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 pier near center 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 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,820	70	70	104	115	98	174	134	389	36	e1.0	30
2	659	63	e70	114	118	96	220	106	200	e21	e1.1	30
3	225	56	75	113	115	94	200	102	108	e22	e1.1	37
4	102	57	77	116	114	85	172	350	70	e13	e1.0	32
5	365	59	80	111	104	88	160	263	49	e7.5	e1.0	33
6	2,410	60	79	115	109	92	147	328	42	e6.0	e0.73	31
7	548	56	e70	109	107	82	133	285	38	e5.5	e0.71	28
8	302	53	e65	115	106	88	130	172	32	e4.5	5.8	25
9	204	59	e75	116	103	92	118	161	25	e3.6	e9.1	24
10	172	59	e90	126	104	91	102	192	22	e2.1	6.6	34
11	241	e57	103	123	98	90	91	210	17	22	e2.9	104
12	184	e57	101	116	97	83	105	176	17	20	e3.6	58
13	146	60	91	123	95	76	95	157	18	20	e0.87	37
14	127	58	93	119	92	72	e89	146	17	e15	6.3	28
15	115	e58	89	114	96	63	e87	138	12	e13	25	22
16	100	57	87	131	93	65	e80	133	11	e12	197	19
17	95	e57	96	127	99	64	e74	119	441	e11	112	25
18	90	57	134	118	e91	75	e63	109	208	e10	58	30
19	82	58	146	119	e84	124	e51	89	76	e8.2	35	42
20	81	64	135	123	e95	170	e48	72	45	e7.1	38	23
21	82	66	134	125	113	225	e46	60	34	e6.8	25	23
22	79	67	122	134	119	259	e44	51	199	e6.4	71	30
23	75	65	126	140	111	261	e42	43	454	e6.1	32	22
24	75	69	131	131	102	235	e41	37	337	e5.6	23	19
25	74	68	143	128	134	233	e39	36	220	e5.3	17	19
26	73	e65	134	111	129	201	e40	28	135	e5.4	16	19
27	72	60	127	107	103	211	e37	21	100	e5.2	135	18
28	66	e62	128	117	103	199	e36	17	69	5.1	114	16
29	59	67	120	123	---	172	359	14	52	e3.5	94	16
30	61	e69	120	120	---	173	203	362	43	e1.4	47	16
31	65	---	117	102	---	193	---	e1,000	---	e1.0	32	---
Total	8,849	1,833	3,228	3,690	2,949	4,150	3,226	5,111	3,480	311.3	1,112.81	890
Mean	285	61.1	104	119	105	134	108	165	116	10.0	35.9	29.7
Max	2,410	70	146	140	134	261	359	1,000	454	36	197	104
Min	59	53	65	102	84	63	36	14	11	1.0	0.71	16
Ac-ft	17,550	3,640	6,400	7,320	5,850	8,230	6,400	10,140	6,900	617	2,210	1,770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	201	232	200	252	277	484	401	701	518	120	132	172
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)

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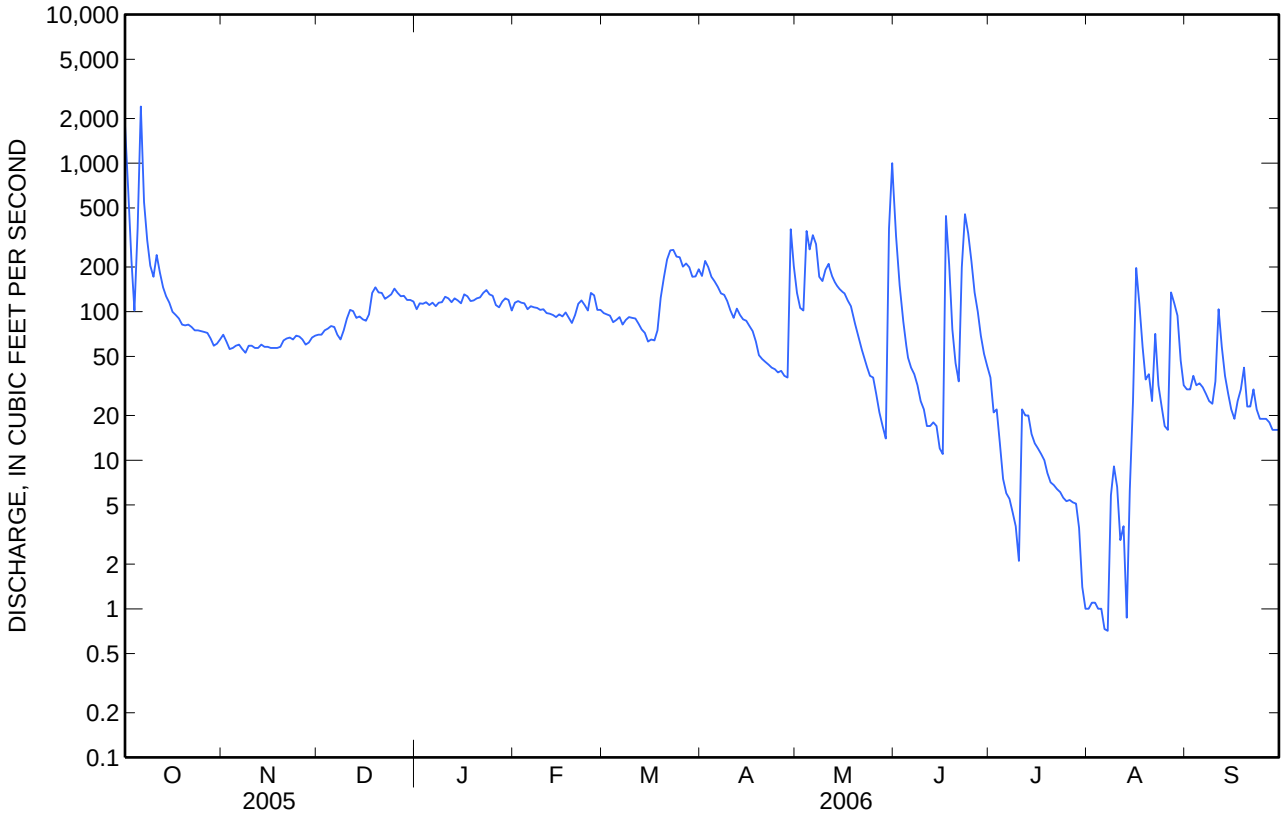
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1970 - 2006	
Annual total	109,578		38,830.11			
Annual mean	300		106		[a]307	
Highest annual mean					1,018	1987
Lowest annual mean					70.2	1981
Highest daily mean	5,540	Jun 13	2,410	Oct 6	42,100	May 29, 1987
Lowest daily mean	17	Aug 3	0.71	Aug 7	0.00	Jul 18, 1970
Annual seven-day minimum	20	Jul 30	0.95	Aug 1	0.00	Aug 3, 1970
Maximum peak flow			5,010	Oct 6	[b]86,100	May 17, 1982
Maximum peak stage			14.03	Oct 6	[c]17.55	May 17, 1982
Annual runoff (ac-ft)	217,300		77,020		222,700	
10 percent exceeds	658		198		540	
50 percent exceeds	162		80		126	
90 percent exceeds	35		12		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.