

**08198500 Sabinal River at Sabinal, TX**

Nueces Basin  
Upper Frio Subbasin

LOCATION.--Lat 29°18'51.5", long 99°28'49.7" referenced to North American Datum of 1983, Uvalde County, TX, Hydrologic Unit 12110106, on left bank 80 ft downstream from bridge on U.S. Highway 90, 1,100 ft downstream from Southern Pacific Lines railroad bridge, 0.8 mi west of Sabinal, 5.8 mi upstream from Rancho Creek, and 21.1 mi upstream from mouth.

DRAINAGE AREA.--241 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Sept. 1952 to current year.

REVISED RECORDS.--WDR TX-83-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 882.17 ft above NGVD of 1929. Prior to July 29, 1958, nonrecording gage, and July 29, 1958, to Mar. 19, 1964, water-stage recorder at site 80 ft upstream at same datum. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. Several small diversions for irrigation above station. Most of low flow of the Sabinal River enters the Edwards and associated limestones in the Balcones Fault Zone, which crosses the basin upstream from this station and downstream from Sabinal River near Sabinal (station 08198000). No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1890, 40 ft Aug. 24, 1919, from information by local residents. Flood of July 2, 1932, reached a stage of 31 ft (discharge, 60,000 ft<sup>3</sup>/s), from information by Southern Pacific Lines. Information indicates that a flood in 1858 covered the town site of Sabinal. The stage would have been 70 to 80 ft, which seems unlikely. However, it is possible that a flood occurred in 1858 that covered part of the town site and was higher than any flood since that date.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jun 22	0215	*1.90	*3.04

## 08198500 Sabinal River at Sabinal, 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	1.4	0.25	0.54	0.53	0.76	0.35	0.14	0.01	0.03	0.06	0.00	0.00
2	1.4	0.24	0.57	0.46	0.78	0.34	0.13	0.01	0.04	0.07	0.00	0.00
3	1.5	0.24	0.59	0.46	0.76	0.34	0.13	0.01	0.06	0.07	0.00	0.00
4	1.4	0.30	0.65	0.44	0.73	0.37	0.11	0.01	0.03	0.06	0.00	0.00
5	1.5	0.28	0.67	0.45	0.66	0.37	0.10	0.01	0.01	0.06	0.00	0.00
6	1.5	0.26	0.61	0.51	0.62	0.35	0.09	0.01	0.01	0.05	0.00	0.00
7	1.5	0.27	0.58	0.50	0.66	0.37	0.09	0.01	0.01	0.05	0.00	0.00
8	1.5	0.32	0.58	0.50	0.66	0.34	0.10	0.01	0.01	0.03	0.00	0.00
9	1.5	0.29	0.59	0.67	0.62	0.40	0.10	0.01	0.01	0.02	0.00	0.00
10	1.5	0.29	0.60	0.76	0.57	0.33	0.10	0.01	0.00	0.02	0.00	0.00
11	1.4	0.36	0.61	0.79	0.56	0.29	0.08	0.01	0.00	0.02	0.00	0.00
12	1.3	0.48	0.62	0.65	0.56	0.33	0.05	0.27	0.00	0.01	0.00	0.00
13	1.1	0.48	0.60	0.62	0.56	0.39	0.03	0.17	0.00	0.01	0.00	0.00
14	1.0	0.50	0.62	0.62	0.55	0.34	0.02	0.14	0.00	0.01	0.00	0.00
15	0.84	0.50	0.66	0.67	0.63	0.32	0.02	0.13	0.00	0.01	0.00	0.00
16	0.73	0.43	0.68	0.68	0.75	0.35	0.02	0.14	0.00	0.01	0.00	0.00
17	0.75	0.45	0.71	0.71	0.84	0.33	0.03	0.13	0.00	0.01	0.00	0.00
18	0.71	0.43	0.69	0.67	0.82	0.34	0.03	0.11	0.00	0.01	0.00	0.00
19	0.60	0.43	0.72	0.61	0.73	0.38	0.03	0.10	0.00	0.01	0.00	0.00
20	0.58	0.45	0.74	0.58	0.60	0.37	0.02	0.09	0.00	0.01	0.00	0.00
21	0.57	0.48	0.71	0.53	0.62	0.27	0.02	0.10	0.00	0.01	0.00	0.00
22	0.56	0.51	0.67	0.53	0.49	0.23	0.02	0.10	0.51	0.01	0.00	0.00
23	0.52	0.52	0.71	0.51	0.43	0.23	0.02	0.10	0.10	0.01	0.00	0.00
24	0.51	0.57	0.83	0.48	0.45	0.25	0.02	0.10	0.08	0.01	0.00	0.00
25	0.44	0.62	0.81	0.43	0.44	0.25	0.02	0.09	0.08	0.00	0.00	0.00
26	0.37	0.65	0.83	0.41	0.47	0.26	0.02	0.08	0.07	0.00	0.00	0.00
27	0.37	0.61	0.78	0.41	0.50	0.28	0.02	0.07	0.06	0.00	0.00	0.00
28	0.34	0.60	0.78	0.41	0.42	0.24	0.01	0.06	0.05	0.00	0.00	0.00
29	0.28	0.61	0.75	0.41	---	0.22	0.01	0.05	0.06	0.00	0.00	0.00
30	0.26	0.54	0.68	0.46	---	0.20	0.01	0.04	0.05	0.00	0.00	0.00
31	0.25	---	0.64	0.68	---	0.18	---	0.03	---	0.00	0.00	---
<b>Total</b>	28.18	12.96	20.82	17.14	17.24	9.61	1.59	2.21	1.27	0.64	0.00	0.00
<b>Mean</b>	0.91	0.43	0.67	0.55	0.62	0.31	0.05	0.07	0.04	0.02	0.00	0.00
<b>Max</b>	1.5	0.65	0.83	0.79	0.84	0.40	0.14	0.27	0.51	0.07	0.00	0.00
<b>Min</b>	0.25	0.24	0.54	0.41	0.42	0.18	0.01	0.01	0.00	0.00	0.00	0.00
<b>Ac-ft</b>	56	26	41	34	34	19	3.2	4.4	2.5	1.3	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	31.8	20.5	16.9	13.0	17.4	21.7	26.3	29.9	97.6	98.1	32.9	20.5
<b>Max</b>	261	247	498	292	510	535	349	427	1,493	2,333	709	210
<b>(WY)</b>	(1970)	(2001)	(1992)	(1992)	(1992)	(1992)	(1992)	(1987)	(1987)	(2002)	(1971)	(1958)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1953)	(1953)	(1953)	(1953)	(1953)	(1956)	(1956)	(1953)	(1953)	(1953)	(1962)	(1962)

08198500 Sabinal River at Sabinal, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1952 - 2011
<b>Annual total</b>	5,120.48	111.66	
<b>Annual mean</b>	14.0	0.31	35.7
<b>Highest annual mean</b>			265 1992
<b>Lowest annual mean</b>			0.07 1963
<b>Highest daily mean</b>	2,630 Apr 16	1.5 Oct 3	22,900 Jul 5, 2002
<b>Lowest daily mean</b>	0.24 Nov 2	0.00 Jun 10	0.00 Sep 5, 1952
<b>Annual seven-day minimum</b>	0.26 Oct 29	0.00 Jun 10	0.00 Sep 19, 1952
<b>Maximum peak flow</b>		1.9 Jun 22	119,000 Jul 2, 2002
<b>Maximum peak stage</b>		3.11 Feb 17	<sup>a</sup> 39.00 Jul 2, 2002
<b>Annual runoff (ac-ft)</b>	10,160	221	25,840
<b>10 percent exceeds</b>	3.3	0.71	38
<b>50 percent exceeds</b>	1.1	0.20	1.6
<b>90 percent exceeds</b>	0.51	0.00	0.10

<sup>a</sup> From floodmark.

