

08171000 Blanco River at Wimberley, TX

Guadalupe Basin
San Marcos Subbasin

LOCATION.--Lat 29°59'39", long 98°05'19" referenced to North American Datum of 1927, Hays County, TX, Hydrologic Unit 12100203, on left bank at downstream side of highway, near left end of bridge on Ranch Road 12, 0.3 mi southeast of Wimberley, 2,200 ft downstream from Cypress Creek, and at mile 29.0.

DRAINAGE AREA.--355 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Aug. 1924 to Sept. 1926 (mean discharge and total run-off estimated from Oct. 1, 1925 to Feb. 28, 1926 and July 1, 1926 to Sept. 30, 1926), June 1928 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Apr. 1962 to Nov. 1966, Mar. 1970, Mar. 1973 to Aug. 1979, Feb. 1988 to Aug. 1993, Oct. 1995 to June 1998.

BIOCHEMICAL DATA: Apr. 1962 to Nov. 1966, Mar. 1970, Mar. 1973 to Aug. 1979, Feb. 1988 to Aug. 1993, Oct. 1995 to June 1998.

BIOLOGICAL DATA: Mar. 1970 to Mar. 1973, Aug. 1979, Feb. 1988 to Aug. 1993, Aug. 1995 to June 1998.

PESTICIDE DATA: Mar. 1970 to Mar. 1973, Aug. 1979, Feb. 1988 to Aug. 1993, Aug. 1995 to June 1998.

SEDIMENT CHEMISTRY DATA: Aug. 1995.

SEDIMENT DATA: Apr. 1996 to June 1998.

RADIOCHEMICAL DATA: Feb. 1998.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Jan. 1997 to Sept. 1998.

pH: Jan. 1997 to Sept. 1998.

WATER TEMPERATURE: Jan. 1997 to Sept. 1998.

DISSOLVED OXYGEN: Jan. 1997 to Sept. 1998.

REVISED RECORDS.--WSP 1562: 1929, 1930-31(M), 1935-36(M), 1938(M), 1941-42(M), 1947(M), 1949(M). WSP 2123: Drainage area, WDR TX-2005: 1972(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 797.23 ft above NGVD of 1929. Aug. 6, 1924 to Sept. 30, 1926, nonrecording gage at site 1,030 ft upstream at datum 5.00 ft higher. Recording gage from June 6, 1928 to June 12, 1975, at site 1,000 ft upstream at datum 5.00 ft higher. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. There are many small diversions above station. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1869 reached a stage of 25 ft, from information by local residents. Maximum stage since at least 1869, that of May 28, 1929.

PEAK DISCHARGES FOR CURRENT YEAR.—Maximum discharge, 125 ft³/s, Oct. 1, stage falling, peak occurred Sept. 26, 2010; peak discharges greater than base discharge of 1,800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 9	0500	*123	*4.10

08171000 Blanco River at Wimberley, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	125	78	65	57	52	42	34	22	15	12	9.4	8.6
2	121	79	66	56	48	40	34	21	15	12	9.3	8.9
3	117	78	68	56	48	41	34	21	15	11	8.9	8.2
4	114	78	67	56	49	42	33	21	15	11	8.9	7.6
5	112	77	65	55	49	41	31	21	15	11	8.8	7.3
6	110	77	64	54	48	39	30	21	15	11	8.8	7.1
7	107	76	63	54	47	39	31	20	14	11	8.6	8.0
8	105	80	62	54	46	39	31	20	14	11	8.3	8.3
9	103	76	62	82	49	38	30	20	14	10	8.2	7.8
10	101	76	62	60	46	37	29	20	13	10	8.5	8.1
11	99	76	62	56	46	36	28	20	13	11	9.1	8.8
12	98	74	60	54	46	37	26	28	13	11	9.1	8.3
13	96	72	60	54	45	38	27	24	12	9.9	9.0	8.3
14	92	73	61	55	46	41	26	21	12	10	9.8	8.3
15	90	75	61	64	46	37	26	20	12	10	9.4	8.1
16	89	75	60	67	46	37	25	20	12	10	8.9	8.6
17	88	72	60	61	46	37	24	20	12	10	8.9	10
18	87	71	58	60	45	36	25	20	12	11	8.9	13
19	86	71	58	58	46	36	25	20	11	14	8.9	11
20	85	71	58	58	47	36	25	21	11	17	8.7	9.2
21	84	72	58	56	46	38	25	21	11	12	8.6	8.9
22	85	71	58	56	46	36	24	20	21	10	8.9	8.9
23	84	71	57	56	45	35	23	18	16	10	8.9	8.8
24	86	71	65	55	46	37	23	18	13	9.2	9.0	8.9
25	84	71	60	54	45	35	23	17	13	9.9	11	8.7
26	86	70	56	53	44	35	23	17	12	9.4	9.4	8.3
27	83	73	57	52	45	36	22	16	12	9.4	9.4	8.3
28	80	69	59	52	43	34	21	17	12	9.2	8.6	8.2
29	79	69	61	53	---	34	21	16	11	9.4	8.3	9.1
30	79	67	59	53	---	34	22	15	11	10	8.3	22
31	79	---	58	51	---	34	---	15	---	10	8.3	---
Total	2,934	2,209	1,890	1,762	1,301	1,157	801	611	397	332.4	277.1	273.6
Mean	94.6	73.6	61.0	56.8	46.5	37.3	26.7	19.7	13.2	10.7	8.94	9.12
Max	125	80	68	82	52	42	34	28	21	17	11	22
Min	79	67	56	51	43	34	21	15	11	9.2	8.2	7.1
Ac-ft	5,820	4,380	3,750	3,490	2,580	2,290	1,590	1,210	787	659	550	543

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2011^h, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	116	132	125	125	163	161	173	205	220	146	56.9	89.1
Max	1,322	1,907	1,364	1,134	1,401	977	953	1,470	2,308	3,130	554	1,413
(WY)	(1999)	(2005)	(1992)	(1968)	(1992)	(1992)	(1957)	(1929)	(1997)	(2002)	(2007)	(1952)
Min	6.24	7.41	7.87	6.66	8.13	5.93	5.19	12.5	3.44	1.70	2.89	6.93
(WY)	(1941)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1956)	(1928)

08171000 Blanco River at Wimberley, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1924 - 2011 ^h	
Annual total	68,732		13,945.1			
Annual mean	188		38.2		142	
Highest annual mean					566	1992
Lowest annual mean					6.45	1956
Highest daily mean	2,580	Sep 8	^b 125	Oct 1	36,900	Sep 11, 1952
Lowest daily mean	43	Sep 2	7.1	Sep 6	0.70	Jul 17, 1956
Annual seven-day minimum	45	Aug 27	7.7	Sep 4	0.79	Aug 12, 1956
Maximum peak flow			123	Jan 9	ⁱ 113,000	May 28, 1929
Maximum peak stage			4.11	Oct 1	^a 33.30	May 28, 1929
Annual runoff (ac-ft)	136,300		27,660		103,100	
10 percent exceeds	368		78		288	
50 percent exceeds	110		34		54	
90 percent exceeds	59		8.9		12	

^h See Period of Record paragraph.

ⁱ From indirect measurement of peak flow.

^a From floodmark.

^b Occurred on recession from Sept. 26, 2010 peak.

