



Water-Data Report 2008

**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 mi<sup>2</sup>.

**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 ft<sup>3</sup>/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 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Nov 25	2300	*784	*11.49

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	9.0	6.9	21	8.9	12	11	10	23	1.8	1.1	1.3	1.7
<b>2</b>	8.9	6.6	17	8.9	12	11	9.8	16	1.6	11	1.1	1.1
<b>3</b>	8.2	6.3	14	8.8	12	11	9.8	11	1.5	4.7	1.0	0.71
<b>4</b>	8.4	5.8	12	9.2	12	9.7	9.8	8.5	1.6	1.7	0.96	0.49
<b>5</b>	8.1	6.0	12	9.3	11	9.3	9.4	7.5	1.4	1.3	1.00	0.44
<b>6</b>	7.7	5.9	11	9.6	11	9.6	9.4	6.7	1.4	1.7	1.2	0.41
<b>7</b>	7.8	6.4	10	10	11	9.9	9.5	6.0	1.2	1.6	1.2	0.41
<b>8</b>	8.2	7.0	9.5	10	10	10	9.4	5.9	1.2	1.6	1.2	0.46
<b>9</b>	8.0	6.6	9.5	10	11	10	9.3	5.7	1.1	1.9	1.3	0.48
<b>10</b>	7.8	6.2	9.4	10	11	11	9.1	5.5	1.2	3.4	1.3	0.47
<b>11</b>	7.9	6.3	9.5	10	11	12	8.4	5.2	1.3	3.2	1.2	0.46
<b>12</b>	7.9	6.3	9.4	10	11	12	7.8	4.8	1.2	2.5	1.3	0.48
<b>13</b>	8.0	6.3	9.8	10	11	19	7.7	4.8	1.1	2.0	1.3	0.44
<b>14</b>	7.9	6.6	10	10	12	19	7.6	4.5	1.1	1.6	1.2	0.71
<b>15</b>	7.7	6.4	10	11	12	15	7.5	4.2	0.98	1.5	1.2	0.64
<b>16</b>	9.4	6.4	9.4	12	13	15	7.4	4.5	0.91	1.5	1.7	0.47
<b>17</b>	66	6.5	9.3	11	14	15	7.5	4.4	0.76	1.4	1.5	0.44
<b>18</b>	48	7.0	9.3	12	13	14	9.2	4.3	0.73	1.4	2.4	0.62
<b>19</b>	22	9.9	9.9	15	13	13	9.3	3.8	0.73	1.4	2.9	0.67
<b>20</b>	21	16	9.6	12	13	13	11	3.6	0.83	1.2	4.4	0.61
<b>21</b>	15	19	9.4	13	13	14	11	3.5	0.92	1.2	20	0.66
<b>22</b>	11	16	9.4	13	13	13	10	3.2	0.84	1.1	25	0.83
<b>23</b>	8.7	12	9.1	13	14	13	9.9	3.4	0.73	1.2	18	0.91
<b>24</b>	7.3	30	8.7	13	19	12	9.7	3.1	0.79	1.4	11	0.93
<b>25</b>	6.8	594	8.6	13	20	11	9.3	3.0	0.84	1.5	36	0.94
<b>26</b>	6.8	591	8.5	13	16	11	234	2.7	0.79	1.4	19	0.79
<b>27</b>	6.8	196	8.8	13	13	11	219	2.6	0.72	1.4	5.5	0.70
<b>28</b>	6.9	78	9.2	13	12	10	163	2.3	0.64	1.3	7.9	0.76
<b>29</b>	7.2	40	9.0	13	11	9.4	78	2.1	0.64	1.3	7.9	0.62
<b>30</b>	7.1	27	9.1	12	---	9.7	38	1.9	0.72	1.4	4.1	0.45
<b>31</b>	7.0	---	9.1	13	---	10	---	2.0	---	1.5	2.4	---
<b>Total</b>	378.5	1,744.4	320.5	349.7	367	373.6	960.8	169.7	31.27	62.4	187.46	19.80
<b>Mean</b>	12.2	58.1	10.3	11.3	12.7	12.1	32.0	5.47	1.04	2.01	6.05	0.66
<b>Max</b>	66	594	21	15	20	19	234	23	1.8	11	36	1.7
<b>Min</b>	6.8	5.8	8.5	8.8	10	9.3	7.4	1.9	0.64	1.1	0.96	0.41
<b>Ac-ft</b>	751	3,460	636	694	728	741	1,910	337	62	124	372	39
<b>Cfsm</b>	0.02	0.11	0.02	0.02	0.02	0.02	0.06	0.01	0.00	0.00	0.01	0.00
<b>In.</b>	0.03	0.12	0.02	0.02	0.02	0.03	0.07	0.01	0.00	0.00	0.01	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2008<sup>b</sup>, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	143	113	68.9	113	134	88.3	147	228	247	66.0	30.5	207
<b>Max</b>	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)
<b>Min</b>	0.26	1.19	1.85	3.29	3.88	2.66	3.16	0.88	0.32	0.23	0.07	0.26
(WY)	(1964)	(1932)	(1989)	(2006)	(2006)	(1967)	(2006)	(1963)	(1934)	(1964)	(1962)	(1959)

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**SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>		<b>Water Year 2008</b>		<b>Water Years 1930 - 2008<sup>h</sup></b>	
<b>Annual total</b>	102,411.0		4,965.13			
<b>Annual mean</b>	281		13.6		133	
<b>Highest annual mean</b>					532	1992
<b>Lowest annual mean</b>					4.29	2006
<b>Highest daily mean</b>	6,470	Mar 15	594	Nov 25	67,900	Sep 22, 1967
<b>Lowest daily mean</b>	4.1	Feb 14	0.41	Sep 6	0.00	Aug 11, 1932
<b>Annual seven-day minimum</b>	4.2	Feb 13	0.45	Sep 5	0.00	Aug 18, 1959
<b>Maximum peak flow</b>			784	Nov 25	79,700	Sep 22, 1967
<b>Maximum peak stage</b>			11.49	Nov 25	32.34	Sep 22, 1967
<b>Annual runoff (ac-ft)</b>	203,100		9,850		96,710	
<b>Annual runoff (cfsm)</b>	0.511		0.025		0.243	
<b>Annual runoff (inches)</b>	6.94		0.34		3.30	
<b>10 percent exceeds</b>	801		15		134	
<b>50 percent exceeds</b>	15		8.1		9.3	
<b>90 percent exceeds</b>	5.9		0.84		1.5	

<sup>h</sup> See Period of Record paragraph.

