



Water-Data Report 2008

08177500 Coleto Creek near Victoria, TX

Guadalupe Basin
Lower Guadalupe Subbasin

LOCATION.--Lat 28°43'51", long 97°08'18" referenced to North American Datum of 1927, Victoria County, TX, Hydrologic Unit 12100204, on left bank at downstream side of westbound bridge on U.S. Highway 59, 1.6 mi downstream from Coleto Creek dam, 9.0 mi southwest of Victoria, and 11.2 mi upstream from mouth.

DRAINAGE AREA.--500 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1939 to Sept. 1954, June 1978 to current year.

REVISED RECORDS.--WSP 1562: 1939-40. WSP 1732: 1941. WDR-US-2006: 2005 (M).

GAGE.--Water-stage recorder. Datum of gage is 44.18 ft above NGVD of 1929. Prior to Jan. 17, 1955, at datum 5.0 ft higher. Satellite telemeter at station.

REMARKS.--Records good. Since water year 1981, at least 10% of contributing drainage area has been regulated. Beginning on Mar. 6, 1980, water diverted from the Guadalupe River basin to the Coleto Creek basin upstream from Coleto Creek Reservoir for industrial use. There are no other large diversions above station. No flow at times.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--16 years (water years 1940-54, 1979-80), 92.7 ft³/s (67,160 acre-ft/yr).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1875, 236,000 ft³/s Sept. 22, 1967 (gage height, 42.0 ft, from floodmark), present site and datum, on basis of slope-area measurement of peak flow. Flood of Apr. 20, 1976, reached a stage of 37.85 ft, at site 0.2 mi upstream at present datum. Flood of July 1, 1936, reached a stage of 32.2 ft, present site and datum, from information by railroad company.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--WATER YEARS 1939-54, 1979-1980: Maximum discharge, 89,000 ft³/s Oct. 16, 1946 (gage height, 36.64 ft, present datum, from floodmark), on basis of slope-area measurement of peak flow; no flow at times.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.5	5.9	5.1	4.6	5.1	5.7	5.5	5.3	4.3	2.6	2.5	2.6
2	5.4	5.9	5.1	4.7	5.2	5.7	5.4	5.3	4.3	2.8	2.5	7.4
3	5.4	6.0	8.7	4.8	5.3	9.2	5.4	5.2	4.3	2.6	2.4	4.3
4	5.4	6.0	6.2	4.8	10	6.6	5.5	5.2	10	2.7	2.4	3.0
5	5.4	6.0	5.1	4.8	6.6	5.5	5.3	5.7	6.4	3.2	2.5	2.8
6	5.7	10	4.9	4.5	5.5	15	5.6	6.3	4.5	3.5	2.5	2.8
7	5.8	5.9	4.8	4.5	5.4	13	8.3	6.1	4.3	2.8	2.5	2.8
8	7.0	5.2	4.7	9.3	5.3	6.8	6.8	5.7	4.1	2.6	2.4	2.8
9	7.2	5.1	4.7	5.8	5.2	5.6	5.8	5.4	3.7	2.6	2.4	2.9
10	5.9	5.0	4.8	5.0	5.2	7.5	5.5	5.3	3.7	2.5	2.4	2.9
11	5.6	5.0	4.8	5.0	5.4	10	5.2	5.2	3.7	2.5	2.4	2.9
12	5.6	5.0	4.8	5.0	5.4	7.2	5.2	5.1	3.5	2.4	2.5	2.8
13	5.4	5.0	5.0	4.9	5.2	6.3	5.2	4.8	3.4	2.4	2.5	2.8
14	5.8	4.9	4.9	5.0	5.2	5.9	5.3	4.7	2.9	5.1	2.5	3.7
15	5.9	4.8	4.8	5.2	5.1	5.7	5.3	4.6	2.7	3.2	2.5	3.4
16	5.6	5.0	4.5	6.3	5.3	5.5	5.3	4.7	2.6	2.6	2.5	2.9
17	5.5	5.0	4.7	5.5	5.4	5.6	5.5	4.7	2.6	2.6	2.6	2.8
18	5.4	5.1	4.6	5.5	5.7	6.0	6.5	4.5	2.5	2.6	3.2	2.8
19	5.4	5.0	4.5	7.6	6.2	5.8	6.4	4.3	2.5	2.5	3.6	2.8
20	5.4	4.9	4.5	5.8	6.3	5.3	6.5	4.3	2.7	2.5	3.0	2.7
21	5.5	5.0	4.7	5.4	6.3	5.3	6.7	4.3	2.8	2.6	2.8	2.7
22	5.5	5.1	4.7	5.5	6.2	5.2	6.7	4.3	3.2	2.5	2.7	2.7
23	5.5	5.0	4.7	5.9	5.7	5.1	6.8	4.3	2.7	2.8	2.8	2.7
24	5.5	5.5	4.8	5.7	5.6	5.4	6.3	4.3	2.6	3.0	2.7	2.8
25	5.6	5.3	4.8	5.6	5.7	5.6	5.6	4.2	2.5	2.8	2.7	2.7
26	5.7	5.0	4.8	5.4	5.6	5.6	11	4.2	2.5	2.6	2.6	2.6
27	5.7	4.9	4.7	5.3	5.6	5.6	7.2	4.3	2.5	2.5	2.6	2.6
28	5.6	4.9	4.7	5.3	5.6	5.5	5.9	4.3	2.4	2.5	2.7	2.6
29	5.9	4.9	4.7	5.2	5.6	5.6	5.4	4.4	2.4	2.5	2.6	2.7
30	6.1	5.1	4.6	5.2	---	5.7	5.4	4.4	2.4	2.4	2.6	2.6
31	6.1	---	4.6	5.2	---	5.7	---	4.3	---	2.5	2.6	---
Total	177.0	161.4	153.0	168.3	165.9	204.2	182.5	149.7	104.7	85.0	81.2	90.6
Mean	5.71	5.38	4.94	5.43	5.72	6.59	6.08	4.83	3.49	2.74	2.62	3.02
Max	7.2	10	8.7	9.3	10	15	11	6.3	10	5.1	3.6	7.4
Min	5.4	4.8	4.5	4.5	5.1	5.1	5.2	4.2	2.4	2.4	2.4	2.6
Ac-ft	351	320	303	334	329	405	362	297	208	169	161	180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2008², BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	168	140	52.4	43.3	100	107	165	143	198	111	22.8	110
Max	1,313	1,186	434	347	961	563	1,817	940	1,426	1,518	370	1,202
(WY)	(1999)	(2005)	(1992)	(1992)	(1992)	(2007)	(1997)	(1993)	(1993)	(2007)	(2001)	(2001)
Min	1.61	1.90	2.01	1.93	1.98	2.05	2.07	2.09	0.04	0.01	0.93	1.56
(WY)	(1996)	(1997)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)	(2001)	(2001)	(2002)	(1989)

08177500 Coleto Creek near Victoria, TX—Continued**SUMMARY STATISTICS**

	Calendar Year 2007	Water Year 2008			Water Years 1981 - 2008^z	
Annual total	75,167.0		1,723.5			
Annual mean	206		4.71		113	
Highest annual mean				302		1997
Lowest annual mean				1.98		1996
Highest daily mean	10,600	Jul 2	15	Mar 6	27,500	Apr 4, 1997
Lowest daily mean	3.0	Jan 12	2.4	Jun 28	0.00	May 6, 1981
Annual seven-day minimum	3.2	Jan 7	2.4	Aug 3	0.00	Jul 5, 2001
Maximum peak flow			33	Mar 6	c50,100	Apr 4, 1997
Maximum peak stage			4.28	Mar 6	a32.05	Apr 4, 1997
Annual runoff (ac-ft)	149,100		3,420		81,930	
10 percent exceeds	183		6.2		52	
50 percent exceeds	6.4		5.0		5.0	
90 percent exceeds	4.7		2.6		2.0	

^z Period of regulated streamflow.^a From floodmark.^c From rating curve extended above discharge measurements of 32,200 ft³/s and 36,300 ft³/s.