

08171300 Blanco River near Kyle, TX

Guadalupe Basin
San Marcos Subbasin

LOCATION.--Lat 29°58'45", long 97°54'35" referenced to North American Datum of 1927, Hays County, TX, Hydrologic Unit 12100203, on left bank 800 ft downstream from Tarbutton Ranch House (Hatchett Ranch), 2.2 mi southwest of Kyle, 4.2 mi downstream from Halifax Creek, and 6.3 mi upstream from bridge on U.S. Highway 81.

DRAINAGE AREA.--412 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1956 to current year.

PERIOD OF RECORD, Water-Quality.--
CHEMICAL DATA: July 1965.
BIOCHEMICAL DATA: July 1965.

REVISED RECORDS.--WSP 1923: 1957-58, 1960(M). WSP 2123: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 620.12 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Satellite telemeter at station.

REMARKS.--Records fair. No known regulation. Small diversions above station for irrigation. Most of the low flow of the Blanco River enters the Edwards and associated limestones in the Balcones Fault Zone which crosses the basin upstream from this station and below Blanco River at Wimberley (station 08171000). Some records listed in the "Period of Record" for surface water and water quality may not be available electronically. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1882, about 40 ft in May 1929, from information by local residents (discharge, 139,000 ft³/s). Flood of Sept. 11, 1952, reached a stage of 38.0 ft (discharge, 115,000 ft³/s).

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 25	2115	*5,030	*12.76

08171300 Blanco River near Kyle, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46	9.7	0.00	0.00
2	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55	8.0	0.00	0.00
3	7.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47	5.2	0.00	0.00
4	5.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64	4.9	0.00	0.00
5	4.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57	6.6	0.00	0.00
6	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46	5.6	0.00	0.00
7	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	3.9	0.00	0.00
8	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	3.2	0.00	0.00
9	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40	3.3	0.00	0.00
10	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39	3.2	0.00	0.00
11	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34	2.6	0.00	0.00
12	3.2	0.00	0.00	0.00	0.00	0.00	0.00	1.1	35	1.9	0.00	0.00
13	2.0	0.00	0.00	0.00	0.00	0.00	0.00	19	35	1.4	0.00	0.00
14	1.2	0.00	0.00	0.00	0.00	0.00	0.00	7.0	36	1.2	0.00	0.00
15	0.93	0.00	0.00	0.00	0.00	0.00	0.00	3.6	31	1.1	0.00	0.00
16	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.8	28	13	0.00	0.00
17	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.81	29	10	0.00	0.00
18	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.52	26	13	0.00	0.00
19	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.37	23	6.5	0.00	0.00
20	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.33	21	3.6	0.00	0.00
21	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.31	20	2.4	0.00	0.00
22	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.25	17	1.7	0.00	0.00
23	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.17	16	1.3	0.00	0.00
24	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.20	15	1.00	0.00	0.00
25	0.05	0.00	0.00	0.00	0.00	0.00	0.00	598	14	0.75	0.00	0.00
26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	867	12	0.49	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	230	12	0.35	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123	11	0.16	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	82	9.1	0.05	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	64	8.3	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	55	---	0.00	0.00	---
Total	61.00	0.00	0.00	0.00	0.00	0.00	0.00	2,054.46	910.4	116.11	0.00	0.00
Mean	1.97	0.00	0.00	0.00	0.00	0.00	0.00	66.3	30.3	3.75	0.00	0.00
Max	12	0.00	0.00	0.00	0.00	0.00	0.00	867	64	13	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.3	0.00	0.00	0.00
Ac-ft	121	0.00	0.00	0.00	0.00	0.00	0.00	4,080	1,810	230	0.00	0.00
Cfsm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.07	0.01	0.00	0.00
In.	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.08	0.01	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	139	168	151	144	187	177	169	211	268	169	50.5	59.0
Max	1,646	2,073	1,775	1,319	1,511	1,078	906	1,148	2,459	3,068	606	404
(WY)	(1999)	(2005)	(1992)	(1968)	(1992)	(1992)	(1977)	(1958)	(1997)	(2002)	(2007)	(2010)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1957)	(1990)	(2009)	(2000)	(2009)	(1956)	(1956)	(1956)	(1956)

08171300 Blanco River near Kyle, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1956 - 2013	
Annual total	17,919.14		3,141.97			
Annual mean	49.0		8.61		158	
Highest annual mean					625	1992
Lowest annual mean					0.95	2009
Highest daily mean	1,790	May 11	867	May 26	26,000	Oct 17, 1998
Lowest daily mean	0.00	Jan 1	0.00	Oct 27	0.00	May 29, 1956
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 27	0.00	May 29, 1956
Maximum peak flow			5,030	May 25	ⁱ 105,000	Oct 17, 1998
Maximum peak stage			12.76	May 25	^a 36.30	May 2, 1958
Annual runoff (ac-ft)	35,540		6,230		114,600	
Annual runoff (cfsm)	0.119		0.021		0.384	
Annual runoff (inches)	1.62		0.28		5.22	
10 percent exceeds	136		12		332	
50 percent exceeds	4.2		0.00		48	
90 percent exceeds	0.00		0.00		0.00	

ⁱ From indirect measurement of peak flow.

^a From floodmark.

