



Water-Data Report 2008

08109800 East Yegua Creek near Dime Box, TX

Lower Brazos Basin
Yegua Subbasin

LOCATION.--Lat 30°24'26", long 96°49'02" referenced to North American Datum of 1927, Burleson County, TX, Hydrologic Unit 12070102, on left bank 49 ft upstream from centerline of State Highway 21, 0.8 mi downstream from Buffalo Creek, 3.5 mi north of Dime Box, and 12.2 mi upstream from mouth.

DRAINAGE AREA.--244 mi².

SURFACE-WATER RECORDS

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

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Nov. 1980 to Aug. 1987.

BIOCHEMICAL DATA: Nov. 1980 to Aug. 1987.

RADIOCHEMICAL DATA: May. 1981 to July 1981.

SEDIMENT DATA: June 1966 to Aug. 1975.

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

GAGE.--Water-stage recorder. Datum of gage is 284.00 ft above NGVD of 1929 (State Department of Highways and Public Transportation datum). Nov. 6 to Dec. 10, 1970, nonrecording gage at present site and datum. Satellite telemeter at station.

REMARKS.--Records fair except for estimated daily discharges and those below 1 ft³/s, which are poor. Unknown amount of regulation. Diversions above 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 OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1886, 17 ft in 1899 and 1957, from information by local residents.

Water-Data Report 2008

08109800 East Yegua Creek near Dime Box, TX—Continued

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	16	12	28	21	18	14	12	7.5	3.5	2.2	0.26	0.08
2	16	12	26	19	18	14	11	6.6	3.3	1.6	0.19	0.08
3	16	12	23	18	17	15	10	5.6	3.7	1.6	0.10	0.08
4	16	12	21	18	17	18	13	5.3	3.4	1.4	0.05	0.08
5	16	12	20	19	17	19	51	27	2.6	1.1	0.04	0.08
6	15	12	19	20	15	16	38	130	4.6	0.92	0.05	0.08
7	14	13	17	23	14	19	21	97	4.6	0.77	0.05	0.08
8	14	14	17	25	13	19	15	33	4.0	0.83	0.05	0.08
9	14	14	17	26	12	18	12	18	3.4	0.80	0.07	0.08
10	13	14	17	26	12	117	11	15	2.9	0.96	0.08	0.08
11	13	14	17	25	12	275	9.5	12	2.6	0.54	0.08	0.13
12	12	14	21	24	12	344	9.0	9.3	2.2	e0.33	0.08	0.21
13	12	15	28	21	11	242	8.4	7.8	1.8	e0.28	0.15	0.24
14	12	15	26	17	12	78	7.9	17	1.7	e0.22	0.62	0.36
15	18	15	250	15	13	48	7.3	96	1.6	e0.18	e0.50	e0.06
16	19	15	249	14	48	33	6.7	223	1.9	e0.24	e0.42	e0.06
17	19	16	161	13	201	25	6.2	281	2.4	e0.32	e0.20	0.05
18	18	127	75	13	162	25	11	198	2.6	0.43	e0.17	0.11
19	17	182	e50	16	58	52	19	42	2.4	0.39	0.42	0.23
20	16	213	e35	16	29	63	16	22	2.9	0.50	0.53	0.12
21	17	124	e30	15	22	40	11	15	3.7	0.48	0.36	0.11
22	20	67	27	15	18	27	9.9	12	3.7	0.55	0.22	0.04
23	42	45	22	16	18	19	8.5	11	7.4	0.67	0.16	0.07
24	42	39	21	19	18	16	7.5	9.4	9.9	0.79	e0.13	0.11
25	33	75	20	18	16	14	9.7	8.6	11	1.0	e0.16	0.14
26	27	126	e22	20	15	12	14	10	9.1	0.96	0.19	0.18
27	22	79	e27	21	14	12	13	14	7.6	0.72	0.10	0.20
28	18	51	27	22	14	12	11	12	6.4	0.93	0.07	0.21
29	16	39	25	19	14	12	9.2	8.5	5.2	0.80	0.08	0.28
30	14	33	23	16	---	12	8.2	5.9	3.6	0.66	0.08	0.35
31	13	---	22	17	---	12	---	4.3	---	0.42	0.08	---
Total	570	1,431	1,383	587	860	1,642	397.0	1,363.8	125.7	23.59	5.74	4.06
Mean	18.4	47.7	44.6	18.9	29.7	53.0	13.2	44.0	4.19	0.76	0.19	0.14
Max	42	213	250	26	201	344	51	281	11	2.2	0.62	0.36
Min	12	12	17	13	11	12	6.2	4.3	1.6	0.18	0.04	0.04
Ac-ft	1,130	2,840	2,740	1,160	1,710	3,260	787	2,710	249	47	11	8.1

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	43.7	78.2	87.1	72.7	105	84.4	67.7	113	102	28.2	10.3	22.6
Max	503	718	651	418	934	276	364	656	813	347	67.1	506
(WY)	(1995)	(2005)	(1992)	(1991)	(1992)	(1992)	(1976)	(1975)	(1987)	(2007)	(1974)	(1974)
Min	0.00	0.02	0.77	2.55	3.65	3.89	1.00	2.98	0.91	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1990)	(1990)	(1972)	(1972)	(1984)	(1971)	(1967)	(1962)	(1963)

08109800 East Yegua Creek near Dime Box, TX—Continued**SUMMARY STATISTICS**

	Calendar Year 2007	Water Year 2008			Water Years 1962 - 2008	
Annual total	45,959		8,392.89			
Annual mean	126		22.9		67.7	
Highest annual mean				245		1992
Lowest annual mean				3.93		1971
Highest daily mean	1,940	Jul 8	344	Mar 12	9,490	May 24, 1975
Lowest daily mean	11	Sep 16	0.04	Aug 5	0.00	Aug 1, 1962
Annual seven-day minimum	12	Sep 13	0.06	Aug 4	0.00	Aug 1, 1962
Maximum peak flow			438	Dec 15	14,000	May 24, 1975
Maximum peak stage			8.44	Dec 15	13.91	May 24, 1975
Annual runoff (ac-ft)	91,160		16,650		49,040	
10 percent exceeds	276		42		87	
50 percent exceeds	37		13		15	
90 percent exceeds	14		0.14		0.54	

