



Water-Data Report 2008

08083100 Clear Fork Brazos River near Roby, TX

Middle Brazos-Clear Fork Basin
Upper Clear Fork Brazos Subbasin

LOCATION.--Lat 32°47'15", long 100°23'18" referenced to North American Datum of 1927, Fisher County, TX, Hydrologic Unit 12060102, on right bank at downstream side of pier of bridge on State Highway 70, 3.0 mi north of Roby, 3.2 mi upstream from Cottonwood Creek, and 255.7 mi upstream from mouth.

DRAINAGE AREA.--228 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 1961 to current year.

REVISED RECORDS.--WDR TX-76-2: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,885.09 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. No known regulation. There are several small diversions above station. No flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since the 1890's, about 22 ft in May and June 1935, from information by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 11	1315	297	8.15
Apr 23	2245	*712	*10.94
May 7	1800	68	5.32
May 25	0500	623	10.45
May 28	0015	180	7.04
Jun 20	0645	140	6.56

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.57	0.03	e3.7	0.05	0.11	0.04	0.52	2.8	0.66	0.79	0.03	0.00
2	0.26	0.03	4.2	0.04	0.17	0.05	0.51	0.92	0.82	0.75	0.03	0.00
3	0.18	0.03	4.8	0.13	0.16	0.03	0.52	0.94	0.79	0.48	0.01	0.00
4	0.10	0.03	5.2	0.12	0.15	0.04	0.55	1.0	0.74	0.47	0.00	0.00
5	0.08	0.03	5.2	0.12	0.11	0.05	0.56	0.52	0.64	0.42	0.00	0.00
6	0.08	0.03	5.0	0.15	0.07	0.05	0.50	3.0	0.56	0.41	0.00	0.00
7	0.07	0.06	4.9	0.17	0.14	0.05	0.54	37	0.60	0.35	0.00	0.00
8	0.05	0.07	4.8	0.20	0.16	0.06	0.50	13	0.63	0.33	0.00	0.03
9	0.04	0.07	5.6	0.17	0.15	0.12	0.44	2.6	0.50	0.36	0.00	0.00
10	0.05	0.14	5.6	0.17	0.11	0.16	0.79	0.77	0.39	0.29	0.00	0.02
11	0.04	0.33	55	0.17	0.12	0.35	0.54	0.19	0.33	0.23	0.00	0.01
12	0.03	0.19	38	0.14	0.13	0.49	0.42	0.17	0.28	0.18	0.00	0.02
13	0.04	e0.28	35	0.11	0.15	0.42	0.30	0.13	0.25	0.15	0.00	0.05
14	0.03	0.34	23	0.13	0.12	0.35	0.27	0.05	0.21	0.17	0.00	0.03
15	0.03	0.40	18	0.14	0.09	0.26	0.27	0.03	0.10	0.22	0.00	0.03
16	0.03	e0.55	15	0.16	0.08	0.49	0.30	0.03	0.08	0.40	0.08	0.03
17	0.03	0.70	14	0.11	0.07	0.81	0.27	0.25	0.10	0.46	0.00	0.03
18	0.02	0.95	13	0.12	0.11	1.2	0.25	0.23	0.19	0.45	0.00	0.03
19	0.02	3.4	11	0.10	0.12	1.1	0.27	0.21	3.2	0.36	0.00	0.02
20	0.02	3.4	9.9	0.12	0.11	0.77	0.25	0.11	73	e0.20	5.3	0.01
21	0.02	4.7	8.6	0.14	0.09	0.61	0.19	0.09	7.1	0.11	3.9	0.00
22	0.04	5.1	6.9	0.09	0.09	0.56	0.15	0.06	2.5	0.08	1.3	0.00
23	0.04	7.1	5.3	0.10	0.09	0.58	159	0.05	1.7	0.04	0.87	0.00
24	0.04	6.3	3.7	0.10	0.09	0.58	492	1.3	1.5	0.03	1.0	0.00
25	0.05	5.7	3.5	0.12	0.09	0.48	60	269	1.0	0.03	0.53	0.00
26	0.05	5.7	2.3	0.14	0.04	0.40	11	12	1.1	e0.03	0.32	0.02
27	0.03	5.5	1.5	0.11	0.05	0.40	9.7	16	0.90	0.03	0.16	0.05
28	0.03	5.1	1.2	0.11	0.04	0.34	6.1	72	0.64	0.03	0.07	0.05
29	0.03	4.3	1.1	0.10	0.04	0.41	4.1	7.3	0.55	0.05	0.05	0.05
30	0.03	e3.2	0.66	0.11	---	0.48	3.2	2.8	1.1	0.08	0.76	0.05
31	0.02	---	0.11	0.10	---	0.56	---	1.1	---	0.07	0.93	---
Total	2.15	63.76	315.77	3.84	3.05	12.29	754.01	445.65	102.16	8.05	15.34	0.53
Mean	0.07	2.13	10.2	0.12	0.11	0.40	25.1	14.4	3.41	0.26	0.49	0.02
Max	0.57	7.1	55	0.20	0.17	1.2	492	269	73	0.79	5.3	0.05
Min	0.02	0.03	0.11	0.04	0.04	0.03	0.15	0.03	0.08	0.03	0.00	0.00
Ac-ft	4.3	126	626	7.6	6.0	24	1,500	884	203	16	30	1.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.25	2.09	2.40	2.14	2.78	6.56	5.31	20.7	13.7	4.72	9.32	15.4
Max	142	17.6	15.8	12.7	23.9	180	51.6	257	84.4	60.6	141	249
(WY)	(1966)	(1987)	(1987)	(1987)	(1992)	(2000)	(1981)	(1982)	(1981)	(1975)	(1971)	(1969)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2003)	(2001)	(2005)	(2005)	(2001)	(1998)	(1998)

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	Calendar Year 2007	Water Year 2008	Water Years 1962 - 2008
Annual total	1,011.17	1,726.60	
Annual mean	2.77	4.72	7.79
Highest annual mean			29.6
Lowest annual mean			0.27
Highest daily mean	326	Aug 18	492
Lowest daily mean	0.00	Jan 1	0.00
Annual seven-day minimum	0.00	Jan 23	0.00
Maximum peak flow			712
Maximum peak stage			Apr 24
Annual runoff (ac-ft)	2,010	3,420	4,420
10 percent exceeds	4.9	5.2	5,640
50 percent exceeds	0.02	0.17	5.9
90 percent exceeds	0.00	0.02	1.2
			0.00

^a From floodmark.

