07245000 CANADIAN RIVER NEAR WHITEFIELD, OK

Lower Canadian Basin
Lower Canadian Subbasin

LOCATION.--Lat 35°15′44″, long 95°14′13″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.7, T.9 N., R.20 E., Haskell County, OK, 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 mi^2 of which 9,700 mi^2 probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 473.16 ft above NGVD of 1929. Prior to Jan. 11, 1939, nonrecording gage and Jan. 11, 1939 to Dec. 10, 1941, June 12, 1947 to Sept. 30, 1948, water-stage recorder, all at site 2.1 mi downstream at datum 2.20 ft higher. Dec. 11, 1941 to June 1, 1947, and Oct. 1, 1948 to Sept. 30, 1978, water-stage recorder at site 400 ft upstream and at datum 5.00 ft higher. Oct. 1, 1978 to July 26, 1983, water-stage recorder at site 400 ft upstream at same datum.

REMARKS.--Records fair. Prior to February 1964, occasional slight regulation by Conchas Lake in New Mexico and, except for 54 mi^2 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6,190	35,900	3,590	6,830	12,600	13,400	4,400	1,430	11,200	18,400	4,470	1,350
2	7,750	35,200	4,010	7,600	12,600	16,000	3,440	1,140	11,600	11,100	4,050	1,500
3	7,010	23,100	4,100	5,460	6,580	18,100	7,860	1,250	6,920	7,440	3,860	716
4	4,910	20,900	4,720	4,930	4,700	21,300	10,700	1,330	7,390	7,800	4,220	253
5	6,330	21,000	2,850	7,660	11,400	19,500	8,310	1,270	1,920	9,520	3,620	149
6	2,560	19,600	637	8,480	9,660	13,100	11,100	1,100	1,700	10,600	3,950	137
7	1,340	16,200	1,530	9,630	6,810	13,000	11,500	1,150	9,490	17,800	3,590	318
8	1,410	16,200	1,650	9,030	5,900	10,800	11,800	698	12,300	16,300	3,460	229
9	5,470	16,200	1,530	8,680	8,560	8,920	7,600	164	12,200	8,420	4,410	5,770
10	2,430	16,200	3,800	3,930	11,600	10,700	3,920	1,080	9,040	17,600	2,840	1,420
11	9,540	16,200	3,950	7,930	12,000	13,100	3,930	2,360	5,970	17,500	3,410	3,580
12	19,900	16,200	2,700	3,060	11,800	14,100	5,490	1,900	2,860	17,600	3,160	e6,540
13	20,600	15,200	1,160	2,430	12,400	14,000	3,720	1,760	1,600	17,500	2,260	e6,620
14	20,900	13,600	3,540	668	11,800	13,600	5,190	2,300	2,950	17,400	2,670	e6,580
15	21,300	13,500	2,240	2,540	12,400	13,900	9,390	1,600	16,400	17,300	1,160	e6,620
16	21,400	7,180	2,000	994	13,600	11,000	3,040	1,850	22,600	15,300	2,560	6,490
17	21,500	4,060	1,680	327	17,100	8,810	3,620	1,220	23,100	12,600	3,160	6,800
18	21,200	4,180	932	1,530	11,800	5,060	4,350	1,400	19,300	11,500	2,370	6,530
19	21,000	3,760	365	2,600	14,100	2,800	3,900	3,740	7,130	11,500	2,960	6,650
20	18,900	5,480	332	2,380	16,000	1,550	11,500	6,880	10,500	11,500	2,440	6,260
21	13,100	5,780	320	2,560	16,200	2,750	12,600	8,660	5,240	11,700	2,580	5,910
22	13,300	5,920	315	5,090	14,600	4,180	12,600	11,400	6,330	11,900	2,170	2,900
23	14,700	8,840	469	1,440	13,500	2,320	12,500	7,620	12,500	9,690	4,290	2,770
24	19,900	4,880	2,050	469	13,200	3,800	9,300	6,350	6,840	12,300	2,740	2,020
25	20,200	5,000	1,390	3,660	13,000	6,120	8,920	11,300	1,900	5,250	2,130	656
26	21,000	3,450	1,280	7,170	12,800	9,560	10,800	12,100	3,220	3,420	2,070	223
27	22,000	3,750	1,540	8,830	12,800	11,700	3,020	11,500	1,870	3,810	1,980	193
28	21,500	2,780	1,720	8,370	12,800	11,600	3,080	8,140	7,610	1,880	641	138
29	20,000	3,210	2,710	9,360	---	10,900	2,580	5,910	19,400	2,260	184	110
30	14,600	2,680	3,880	3,530	---	8,550	1,490	5,780	19,600	2,620	1,570	103
31	21,900	---	6,140	6,390	---	8,520	---	4,480	---	3,920	1,210	---
Total	443,840	366,150	69,130	153,558	332,310	322,740	211,650	128,862	280,680	343,430	86,185	89,535
Mean	14,320	12,200	2,230	4,953	11,870	10,410	7,055	4,157	9,356	11,080	2,780	2,984
Max	22,000	35,900	6,140	9,630	17,100	21,300	12,600	12,100	23,100	18,400	4,470	6,800
Min	1,340	2,680	315	327	4,700	1,550	1,490	164	1,600	1,880	184	103
Ac-ft	880,400	726,300	137,100	304,600	659,100	640,200	419,800	255,600	556,700	681,200	170,900	177,600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,848	5,231	5,766	5,965	5,936	8,729	8,977	11,910	9,933	5,933	3,837	2,491
Max	14,320	21,930	29,600	32,030	19,480	30,340	37,980	64,970	35,550	43,060	20,050	13,910
(WY)	(2010)	(1975)	(1993)	(1998)	(1993)	(1985)	(1990)	(1990)	(1982)	(2007)	(1992)	(1992)
Min	69.5	248	242	75.5	127	54.9	81.5	148	536	259	204	174
(WY)	(2003)	(1983)	(2009)	(2006)	(1981)	(2006)	(1981)	(1981)	(2006)	(1988)	(2006)	(2006)

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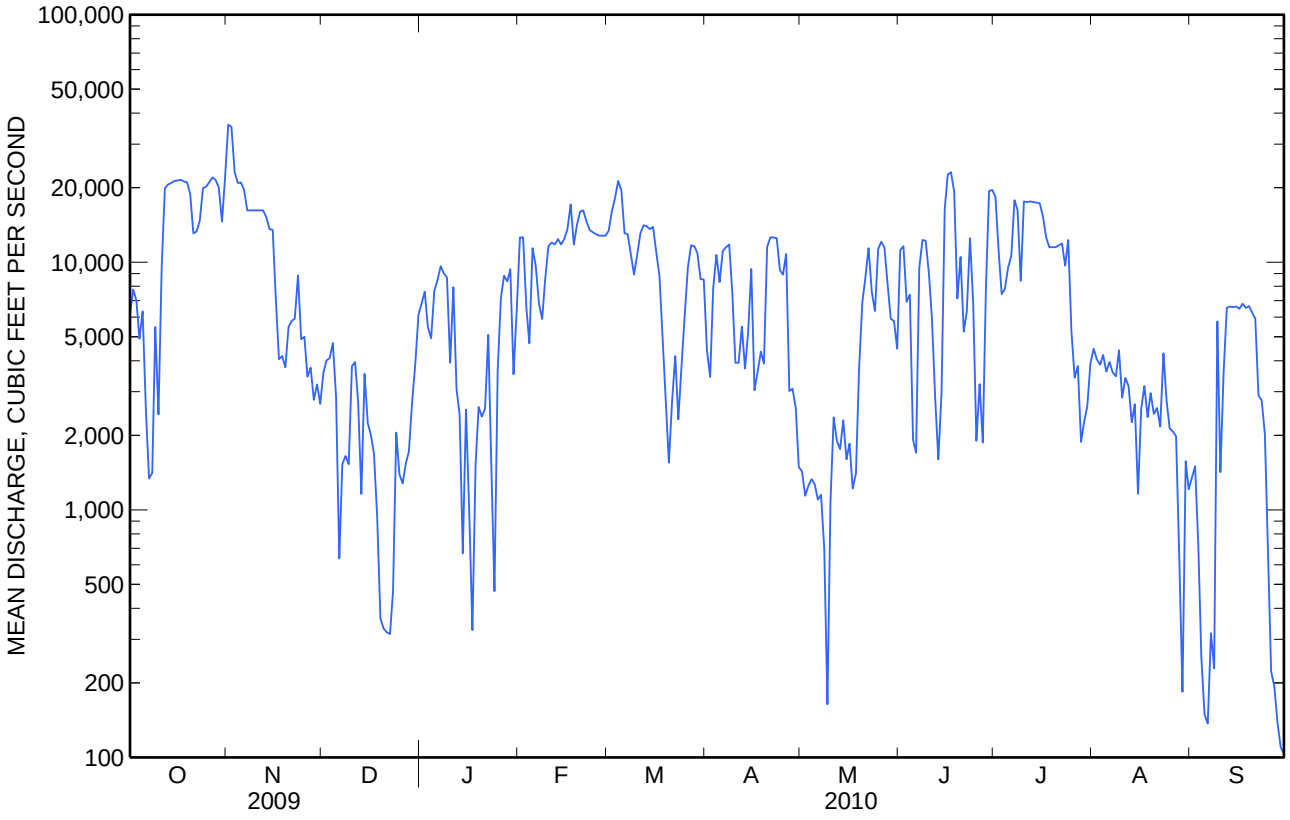
SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1968 - 2010	
Annual total	1,842,983		2,828,070			
Annual mean	5,049		7,748		[a]6,465	
Highest annual mean					15,200	1993
Lowest annual mean					357	2006
Highest daily mean	35,900	Nov 1	35,900	Nov 1	226,000	May 5, 1990
Lowest daily mean	54	Mar 18	103	Sep 30	[b]17	Dec 1, 1980[c]
Annual seven-day minimum	60	Mar 12	472	Sep 2	31	Nov 8, 2002
Maximum peak flow			39,900	Nov 2	[d]241,000	May 3, 1990
Maximum peak stage			12.67	Nov 2	[e]25.32	May 3, 1990
Annual runoff (ac-ft)	3,656,000		5,609,000		4,683,000	
10 percent exceeds	16,200		17,400		16,200	
50 percent exceeds	2,550		6,120		3,390	
90 percent exceeds	99		1,260		124	

[a] Prior to regulation, water years 1939-63, 6,005 ft^3/s.

[b] Minimum daily discharge for period of record 0.4 ft^3/s, Oct. 8, 1956.

[c] Also Nov. 1, 2007.

[d] Maximum discharge for period of record 281,000 ft^3/s, May 10, 1943.

[e] Maximum gage height for period of record 25.5 ft, May 10, 1943.