

08017300 South Fork Sabine River near Quinlan, TX

Sabine Basin
Upper Sabine Subbasin

LOCATION.--Lat 32°53'52", long 96°15'11" referenced to North American Datum of 1927, Hunt County, TX, Hydrologic Unit 12010001, on right bank at downstream side of bridge on Farm Road 1565, 2.4 mi upstream from Dry Creek, 6.2 mi upstream from Bearpen Creek, 7.0 mi southwest of Quinlan, and 25.0 mi upstream from mouth.

DRAINAGE AREA.--78.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Feb. 1959 to current year.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 461.40 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good. Some records listed in the Period of Record for surface water may not be available electronically. No known regulation or diversions. Wastewater effluent is discharged at various periods during the water year by Royse City located approximately 10.0 mi above this station. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1890, 21 ft July 29, 1902, from information by local resident. Flood of Apr. 27, 1957, reached a stage of 17.76 ft, from floodmarks.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 12	1530	*980	*15.54

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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	1.1	3.4	2.6	28	15	16	2.1	1.8	1.9	1.2	0.68	0.42
2	1.0	51	1.5	8.6	37	7.1	2.1	155	1.9	1.2	0.68	0.47
3	0.97	646	1.2	3.4	13	5.1	2.1	327	2.0	1.2	0.66	0.56
4	1.0	242	1.6	2.4	4.9	4.6	96	41	2.0	1.2	0.65	0.67
5	0.95	27	1.6	1.9	4.4	3.4	53	13	1.6	1.2	0.64	0.71
6	0.90	4.9	1.5	1.6	81	3.1	13	4.9	1.7	1.2	0.67	0.75
7	0.93	2.1	1.5	1.4	142	3.1	4.6	2.8	1.6	1.2	0.68	0.73
8	0.97	1.4	1.4	1.3	66	3.0	3.2	2.2	1.5	1.1	0.67	0.64
9	0.95	1.0	1.4	117	38	3.7	2.6	1.9	1.6	1.1	0.68	0.85
10	0.96	0.98	1.3	253	27	3.6	2.2	1.8	1.6	1.2	0.21	0.72
11	1.1	1.5	1.3	114	15	3.0	219	28	1.5	1.1	0.29	0.75
12	1.6	23	1.2	52	7.4	2.9	73	814	1.6	1.0	0.71	0.77
13	1.4	149	1.5	29	5.1	2.9	14	184	1.6	0.96	0.79	0.98
14	1.0	25	1.6	14	4.3	2.8	5.4	24	1.5	0.96	0.81	0.97
15	1.1	5.6	1.6	7.3	3.6	2.7	73	8.4	1.4	0.94	0.63	1.3
16	1.00	2.6	1.7	43	2.9	2.7	26	4.4	1.4	0.90	0.62	1.2
17	0.92	1.8	1.5	92	2.9	2.7	7.1	3.1	1.4	1.0	0.62	1.4
18	0.92	1.2	1.5	57	2.7	2.7	3.5	2.7	1.4	1.0	0.62	1.5
19	1.2	1.1	1.5	31	2.5	2.7	2.6	2.4	1.5	1.1	0.71	2.1
20	0.80	1.0	1.5	15	2.2	2.5	3.5	3.1	1.4	1.0	0.69	2.2
21	0.82	1.2	1.6	7.6	2.0	2.4	2.9	81	13	0.95	0.70	1.5
22	0.89	1.3	1.5	4.7	2.0	2.5	2.5	21	154	1.1	0.83	1.4
23	1.1	1.2	1.5	3.9	2.2	2.4	2.1	7.5	36	0.98	0.87	1.4
24	61	1.2	1.6	3.5	182	2.2	1.9	5.2	5.9	0.76	0.72	1.3
25	16	1.5	17	2.7	288	2.1	6.6	687	2.4	0.69	0.76	1.1
26	4.0	1.6	3.8	1.9	59	2.1	6.2	134	1.7	0.74	0.82	1.2
27	1.9	1.8	2.4	2.2	37	1.9	9.9	21	1.5	0.71	0.76	1.3
28	1.6	1.5	2.1	2.4	28	2.0	7.0	6.9	1.4	0.71	0.64	1.2
29	2.1	4.3	175	2.5	---	2.1	2.8	3.6	1.3	0.67	0.62	1.2
30	2.2	19	146	2.2	---	2.1	2.0	2.3	1.2	0.73	0.68	1.1
31	2.9	---	54	2.2	---	2.0	---	2.0	---	0.75	0.55	---
Total	115.28	1,226.18	437.0	908.7	1,077.1	104.1	651.9	2,597.0	250.5	30.55	20.66	32.39
Mean	3.72	40.9	14.1	29.3	38.5	3.36	21.7	83.8	8.35	0.99	0.67	1.08
Max	61	646	175	253	288	16	219	814	154	1.2	0.87	2.2
Min	0.80	0.98	1.2	1.3	2.0	1.9	1.9	1.8	1.2	0.67	0.21	0.42
Ac-ft	229	2,430	867	1,800	2,140	206	1,290	5,150	497	61	41	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	96.7	64.0	107	65.8	114	119	106	140	85.6	25.1	5.05	22.4
Max	656	655	562	335	556	585	693	674	1,128	490	96.8	353
(WY)	(1982)	(1995)	(2002)	(2010)	(1983)	(2008)	(1966)	(1979)	(1981)	(1981)	(1974)	(1974)
Min	0.00	0.00	0.00	0.00	0.00	0.11	0.06	0.04	0.00	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1976)	(1976)	(1972)	(1971)	(1988)	(2006)	(1964)	(1965)	(1963)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1959 - 2011	
Annual total	25,680.40		7,451.36			
Annual mean	70.4		20.4		79.0	
Highest annual mean					187	1995
Lowest annual mean					3.29	1996
Highest daily mean	7,640	Jan 29	814	May 12	13,300	Jun 16, 1981
Lowest daily mean	0.65	Sep 6	0.21	Aug 10	0.00	Oct 21, 1959
Annual seven-day minimum	0.76	Sep 1	0.55	Aug 5	0.00	Oct 21, 1959
Maximum peak flow			980	May 12	23,000	Jun 16, 1981
Maximum peak stage			15.54	May 12	18.77	Apr 5, 1986
Annual runoff (ac-ft)	50,940		14,780		57,240	
10 percent exceeds	72		37		59	
50 percent exceeds	2.1		1.9		0.87	
90 percent exceeds	1.00		0.73		0.00	

