

08084800 California Creek near Stamford, TX

Middle Brazos-Clear Fork Basin
Paint Subbasin

LOCATION.--Lat 32°55'51", long 99°38'32" referenced to North American Datum of 1927, Jones County, TX, Hydrologic Unit 12060103, near right bank at downstream side of bridge on Farm Road 142, 6.0 mi northeast of Avoca, 9.0 mi east of Stamford, and 19.4 mi upstream from Paint Creek.

DRAINAGE AREA.--478 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1962 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Oct. 1962 to Sept. 1979.

BIOCHEMICAL DATA: Oct. 1962 to Sept. 1973.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Oct. 1962 to Sept. 1979.

WATER TEMPERATURE: Oct. 1962 to Sept. 1979.

REVISED RECORDS.--WSP 2122: 1965. WDR TX-76-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,470 ft above NGVD of 1929 (from topographic map). Satellite telemeter at station.

REMARKS.--Records poor. No known regulation. There are three small diversions upstream from station. No flow at times. Some records listed in the period of record may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1897, 29.6 ft, present datum, on June 10, 1962, from floodmark; second highest flood in July 1961 (stage unknown); third highest flood in May 1957 (stage unknown) was about equal to flood on June 24, 1915; flood of Sept. 1962 reached a stage of 28.1 ft, present datum, from information by local residents. Another large flood is reported to have occurred in June 1909.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 476 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 13	1130	*38	*7.34

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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	32	3.4	3.3	4.3	6.8	2.5	3.2	e1.3	e0.22	e0.00	e0.00	e0.00
2	24	2.9	3.4	4.0	5.5	2.5	3.2	e1.1	e0.20	e0.00	e0.00	e0.00
3	19	2.6	8.5	3.8	5.0	2.3	3.3	0.81	e0.18	e0.00	e0.00	e0.00
4	16	2.5	3.2	3.6	4.9	2.4	2.9	e0.80	e0.16	e0.00	e0.00	e0.00
5	13	2.5	3.2	3.6	4.6	2.6	2.7	e0.78	e0.14	e0.00	e0.00	e0.00
6	11	2.4	3.1	3.5	5.9	2.2	2.7	e0.76	e0.12	e0.00	e0.00	e0.00
7	9.9	2.2	3.2	3.3	7.3	2.2	2.6	e0.74	e0.09	e0.00	e0.00	e0.00
8	9.0	2.3	3.5	3.2	5.7	2.4	2.5	e0.72	e0.06	e0.00	e0.00	e0.00
9	8.0	2.7	3.0	3.4	5.3	2.3	2.3	e0.71	0.04	e0.00	e0.00	e0.00
10	6.9	2.7	2.8	3.4	4.2	2.4	2.3	e0.70	e0.04	e0.00	e0.00	e0.00
11	6.2	2.7	2.8	3.4	4.1	2.4	2.3	e0.67	e0.03	e0.00	e0.00	e0.00
12	5.9	2.7	2.8	3.4	4.4	2.3	2.3	e0.64	e0.03	e0.00	e0.00	e0.00
13	5.6	2.5	2.8	3.6	2.9	2.1	2.3	e0.62	e0.02	e0.00	16	e0.00
14	5.3	2.7	3.1	3.5	2.7	2.2	2.2	e0.61	e0.02	e0.00	4.1	e0.00
15	5.2	3.1	3.0	3.4	2.7	2.3	2.1	e0.60	e0.01	e0.00	0.84	e0.00
16	4.9	2.7	3.0	3.5	2.5	2.4	2.3	e0.57	e0.01	e0.00	0.15	0.01
17	4.6	2.7	3.1	3.6	2.5	2.5	1.9	e0.54	e0.00	e0.00	0.00	0.02
18	4.8	2.7	2.9	3.8	2.4	2.5	2.2	e0.52	e0.00	e0.00	0.00	3.1
19	5.1	2.5	3.0	3.7	2.4	2.5	1.9	e0.50	e0.00	e0.00	0.00	3.5
20	4.7	2.5	3.1	3.4	2.3	2.5	2.0	e0.47	e0.00	e0.00	0.00	0.48
21	4.1	2.7	3.6	3.2	2.4	2.5	2.2	e0.44	e0.00	e0.00	e0.00	0.10
22	3.7	3.0	3.3	3.1	2.3	2.5	1.7	e0.42	e0.00	e0.00	e0.00	0.04
23	5.5	3.0	3.5	3.2	2.3	2.6	2.2	e0.41	e0.00	e0.00	e0.00	0.03
24	5.2	2.9	8.7	3.3	2.6	2.6	2.2	e0.40	e0.00	e0.00	e0.00	0.02
25	4.7	2.9	6.9	3.4	2.6	3.0	2.0	e0.37	e0.00	e0.00	e0.00	0.01
26	4.2	2.7	5.2	3.4	2.7	2.6	2.1	e0.34	e0.00	e0.00	e0.00	e0.00
27	4.2	2.7	4.6	3.4	2.7	2.9	2.1	e0.32	e0.00	e0.00	e0.00	e0.00
28	3.6	2.7	4.1	3.3	2.4	3.8	e1.9	e0.30	e0.00	e0.00	e0.00	e0.00
29	3.3	2.8	4.2	3.0	---	3.7	e1.8	e0.28	e0.00	e0.00	e0.00	e0.00
30	3.6	3.5	4.8	3.0	---	3.5	e1.5	e0.26	e0.00	e0.00	e0.00	e0.00
31	3.6	---	4.5	3.4	---	3.3	---	e0.23	---	e0.00	e0.00	---
Total	246.8	81.9	120.2	107.1	104.1	80.5	68.9	17.93	1.37	0.00	21.09	7.31
Mean	7.96	2.73	3.88	3.45	3.72	2.60	2.30	0.58	0.05	0.00	0.68	0.24
Max	32	3.5	8.7	4.3	7.3	3.8	3.3	1.3	0.22	0.00	16	3.5
Min	3.3	2.2	2.8	3.0	2.3	2.1	1.5	0.23	0.00	0.00	0.00	0.00
Ac-ft	490	162	238	212	206	160	137	36	2.7	0.00	42	14
Cfsm	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	33.1	14.3	9.77	9.59	29.5	13.4	29.0	72.3	77.9	23.6	71.7	41.7
Max	481	229	169	84.0	750	132	396	741	546	293	930	575
(WY)	(1987)	(1973)	(1992)	(1968)	(1992)	(1973)	(2010)	(1982)	(2003)	(2002)	(1971)	(1980)
Min	0.00	0.11	0.10	0.08	0.13	0.09	0.25	0.12	0.05	0.00	0.00	0.02
(WY)	(1969)	(1971)	(1965)	(1965)	(2000)	(1966)	(1967)	(2000)	(2011)	(1964)	(1965)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1963 - 2011
Annual total	22,302.87	857.20	
Annual mean	61.1	2.35	35.5
Highest annual mean			156 1992
Lowest annual mean			1.95 1964
Highest daily mean	4,150 Apr 18	32 Oct 1	20,400 Aug 4, 1978
Lowest daily mean	0.14 Aug 14	0.00 Jun 17	0.00 Sep 11, 1963
Annual seven-day minimum	0.17 Aug 12	0.00 Jun 17	0.00 May 17, 1964
Maximum peak flow		38 Aug 13	ⁱ 40,000 Aug 4, 1978
Maximum peak stage		7.34 Aug 13	^a 31.00 Aug 4, 1978
Annual runoff (ac-ft)	44,240	1,700	25,700
Annual runoff (cfsm)	0.128	0.005	0.074
10 percent exceeds	55	4.6	27
50 percent exceeds	7.5	2.3	2.4
90 percent exceeds	1.9	0.00	0.09

^a From floodmark.

ⁱ From field discharge calculation of peak flow.

