

08067500 Cedar Bayou near Crosby, TX

Galveston Bay-Sabine Lake Basin
North Galveston Bay Subbasin

LOCATION.--Lat 29°58'21", long 94°59'08" referenced to North American Datum of 1927, Liberty County, TX, Hydrologic Unit 12040203, on right bank at downstream side of bridge on U.S. Highway 90 and 6.6 mi northeast of Crosby.

DRAINAGE AREA.--64.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Mar. to Aug. 1946, Mar. 1963 to Feb. 1964, May to Aug. 1971 (discharge measurements only), Oct. 1971 to Sept. 1991 (daily mean discharge), Oct. 1991 to Sept. 2001 (peak discharges greater than base discharge), Oct. 2001 to current year (daily mean discharge).

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: May 1971 to Sept. 1979.

BIOCHEMICAL DATA: May 1971 to Sept. 1979.

PESTICIDE DATA: May 1971 to Sept. 1979.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988, 2001 adjustment. Prior to Oct. 1, 2009, datum of gage 31.31 ft above NGVD of 1929 (30.44 ft above current datum). Satellite telemeter at station.

REMARKS.--Records fair, including those for estimated daily discharges. Stage-discharge relation is affected by seasonal vegetation during most years. No known regulation. Low flow is sustained by drainage from irrigated lands. There are diversions upstream from station for irrigation. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES 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 25	0315	*709	*43.74

08067500 Cedar Bayou near Crosby, 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	2.9	0.15	0.33	13	15	0.83	0.55	0.07	0.01	0.01	0.04	0.00
2	3.6	1.6	e0.14	7.6	27	0.47	0.47	0.09	0.01	0.01	0.04	0.00
3	3.1	2.4	e0.12	8.0	18	0.31	0.40	0.08	0.01	0.01	0.04	0.00
4	2.7	1.3	e0.11	4.7	14	0.37	0.36	0.06	0.01	0.01	0.04	0.02
5	2.6	0.78	e0.10	39	11	0.34	0.25	0.07	0.01	0.01	0.04	0.00
6	2.3	0.64	0.14	27	6.3	0.30	0.25	0.07	0.01	0.01	0.04	0.00
7	2.3	0.62	2.0	15	3.1	0.29	0.25	0.07	0.01	0.01	0.03	0.00
8	2.3	0.64	1.8	7.3	3.4	0.33	e0.25	0.09	0.01	0.01	0.03	0.00
9	2.4	2.2	2.1	13	1.7	0.41	e0.18	0.09	0.01	0.01	0.03	0.00
10	2.2	4.1	2.7	28	2.3	0.62	e0.14	0.09	0.01	0.01	0.02	0.00
11	1.8	21	3.6	11	1.6	0.39	e0.10	0.11	0.00	0.01	0.01	0.00
12	1.6	18	4.0	5.8	0.79	0.29	e0.08	0.13	0.00	0.01	0.01	0.00
13	1.3	8.8	3.2	3.1	0.64	0.31	0.08	0.10	0.00	0.01	0.00	0.00
14	1.1	6.9	1.9	2.5	0.92	0.34	0.10	0.08	0.00	0.01	0.01	0.00
15	1.0	5.5	1.8	2.1	1.0	0.34	0.10	0.06	0.00	0.01	0.02	0.00
16	1.5	5.1	1.7	2.6	0.68	0.40	0.07	0.04	0.00	0.01	0.01	0.00
17	0.87	4.5	2.0	29	0.62	0.48	0.07	0.03	0.00	0.01	0.00	0.00
18	0.40	3.0	2.2	18	0.77	0.57	0.08	0.03	0.00	0.01	0.00	0.01
19	0.25	2.4	2.3	12	0.97	0.60	0.10	0.03	0.00	2.6	0.00	0.02
20	0.20	2.1	3.0	7.0	0.57	0.60	0.08	0.03	0.00	15	0.00	0.00
21	0.16	2.0	3.3	5.2	0.46	0.62	0.05	0.04	0.00	7.6	0.00	0.00
22	0.13	1.7	3.1	3.6	0.51	0.63	0.06	0.03	0.01	1.0	0.00	0.00
23	0.15	39	2.9	2.9	0.56	1.1	0.06	0.03	0.03	0.15	0.00	0.00
24	1.0	83	2.5	164	0.39	0.73	0.07	0.03	0.03	0.08	0.00	0.00
25	0.49	14	4.7	473	0.37	0.53	0.07	0.02	0.03	0.06	0.01	0.00
26	0.26	7.1	3.6	79	0.35	0.48	0.07	0.02	0.02	0.06	0.00	0.00
27	0.17	4.8	2.3	19	0.37	0.43	0.08	0.02	0.02	0.05	0.00	0.00
28	0.14	4.0	1.8	7.6	0.83	0.40	0.06	0.02	0.01	0.06	0.00	0.00
29	0.11	4.0	45	5.9	---	1.8	0.06	0.02	0.01	0.07	0.00	0.01
30	0.10	2.3	179	3.8	---	1.6	0.07	0.01	0.01	0.06	0.00	0.01
31	0.10	---	24	3.5	---	0.81	---	0.01	---	0.05	0.00	---
Total	39.23	253.63	307.44	1,023.2	114.20	17.72	4.61	1.67	0.27	27.02	0.42	0.07
Mean	1.27	8.45	9.92	33.0	4.08	0.57	0.15	0.05	0.01	0.87	0.01	0.00
Max	3.6	83	179	473	27	1.8	0.55	0.13	0.03	15	0.04	0.02
Min	0.10	0.15	0.10	2.1	0.35	0.29	0.05	0.01	0.00	0.01	0.00	0.00
Ac-ft	78	503	610	2,030	227	35	9.1	3.3	0.5	54	0.8	0.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2011^h, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	94.6	97.7	83.4	87.0	91.3	43.1	78.1	90.0	140	67.2	29.0	86.7
Max	517	437	272	405	302	187	455	599	697	384	299	567
(WY)	(2007)	(2005)	(1987)	(1991)	(2005)	(1985)	(1979)	(1989)	(1987)	(1979)	(1983)	(2002)
Min	1.27	0.36	0.41	1.67	4.08	0.57	0.15	0.05	0.01	0.87	0.01	0.00
(WY)	(2011)	(1989)	(1989)	(1989)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)

08067500 Cedar Bayou near Crosby, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1972 - 2011 ^h	
Annual total	7,817.55		1,789.48			
Annual mean	21.4		4.90		82.1	
Highest annual mean					158	1979
Lowest annual mean					4.90	2011
Highest daily mean	1,140	Feb 12	473	Jan 25	4,030	May 19, 1989
Lowest daily mean	0.02	Jun 16	0.00	Jun 11	0.00	Mar 8, 1979
Annual seven-day minimum	0.02	Jun 15	0.00	Jun 11	0.00	Jun 11, 2011
Maximum peak flow			709	Jan 25	4,760	Jun 5, 1981
Maximum peak stage			43.74	Jan 25	^a 23.92	Jun 5, 1981
Annual runoff (ac-ft)	15,510		3,550		59,470	
10 percent exceeds	29		6.9		152	
50 percent exceeds	3.5		0.16		8.9	
90 percent exceeds	0.10		0.00		0.69	

^a Datum then in use.

^h See Period of Record paragraph.

