



Water-Data Report 2008

08164600 Garcitas Creek near Inez, TX

Central Texas Coastal Basin
West Matagorda Bay Subbasin

LOCATION.--Lat 28°53'28", long 96°49'08" referenced to North American Datum of 1927, Victoria County, TX, Hydrologic Unit 12100402, at right downstream end of bridge on U.S. Highway 59 access road, 0.3 mi upstream from Southern Pacific Railroad bridge, 2.0 mi southwest of Inez, and 3.6 mi upstream from Casa Blanca Creek.

DRAINAGE AREA.--91.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1970 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Apr. 1965 to Aug. 1988.

BIOCHEMICAL DATA: Apr. 1965 to Aug. 1988.

BIOLOGICAL DATA: Jan. 1984.

PESTICIDE DATA: July 1970 to July 1981.

RADIOCHEMICAL DATA: Feb. 1981 to July 1981.

REVISED RECORDS.--WDR TX-94-3: 1992-93.

GAGE.--Water-stage recorder. Datum of gage is 29.16 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good. No known regulation or diversions. An undetermined amount of return water from irrigation enters the stream above this 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 during period 1903-70, 24.5 ft Oct. 26, 1960. In 1929, a flood nearly as high as the 1960 flood occurred, and a flood in Sept. 1967 reached a stage of 23.4 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 7	1630	*1,070	*13.66

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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	10	5.3	3.8	4.2	3.4	5.4	7.8	3.6	1.1	0.54	0.31	0.90
2	7.8	5.1	4.0	4.0	3.2	5.5	7.3	3.3	0.91	1.1	0.18	0.76
3	6.8	5.0	4.0	4.1	3.4	5.7	7.1	3.1	0.79	1.4	0.12	0.62
4	6.0	4.9	4.0	4.5	3.4	5.1	7.0	3.0	0.72	1.2	0.10	0.43
5	6.1	4.5	4.4	4.7	3.4	4.7	6.9	2.8	0.69	1.2	0.12	0.34
6	6.2	4.7	5.2	4.8	3.1	94	6.6	2.9	0.76	1.5	0.15	0.30
7	7.5	4.8	6.3	4.9	3.0	913	6.4	2.9	0.90	1.6	0.16	0.29
8	24	4.3	7.3	5.1	3.0	371	6.4	2.7	0.81	1.2	0.14	0.25
9	41	4.3	6.6	4.5	3.2	95	6.2	2.6	0.71	1.8	0.09	0.23
10	14	4.3	5.5	4.1	3.2	103	6.1	2.5	0.62	2.5	0.06	0.25
11	9.2	4.3	5.7	3.9	3.2	100	5.9	2.4	0.62	1.3	0.05	0.23
12	7.7	4.4	5.6	3.4	3.3	57	5.5	2.5	0.62	0.86	0.05	0.21
13	7.0	4.4	5.5	3.1	3.2	33	5.1	2.3	0.62	0.64	0.05	0.09
14	6.5	4.2	5.9	3.0	3.1	25	4.8	2.4	0.64	0.51	0.05	0.34
15	57	3.9	7.3	3.3	3.3	21	4.7	2.3	0.57	0.38	0.05	7.7
16	40	3.8	6.9	6.3	4.1	18	4.7	2.2	0.51	0.38	0.13	6.5
17	18	4.2	5.3	4.3	5.6	15	4.5	2.2	0.48	0.40	1.3	4.2
18	11	4.9	5.8	3.1	4.5	14	5.4	2.1	0.47	0.42	2.3	3.9
19	8.6	4.7	5.7	17	3.7	13	6.3	2.0	0.42	0.47	12	3.2
20	7.3	4.4	5.9	7.2	15	11	5.1	1.8	0.42	0.34	11	2.8
21	6.6	4.3	5.7	7.3	21	11	4.9	1.9	0.49	0.22	21	2.4
22	14	4.0	4.8	10	14	10	4.8	1.8	0.67	0.18	9.0	2.0
23	6.5	3.8	4.2	37	9.0	9.6	4.3	1.8	0.51	0.47	4.5	1.8
24	5.7	5.3	4.2	33	6.7	9.1	4.1	1.6	0.47	1.9	3.1	1.8
25	5.9	5.6	4.5	17	5.4	8.7	4.0	1.5	0.42	2.4	3.4	1.8
26	5.4	4.6	4.8	14	4.8	8.6	7.0	1.4	0.49	1.8	3.5	1.5
27	5.3	4.0	4.6	11	4.9	8.3	9.2	1.3	0.56	2.6	2.7	1.2
28	5.7	3.8	4.6	8.4	5.1	8.1	9.4	1.2	0.39	2.7	2.1	0.98
29	5.7	3.8	4.7	6.6	5.2	8.0	5.7	1.2	0.34	1.8	1.9	0.79
30	5.5	3.8	4.8	4.8	---	7.8	4.1	1.1	0.35	0.89	1.4	0.58
31	5.3	---	4.6	4.3	---	7.8	---	1.2	---	0.48	1.1	---
Mean	12.0	4.45	5.23	8.16	5.43	64.7	5.91	2.18	0.60	1.13	2.65	1.61
Max	57	5.6	7.3	37	21	913	9.4	3.6	1.1	2.7	21	7.7
Min	5.3	3.8	3.8	3.0	3.0	4.7	4.0	1.1	0.34	0.18	0.05	0.09
Ac-ft	740	265	322	502	312	3,980	352	134	36	70	163	96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	64.9	61.5	36.4	42.2	47.4	45.3	71.4	105	102	53.6	8.92	73.9
Max	695	590	263	220	558	578	658	503	745	1,088	89.8	789
(WY)	(1995)	(2005)	(1977)	(1992)	(1992)	(1997)	(1991)	(1979)	(1981)	(2007)	(2001)	(1978)
Min	0.00	0.00	0.01	0.02	0.14	0.48	0.25	0.05	0.00	0.00	0.06	0.00
(WY)	(1990)	(1990)	(1990)	(1990)	(1990)	(1996)	(1996)	(1996)	(1990)	(2001)	(1988)	(1988)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1970 - 2008	
Annual mean	157		9.60		59.5	
Highest annual mean					159	2007
Lowest annual mean					2.65	1989
Highest daily mean	8,030	Jul 3	913	Mar 7	13,100	Oct 19, 1994
Lowest daily mean	2.1	Jan 2	0.05	Aug 11	0.00	May 22, 1971
Annual seven-day minimum	2.4	Mar 3	0.06	Aug 9	0.00	May 26, 1971
Maximum peak flow			1,070	Mar 7	19,700	Jun 12, 1981
Maximum peak stage			13.66	Mar 7	^a 33.43	Oct 19, 1994
Annual runoff (ac-ft)	113,900		6,970		43,080	
10 percent exceeds	350		10		59	
50 percent exceeds	12		4.1		3.3	
90 percent exceeds	4.2		0.42		0.27	

^a From floodmark.

