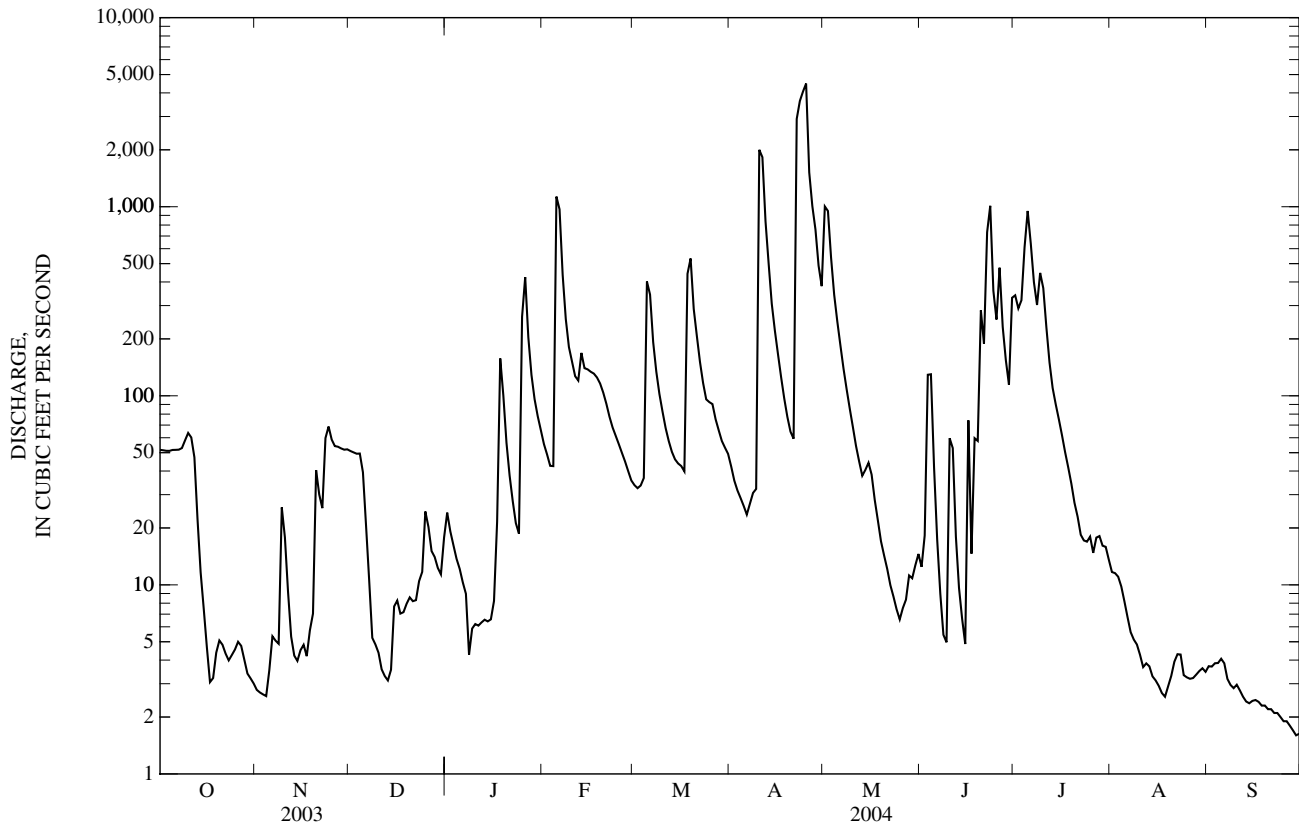
e Estimated

07247015 POTEAU RIVER NEAR LOVING, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	31,783.7		53,706.7		303	
ANNUAL MEAN	87.1		147		481	
HIGHEST ANNUAL MEAN					115	
LOWEST ANNUAL MEAN					12,500	
HIGHEST DAILY MEAN	1,590	Feb 14	4,480	Apr 25	115	2002
LOWEST DAILY MEAN	1.9	Jul 30	1.6	Sep 29	115	2003
ANNUAL SEVEN-DAY MINIMUM	2.1	Jul 26	1.8	Sep 24	115	2003
MAXIMUM PEAK FLOW			7,370	Apr 24	12,500	Nov 25, 1996
MAXIMUM PEAK STAGE			23.62	Apr 24	13,800	Sep 21, 2000
ANNUAL RUNOFF (AC-FT)	63,040		106,500		0.06	Sep 16, 2000
10 PERCENT EXCEEDS	198		333		13,800	Dec 17, 2001
50 PERCENT EXCEEDS	30		26		b28.90	Dec 17, 2001
90 PERCENT EXCEEDS	3.3		3.2		219,400	

a Also occurred Sept. 22, 2000.

b From high-water mark



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 2003 TO SEPTEMBER 2004

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)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
DEC											
09...	1028	1028	1028	9.04	4.6	--	7.2	6.8	38	10.8	4.00
09...	1030	1028	1028	9.04	4.6	--	7.7	6.9	38	9.9	12.0
09...	1031	1028	1028	9.04	4.6	--	8.9	6.9	38	9.9	20.0
09...	1033	1028	1028	9.04	4.6	--	8.9	7.0	38	9.9	28.0
09...	1034	1028	1028	9.04	4.6	--	9.1	7.0	38	9.9	36.0
09...	1035	1028	1028	9.04	4.6	--	9.2	7.0	38	9.8	44.0
09...	1036	1028	1028	9.04	4.6	--	9.3	7.0	37	9.9	52.0
09...	1037	1028	1028	9.04	4.6	--	9.5	7.0	37	10.1	60.0
09...	1038	1028	1028	9.04	4.6	--	9.6	7.0	37	10.5	68.0
09...	1039	1028	1028	9.04	4.6	--	9.6	7.0	37	10.6	76.0
JUN											
24...	1116	1028	1028	10.80	357	761	5.9	7.0	70	23.8	10.0
24...	1117	1028	1028	10.80	357	761	6.0	6.9	70	23.8	20.0
24...	1118	1028	1028	10.80	357	761	5.9	6.9	70	23.8	30.0
24...	1119	1028	1028	10.80	357	761	5.9	6.8	70	23.8	40.0
24...	1120	1028	1028	10.80	357	761	6.0	6.8	70	23.7	50.0
24...	1121	1028	1028	10.80	357	761	5.9	6.8	71	23.7	60.0
24...	1122	1028	1028	10.80	357	761	5.9	6.8	71	23.6	70.0
24...	1123	1028	1028	10.80	357	761	5.9	6.8	71	23.6	80.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfl- lab, Hach 2100AN NTU (99872)	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 unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT 14...													
1400													
DEC 09...													
1045													
FEB 24...													
0930													
APR 20...													
0830													
JUN 24...													
1115													
AUG 24...													
1330													

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	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...	.31	--	E.009	.620	.14	.142	.007	.002	--	.052	.017	.032	.065
DEC 09...	.50	--	<.010	--	--	E.014	--	E.001	--	.046	.015	.029	.084
FEB 24...	.42	--	<.010	1.04	.24	.238	.007	.002	--	.028	.009	.018	.081
APR 20...	.48	.03	.027	.961	.22	.220	.010	.003	.45	.058	.019	.033	.095
JUN 24...	.98	.05	.037	1.30	.29	.299	.020	.006	.94	.466	.152	.187	.29
AUG 24...	.59	.02	.013	.518	.12	.121	.013	.004	.58	.049	.016	.034	.086

07247015 POTEAU RIVER NEAR LOVING, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Total nitro- gen, water, unfltrd mg/L (00600)	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...	.45	98	13	.39
DEC 09...	--	89	11	.14
FEB 24...	.66	79	25	4.2
APR 20...	.70	82	19	3.4
JUN 24...	1.3	65	60	58
AUG 24...	.71	95	16	.14

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 sea level, from topographic map.

REMARKS.--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)
Jun 22	1200	*8,560	*14.52				
						No other peak greater than base discharge.	

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.38	0.18	7.6	33	40	49	54	220	24	190	24	2.0
2	0.31	0.13	7.5	30	36	42	51	248	19	152	22	1.9
3	0.23	0.10	7.8	28	31	40	48	184	64	332	21	1.8
4	0.15	0.16	7.3	25	30	57	44	137	56	282	19	1.9
5	0.11	0.44	7.0	29	612	417	41	105	43	169	17	1.9
6	0.07	2.7	6.5	28	395	264	39	78	43	119	e14	2.7
7	0.05	1.3	6.3	25	234	187	43	58	35	152	e8.5	3.0
8	0.01	e1.2	6.3	25	162	144	50	46	30	189	e7.0	4.3
9	0.35	e1.1	7.2	24	131	123	44	39	35	802	e5.5	3.5
10	0.18	e1.0	6.9	21	105	104	173	34	65	369	4.6	2.8
11	0.10	e0.90	7.8	19	93	90	306	29	108	244	e4.5	2.3
12	0.26	e0.80	8.7	18	137	78	249	29	67	153	e4.2	2.0
13	1.2	e0.60	10	17	118	70	181	32	46	108	e4.0	1.8
14	1.5	e0.60	10	15	110	68	136	73	35	81	e3.7	1.6
15	1.2	e0.40	11	14	112	63	110	63	27	71	e3.5	1.3
16	1.0	e0.40	13	16	127	59	92	48	67	48	e3.3	1.2
17	0.91	e6.5	13	275	138	54	78	40	79	40	2.8	1.1
18	0.85	48	15	353	128	61	66	35	50	32	2.5	0.91
19	0.84	42	15	197	120	64	57	31	283	26	2.6	0.81
20	0.83	25	15	125	110	58	52	27	298	24	3.0	0.71
21	0.80	16	17	87	96	53	67	23	159	21	3.3	0.63
22	0.73	12	17	65	83	48	722	e19	2,900	18	3.2	0.56
23	0.68	13	22	51	75	45	379	e16	984	20	3.1	0.48
24	0.60	16	23	45	69	44	1,710	e14	401	23	3.0	0.45
25	0.51	13	20	174	59	57	932	e13	263	23	2.9	0.45
26	0.44	13	20	179	51	57	421	e12	276	25	2.6	0.39
27	0.38	13	20	120	45	56	249	12	175	24	2.4	0.30
28	0.32	11	30	88	41	57	170	19	129	22	2.6	0.23
29	0.28	9.3	44	72	40	63	126	31	136	24	2.7	0.15
30	0.22	8.3	40	58	---	59	111	20	148	33	2.4	0.08
31	0.20	---	37	48	---	56	---	29	---	27	2.2	---
TOTAL	15.69	258.11	478.9	2,304	3,528	2,687	6,801	1,764	7,045	3,843	207.1	43.25
MEAN	0.51	8.60	15.4	74.3	122	86.7	227	56.9	235	124	6.68	1.44
MAX	1.5	48	44	353	612	417	1,710	248	2,900	802	24	4.3
MIN	0.01	0.10	6.3	14	30	40	39	12	19	18	2.2	0.08
AC-FT	31	512	950	4,570	7,000	5,330	13,490	3,500	13,970	7,620	411	86

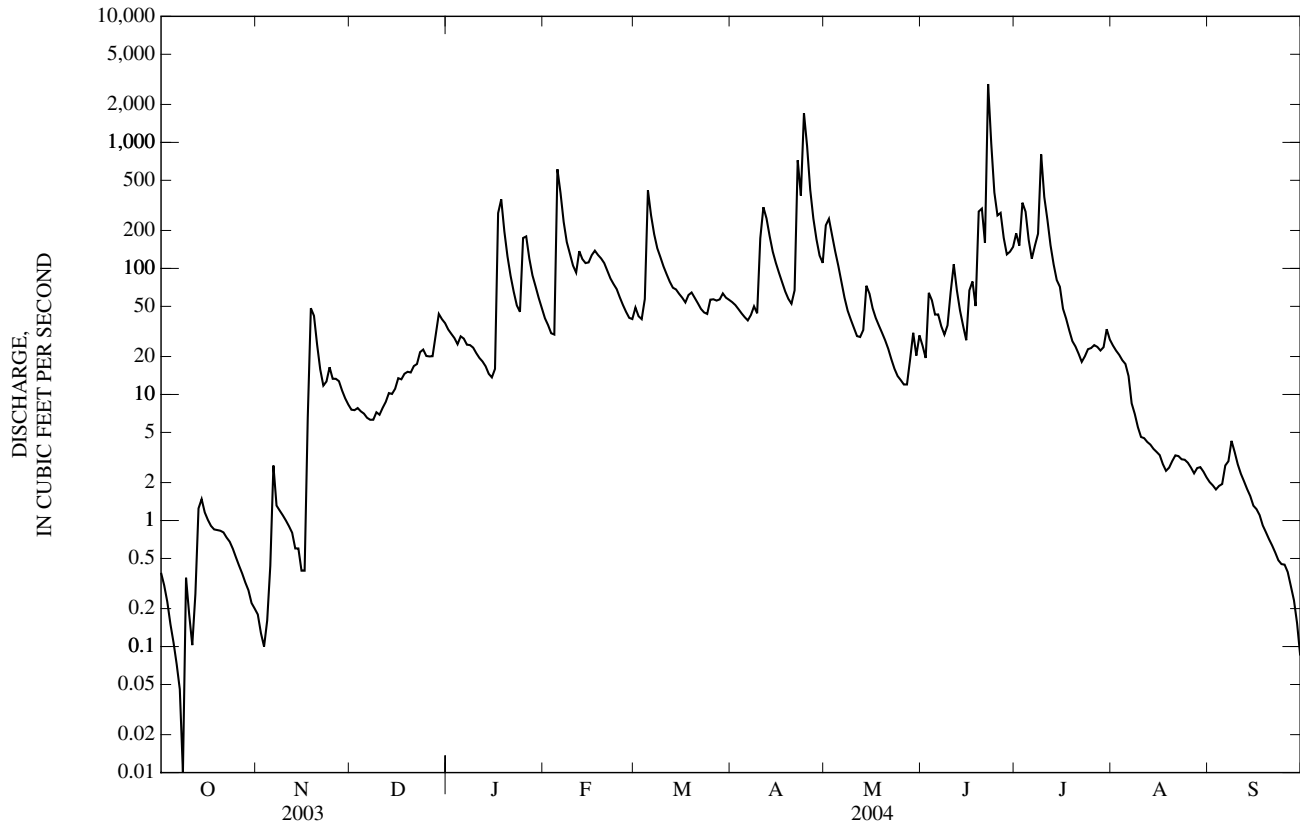
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	77.2	198	262	268	270	243	205	195	123	28.7	6.20	36.5
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	37.4	16.0	0.46	0.00	0.00
(WY)	(2000)	(2000)	(2004)	(2000)	(1996)	(2000)	(2003)	(1997)	(1994)	(1998)	(1998)	(1995)

e Estimated

07247250 BLACK FORK BELOW BIG CREEK NEAR PAGE, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	18,698.14		28,975.05		159	
ANNUAL MEAN	51.2		79.2		246	
HIGHEST ANNUAL MEAN					65.6	
LOWEST ANNUAL MEAN					9,640	
HIGHEST DAILY MEAN	602	Jun 6	2,900	Jun 22	22,100	Nov 24, 1996
LOWEST DAILY MEAN	0.00	Aug 17	0.01	Oct 8	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 17	0.12	Oct 5	0.00	Sep 20, 1994
MAXIMUM PEAK FLOW			8,560	Jun 22	20.94	Oct 6, 1998
MAXIMUM PEAK STAGE			14.52	Jun 22	115,000	Apr 8, 2002
ANNUAL RUNOFF (AC-FT)	37,090		57,470		306	
10 PERCENT EXCEEDS	147		176		42	
50 PERCENT EXCEEDS	23		28		0.22	
90 PERCENT EXCEEDS	0.09		0.60			



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 2003 TO SEPTEMBER 2004

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)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
DEC											
09...	0815	1028	1028	4.20	6.3	739	9.6	6.9	24	10.6	32.0
09...	0817	1028	1028	4.20	6.3	739	9.6	6.8	24	10.6	28.0
09...	0818	1028	1028	4.20	6.3	739	9.6	6.8	24	10.6	24.0
09...	0819	1028	1028	4.20	6.3	739	9.5	6.8	24	10.6	20.0
09...	0820	1028	1028	4.20	6.3	739	9.6	6.8	24	10.6	16.0
09...	0821	1028	1028	4.20	6.3	739	9.6	6.8	24	10.8	12.0
09...	0822	1028	1028	4.20	6.3	739	9.4	6.8	24	10.9	8.00
09...	0823	1028	1028	4.20	6.3	739	9.4	6.8	24	10.8	4.00

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfl- lab, Hach 2100AN NTU (99872)	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 unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT													
14...	1530	1028	80020	3.97	1.4	2.5	769	6.1	69	7.8	37	21.5	21.9
DEC													
09...	0830	1028	80020	4.20	6.3	4.9	739	9.5	89	6.8	24	17.3	10.7
FEB													
24...	1350	1028	80020	4.83	68	34	767	9.9	90	6.3	29	14.0	11.3
APR													
20...	1040	1028	80020	4.57	52	5.8	762	8.2	90	6.4	26	23.3	19.7
JUN													
24...	1000	1028	80020	6.34	417	14	761	8.2	92	7.0	22	27.3	20.7
AUG													
24...	1530	1028	80020	3.99	3.1	2.1	760	6.1	79	6.7	38	34.0	28.4

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT													
14...	.29	--	<.010	<.016	E.001	--	<.006	.006	.018	--	59	24	.09
DEC													
09...	.15	--	<.010	.018	E.001	--	<.006	.005	.015	.17	78	10	.17
FEB													
24...	.12	--	<.010	.179	E.001	--	<.006	E.004	.011	.30	76	14	2.6
APR													
20...	.13	.02	.013	.041	E.001	.12	<.006	E.004	.014	.18	78	6	.84
JUN													
24...	.11	--	E.005	.128	<.002	--	<.006	.005	.024	.24	62	16	18
AUG													
24...	.32	--	<.010	<.016	E.001	--	<.006	.013	.023	--	72	14	.12

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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 2003 TO SEPTEMBER 2004

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)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
DEC											
16...	1409	1028	1028	9.97	6.8	751	15.1	6.9	166	7.7	2.00
16...	1410	1028	1028	9.97	6.8	751	15.1	6.9	166	7.7	4.00
16...	1411	1028	1028	9.97	6.8	751	15.2	6.8	166	7.7	6.00
16...	1412	1028	1028	9.97	6.8	751	15.2	6.8	167	7.7	8.00
16...	1413	1028	1028	9.97	6.8	751	15.1	6.8	167	7.7	10.0
16...	1414	1028	1028	9.97	6.8	751	15.1	6.9	167	7.7	12.0
16...	1415	1028	1028	9.97	6.8	751	15.2	6.9	166	7.7	14.0
16...	1416	1028	1028	9.97	6.8	751	15.2	6.9	167	7.6	16.0
16...	1417	1028	1028	9.97	6.8	751	15.2	6.9	168	7.5	18.0
JUN											
29...	1210	1028	1028	10.28	172	767	8.1	7.2	30	25.3	3.00
29...	1211	1028	1028	10.28	172	767	8.0	7.1	30	25.4	13.0
29...	1212	1028	1028	10.28	172	767	8.1	7.1	30	25.4	23.0
29...	1213	1028	1028	10.28	172	767	8.1	7.0	30	25.4	33.0
29...	1214	1028	1028	10.28	172	767	8.1	7.2	30	25.4	43.0
29...	1215	1028	1028	10.28	172	767	8.1	7.2	30	25.4	53.0
29...	1216	1028	1028	10.28	172	767	8.0	7.3	30	25.4	63.0
29...	1217	1028	1028	10.28	172	767	8.0	7.2	30	25.4	73.0
29...	1218	1028	1028	10.28	172	767	8.0	7.2	30	25.4	78.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	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													
15...	1300	1028	80020	7.92	.56	6.3	770	5.5	61	7.3	51	21.5	20.9
DEC													
16...	1620	1028	80020	9.97	6.8	2.8	751	15.2	129	6.9	167	7.7	7.7
FEB													
24...	1220	1028	80020	10.17	122	38	767	10.3	94	6.4	39	15.0	11.8
APR													
19...	1330	1028	80020	10.08	93	7.4	772	7.8	85	6.3	32	23.5	20.0
JUN													
29...	1220	1028	80020	10.28	172	12	767	8.1	98	7.2	30	26.0	25.4
AUG													
25...	1510	1028	80020	9.79	1.9	<2.0	765	6.6	87	6.7	40	32.2	29.6

07247345 BLACK FORK AT HODGEN, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)
OCT 15...	.41	.02	.015	E.014	E.001	.39	<.006	.008	.042	--	62	26	.04
DEC 16...	.34	--	E.005	<.016	<.002	--	<.006	.008	.021	--	74	12	.22
FEB 24...	.17	--	E.006	.129	E.001	--	<.006	.005	.016	.30	65	18	5.9
APR 19...	.22	.02	.015	.043	E.001	.20	<.006	.008	.024	.26	100	6	1.5
JUN 29...	.22	.02	.014	.134	E.001	.20	<.006	.006	.022	.35	84	12	5.6
AUG 25...	.29	.03	.021	.016	E.001	.27	E.003	.014	.027	.31	86	9	.05

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 sea level. Prior to April 25, 1939, nonrecording gage at same site and datum.

REMARKS.--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)
Apr. 10	1700	*1,780	*12.60				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	1.5	8.5	e12	40	11	8.6	113	3.7	115	87	9.2
2	0.44	1.5	11	e12	37	13	7.8	111	23	101	60	4.9
3	0.36	1.7	25	e11	35	15	6.4	100	272	466	43	3.5
4	0.26	3.3	e22	e10	36	108	5.9	81	101	305	34	2.9
5	0.27	65	e20	e9.2	342	548	5.6	62	33	113	26	2.4
6	0.37	88	e15	e8.7	284	299	5.5	48	13	55	19	3.8
7	0.43	84	e14	e8.2	165	152	6.5	37	7.0	404	13	13
8	0.35	e40	e12	e7.8	109	96	8.1	28	6.1	470	8.6	22
9	0.66	e13	e8.7	e7.8	83	73	32	21	5.4	220	6.6	11
10	1.1	e6.0	e11	e7.6	73	57	1,180	15	136	110	5.2	7.0
11	1.2	e4.5	e18	e6.6	67	40	1,100	10	281	72	4.9	5.1
12	1.4	e3.8	e34	e6.6	57	30	567	7.9	109	47	4.6	3.9
13	1.3	e3.4	e29	e6.0	48	23	343	6.5	49	30	4.1	3.2
14	2.2	e3.0	e28	e6.4	43	23	175	6.2	27	20	3.5	2.5
15	2.4	e2.8	e21	e6.3	39	24	101	12	18	14	2.9	2.7
16	1.9	e2.6	e18	e12	34	21	74	8.3	85	9.9	2.2	2.7
17	1.9	e2.5	e15	501	29	15	58	5.4	82	7.3	1.8	2.3
18	2.2	182	e12	586	26	11	44	4.1	41	5.4	1.7	2.1
19	2.2	116	e10	277	24	9.3	35	3.4	44	4.4	2.2	1.9
20	2.6	57	e10	140	17	8.1	30	2.7	90	3.6	2.7	1.7
21	2.6	31	e9.7	87	9.5	6.8	27	e2.7	54	3.3	5.1	1.5
22	2.9	18	e9.4	54	8.3	5.6	25	e2.7	271	2.7	5.5	1.3
23	3.1	18	e9.1	36	8.9	5.0	28	e2.6	411	2.4	4.7	1.1
24	3.0	e103	e8.9	28	9.5	4.3	1,070	e2.6	225	2.3	4.1	13
25	3.7	e56	e8.9	307	9.8	4.8	1,170	e2.5	91	2.9	3.3	17
26	3.8	e31	e8.9	341	9.6	4.8	703	e2.4	68	2.0	2.7	3.3
27	3.3	e15	e12	175	7.8	4.8	491	2.4	88	2.0	2.4	1.2
28	2.9	e6.1	e28	116	7.5	6.7	252	3.6	63	2.0	2.7	0.85
29	2.5	e5.7	e20	88	7.2	18	127	3.5	37	8.2	24	0.96
30	2.1	e4.2	e16	69	---	13	107	4.1	32	279	20	24
31	1.6	---	e14	54	---	11	---	8.8	---	150	14	---
TOTAL	55.51	969.6	487.1	2,997.2	1,666.1	1,661.2	7,793.4	720.4	2,766.2	3,029.4	421.5	172.01
MEAN	1.79	32.3	15.7	96.7	57.5	53.6	260	23.2	92.2	97.7	13.6	5.73
MAX	3.8	182	34	586	342	548	1,180	113	411	470	87	24
MIN	0.26	1.5	8.5	6.0	7.2	4.3	5.5	2.4	3.7	2.0	1.7	0.85
AC-FT	110	1,920	966	5,940	3,300	3,290	15,460	1,430	5,490	6,010	836	341

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

	MEAN	72.1	127	140	111	187	227	262	265	120	53.5	16.2	44.8
	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)

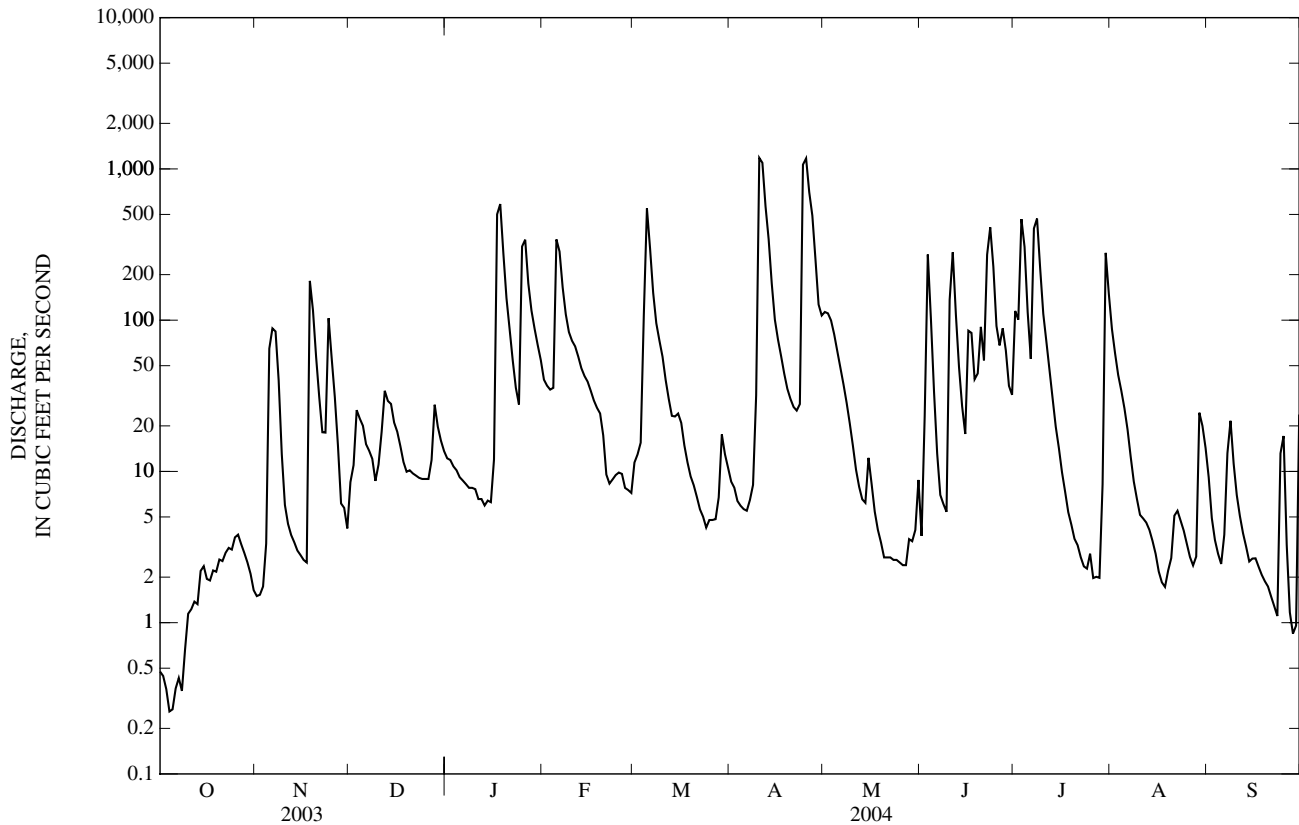
e Estimated

07247500 FOURCHE MALINE NEAR RED OAK, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	15,026.97		22,739.62		135	
ANNUAL MEAN	41.2		62.1		317	
HIGHEST ANNUAL MEAN					18.3	
LOWEST ANNUAL MEAN					18,900	
HIGHEST DAILY MEAN	1,860	Mar 19	1,180	Apr 10	18,900	May 19, 1960
LOWEST DAILY MEAN	0.00	Jul 30	0.26	Oct 4	0.00	at times
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 16	0.35	Oct 2	0.00	Oct 1, 1938
MAXIMUM PEAK FLOW			1,780	Apr 10	a41,500	May 19, 1960
MAXIMUM PEAK STAGE			12.60	Apr 10	b24.79	May 19, 1960
ANNUAL RUNOFF (AC-FT)	29,810		45,100		98,060	
10 PERCENT EXCEEDS	87		137		317	
50 PERCENT EXCEEDS	9.1		11		18	
90 PERCENT EXCEEDS	0.29		2.2		0.29	

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 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, 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 2003 TO SEPTEMBER 2004

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)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
DEC										
16...	1038	1028	1028	8.52	16	751	6.7	111	6.5	7.00
16...	1039	1028	1028	8.52	16	751	6.8	112	6.6	14.0
16...	1040	1028	1028	8.52	16	751	6.9	113	6.6	21.0
16...	1041	1028	1028	8.52	16	751	7.0	114	6.6	28.0
16...	1042	1028	1028	8.52	16	751	7.0	114	6.6	35.0
16...	1043	1028	1028	8.52	16	751	7.0	115	6.6	42.0
16...	1044	1028	1028	8.52	16	751	7.0	115	6.7	49.0
16...	1045	1028	1028	8.52	16	751	7.1	115	6.6	56.0
16...	1046	1028	1028	8.52	16	751	7.1	116	6.7	63.0
16...	1047	1028	1028	8.52	16	751	7.1	117	6.5	70.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfltrd lab, Hach 2100AN NTU (99872)	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 unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT													
15...	1000	1028	80020	7.91	.47	11	770	5.1	53	7.7	148	8.2	18.1
DEC													
16...	1050	1028	80020	8.52	16	18	751	--	--	7.0	115	3.4	6.6
FEB													
23...	1300	1028	80020	9.09	46	<2.0	766	9.8	88	6.6	104	10.4	10.9
APR													
19...	1700	1028	80020	9.28	84	32	772	8.3	91	6.6	79	22.0	20.5
JUN													
30...	0730	1028	80020	9.26	E64	49	769	5.8	70	7.5	89	21.0	25.1
AUG													
25...	1010	1028	80020	8.05	1.6	13	765	4.8	60	6.8	114	25.9	27.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	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													
15...	.45	.03	.021	.075	.02	.019	.007	.002	.43	--	<.006	.012	.034
DEC													
16...	.34	--	<.010	--	--	E.010	--	<.002	--	--	<.006	.008	.052
FEB													
23...	.36	--	E.009	.292	.07	.068	.007	.002	--	--	<.006	.007	.056
APR													
19...	.49	.04	.030	.536	.12	.126	.016	.005	.46	--	E.003	.012	.072
JUN													
30...	.64	.04	.030	.615	.14	.143	.013	.004	.61	.040	.013	.023	.113
AUG													
25...	.68	--	<.010	--	--	<.016	--	<.002	--	--	<.006	.013	.060

07247650 FOURCHE MALINE NEAR LEFLORE, OK—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Total nitro- gen, water, unfltrd mg/L (00600)	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 15...	.47	77	27	.03
DEC 16...	--	72	23	1.0
FEB 23...	.42	88	31	3.9
APR 19...	.62	81	38	8.6
JUN 30...	.79	88	51	--
AUG 25...	--	86	26	.12

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. No flow Oct. 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from 1 bank (00009)
DEC											
16...	1331	1028	1028	13.85	2.2	751	12.2	6.1	132	6.8	3.00
16...	1332	1028	1028	13.85	2.2	751	12.0	6.4	131	6.9	6.00
16...	1333	1028	1028	13.85	2.2	751	11.9	6.5	133	6.9	9.00
16...	1334	1028	1028	13.85	2.2	751	11.8	6.5	134	7.0	12.0
16...	1335	1028	1028	13.85	2.2	751	11.9	6.6	135	7.1	15.0
16...	1336	1028	1028	13.85	2.2	751	12.0	6.6	135	7.1	18.0
16...	1337	1028	1028	13.85	2.2	751	12.0	6.6	135	7.2	21.0
16...	1338	1028	1028	13.85	2.2	751	11.8	6.6	136	7.3	24.0
16...	1339	1028	1028	13.85	2.2	751	11.7	6.5	137	7.3	27.0
16...	1340	1028	1028	13.85	2.2	751	11.6	6.5	140	7.1	30.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfltrd lab, Hach 2100AN NTU (99872)	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 unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
DEC													
16...	1345	1028	80020	13.85	2.2	9.9	751	11.9	99	6.6	135	2.8	7.0
FEB													
23...	1520	1028	80020	13.71	21	6.2	766	10.6	95	6.3	46	14.3	10.6
APR													
20...	1330	1028	80020	13.70	20	8.0	763	8.1	87	6.4	44	20.2	18.7
JUN													
29...	1600	1028	80020	14.36	84	41	767	8.1	95	7.3	29	29.5	23.5
AUG													
25...	1310	1028	80020	13.16	.70	2.3	765	7.0	90	6.8	50	31.0	28.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	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)
DEC											
16...	.15	<.010	E.011	<.002	<.006	E.003	.018	--	76	12	.07
FEB											
23...	.10	<.010	.027	E.001	<.006	E.004	.009	.13	70	13	.74
APR											
20...	.11	E.007	<.016	E.001	<.006	E.002	.020	--	84	9	.50
JUN											
29...	.46	<.010	E.010	E.001	<.006	.007	.042	--	92	30	6.8
AUG											
25...	.20	E.009	E.012	E.001	<.006	.005	.013	--	94	8	.02

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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 sea level. Prior to December 1990, at site .4 mi upstream at datum 5.00 ft higher.

REMARKS.--Records good. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	51	81	101	1,570	861	768	6,310	376	3,510	200	19
2	49	52	72	94	1,530	844	759	6,220	161	6,290	157	22
3	51	51	65	86	1,480	393	483	6,750	350	15,500	271	24
4	51	50	61	86	702	294	214	7,290	e400	17,000	390	23
5	52	66	56	85	3,600	2,980	163	7,910	e320	11,300	377	23
6	51	155	52	75	4,160	2,160	140	7,910	e260	4,870	427	27
7	49	103	48	69	2,740	1,270	136	7,690	e220	7,590	242	34
8	48	77	45	66	2,290	1,490	138	5,600	410	13,000	104	24
9	40	71	49	63	2,050	1,570	139	3,900	529	9,100	86	20
10	25	68	94	64	2,100	1,560	2,280	3,660	573	6,300	79	20
11	16	50	93	73	2,580	1,530	6,400	1,300	1,160	7,500	75	20
12	11	39	89	71	2,560	1,530	2,810	254	506	8,020	70	20
13	8.2	36	82	70	2,440	1,540	2,190	392	257	7,650	71	20
14	6.8	33	76	102	1,540	1,410	1,790	572	159	7,230	70	19
15	5.8	32	69	84	1,350	1,210	1,550	368	214	6,810	69	18
16	4.6	31	64	84	1,330	2,460	1,420	243	1,410	5,460	64	18
17	4.1	35	61	1,240	1,330	3,490	1,330	196	3,250	1,920	61	18
18	3.2	294	60	2,590	2,120	5,350	1,250	178	1,180	535	56	16
19	2.9	352	58	1,570	2,240	3,030	1,200	471	1,490	464	56	13
20	2.7	267	55	832	1,510	1,250	1,130	590	6,660	315	61	9.6
21	2.8	178	52	1,340	552	1,030	1,250	573	2,540	193	58	7.5
22	3.0	125	50	1,720	287	920	6,140	266	6,150	171	56	6.0
23	3.0	110	56	1,640	256	850	8,240	105	9,610	157	51	5.0
24	3.2	124	60	1,590	246	845	10,700	77	4,270	148	45	4.4
25	4.4	126	64	2,480	236	1,430	15,200	66	2,570	242	41	4.1
26	17	138	71	3,550	223	1,420	10,400	62	2,220	170	35	4.3
27	45	124	63	2,400	209	508	3,700	58	2,060	145	30	4.3
28	47	120	78	1,950	575	346	4,760	62	1,960	132	30	4.3
29	47	105	98	1,780	869	726	6,180	60	1,880	140	34	98
30	49	91	100	1,700	---	568	6,660	546	2,450	172	27	154
31	51	---	99	1,630	---	392	---	2,190	---	177	24	---
TOTAL	801.7	3,154	2,121	29,285	44,675	45,257	99,520	71,869	55,595	142,211	3,417	699.5
MEAN	25.9	105	68.4	945	1,541	1,460	3,317	2,318	1,853	4,587	110	23.3
MAX	52	352	100	3,550	4,160	5,350	15,200	7,910	9,610	17,000	427	154
MIN	2.7	31	45	63	209	294	136	58	159	132	24	4.1
AC-FT	1,590	6,260	4,210	58,090	88,610	89,770	197,400	142,600	110,300	282,100	6,780	1,390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

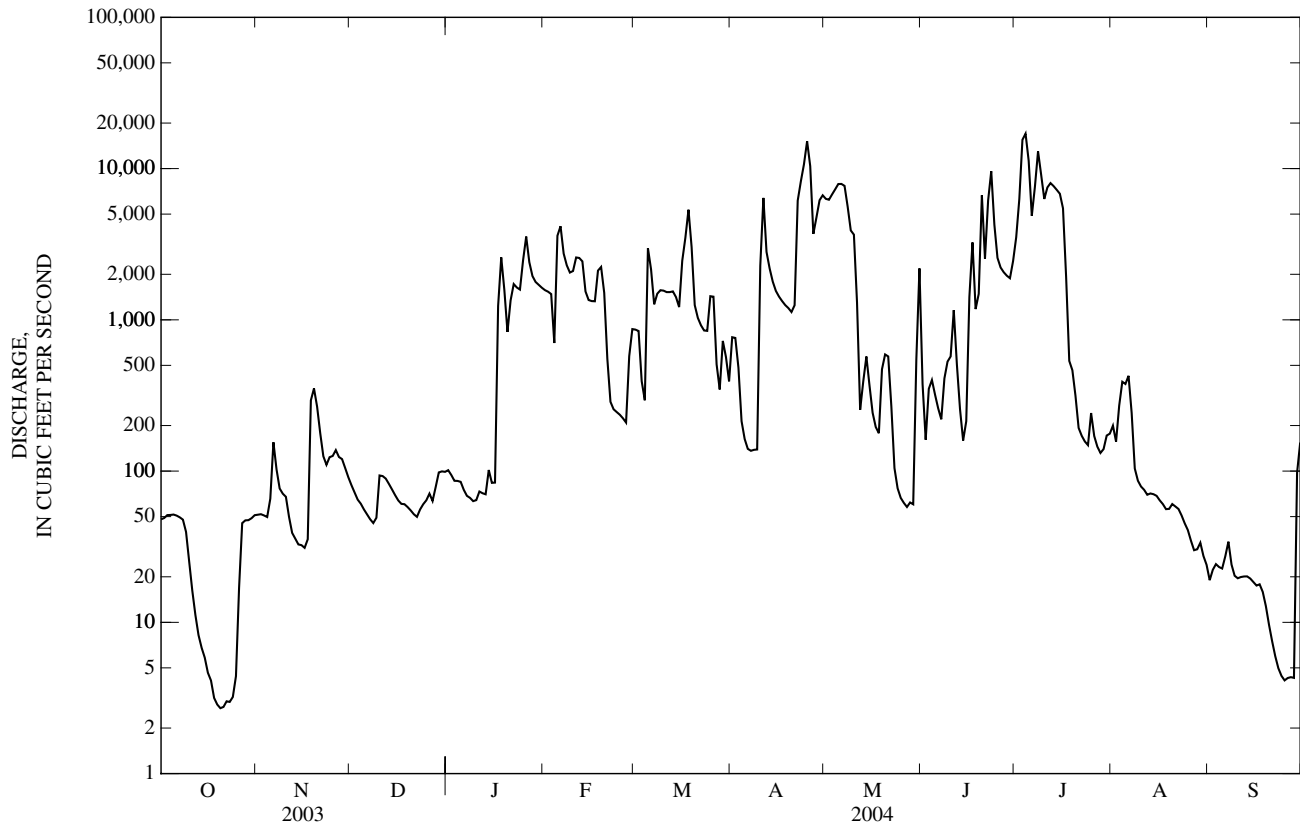
MEAN	619	1,832	3,043	3,263	3,745	4,003	3,611	4,088	2,485	869	188	448
MAX	3,519	9,861	8,135	10,930	7,467	8,242	8,912	16,670	5,531	4,587	818	2,678
(WY)	(1999)	(1997)	(1997)	(1998)	(1990)	(1997)	(2002)	(1990)	(1990)	(2004)	(1992)	(1992)
MIN	15.0	11.5	10.4	350	262	860	262	403	180	33.6	23.1	23.3
(WY)	(1990)	(1990)	(1990)	(2000)	(1996)	(2000)	(2003)	(1997)	(1994)	(2001)	(2003)	(2004)

e Estimated

07249413 POTEAU RIVER NEAR PANAMA, OK—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	209,245.0		498,605.2		2,344	
ANNUAL MEAN	573		1,362		3,907	
HIGHEST ANNUAL MEAN					589	
LOWEST ANNUAL MEAN					67,000	
HIGHEST DAILY MEAN	6,020	Mar 20	17,000	Jul 4	May 3, 1990	1990
LOWEST DAILY MEAN	2.7	Oct 20	2.7	Oct 20	Oct 20, 2003	2003
ANNUAL SEVEN-DAY MINIMUM	3.0	Oct 18	3.0	Oct 18	Oct 18, 2003	2003
MAXIMUM PEAK FLOW			18,100	Jul 4	May 3, 1990	1990
MAXIMUM PEAK STAGE			34.96	Jul 4	May 3, 1990	1990
ANNUAL RUNOFF (AC-FT)	415,000		989,000		1,698,000	
10 PERCENT EXCEEDS	2,180		4,420		7,130	
50 PERCENT EXCEEDS	110		178		556	
90 PERCENT EXCEEDS	9.0		20		28	

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 sea level.

REMARKS.--No estimated daily discharge. Records fair. Flow regulated by Lock and Dam 12 upstream and Lock and Dam 13 downstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

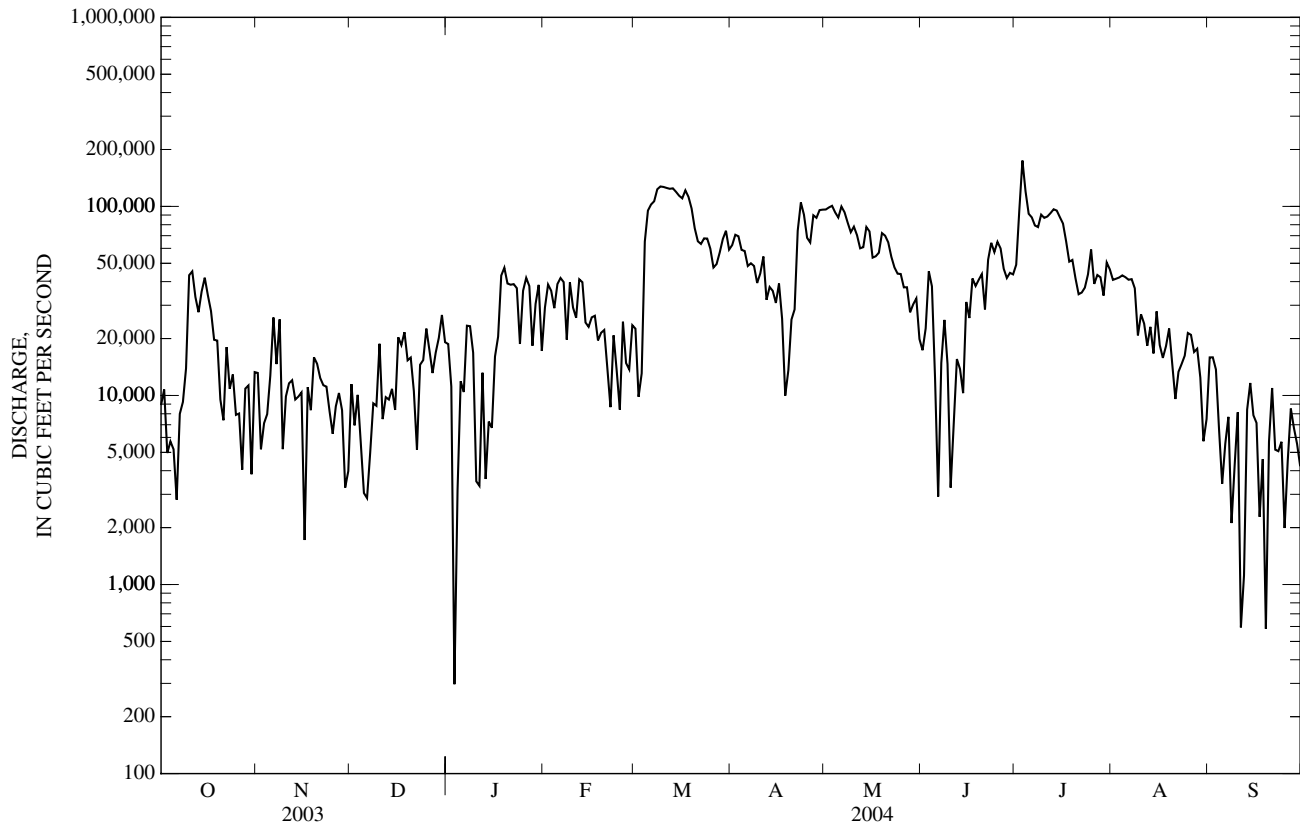
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,900	13,200	11,500	18,700	29,200	22,500	62,400	96,300	17,300	49,100	40,900	15,900
2	10,800	5,190	6,950	11,100	38,600	9,840	70,800	98,700	22,700	95,600	41,400	15,900
3	4,960	7,130	10,100	297	35,800	13,100	69,500	101,000	45,300	175,000	42,100	13,700
4	5,710	7,970	5,580	3,170	29,000	65,100	58,900	92,900	37,800	120,000	43,200	6,600
5	5,190	12,700	3,050	11,900	38,800	95,100	58,100	87,300	12,300	91,400	42,200	3,410
6	2,810	25,800	2,870	10,400	41,800	102,000	48,400	99,800	2,920	87,500	40,900	5,560
7	7,990	14,700	4,970	23,400	39,800	106,000	50,000	93,100	14,900	79,300	41,200	7,710
8	9,240	25,300	9,080	23,300	19,700	123,000	48,400	82,100	25,100	77,700	36,900	2,110
9	13,900	5,200	8,820	16,800	39,600	127,000	39,300	73,000	14,600	90,400	20,800	4,270
10	43,300	9,880	18,800	3,520	29,200	127,000	44,200	78,200	3,260	87,000	26,900	8,150
11	45,300	11,600	7,500	3,330	25,800	125,000	54,300	70,400	7,160	88,400	24,000	593
12	33,200	12,000	9,800	13,200	41,100	124,000	32,100	60,000	15,600	92,100	18,300	1,120
13	27,600	9,520	9,520	3,620	39,700	125,000	37,500	60,900	13,800	96,600	23,100	8,410
14	35,500	9,870	10,800	7,280	24,300	119,000	35,800	77,800	10,300	95,000	16,700	11,600
15	42,000	10,400	8,380	6,750	23,100	114,000	30,900	73,700	31,200	87,700	27,800	7,860
16	33,900	1,720	20,300	16,100	25,900	110,000	39,100	53,600	25,700	81,100	18,500	7,160
17	28,000	11,100	18,500	20,500	26,400	122,000	25,400	54,500	41,600	65,400	15,800	2,280
18	19,700	8,360	21,600	43,100	19,500	112,000	9,980	56,900	37,900	51,000	18,300	4,610
19	19,500	15,900	15,300	47,400	21,400	97,400	13,600	72,200	40,900	52,100	22,600	583
20	9,520	14,700	15,900	39,100	22,200	76,700	25,200	70,000	43,900	41,700	14,700	5,690
21	7,390	12,400	10,600	38,500	14,000	65,400	28,500	64,600	28,500	34,300	9,580	11,000
22	18,000	11,300	5,160	38,800	8,670	63,300	74,400	54,100	52,200	35,000	13,300	5,170
23	10,800	11,100	14,500	36,900	20,800	67,700	105,000	47,500	64,200	37,200	14,700	5,070
24	12,900	8,230	15,400	18,700	13,500	67,600	90,400	44,100	57,300	43,700	16,200	5,690
25	7,890	6,270	22,600	35,800	8,410	59,700	68,200	43,900	64,900	59,100	21,400	1,990
26	8,030	8,760	17,300	41,900	24,500	47,500	64,400	37,300	59,900	38,900	20,900	4,490
27	4,050	10,300	13,100	37,900	14,800	49,600	89,700	37,300	46,800	43,400	17,000	8,530
28	10,900	8,350	16,800	18,300	13,700	57,000	87,000	27,500	41,800	42,200	17,700	6,720
29	11,300	3,260	20,200	30,500	23,500	67,200	95,600	30,400	44,500	33,800	12,400	5,540
30	3,830	3,980	26,700	38,500	---	74,300	96,100	32,600	43,700	50,500	5,730	4,220
31	13,300	---	19,100	17,200	---	59,100	---	19,900	---	46,500	7,500	---
TOTAL	515,410	316,190	400,780	675,967	752,780	2,594,140	1,653,180	1,991,600	968,040	2,168,700	732,710	191,636
MEAN	16,630	10,540	12,930	21,810	25,960	83,680	55,110	64,250	32,270	69,960	23,640	6,388
MAX	45,300	25,800	26,700	47,400	41,800	127,000	105,000	101,000	64,900	175,000	43,200	15,900
MIN	2,810	1,720	2,870	297	8,410	9,840	9,980	19,900	2,920	33,800	5,730	583
AC-FT	1,022,000	627,200	794,900	1,341,000	1,493,000	5,145,000	3,279,000	3,950,000	1,920,000	4,302,000	1,453,000	380,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	MEAN	22,750	24,580	25,260	33,700	36,850	68,000	53,560	62,100	53,180	42,470	16,570	10,680
MAX	78,990	104,200	53,480	128,800	78,150	98,560	95,150	149,800	124,800	102,200	32,240	21,250	
(WY)	(1999)	(1999)	(1999)	(1998)	(2001)	(2001)	(1998)	(1999)	(1999)	(1999)	(1997)	(2003)	
MIN	4,832	3,936	6,148	10,030	11,260	32,430	23,940	28,790	15,460	11,920	7,111	5,918	
(WY)	(2001)	(2000)	(2003)	(2002)	(2003)	(2002)	(2001)	(2001)	(1998)	(2003)	(2001)	(2001)	

07249455 ARKANSAS RIVER NEAR FORT SMITH, AR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	7,592,995		12,961,133		37,700	
ANNUAL MEAN	20,800		35,410		73,680	
HIGHEST ANNUAL MEAN					19,870	
LOWEST ANNUAL MEAN					198,000	
HIGHEST DAILY MEAN	86,600	Mar 20	175,000	Jul 3	198,000	Jan 5, 1998
LOWEST DAILY MEAN	534	Feb 4	297	Jan 3	45	Sep 10, 1998
ANNUAL SEVEN-DAY MINIMUM	6,090	Dec 2	4,220	Sep 6	1,430	Sep 7, 1998
MAXIMUM PEAK FLOW			184,000	Jul 3	206,000	Jan 5, 1998
MAXIMUM PEAK STAGE			23.50	Jul 3	25.82	Jan 5, 1998
ANNUAL RUNOFF (AC-FT)	15,060,000		25,710,000		27,310,000	
10 PERCENT EXCEEDS	45,300		87,600		98,700	
50 PERCENT EXCEEDS	14,800		24,400		21,800	
90 PERCENT EXCEEDS	5,810		5,570		5,380	



07249455 ARKANSAS RIVER NEAR 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 2003 TO SEPTEMBER 2004

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)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)
DEC											
08...	1147	1028	1028	11.52	E9,080	747	12.1	7.9	578	8.3	100
08...	1149	1028	1028	11.52	E9,080	747	10.9	8.1	577	8.5	200
08...	1159	1028	1028	11.52	E9,080	747	11.3	8.1	569	8.3	300
08...	1204	1028	1028	11.52	E9,080	747	11.6	8.2	570	8.4	400
08...	1208	1028	1028	11.52	E9,080	747	11.6	8.2	570	8.5	500
08...	1211	1028	1028	11.52	E9,080	747	11.6	8.2	571	8.6	600
08...	1214	1028	1028	11.52	E9,080	747	11.5	8.2	571	8.4	700
08...	1217	1028	1028	11.52	E9,080	747	11.4	8.2	569	8.4	800
08...	1220	1028	1028	11.52	E9,080	747	11.3	8.2	570	8.4	900
08...	1223	1028	1028	11.52	E9,080	747	11.4	8.2	571	8.4	1,000

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turbid- ity, wat unfltrd lab, Hach 2100AN NTU (99872)	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 unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
OCT													
14...	1200	1028	80020	11.69	33,900	16	770	8.8	99	8.2	677	20.0	21.6
DEC													
08...	1325	1028	80020	11.52	E9,080	17	747	11.5	100	8.2	571	10.2	8.4
FEB													
24...	1630	1028	80020	11.14	18,300	44	766	11.2	99	7.8	780	15.0	10.0
APR													
20...	1545	1028	80020	11.53	27,700	33	766	9.2	99	7.5	557	25.0	19.2
JUN													
30...	1030	1028	80020	11.74	36,800	36	770	7.8	94	8.0	580	23.6	25.5
AUG													
26...	0830	1028	80020	11.56	3,080	20	766	7.0	88	7.7	533	26.0	27.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	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...	.54	.02	.016	.491	.11	.115	.013	.004	.53	.144	.047	.065	.107
DEC													
08...	.46	.02	.013	2.40	.54	.545	.010	.003	.44	.153	.050	.063	.105
FEB													
24...	.49	.02	.018	2.11	.48	.482	.016	.005	.48	.126	.041	.054	.093
APR													
20...	.59	.03	.025	2.58	.58	.597	.049	.015	.56	.144	.047	.062	.133
JUN													
30...	.62	.06	.044	1.77	.40	.406	.020	.006	.58	.138	.045	.060	.132
AUG													
26...	.49	.07	.058	1.21	.27	.303	.095	.029	.43	.242	.079	.100	.131

07249455 ARKANSAS RIVER NEAR FORT SMITH, AR—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Total nitro- gen, water, unfltrd mg/L (00600)	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...	.66	91	71	6,500
DEC 08...	1.0	91	50	--
FEB 24...	.98	97	74	3,660
APR 20...	1.2	93	60	4,490
JUN 30...	1.0	82	83	8,250
AUG 26...	.79	98	59	491

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

DISCHARGE AT PARTIAL-RECORD STATIONS

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
07159639	Bluff Creek above Bethany and Warr Acres Sewage Treatment Plant near Edmond, OK.	Lat 35°40'02", long 97°35'45", in NE 1/4, NW 1/4, sec.26, T.14 N., R.4 W., Oklahoma County, Hydrologic Unit 11050002, at county road bridge 0.4 mi upstream of Deer Creek and 0.6 mi west of State Highway 74.		1986 1993-2004	05-18-04	3.8
					06-16-04	3.6
					07-20-04	3.4
					08-17-04	22
					09-16-04	123
07159643	Deer Creek below Bluff Creek at Oklahoma City, OK.	Lat 35°40'56", long 97°35'26", in NE 1/4, NW 1/4, sec.23, T.14 N., R.4 W., Oklahoma County, Hydrologic Unit 11050002, 0.3 mi upstream of County Road and 0.5 mi downstream of confluence of Bluff Creek.		1993-2004	05-18-04	7.6
					06-16-04	6.0
					07-20-04	11
					08-17-04	55
					09-16-04	12
07159650	Deer Creek at Oklahoma City, OK.	Lat 35°41'24", long 97°35'06"', in SW 1/4, NW 1/4, sec.13, T.14 N., R.4 W., Oklahoma County, Hydrologic Unit 11050002, at bridge on 220th St., 0.4 mi east of State Highway 74.		1993-2004	05-18-04	19
					06-16-04	18
					07-20-04	21
					08-17-04	79
					09-16-04	20
07159730	Chisholm Creek at Edmond, OK.	Lat 35°40'55", long 97°32'06", in SE 1/4, SE 1/4, sec.17, T.14 N., R.3 W., Oklahoma County, Hydrologic Unit 11050002, at bridge on 206th St., 0.2 mi west of Western Avenue, 1.8 mi south of Logan County line.		1993-2004	05-18-04	.61
					06-16-04	.96
					07-20-04	.75
					08-17-04	10
					09-16-04	.67
07159735	Chisholm Creek near Edmond, OK.	Lat 35°43'32", long 97°31'37", in NW 1/4, NW 1/4, sec.4, T.14 N., R.3 W., Oklahoma County, Hydrologic Unit 11050002, at bridge on County Road, 0.2 mi east of Western Avenue on the Logan and Oklahoma County lines.		1993-2004	05-18-04	8.6
					06-16-04	8.0
					07-20-04	12
					08-17-04	25
					09-16-04	12
07176941	Little Hominy Creek Site OS-054 near Wynona, OK	Lat 36° 32' 13", long 96° 23' 58", NAD27, Osage County, Oklahoma, Hydrologic Unit 11070206		1999 2004	09-08-03	.29
07184950	Fourmile Creek near Commerce, OK	Lat 36°58'03", long 94°57'58" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	1.7
07185020	Elm Creek near Cardin, OK	Lat 36°58'21", long 94°53'27" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	.16
07185030	Elm Creek near Commerce, OK	Lat 36°55'18", long 94°55'06" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	.77

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
071850805	Tar Creek near Captain, KS	Lat 37°01'00", long 94°51'21" NAD83, Cherokee County, Kansas , Hydrologic Unit 11070206		2004	03-24-04	NF
071850810	Tar Creek at State Line Road near Picher, OK	Lat 36°59'55", long 94°51'05" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-24-04	.75
071850815	Tar Creek at A Street at Picher, OK	Lat 36°59'13", long 94°50'45" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-24-04	.50
071850820	Tar Creek at Cardin, OK	Lat 36°58'21", long 94°50'45" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-24-04	.76
071850825	Tar Creek near Cardin, OK	Lat 36°57'46", long 94°50'47" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	1.3
071850840	Lytle Creek at State Line Road near Picher, OK	Lat 36°59'56", long 94°48'04" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-24-04	NF
071850845	Lytle Creek at A Street at Picher, OK	Lat 36°59'13", long 94°48'51" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	.15
071850850	Lytle Creek at College Street at Picher, OK	Lat 36°58'36", long 94°49'33" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	NF
071850860	Lytle Creek at Cardin Road at Picher, OK	Lat 36°58'21", long 94°49'59" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	NF
071850870	Lytle Creek near Cardin, OK	Lat 36°57'44", long 94°50'46" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	1.5
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		2002-2004	03-24-04	4.5
071850885	Tar Creek Tributary near Picher, OK	Lat 36°57'12", long 94°49'51" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	NF
07185092	Garrett Creek near Commerce, OK	Lat 36°55'24", long 94°50'31" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	.06
07185180	Little Elm Creek near Miami, OK	Lat 36°53'08", long 94°49'21" NAD83,Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-24-04	.66
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	01-18-04 03-05-04 03-30-04 06-15-04	12600 33000 21400 21300
07187988	Spring River Tributary near Quapaw, OK	Lat 36°58'35", long 94°43'22" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2004	03-23-04	1.4

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
07188005	Beaver Creek near Quapaw, OK	Lat 36°56'02", long 94°45'14" NAD83, Ottawa County, Oklahoma , Hydrologic Unit 11070206		2000, 2003 2004	03-23-04	2.6
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 Quad-range. Hydrologic Unit 11070207.		1982, 1986 2004	01-18-04 03-05-04 03-30-04 06-15-04 08-31-04	20200 40400 11500 4610 1290
07190600	Big Cabin Creek near Pyramid Corners, OK	Lat 36°48'06", long 95°09'48" NAD27,Craig County, Oklahoma , Hydrologic Unit 11070209		1963-1972 2004	09-02-04	.02e
07190630	West Fork Big Cabin Creek near Pyramid Corners, OK	Lat 36°45'25", long 95°13'50" NAD27,Craig County, Oklahoma , Hydrologic Unit 11070209		1977, 1986 2004	08-19-04	1.9
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.		1996-2004	10-28-03 11-18-03 12-08-03 02-19-04 03-04-04 04-14-04 04-23-04 06-17-04 08-18-04	162 1600 234 421 5120 686 9590 367 379
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	1992-2004	10-15-03 12-16-03 02-24-04 04-19-04 06-29-04 08-25-04	.56 6.8 122 93 172 1.9
07247350	Poteau River near Heavener, OK	Lat 34°51'30", long 94°37'45", in SE 1/4, SE 1/4, sec.35 T.5 N., R.25 E., LeFore County, Hydrologic 11110105, on SH 59, 0.7 mile downstream of Black Fork and 1.1 miles north of Hodgen, OK	523	2002-2003	04-01-03 06-04-03	151 84.
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	1992-2004	10-15-03 12-16-03 02-23-04 04-19-04 08-25-04	.47 16 46 84 1.6
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	1992-2004	12-16-03 02-23-04 04-26-04 06-29-04 08-25-04	2.2 21 20 84 .70

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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:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

