

Water-Data Report 2011

08164000 Lavaca River near Edna, TX

Lavaca Basin
Lavaca Subbasin

LOCATION.--Lat 28°57'35", long 96°41'10" referenced to North American Datum of 1927, Jackson County, TX, Hydrologic Unit 12100101, on left bank at upstream side of upstream bridge of two bridges on U.S. Highway 59, 660 ft upstream from Texas and New Orleans Railroad Co. bridge, and 2.8 mi southwest of Edna.

DRAINAGE AREA.--817 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Aug. 1938 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Aug. 1945 to Aug. 1993.

BIOCHEMICAL DATA: Feb. 1971 to Aug. 1993.

BIOLOGICAL DATA: Nov. 1977 to Aug. 1993.

PESTICIDE DATA: Jan. 1968 to Aug. 1981.

RADIOCHEMICAL DATA: Feb. 1981 to June 1981.

SEDIMENT DATA: Nov. 1977 to Aug. 1993.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Nov. 1977 to Sept. 1981.

WATER TEMPERATURE: Nov. 1977 to Sept. 1981.

REVISED RECORDS.--WSP 1923: 1955. WDR TX-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.10 ft above NGVD of 1929. Prior to Mar. 21, 1961, nonrecording gage. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. Small 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 1880, 33.8 ft, May 25, 1936, discharge, 83,400 ft³/s, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 17	1600	*2,820	*16.19

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	77	41	40	45	52	39	32	19	12	5.7	3.0	0.93
2	73	50	40	42	50	38	32	19	11	5.1	2.9	1.0
3	70	50	41	42	48	37	32	18	11	4.7	2.5	1.0
4	67	69	41	43	47	38	32	18	10	4.6	2.1	0.78
5	64	64	41	45	46	38	31	18	11	4.5	1.6	0.46
6	63	53	40	54	45	37	29	17	11	4.5	1.6	0.31
7	61	48	41	50	45	36	30	17	11	5.0	1.6	0.41
8	60	46	41	47	43	38	30	17	9.7	4.4	1.5	0.46
9	59	45	40	56	45	38	29	17	8.9	4.0	1.3	0.63
10	58	44	41	126	45	37	29	17	8.8	3.7	1.2	0.71
11	59	44	41	148	44	36	28	17	8.6	3.6	1.2	0.62
12	56	43	40	100	44	35	27	20	8.1	3.5	1.1	0.54
13	54	49	40	68	43	36	26	27	7.9	3.4	1.1	0.48
14	52	49	40	57	43	37	26	25	7.7	3.4	1.2	0.37
15	51	46	40	57	43	45	25	22	7.4	3.2	1.1	0.38
16	50	48	42	177	43	41	24	26	6.8	3.3	1.0	0.49
17	49	51	41	2,370	44	37	23	22	6.7	3.3	1.0	0.81
18	49	48	40	1,060	44	37	24	19	6.5	3.4	0.90	4.1
19	48	45	41	239	44	36	24	18	6.1	3.9	0.83	4.4
20	48	44	42	149	43	35	24	18	5.9	5.7	0.76	3.2
21	47	44	43	110	43	35	23	17	6.4	4.7	0.85	2.1
22	47	44	42	89	43	34	23	17	11	3.7	0.86	3.5
23	46	43	42	78	42	34	22	16	12	3.4	0.94	3.5
24	46	44	42	76	41	34	22	15	12	3.2	1.00	2.5
25	46	43	47	70	41	34	22	15	10	2.9	2.1	1.7
26	45	43	45	62	40	34	22	17	9.2	2.6	4.5	1.1
27	45	43	42	59	39	34	21	26	9.2	2.4	3.8	0.89
28	44	43	44	56	40	34	20	18	7.3	2.3	2.3	0.73
29	42	44	49	55	---	33	19	14	7.3	2.4	1.5	0.80
30	40	43	48	55	---	33	19	15	6.5	3.7	1.2	1.0
31	41	---	47	54	---	32	---	13	---	3.4	1.0	---
Mean	53.5	47.0	42.1	185	43.9	36.2	25.7	18.5	8.90	3.79	1.60	1.33
Max	77	69	49	2,370	52	45	32	27	12	5.7	4.5	4.4
Min	40	41	40	42	39	32	19	13	5.9	2.3	0.76	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	463	390	262	298	383	296	467	659	598	276	87.2	374
Max	7,118	3,875	2,400	1,564	5,214	2,696	5,014	3,239	5,005	4,289	713	3,023
(WY)	(1995)	(1999)	(1977)	(1979)	(1992)	(1997)	(1997)	(1982)	(1982)	(1973)	(2007)	(2001)
Min	0.58	0.00	0.19	0.05	10.0	6.58	4.43	8.16	0.72	2.14	0.16	0.13
(WY)	(1991)	(1957)	(1991)	(1957)	(2009)	(1956)	(1956)	(1956)	(1990)	(1954)	(1990)	(1989)

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	Calendar Year 2010	Water Year 2011		Water Years 1938 - 2011	
Annual mean	362		39.1		379
Highest annual mean				1,385	1992
Lowest annual mean				6.12	1956
Highest daily mean	14,900	Sep 10	2,370	Jan 17	122,000
Lowest daily mean	15	Aug 28	0.31	Sep 6	0.00
Annual seven-day minimum	15	Aug 27	0.51	Sep 10	0.00
Maximum peak flow			2,820	Jan 17	150,000
Maximum peak stage			16.19	Jan 17	^a 35.54
10 percent exceeds	415		54		435
50 percent exceeds	77		32		55
90 percent exceeds	31		1.2		9.4

^a From floodmark.

