

08208000 Atascosa River at Whitsett, TX

Nueces Basin
Lower Nueces Subbasin

LOCATION.--Lat 28°37'19", long 98°16'52" referenced to North American Datum of 1927, Live Oak County, TX, Hydrologic Unit 12110111, on right bank at downstream side of bridge on Farm Road 99, 1.1 mi southwest of Whitsett, 4.2 mi downstream from La Parita Creek, and 12.9 mi upstream from mouth.

DRAINAGE AREA.--1,171 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Sept. 1924 to May 1926 (monthly discharge only), May 1932 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Jan. 1964 to Feb. 1968.

BIOCHEMICAL DATA: Jan. 1964 to Jan. 1968.

SEDIMENT DATA: Oct. 1976 to Dec. 1977, May 1980.

REVISED RECORDS.--WDR US-2009: 1935(M); 1942(M).

GAGE.--Water-stage recorder. Datum of gage is 159.04 ft above NGVD of 1929. Prior to May 8, 1926, nonrecording gage at bridge destroyed in 1956 at site 200 ft downstream at 1.38 ft higher datum. May 21, 1932, to Feb. 16, 1983, water-stage recorder at site 1,000 ft upstream at same datum. Satellite telemeter at station.

REMARKS.--Records good. Considerable loss of flow into various permeable formations occurs upstream from this station. The Campbellton water wells discharge into the Atascosa River 12.0 mi upstream from this station to supplement streamflow during dry periods. No known regulation. There are several small diversions above station. 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 1881, that of Sept. 1919, stage of 41 ft (discharge 106,000 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)
Jan 17	0700	*268	*6.46

08208000 Atascosa River at Whitsett, TX—Continued

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	8.7	2.3	5.9	6.2	9.1	9.3	7.1	1.5	0.97	1.3	0.56	0.26
2	7.8	3.1	5.7	6.0	7.8	8.9	6.8	1.4	0.98	1.3	0.53	0.26
3	7.4	4.6	5.5	6.0	6.6	8.9	6.6	1.4	0.97	1.2	0.50	0.26
4	6.7	3.6	5.5	6.1	6.8	9.6	6.1	1.4	0.98	1.2	0.52	0.21
5	6.6	3.0	5.4	6.3	7.3	9.5	5.4	1.3	0.95	1.1	0.49	0.16
6	6.2	2.6	5.4	6.4	6.6	7.9	5.0	1.4	1.2	0.96	0.44	0.14
7	5.8	3.0	5.4	6.1	5.8	7.8	4.8	1.4	1.4	0.91	0.42	0.20
8	5.4	3.9	5.5	5.9	5.7	7.9	4.6	1.5	1.4	0.91	0.40	0.24
9	5.2	3.8	5.5	14	5.8	8.1	4.4	1.3	1.3	0.86	0.42	0.20
10	5.1	3.7	5.6	28	5.8	8.5	3.2	1.2	1.3	0.82	0.41	0.09
11	5.0	3.6	5.8	26	5.9	8.5	2.4	1.3	1.2	0.79	0.43	0.11
12	4.8	3.8	e5.7	21	5.9	7.3	1.9	1.6	1.2	0.72	0.46	0.34
13	4.2	21	5.6	16	6.0	7.6	2.0	2.2	1.1	0.64	0.40	0.42
14	3.9	20	5.5	15	5.4	7.6	2.7	2.3	1.0	0.64	0.40	0.48
15	3.9	16	5.6	16	5.7	7.4	2.8	2.2	1.0	0.59	0.50	0.49
16	3.7	13	5.6	150	5.6	7.3	2.6	1.6	1.1	0.58	0.53	0.52
17	3.4	14	5.7	232	5.3	7.1	2.4	1.4	1.2	0.58	0.49	0.60
18	3.3	12	5.7	118	5.5	7.1	2.4	1.3	1.2	0.59	0.46	51
19	3.3	11	5.7	47	6.5	7.3	2.4	1.5	1.2	0.61	0.44	67
20	3.2	9.7	5.8	28	6.7	7.7	2.4	1.7	1.1	0.61	0.42	22
21	3.1	7.8	6.1	23	6.9	7.9	2.4	1.6	0.94	0.64	0.41	17
22	3.0	6.9	6.4	16	6.0	8.3	2.3	1.5	3.0	0.65	0.41	7.4
23	2.9	6.7	6.4	13	6.6	7.9	2.2	1.5	3.6	0.67	0.43	3.3
24	2.9	6.4	6.5	12	11	7.0	2.0	1.4	18	0.65	0.42	2.0
25	2.9	6.5	6.3	12	11	6.3	1.9	1.3	7.1	0.59	0.43	1.1
26	2.8	6.0	6.0	12	10	6.2	1.9	1.3	3.1	0.55	0.44	0.84
27	2.8	5.7	5.9	15	9.9	6.1	1.8	1.2	1.9	0.49	0.45	0.68
28	2.7	5.8	6.0	13	9.8	5.8	1.6	1.2	1.3	0.52	0.45	0.55
29	2.5	6.1	6.1	11	---	5.5	1.5	1.1	1.1	0.46	0.40	0.52
30	2.3	6.1	6.5	11	---	5.5	1.4	1.1	1.1	0.49	0.32	0.55
31	2.3	---	6.6	10	---	6.6	---	1.0	---	0.52	0.27	---
Total	133.8	221.7	180.9	908.0	197.0	234.4	97.0	45.1	63.89	23.14	13.65	178.92
Mean	4.32	7.39	5.84	29.3	7.04	7.56	3.23	1.45	2.13	0.75	0.44	5.96
Max	8.7	21	6.6	232	11	9.6	7.1	2.3	18	1.3	0.56	67
Min	2.3	2.3	5.4	5.9	5.3	5.5	1.4	1.0	0.94	0.46	0.27	0.09
Ac-ft	265	440	359	1,800	391	465	192	89	127	46	27	355

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	68.3	56.4	75.5	89.1	46.2	145	203	224	173	69.0	237
Max	926	780	1,060	2,053	1,590	963	2,298	1,365	3,445	2,908	1,207	5,006
(WY)	(2003)	(2003)	(1992)	(1968)	(1992)	(2007)	(1977)	(1957)	(1935)	(2007)	(1946)	(1967)
Min	0.05	0.21	0.19	1.52	1.57	1.51	0.57	0.00	0.00	0.00	0.00	0.00
(WY)	(1989)	(1989)	(1989)	(1996)	(1990)	(1996)	(1996)	(1996)	(1989)	(1998)	(1954)	(1997)

08208000 Atascosa River at Whitsett, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1932 - 2011	
Annual total	54,478.6		2,297.50			
Annual mean	149		6.29		124	
Highest annual mean					472	1935
Lowest annual mean					2.29	1989
Highest daily mean	4,590	Apr 19	232	Jan 17	65,000	Sep 23, 1967
Lowest daily mean	2.3	Oct 30	0.09	Sep 10	0.00	Jun 11, 1934
Annual seven-day minimum	2.5	Oct 26	0.16	Sep 5	0.00	Jun 11, 1934
Maximum peak flow			268	Jan 17	ⁱ 121,000	Sep 23, 1967
Maximum peak stage			6.46	Jan 17	^a 41.30	Sep 23, 1967
Annual runoff (ac-ft)	108,100		4,560		90,130	
10 percent exceeds	186		10		96	
50 percent exceeds	21		3.3		11	
90 percent exceeds	4.2		0.46		1.0	

ⁱ From indirect measurement of peak flow.

^a From floodmark.

