

**08018500 Sabine River near Mineola, TX**

Sabine Basin  
Upper Sabine Subbasin

LOCATION.--Lat 32°36'49", long 95°29'08" referenced to North American Datum of 1927, Wood County, TX, Hydrologic Unit 12010001, on left bank at downstream side of highway embankment, 3 ft downstream from left end of bridge on U.S. Highway 69, 3.5 mi south of Mineola, 4.5 mi upstream from Missouri Pacific Railway Lines bridge, 16.2 mi upstream from Lake Fork Creek, and at mile 461.1.

DRAINAGE AREA.--1,357 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 1939 to Sept. 1959, Oct. 1967 to current year. Gage-height records collected at this site since July 1946 are contained in reports published by the National Weather Service.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Oct. 1967 to Oct. 1996.

BIOCHEMICAL DATA: Oct. 1973 to Oct. 1996.

PESTICIDE DATA: Aug. 1985.

RADIOCHEMICAL DATA: Mar. to June 1981.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Oct. 1967 to Sept. 1991.

WATER TEMPERATURE: Oct. 1967 to Sept. 1991.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 304.16 ft above NGVD of 1929. May 12, 1939 to Dec. 11, 1955, at site 55 ft upstream from downstream side of bridge at same datum. Dec. 12, 1955 to Dec. 12, 1959, at downstream side of bridge at same datum. Oct. 1, 1967 to Sept. 12, 1968, nonrecording gage at downstream side of bridge at same datum. Sept. 13, 1968 to Oct. 23, 1974, water-stage recorder at downstream side of bridge at same datum. Oct. 24, 1974 to Oct. 16, 1975, at site on right bank 75 ft downstream from bridge at same datum. Satellite telemeter at station.

REMARKS.--Records good except those for July to Sept., which are fair. Some records listed in the Period of Record for surface water and water quality may not be available electronically. Since Oct. 1960, at least 10% of contributing drainage area has been regulated. Flow may also be slightly affected at times by discharge from floodwater-retarding structures controlling runoff from a 9.70 mi<sup>2</sup> area in the Mill Creek drainage basin.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--20 years (water years 1940-1959) prior to regulation by Lake Tawakoni, 1,054 ft<sup>3</sup>/s (763,600 acre-ft/yr).

EXTREMES FOR PERIOD PRIOR TO REGULATION.--WATER YEARS 1940-1959: Maximum discharge 76,000 ft<sup>3</sup>/s Apr. 1, 1945 (gage height, 24.00 ft); maximum gage height, 24.37 ft June 8, 1943; no flow at times.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.5	6.4	18	51	57	109	18	29	10	4.9	e5.1	4.6
2	7.6	6.3	14	40	215	102	17	25	8.2	4.9	e4.7	4.6
3	6.2	20	14	36	248	92	17	23	6.8	5.1	e4.7	4.3
4	5.3	29	21	31	203	78	27	22	7.0	5.0	e4.0	3.7
5	5.0	32	20	28	133	63	52	19	6.3	4.8	e2.9	3.0
6	5.1	49	17	24	111	52	63	19	7.8	4.8	e1.6	2.7
7	5.6	42	14	20	115	44	47	18	5.4	4.8	e2.8	2.3
8	5.5	28	13	19	119	43	38	15	4.8	4.8	e4.4	2.2
9	6.1	20	12	31	145	49	30	16	4.6	4.7	e3.8	2.2
10	6.2	15	12	55	130	45	23	13	4.8	4.4	3.7	2.2
11	11	12	15	61	96	38	20	12	5.0	4.1	3.6	2.1
12	24	12	15	55	76	37	21	25	4.9	3.8	3.5	2.0
13	29	21	14	63	63	33	20	25	4.7	3.5	3.2	2.2
14	35	13	15	59	54	39	17	23	4.3	3.4	2.8	2.8
15	21	10	15	49	51	37	16	21	4.1	3.8	2.5	3.1
16	13	13	17	139	52	30	43	30	4.1	4.2	2.8	3.0
17	9.5	13	21	455	47	28	264	28	4.1	4.1	3.2	2.9
18	7.4	8.5	20	574	43	26	174	25	4.1	3.8	3.5	3.0
19	6.3	8.4	16	577	37	26	77	16	3.9	3.7	4.4	4.0
20	5.9	8.8	16	276	37	24	42	14	3.8	4.0	4.9	3.6
21	5.6	9.6	18	128	36	26	26	17	3.8	4.2	4.7	3.4
22	5.2	11	21	83	33	25	19	14	4.4	4.3	4.5	3.8
23	6.9	14	16	66	32	22	15	48	5.2	4.2	4.4	4.1
24	26	13	16	59	34	21	13	85	4.7	4.0	4.8	4.8
25	28	12	29	49	47	22	16	56	4.5	3.8	4.8	5.1
26	14	10	25	42	46	19	28	33	4.9	4.2	4.8	4.8
27	8.6	9.1	24	38	54	17	57	22	5.6	4.3	4.9	4.3
28	17	9.5	26	35	105	15	60	49	5.5	e4.9	5.0	3.8
29	16	14	34	33	---	16	37	41	5.5	e5.6	5.0	3.4
30	12	20	44	32	---	18	38	23	5.3	e5.2	4.9	3.0
31	8.9	---	52	33	---	17	---	14	---	e4.5	4.7	---
<b>Total</b>	372.4	489.6	624	3,241	2,419	1,213	1,335	820	158.1	135.8	124.6	101.0
<b>Mean</b>	12.0	16.3	20.1	105	86.4	39.1	44.5	26.5	5.27	4.38	4.02	3.37
<b>Max</b>	35	49	52	577	248	109	264	85	10	5.6	5.1	5.1
<b>Min</b>	5.0	6.3	12	19	32	15	13	12	3.8	3.4	1.6	2.0
<b>Ac-ft</b>	739	971	1,240	6,430	4,800	2,410	2,650	1,630	314	269	247	200

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2011<sup>Z</sup>, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	382	709	1,081	879	1,331	1,611	1,223	1,610	858	351	56.7	74.5
<b>Max</b>	5,805	5,296	5,873	4,097	5,685	6,885	4,086	6,934	4,083	6,133	419	616
<b>(WY)</b>	(2010)	(1975)	(1992)	(1998)	(2010)	(2001)	(1990)	(1968)	(1973)	(2007)	(1979)	(1974)
<b>Min</b>	3.42	8.43	10.9	26.2	20.3	28.0	31.8	24.0	5.27	4.38	0.07	0.05
<b>(WY)</b>	(1988)	(2006)	(1990)	(2000)	(1996)	(1996)	(1971)	(2005)	(2011)	(2011)	(1987)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1968 - 2011 <sup>Z</sup>	
<b>Annual total</b>	296,101.3		11,033.5			
<b>Annual mean</b>	811		30.2		845	
<b>Highest annual mean</b>					1,904	1968
<b>Lowest annual mean</b>					29.8	1996
<b>Highest daily mean</b>	8,750	Feb 6	577	Jan 19	36,200	Dec 11, 1971
<b>Lowest daily mean</b>	3.8	Sep 23	1.6	Aug 6	0.00	Aug 13, 1970
<b>Annual seven-day minimum</b>	4.9	Sep 19	2.2	Sep 7	0.00	Sep 15, 1971
<b>Maximum peak flow</b>			651	Jan 19	37,700	Dec 11, 1971
<b>Maximum peak stage</b>			8.15	Jan 19	21.53	Dec 11, 1971
<b>Annual runoff (ac-ft)</b>	587,300		21,880		612,000	
<b>10 percent exceeds</b>	2,450		58		2,570	
<b>50 percent exceeds</b>	34		15		105	
<b>90 percent exceeds</b>	6.5		3.8		8.0	

<sup>Z</sup> Period of regulated streamflow.

