07174400 CANEY RIVER ABOVE COON CREEK AT BARTLESVILLE, OK

Verdigris Basin
Caney Subbasin

LOCATION.--Lat 36°45′20″, long 95°58′19″ referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.12, T.26 N., R.12 E., Washington County, OK, Hydrologic Unit 11070106, at right bank in city of Bartlesville water intake tower, 0.2 mi upstream from State Highway 123 bridge and low-water dam, 0.5 mi downstream from Atchison, Topeka, and Santa Fe railroad bridge, 1.0 mi upstream from confluence with Coon Creek, 2.7 mi downstream from confluence with Butler Creek, 5.0 mi upstream from confluence with Sand Creek, and at mile 68.7.

DRAINAGE AREA.--1,392 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 653.33 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated periods which are poor. Considerable regulation by Hulah Lake (station 07172500) 27.0 mi upstream, and Copan Lake (station 07174300) 12.0 mi upstream. Diversion at gage for municipal water supply by the city of Bartlesville. U.S. Army Corps of Engineers' satellite telemeter at station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.6	7.0	21	7.2	14	13	522	1,220	896	19,200	5,140	15
2	8.1	7.0	14	6.9	8.9	24	2,290	1,660	1,360	38,000	5,070	12
3	10	6.8	9.4	6.5	7.6	24	2,450	3,360	1,290	31,400	5,020	9.2
4	12	7.3	7.1	6.9	6.9	22	2,690	4,140	1,820	23,900	4,970	9.8
5	12	9.1	6.9	7.1	8.4	22	4,140	5,190	3,570	18,500	4,910	9.8
6	12	10	7.9	6.5	18	22	4,490	5,200	2,390	13,500	4,860	7.5
7	9.6	9.5	9.4	6.4	28	23	4,300	10,800	3,670	7,930	4,800	7.5
8	11	8.6	16	6.4	16	20	4,150	5,170	3,970	6,380	4,740	221
9	12	8.8	20	6.7	7.8	20	4,030	2,030	4,490	6,320	4,710	137
10	14	10	21	6.1	6.3	18	3,360	4,540	4,450	6,270	4,620	36
11	16	7.8	24	7.2	5.8	19	2,040	5,470	e10,200	6,770	4,000	17
12	13	9.0	24	11	8.7	21	1,380	5,470	e8,750	7,710	3,820	15
13	13	13	21	12	19	19	402	5,400	2,000	7,970	3,730	15
14	12	14	11	13	13	19	2,150	5,630	4,530	7,190	2,760	15
15	15	21	5.4	9.5	8.5	18	1,550	5,620	5,070	6,450	1,290	13
16	14	10	4.1	6.7	6.3	17	3,670	5,590	5,280	6,230	619	12
17	11	8.3	6.1	6.5	6.5	22	4,700	5,580	5,350	6,130	63	11
18	12	7.3	6.7	7.0	6.3	23	4,790	5,650	5,580	6,020	22	13
19	14	7.0	8.2	7.4	7.6	25	4,920	5,590	5,560	5,940	16	15
20	14	6.9	45	11	8.1	714	4,880	5,520	6,950	5,780	14	15
21	14	6.2	22	16	7.0	2,610	4,830	5,430	6,170	5,530	13	15
22	14	6.4	10	17	7.4	2,970	4,760	5,340	5,640	5,540	11	16
23	13	6.6	6.5	17	7.5	4,600	4,690	5,240	5,690	5,410	10	18
24	11	6.7	6.0	26	13	4,170	4,610	5,140	5,590	4,420	10	16
25	8.9	6.8	7.2	31	12	3,590	3,710	4,200	5,560	4,170	20	19
26	9.3	7.2	7.1	45	12	3,640	3,030	1,400	5,360	4,130	15	24
27	13	7.8	7.7	66	11	4,670	1,340	959	4,930	4,100	11	24
28	10	14	8.8	45	9.8	4,600	1,120	704	4,820	4,070	9.3	23
29	7.8	20	11	31	---	4,600	1,090	700	9,390	4,170	9.0	23
30	6.4	22	44	27	---	5,780	1,100	686	13,900	5,300	11	23
31	6.5	---	16	21	---	1,300	---	670	---	5,400	13	---
Total	355.2	292.1	434.5	500.0	291.4	43,635	93,184	129,299	154,226	289,830	65,306.3	806.8
Mean	11.5	9.74	14.0	16.1	10.4	1,408	3,106	4,171	5,141	9,349	2,107	26.9
Max	16	22	45	66	28	5,780	4,920	10,800	13,900	38,000	5,140	221
Min	6.4	6.2	4.1	6.1	5.8	13	402	670	896	4,070	9.0	7.5
Ac-ft	705	579	862	992	578	86,550	184,800	256,500	305,900	574,900	129,500	1,600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,098	855	737	814	731	1,872	1,576	2,165	2,287	1,515	254	291
Max	14,800	3,512	2,663	4,075	2,721	4,606	5,185	5,054	5,315	9,349	2,107	2,635
(WY)	(1987)	(1999)	(1987)	(1993)	(1987)	(1990)	(1988)	(1993)	(1999)	(2007)	(2007)	(1989)
Min	11.5	9.74	2.76	4.16	2.87	5.06	11.5	31.1	27.5	25.1	17.0	12.8
(WY)	(2007)	(2007)	(2002)	(2002)	(2002)	(2002)	(2002)	(1996)	(2006)	(2006)	(2006)	(1987)

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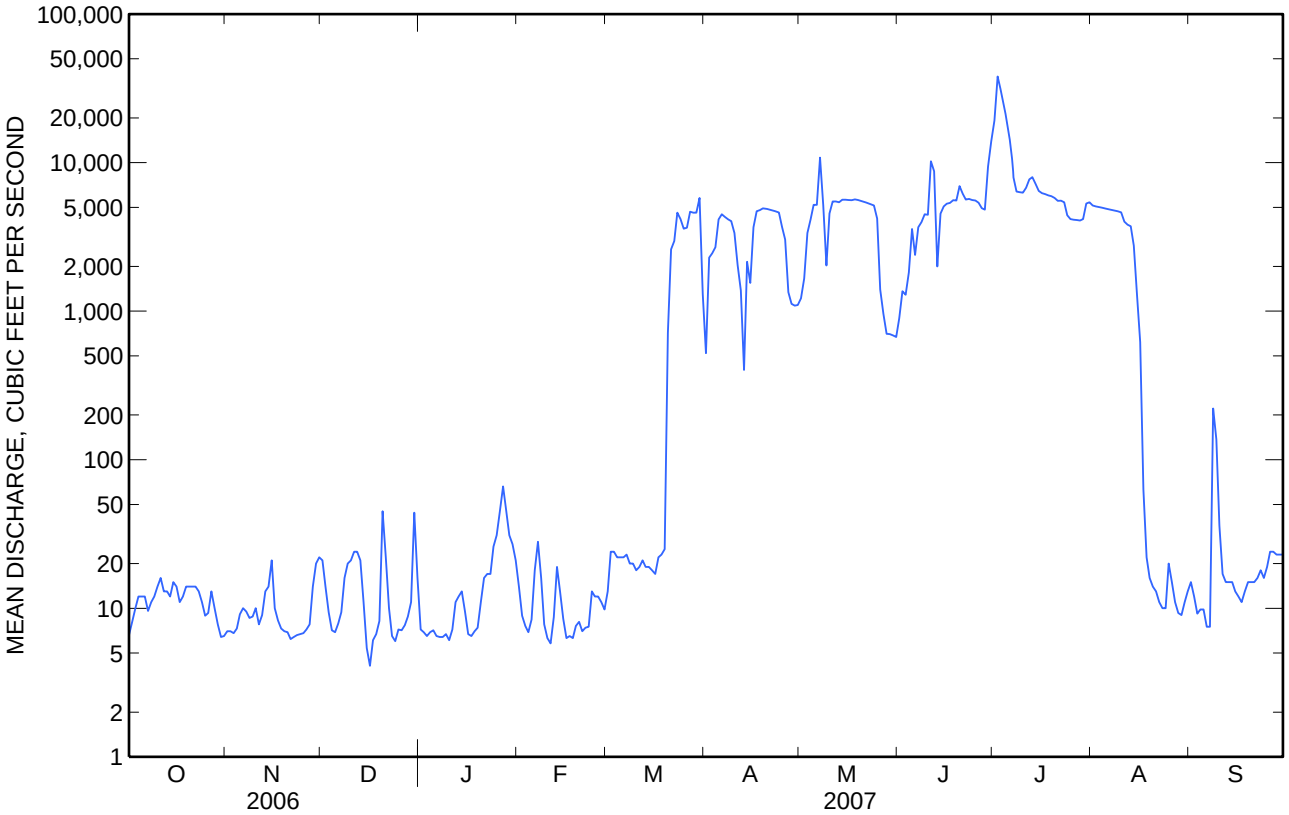
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1986 - 2007	
Annual total	113,959.7		778,160.3			
Annual mean	312		2,132		1,186	
Highest annual mean					2,888	1987
Lowest annual mean					43.7	1996
Highest daily mean	6,520	May 13	38,000	Jul 2	64,900	Oct 5, 1986
Lowest daily mean	3.6	Jan 14	4.1	Dec 16	0.00	Dec 30, 2001
Annual seven-day minimum	4.1	Jan 14	6.6	Jan 4	0.00	Dec 30, 2001
Maximum peak flow			39,400	Jul 2	94,500	Oct 4, 1986
Maximum peak stage			21.57	Jul 2	27.70	Oct 4, 1986
Annual runoff (ac-ft)	226,000		1,543,000		858,900	
10 percent exceeds	47		5,580		4,260	
50 percent exceeds	14		22		102	
90 percent exceeds	6.1		7.0		18