



Water-Data Report 2011

08175000 Sandies Creek near Westhoff, TX

Guadalupe Basin
Middle Guadalupe Subbasin

LOCATION.--Lat 29°12'54", long 97°26'57" referenced to North American Datum of 1927, De Witt County, TX, Hydrologic Unit 12100202, on left bank 100 ft downstream from bridge on CR 148, 1.9 mi upstream from Birds Creek, 2.0 mi northeast of Westhoff, and 20.4 mi upstream from mouth.

DRAINAGE AREA.--549 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Mar. 1930 to Nov. 1934, Aug. 1959 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Apr. 1962 to Sept. 1999.

BIOCHEMICAL DATA: Apr. 1962 to Sept. 1973.

PESTICIDE DATA: Oct. 1992 to July 1999.

RADIOCHEMICAL DATA: Feb. 1981 to June 1981.

SEDIMENT DATA: Nov. 1965 to May 1966.

REVISED RECORDS.--WSP 2123: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.27 ft above NGVD of 1929. Prior to Nov. 9, 1934, water-stage recorder at site 150 ft upstream at datum 0.86 ft higher. Aug. 10, 1959 to Feb. 2, 1960, nonrecording gage at present site and datum. Satellite telemeter at station.

REMARKS.--Records good. No known regulation or diversions. 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 discharge since at least 1864, 92,700 ft³/s, July 2, 1936 (gage height, 33.1 ft, from floodmarks), on basis of computation of peak flow, at present site and datum. Flood in Oct. 1913 reached a stage of 26.0 ft, present site and datum, from information by local residents.

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	2100	*194	*6.11

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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	3.4	2.5	3.2	6.6	5.5	4.4	3.1	1.1	1.0	1.1	0.20	0.12
2	3.3	3.0	3.2	6.6	4.8	4.4	2.9	1.2	0.96	1.0	0.19	0.16
3	3.0	3.3	3.7	6.8	4.5	4.8	3.0	1.6	0.87	0.80	0.20	0.11
4	2.9	2.9	3.9	7.2	4.5	4.6	2.9	1.5	0.82	0.66	0.19	0.13
5	2.8	3.2	3.8	7.2	4.3	4.3	2.6	1.3	0.74	0.56	0.16	0.10
6	2.8	3.6	3.8	6.4	4.1	4.0	2.5	1.1	0.71	0.57	0.16	0.16
7	2.5	3.2	3.9	6.3	4.0	4.0	2.5	0.98	0.70	0.55	0.18	0.22
8	2.3	3.0	4.0	6.1	4.2	4.4	2.3	1.0	0.69	0.46	0.19	0.22
9	2.3	2.9	4.1	27	4.5	4.5	2.0	1.1	0.62	0.42	0.16	0.19
10	2.1	2.8	4.3	25	4.3	4.3	1.6	1.1	0.56	0.41	0.18	0.17
11	1.9	2.8	4.7	47	4.2	4.2	1.5	0.97	0.59	0.44	0.24	0.22
12	2.2	3.0	4.5	36	4.3	4.0	1.5	0.93	0.67	0.47	0.26	0.24
13	2.2	6.9	4.6	23	4.4	4.2	1.5	1.1	0.62	0.45	0.22	0.28
14	2.1	4.2	4.4	17	4.7	4.2	1.6	0.99	0.73	0.40	0.21	0.31
15	2.0	3.4	4.8	16	4.9	4.0	1.5	1.4	0.63	0.43	0.19	0.33
16	1.9	3.2	5.0	59	5.0	4.1	1.2	1.5	0.63	0.68	0.18	0.39
17	2.0	3.3	5.0	125	4.9	4.2	1.1	1.5	0.57	0.75	0.12	0.34
18	2.2	3.3	4.6	150	5.1	4.2	1.2	1.6	0.56	0.67	0.10	0.43
19	2.2	3.3	4.8	81	5.1	4.0	1.4	1.5	0.41	0.61	0.08	0.30
20	2.3	3.3	5.7	45	5.0	4.0	1.4	1.3	0.35	0.72	0.08	0.25
21	2.5	3.4	6.0	27	4.8	3.9	1.3	1.0	0.38	0.67	0.08	0.26
22	2.6	3.5	5.9	21	5.1	3.9	1.3	0.94	6.2	0.58	0.08	0.28
23	2.8	3.5	5.8	17	5.3	3.8	1.3	0.82	18	0.57	0.09	0.28
24	2.9	3.4	6.0	12	5.4	3.6	1.3	0.74	48	0.56	0.09	0.22
25	2.8	3.3	6.6	8.9	5.0	3.6	1.2	0.71	29	0.46	0.14	0.21
26	2.9	3.2	5.7	7.7	5.0	3.4	1.2	0.73	16	0.63	0.14	0.22
27	2.7	3.1	6.4	6.9	4.9	3.3	1.0	0.77	8.3	0.52	0.16	0.24
28	2.6	3.2	7.7	6.4	4.7	3.4	0.87	0.55	4.3	0.43	0.14	0.23
29	2.3	3.4	7.9	6.4	---	3.4	0.83	0.60	2.3	0.33	0.10	0.28
30	2.2	3.2	7.5	6.3	---	3.3	0.95	1.0	1.5	0.30	0.03	0.11
31	2.3	---	7.3	5.9	---	3.2	---	1.1	---	0.35	0.05	---
Total	77.0	100.3	158.8	829.7	132.5	123.6	50.55	33.73	147.41	17.55	4.59	7.00
Mean	2.48	3.34	5.12	26.8	4.73	3.99	1.69	1.09	4.91	0.57	0.15	0.23
Max	3.4	6.9	7.9	150	5.5	4.8	3.1	1.6	48	1.1	0.26	0.43
Min	1.9	2.5	3.2	5.9	4.0	3.2	0.83	0.55	0.35	0.30	0.03	0.10
Ac-ft	153	199	315	1,650	263	245	100	67	292	35	9.1	14
Cfsm	0.00	0.01	0.01	0.05	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
In.	0.01	0.01	0.01	0.06	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2011^b, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	154	121	67.3	115	136	84.2	145	220	236	64.2	29.0	196
Max	2,698	1,068	969	778	1,485	592	1,361	2,062	2,820	1,363	282	4,060
(WY)	(1999)	(2003)	(1977)	(1974)	(1992)	(2007)	(1977)	(1972)	(1987)	(2007)	(2001)	(1967)
Min	0.26	1.19	1.85	3.18	2.54	2.66	1.68	0.88	0.32	0.23	0.00	0.23
(WY)	(1964)	(1932)	(1989)	(2009)	(2009)	(1967)	(2011)	(1963)	(1934)	(1964)	(2009)	(2011)

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	Calendar Year 2010	Water Year 2011		Water Years 1930 - 2011^h	
Annual total	41,967.2		1,682.73		
Annual mean	115		4.61		132
Highest annual mean				532	1992
Lowest annual mean				4.29	2006
Highest daily mean	5,140	Jan 17	150	Jan 18	67,900 Sep 22, 1967
Lowest daily mean	1.9	Oct 11	0.03	Aug 30	0.00 Aug 11, 1932
Annual seven-day minimum	2.0	Oct 11	0.09	Aug 18	0.00 Aug 18, 1959
Maximum peak flow			194	Jan 17	79,700 Sep 22, 1967
Maximum peak stage			6.11	Jan 17	32.34 Sep 22, 1967
Annual runoff (ac-ft)	83,240		3,340		95,620
Annual runoff (cfsm)	0.209		0.008		0.240
Annual runoff (inches)	2.84		0.11		3.27
10 percent exceeds	157		6.4		130
50 percent exceeds	12		2.3		9.1
90 percent exceeds	3.0		0.21		1.4

^h See Period of Record paragraph.

