

08083200 Lake Sweetwater near Sweetwater, TX

Middle Brazos-Clear Fork Basin
Upper Clear Fork Brazos Subbasin

LOCATION.--Lat 32°26'19", long 100°18'12" referenced to North American Datum of 1927, Nolan County, TX, Hydrologic Unit 12060102, 0.2 mi right of intake structure to pump station, on upstream side of dam on Bitter Creek, 6.5 mi southeast of Sweetwater, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--104 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jan. 1936 to Sept. 1969 (daily contents only), Sept. 1969 to Sept. 1974, Mar. 1999 to Sept. 2002 (contents), Oct. 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Freese and Nichols Inc.). Prior to October 1974, nonrecording gages at same site at datum 0.53 ft lower. Satellite telemeter at station.

COOPERATION.--Record of diversions may be obtained from city of Sweetwater.

REMARKS.--Records fair. The lake is formed by a rolled earthfill dam 2,600 ft long. The dam was completed and storage began in 1930. Lake first filled to spillway elevation in 1936. The dam is property of city of Sweetwater and was built to impound water for municipal use; however, none has been used since 1967. Emergency spillway is located just to left of left end of dam and has a concrete ogee-type crest 607.5 ft long. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	2,128.5
Crest of spillway.....	2,116.5
Top of design flood pool.....	2,116.5

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 12,360 acre-ft, June 1, 1957, elevation, 2,117.23 ft; minimum observed, 780 acre-ft, Aug. 17, 1953, elevation, 2,083.07 ft. Maximum elevation 2,111.84 ft, Sept. 30, 2007; minimum elevation 2,077.86 ft, Aug. 01, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,098.49 ft, Oct. 1; minimum elevation, 2,093.46 ft, Sept. 28.

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ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,098.47	2,098.02	2,097.66	2,097.32	2,097.31	2,097.03	2,096.57	2,096.03	2,095.51	2,094.79	2,094.59	2,093.88
2	2,098.46	2,098.02	2,097.65	2,097.30	2,097.30	2,097.02	2,096.55	2,095.99	2,095.48	2,094.75	2,094.57	2,093.86
3	2,098.45	2,098.00	2,097.65	2,097.29	2,097.30	2,097.03	2,096.53	2,095.96	2,095.47	2,094.72	2,094.53	2,093.84
4	2,098.42	2,097.99	2,097.63	2,097.30	2,097.29	2,097.00	2,096.52	2,095.95	2,095.45	2,094.69	2,094.49	2,093.81
5	2,098.40	2,097.98	2,097.62	2,097.31	2,097.28	2,096.97	2,096.51	2,095.93	2,095.41	2,094.66	2,094.46	2,093.78
6	2,098.37	2,097.97	2,097.62	2,097.29	2,097.28	2,096.96	2,096.50	2,095.92	2,095.40	2,094.63	2,094.43	2,093.76
7	2,098.34	2,097.96	2,097.60	2,097.29	2,097.27	2,096.96	2,096.49	2,095.91	2,095.39	2,094.59	2,094.40	2,093.74
8	2,098.33	2,097.95	2,097.59	2,097.29	2,097.25	2,096.95	2,096.48	2,095.91	2,095.37	2,094.57	2,094.40	2,093.73
9	2,098.33	2,097.94	2,097.58	2,097.36	2,097.27	2,096.95	2,096.47	2,095.92	2,095.36	2,094.55	2,094.40	2,093.70
10	2,098.30	2,097.94	2,097.55	2,097.44	2,097.23	2,096.92	2,096.43	2,095.95	2,095.35	2,094.51	2,094.38	2,093.68
11	2,098.30	2,097.90	2,097.54	2,097.45	2,097.21	2,096.90	2,096.42	2,095.96	2,095.32	2,094.49	2,094.36	2,093.65
12	2,098.30	2,097.86	2,097.53	2,097.44	2,097.20	2,096.89	2,096.41	2,095.95	2,095.29	2,094.48	2,094.35	2,093.62
13	2,098.30	2,097.85	2,097.52	2,097.42	2,097.19	2,096.86	2,096.39	2,095.93	2,095.26	2,094.45	2,094.32	2,093.60
14	2,098.28	2,097.83	2,097.52	2,097.41	2,097.18	2,096.86	2,096.36	2,095.92	2,095.23	2,094.41	2,094.31	2,093.59
15	2,098.26	2,097.82	2,097.50	2,097.40	2,097.16	2,096.84	2,096.34	2,095.91	2,095.20	2,094.44	2,094.29	2,093.57
16	2,098.25	2,097.81	2,097.49	2,097.40	2,097.15	2,096.82	2,096.34	2,095.92	2,095.17	2,094.66	2,094.26	2,093.56
17	2,098.23	2,097.81	2,097.48	2,097.39	2,097.16	2,096.80	2,096.34	2,095.91	2,095.15	2,094.83	2,094.24	2,093.58
18	2,098.20	2,097.80	2,097.47	2,097.39	2,097.14	2,096.78	2,096.29	2,095.90	2,095.17	2,094.88	2,094.21	2,093.57
19	2,098.19	2,097.79	2,097.47	2,097.39	2,097.11	2,096.77	2,096.26	2,095.84	2,095.16	2,094.87	2,094.18	2,093.56
20	2,098.18	2,097.78	2,097.43	2,097.38	2,097.12	2,096.74	2,096.25	2,095.80	2,095.14	2,094.86	2,094.14	2,093.60
21	2,098.18	2,097.77	2,097.41	2,097.37	2,097.13	2,096.73	2,096.21	2,095.77	2,095.11	2,094.85	2,094.11	2,093.61
22	2,098.18	2,097.78	2,097.41	2,097.37	2,097.11	2,096.70	2,096.20	2,095.75	2,095.08	2,094.83	2,094.09	2,093.59
23	2,098.18	2,097.75	2,097.40	2,097.37	2,097.10	2,096.69	2,096.16	2,095.72	2,095.04	2,094.81	2,094.07	2,093.58
24	2,098.18	2,097.74	2,097.39	2,097.37	2,097.10	2,096.68	2,096.13	2,095.70	2,095.00	2,094.79	2,094.06	2,093.55
25	2,098.15	2,097.73	2,097.38	2,097.36	2,097.07	2,096.64	2,096.12	2,095.68	2,094.97	2,094.76	2,094.04	2,093.53
26	2,098.11	2,097.72	2,097.36	2,097.36	2,097.06	2,096.64	2,096.11	2,095.66	2,094.93	2,094.74	2,094.02	2,093.51
27	2,098.08	2,097.69	2,097.36	2,097.37	2,097.05	2,096.64	2,096.09	2,095.66	2,094.90	2,094.70	2,093.99	2,093.49
28	2,098.08	2,097.69	2,097.34	2,097.37	2,097.03	2,096.62	2,096.09	2,095.62	2,094.86	2,094.68	2,093.98	2,093.65
29	2,098.06	2,097.69	2,097.33	2,097.36	---	2,096.61	2,096.07	2,095.62	2,094.84	2,094.66	2,093.95	2,093.74
30	2,098.05	2,097.68	2,097.33	2,097.33	---	2,096.59	2,096.05	2,095.58	2,094.81	2,094.63	2,093.93	2,093.73
31	2,098.03	---	2,097.33	2,097.32	---	2,096.58	---	2,095.56	---	2,094.61	2,093.90	---
Mean	2,098.25	2,097.84	2,097.49	2,097.36	2,097.18	2,096.81	2,096.32	2,095.83	2,095.19	2,094.67	2,094.24	2,093.66
Max	2,098.47	2,098.02	2,097.66	2,097.45	2,097.31	2,097.03	2,096.57	2,096.03	2,095.51	2,094.88	2,094.59	2,093.88
Min	2,098.03	2,097.68	2,097.33	2,097.29	2,097.03	2,096.58	2,096.05	2,095.56	2,094.81	2,094.41	2,093.90	2,093.49

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