



Water-Data Report 2008

08109700 Middle Yegua Creek near Dime Box, TX

Lower Brazos Basin
Yegua Subbasin

LOCATION.--Lat 30°20'21", long 96°54'16" referenced to North American Datum of 1927, Lee County, TX, Hydrologic Unit 12070102, on right bank 25 ft upstream from centerline of State Highway 21, 4.5 mi upstream from West Yegua Creek, 5.0 mi southwest of Dime Box, and 17.5 mi upstream from mouth.

DRAINAGE AREA.--236 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 295.40 ft above NGVD of 1929 (furnished by Texas Department of Transportation). June 30 to July 21, 1970, nonrecording gage at same site and datum. Satellite telemeter at station.

REMARKS.--Records fair except for estimated daily discharges and flows below 1 ft³/s, which are poor. No known regulation or diversions. 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 1851, 16 ft in Dec. 1913, from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 17	0921	*e259	*e6.04

08109700 Middle 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	8.5	14	16	e12	13	11	14	19	5.2	0.73	3.4	1.8
2	4.2	12	14	e11	13	10	11	15	5.0	0.75	6.5	1.6
3	3.6	10	12	e11	12	11	10	12	4.8	0.72	8.0	1.1
4	3.6	10	12	e11	12	11	13	9.9	4.5	0.93	6.3	0.53
5	3.7	9.0	11	e11	12	12	17	34	4.0	1.1	4.9	0.35
6	2.9	9.4	12	e11	14	13	18	68	3.8	1.1	4.1	0.37
7	2.5	8.6	17	e12	13	13	20	66	3.5	1.2	3.6	0.29
8	2.4	8.3	19	e13	12	14	18	43	3.1	1.6	2.6	0.22
9	2.0	8.3	17	e13	11	14	15	27	3.0	1.7	1.9	0.20
10	1.6	8.9	16	e12	10	61	13	20	2.7	1.8	0.89	0.19
11	2.1	8.3	16	e12	11	151	11	15	2.3	1.6	0.39	0.43
12	5.3	8.1	e17	e12	11	178	11	11	2.3	1.7	0.20	0.83
13	5.1	8.7	e17	e12	10	148	9.8	9.4	2.2	2.4	0.22	0.90
14	5.3	8.9	e17	e11	9.9	73	9.0	18	2.2	2.2	0.35	0.93
15	7.3	8.5	72	e11	e11	46	8.1	38	2.1	2.5	0.38	0.76
16	6.7	7.3	61	e11	e53	34	7.4	69	1.9	2.7	0.49	0.62
17	6.0	9.0	66	e11	e230	30	6.8	114	1.9	2.8	0.88	0.58
18	5.6	84	45	e12	e134	29	13	83	1.9	3.2	1.7	0.97
19	5.0	48	32	e14	e76	41	15	35	1.8	2.8	1.4	1.6
20	4.6	78	26	e14	49	48	18	21	1.7	2.7	1.2	1.6
21	4.1	51	22	e15	37	43	16	15	1.6	3.9	1.7	1.4
22	4.6	34	19	e15	e29	34	13	12	1.6	4.6	2.2	1.1
23	9.9	30	16	e14	e26	26	11	10	1.5	4.0	2.2	0.91
24	20	28	14	15	e21	20	9.9	8.8	1.4	3.3	1.8	0.69
25	20	32	13	15	e18	16	9.4	8.4	1.4	5.4	1.6	0.48
26	15	34	12	16	14	14	27	8.3	1.4	10	1.8	0.38
27	12	31	e12	15	13	13	75	8.1	1.3	7.7	4.2	0.31
28	9.7	28	e12	16	12	13	77	6.9	1.1	5.4	4.3	0.30
29	10	23	e13	15	12	13	40	6.0	0.95	4.6	3.6	0.25
30	12	19	e13	13	---	14	26	5.4	0.84	3.9	2.7	0.24
31	12	---	e12	14	---	15	---	5.1	---	4.0	2.1	---
Total	217.3	677.3	673	400	898.9	1,169	562.4	821.3	72.99	93.03	77.60	21.93
Mean	7.01	22.6	21.7	12.9	31.0	37.7	18.7	26.5	2.43	3.00	2.50	0.73
Max	20	84	72	16	230	178	77	114	5.2	10	8.0	1.8
Min	1.6	7.3	11	11	9.9	10	6.8	5.1	0.84	0.72	0.20	0.19
Ac-ft	431	1,340	1,330	793	1,780	2,320	1,120	1,630	145	185	154	43

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	36.2	87.6	94.3	67.2	96.9	74.5	52.1	108	89.7	23.4	4.02	16.5
Max	385	746	694	481	891	319	355	662	1,052	635	25.2	368
(WY)	(1995)	(2005)	(1992)	(1991)	(1992)	(2007)	(1969)	(1975)	(1987)	(2007)	(2007)	(1974)
Min	0.00	0.00	0.00	0.01	0.01	0.65	0.72	0.00	0.00	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1964)	(1964)	(1971)	(1971)	(1984)	(1984)	(1963)	(1962)	(1963)

08109700 Middle Yegua Creek near Dime Box, TX—Continued**SUMMARY STATISTICS**

	Calendar Year 2007	Water Year 2008		Water Years 1962 - 2008	
Annual total	58,001.6		5,684.75		
Annual mean	159		15.5		62.3
Highest annual mean				256	1992
Lowest annual mean				0.55	1964
Highest daily mean	3,690	Jul 7	230	Feb 17	9,470 Dec 22, 1991
Lowest daily mean	1.6	Oct 10	0.19	Sep 10	0.00 Aug 1, 1962
Annual seven-day minimum	2.5	Oct 5	0.29	Sep 5	0.00 Aug 1, 1962
Maximum peak flow			259	Feb 17	12,500 Dec 22, 1991
Maximum peak stage			6.04	Feb 17	15.39 Dec 22, 1991
Annual runoff (ac-ft)	115,000		11,280		45,130
10 percent exceeds	346		34		93
50 percent exceeds	23		10		8.5
90 percent exceeds	6.5		0.96		0.00

