

Water-Data Report 2007

08183850 Cibolo Creek at Interstate Highway 10 above Boerne, TX

San Antonio Basin
Cibolo Subbasin

LOCATION.--Lat 29°48'52", long 98°45'12" referenced to North American Datum of 1927, Kendall County, TX, Hydrologic Unit 12100304, on right bank between westbound Interstate Highway 10 bridge and frontage road bridge, 600 ft downstream from Ranger Creek, 0.7 mi downstream from Boerne Lake, and 1.9 mi northwest of Boerne.

DRAINAGE AREA.--29.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1995 to Apr. 1996 (discharge measurements only), May 1996 to May 9, 2007 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,428.50 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since installation of gage in Oct. 1995, at least 10% of contributing drainage area has been regulated. No known diversions. No flow at times.

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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	0.14	0.22	0.34	0.02	0.68	0.94	74	20	---	---	---	---
2	0.13	0.17	0.26	0.04	0.69	0.82	60	28	---	---	---	---
3	0.15	0.14	0.19	0.89	0.68	0.77	52	40	---	---	---	---
4	0.16	0.19	0.22	1.0	0.78	0.67	46	29	---	---	---	---
5	0.17	0.18	0.19	0.59	0.88	0.82	39	24	---	---	---	---
6	0.15	0.24	0.24	0.20	0.92	0.88	35	22	---	---	---	---
7	0.16	0.28	0.25	0.19	0.89	0.94	34	20	---	---	---	---
8	0.10	0.47	0.19	0.17	0.72	0.97	40	17	---	---	---	---
9	0.12	0.41	0.20	0.17	0.69	1.0	34	17	---	---	---	---
10	1.1	0.41	0.28	0.19	0.75	1.1	32	---	---	---	---	---
11	0.14	0.40	0.24	0.22	0.78	8.4	29	---	---	---	---	---
12	0.25	0.45	0.17	0.26	0.99	40	26	---	---	---	---	---
13	0.26	0.68	0.20	27	1.0	26	25	---	---	---	---	---
14	0.32	0.72	0.11	1.8	0.83	9.2	28	---	---	---	---	---
15	0.37	0.83	0.12	23	0.79	6.3	20	---	---	---	---	---
16	0.40	0.83	0.16	2.3	0.89	8.0	17	---	---	---	---	---
17	0.55	0.98	0.19	e1.8	0.91	7.5	17	---	---	---	---	---
18	0.70	1.1	0.22	1.1	0.92	6.9	17	---	---	---	---	---
19	0.64	1.2	0.24	0.69	1.1	6.8	15	---	---	---	---	---
20	0.55	1.0	0.30	0.46	1.2	6.8	14	---	---	---	---	---
21	0.71	0.99	0.34	0.38	1.2	6.8	13	---	---	---	---	---
22	0.64	0.95	0.35	0.26	1.2	6.2	12	---	---	---	---	---
23	0.47	0.95	0.86	0.19	1.3	5.9	13	---	---	---	---	---
24	0.42	1.1	0.75	1.6	1.3	5.8	13	---	---	---	---	---
25	1.1	1.1	0.55	0.91	1.1	5.7	15	---	---	---	---	---
26	0.42	0.97	0.46	0.69	1.0	66	12	---	---	---	---	---
27	0.31	0.82	0.39	0.64	0.94	45	11	---	---	---	---	---
28	0.31	0.86	0.47	0.47	1.1	45	9.3	---	---	---	---	---
29	0.33	1.4	0.38	0.47	---	63	9.1	---	---	---	---	---
30	0.34	0.51	0.17	0.51	---	103	21	---	---	---	---	---
31	0.30	---	0.05	0.55	---	97	---	---	---	---	---	---
Total	11.91	20.55	9.08	68.76	26.23	584.21	782.4	---	---	---	---	---
Mean	0.38	0.69	0.29	2.22	0.94	18.8	26.1	---	---	---	---	---
Max	1.1	1.4	0.86	27	1.3	103	74	---	---	---	---	---
Min	0.10	0.14	0.05	0.02	0.68	0.67	9.1	---	---	---	---	---
Ac-ft	24	41	18	136	52	1,160	1,550	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.8	29.8	10.9	7.86	9.93	18.3	18.3	9.61	33.7	63.3	9.53	6.89
Max	35.4	161	32.0	18.4	22.4	73.8	57.9	29.0	313	608	44.5	29.0
(WY)	(2005)	(2005)	(2005)	(2005)	(2001)	(1998)	(2004)	(2004)	(1997)	(2002)	(2004)	(2001)
Min	0.24	0.30	0.08	0.12	0.47	0.12	0.10	0.88	0.44	0.07	0.18	0.06
(WY)	(1997)	(1997)	(2000)	(2000)	(2000)	(2006)	(2006)	(2000)	(2006)	(1996)	(2006)	(2000)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Years 1996 - 2007	
Annual total	153.74			
Annual mean	0.42		20.6	
Highest annual mean			66.2	2002
Lowest annual mean			0.45	2000
Highest daily mean	8.1	May 7	4,940	Jun 22, 1997
Lowest daily mean	0.00	Mar 15	0.00	Jul 23, 1996
Annual seven-day minimum	0.00	Apr 7	0.00	Aug 3, 1996
Maximum peak flow			ⁱ 20,100	Jun 22, 1997
Maximum peak stage			^a 20.82	Jun 22, 1997
Annual runoff (ac-ft)	305		14,940	
10 percent exceeds	0.84		32	
50 percent exceeds	0.27		4.6	
90 percent exceeds	0.02		0.20	

ⁱ From indirect measurement of peak flow.

^a From floodmark.

