07228500 CANADIAN RIVER AT BRIDGEPORT, OK

Lower Canadian Basin
Lower Canadian-Walnut Subbasin

LOCATION.--Lat 35°32′37″, long 98°19′03″ referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.1, T.12 N., R.11 W., Caddo County, OK, Hydrologic Unit 11090202, on downstream side of bridge on U.S. Highway 281, 3.3 mi east of Bridgeport, 1.6 mi downstream from Lumpmouth Creek, and at mile 263.3.

DRAINAGE AREA.--25,276 mi^2 of which 4,801 mi^2 probably is noncontributing.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WSP 1341: Drainage area.

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

REMARKS.--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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	109	239	216	e247	280	200	e376	456	193	38	65	e75
2	105	231	214	e245	269	e201	e388	929	182	33	69	e66
3	113	e230	225	e244	322	208	e509	756	323	e26	51	e60
4	106	e218	227	e244	e267	213	e429	471	209	24	46	e52
5	92	e212	227	e247	e259	221	e385	562	150	33	26	e48
6	196	209	227	e242	e249	220	e295	579	124	33	20	e45
7	336	204	230	e244	e240	e213	291	457	e123	27	18	e40
8	353	206	226	e245	e234	e208	256	455	e105	21	13	e36
9	369	201	240	e242	e259	220	251	482	e106	18	11	e32
10	306	e199	242	e244	e441	227	213	464	114	15	13	e28
11	272	266	256	e245	e306	222	211	453	176	16	17	e27
12	244	246	267	e247	283	217	269	423	129	15	17	504
13	260	245	e262	e248	277	230	361	468	111	15	15	722
14	1,030	242	e258	e253	267	231	365	611	108	e14	12	260
15	1,270	235	264	e247	263	233	353	399	114	12	10	e148
16	963	217	e254	e255	263	238	332	464	110	12	8.8	e128
17	840	213	e234	e252	e263	e232	379	370	86	12	12	e105
18	598	e207	e214	e244	255	e223	357	297	74	14	5,630	e94
19	438	201	e244	e246	248	e205	351	249	72	16	4,180	e84
20	365	205	e260	255	237	e201	423	221	74	15	1,300	e75
21	e342	200	e255	257	e225	e200	522	196	68	60	467	e70
22	e326	193	e251	246	218	e198	544	179	67	26	228	e65
23	321	202	e244	233	211	e193	527	178	59	22	273	e60
24	358	201	e238	217	209	846	445	811	51	21	267	e55
25	332	200	283	219	215	e563	373	418	44	17	191	e50
26	322	200	329	206	217	e381	518	503	e41	16	153	e48
27	322	203	443	e202	215	e331	1,770	422	35	17	197	e43
28	298	220	366	e201	e208	e361	904	364	46	21	e131	e43
29	271	226	292	e195	---	e360	786	352	62	19	e105	e39
30	259	218	257	e190	---	e338	516	262	48	59	e94	e35
31	246	---	e246	e230	---	400	---	228	---	100	e84	---
Total	11,762	6,489	7,991	7,332	7,200	8,534	13,699	13,479	3,204	787	13,723.8	3,137
Mean	379	216	258	237	257	275	457	435	107	25.4	443	105
Max	1,270	266	443	257	441	846	1,770	929	323	100	5,630	722
Min	92	193	214	190	208	193	211	178	35	12	8.8	27
Ac-ft	23,330	12,870	15,850	14,540	14,280	16,930	27,170	26,740	6,360	1,560	27,220	6,220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	203	224	200	250	277	476	408	724	559	125	190	184
Max	2,412	1,525	870	1,162	878	1,907	1,795	4,188	2,342	500	2,120	1,386
(WY)	(1987)	(1975)	(1998)	(1988)	(2001)	(1973)	(1997)	(1987)	(1995)	(1979)	(2007)	(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)

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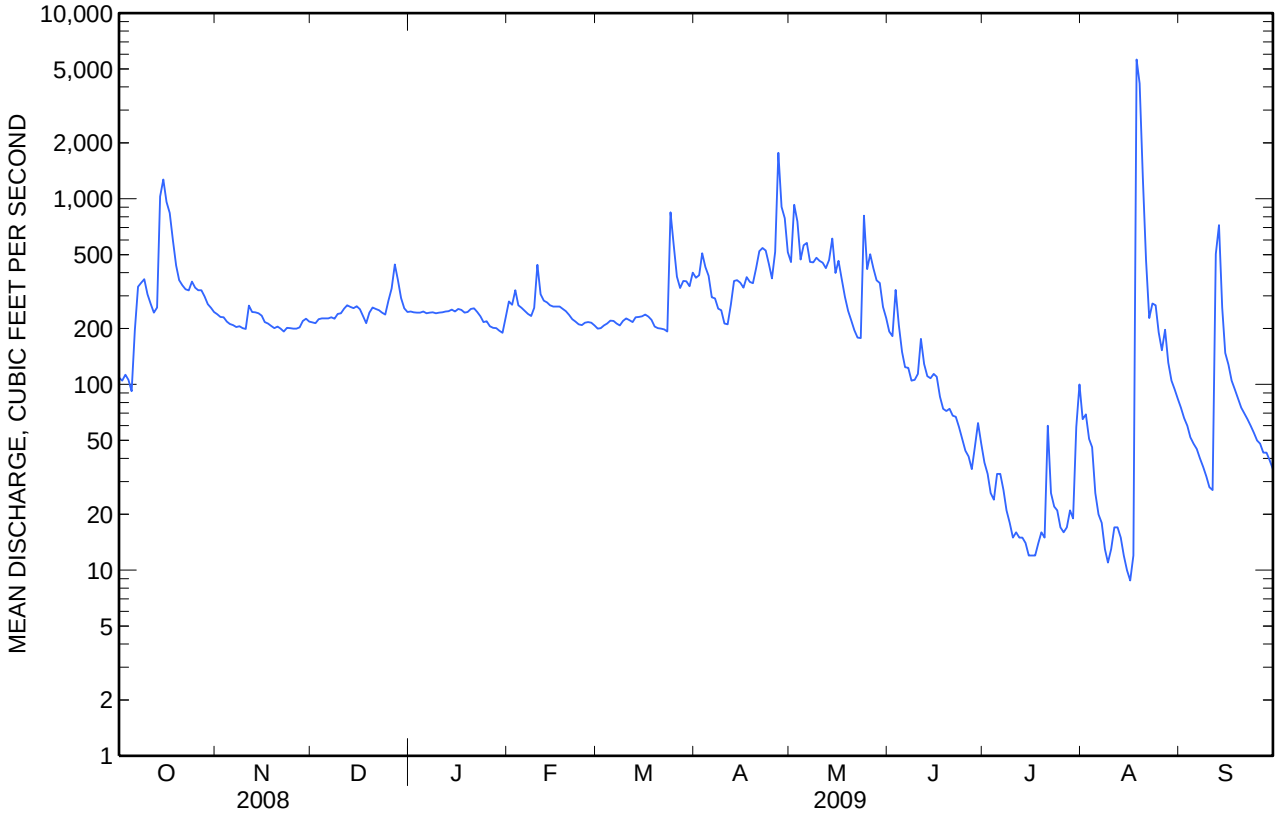
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1970 - 2009	
Annual total	158,035		97,337.8			
Annual mean	432		267		[a]318	
Highest annual mean					1,018	1987
Lowest annual mean					70.2	1981
Highest daily mean	12,200	Jun 10	5,630	Aug 18	42,100	May 29, 1987
Lowest daily mean	[c]15	Aug 6	8.8	Aug 16	0.00	At times
Annual seven-day minimum	18	Aug 4	13	Aug 11	0.00	Aug 3, 1970
Maximum peak flow			11,900	Aug 18	[b]86,100	May 17, 1982
Maximum peak stage			15.55	Aug 18	21.03	Aug 19, 2007
Annual runoff (ac-ft)	313,500		193,100		230,600	
10 percent exceeds	683		455		550	
50 percent exceeds	246		227		135	
90 percent exceeds	92		27		13	

[a] Prior to regulation, water years 1945-64, 469 ft^3/s.

[b] Maximum discharge for period of record, 150,000 ft^3/s, June 23, 1948, from rating curve extended above 50,000 ft^3/s (at former site).

[c] Estimated.