07312180 Lake Electra near Electra, TX

Red-Lake Texoma Basin
Southern Beaver Subbasin

LOCATION.--Lat 33°58′30″, long 99°01′24″ referenced to North American Datum of 1927, Wilbarger County, TX, Hydrologic Unit 11130207, on northern bank near left end of dam on Camp Creek, 8.0 mi west of Electra.

DRAINAGE AREA.--14.5 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1998 to Sept. 2002 (daily mean contents), Oct. 2002 to current year (daily mean elevation).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Satellite telemeter at station.

COOPERATION.--City of Electra.

REMARKS.--Records good. The lake is formed by a rolled earthfill dam. The dam was completed in 1950, and storage began shortly thereafter. The lake is owned by the city of Electra, which uses the water for their municipal supply. Conservation pool storage is 8,055 acre-ft. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	1,121.00
Lowest gated outlet (invert).....	1,110.00

EXTREMES FOR PERIOD OF RECORD.--(period of daily mean contents) Maximum contents, 1,960 acre-ft, Oct. 2, 1998, elevation, 1,103.52 ft; minimum estimated daily contents, 235 acre-ft, Oct. 15, 2000; (period of daily mean elevation) maximum elevation, 1,104.96 ft, July 13, 2007; minimum elevation, 1,090.44 ft, July 26, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,103.75 ft, Oct. 1; minimum elevation, 1,100.39 ft, Sept. 30.

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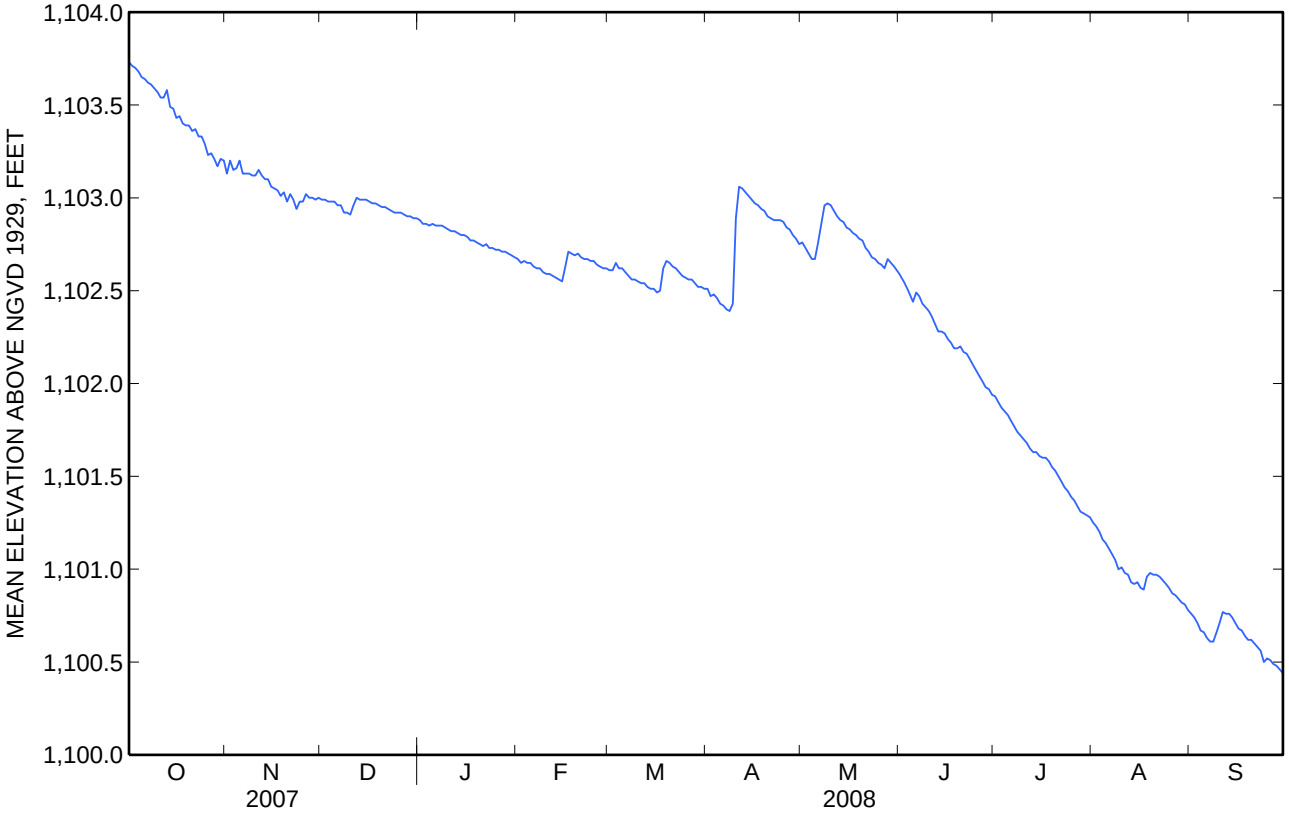
ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,103.73	1,103.13	1,102.99	1,102.88	1,102.67	1,102.61	1,102.51	1,102.76	1,102.58	1,101.93	1,101.25	1,100.76
2	1,103.71	1,103.20	1,102.99	1,102.86	1,102.65	1,102.61	1,102.47	1,102.73	1,102.55	1,101.90	1,101.23	1,100.74
3	1,103.70	1,103.15	1,102.98	1,102.86	1,102.66	1,102.65	1,102.48	1,102.70	1,102.52	1,101.87	1,101.20	1,100.71
4	1,103.68	1,103.16	1,102.98	1,102.85	1,102.65	1,102.62	1,102.46	1,102.67	1,102.48	1,101.85	1,101.16	1,100.67
5	1,103.65	1,103.20	1,102.98	1,102.86	1,102.65	1,102.62	1,102.43	1,102.67	1,102.44	1,101.83	1,101.14	1,100.66
6	1,103.64	1,103.13	1,102.96	1,102.85	1,102.63	1,102.60	1,102.42	1,102.76	1,102.49	1,101.80	1,101.11	1,100.63
7	1,103.62	1,103.13	1,102.96	1,102.85	1,102.62	1,102.58	1,102.40	1,102.86	1,102.47	1,101.77	1,101.08	1,100.61
8	1,103.61	1,103.13	1,102.92	1,102.85	1,102.62	1,102.56	1,102.39	1,102.96	1,102.43	1,101.74	1,101.05	1,100.61
9	1,103.59	1,103.12	1,102.92	1,102.84	1,102.60	1,102.56	1,102.43	1,102.97	1,102.41	1,101.72	1,101.00	1,100.66
10	1,103.57	1,103.12	1,102.91	1,102.83	1,102.59	1,102.55	1,102.89	1,102.96	1,102.39	1,101.70	1,101.01	1,100.71
11	1,103.54	1,103.15	1,102.96	1,102.82	1,102.59	1,102.54	1,103.06	1,102.93	1,102.36	1,101.68	1,100.98	1,100.77
12	1,103.54	1,103.12	1,103.00	1,102.82	1,102.58	1,102.54	1,103.05	1,102.90	1,102.32	1,101.65	1,100.97	1,100.76
13	1,103.58	1,103.10	1,102.99	1,102.81	1,102.57	1,102.52	1,103.03	1,102.88	1,102.28	1,101.63	1,100.93	1,100.76
14	1,103.49	1,103.10	1,102.99	1,102.80	1,102.56	1,102.51	1,103.01	1,102.87	1,102.28	1,101.63	1,100.92	1,100.74
15	1,103.48	1,103.06	1,102.99	1,102.80	1,102.55	1,102.51	1,102.99	1,102.84	1,102.27	1,101.61	1,100.93	1,100.71
16	1,103.43	1,103.05	1,102.98	1,102.79	1,102.63	1,102.49	1,102.97	1,102.83	1,102.24	1,101.60	1,100.90	1,100.68
17	1,103.44	1,103.04	1,102.97	1,102.77	1,102.71	1,102.50	1,102.96	1,102.81	1,102.22	1,101.60	1,100.89	1,100.67
18	1,103.40	1,103.01	1,102.97	1,102.77	1,102.70	1,102.62	1,102.94	1,102.80	1,102.19	1,101.58	1,100.96	1,100.64
19	1,103.39	1,103.03	1,102.96	1,102.76	1,102.69	1,102.66	1,102.93	1,102.78	1,102.19	1,101.55	1,100.98	1,100.62
20	1,103.39	1,102.98	1,102.95	1,102.75	1,102.70	1,102.65	1,102.90	1,102.77	1,102.20	1,101.53	1,100.97	1,100.62
21	1,103.36	1,103.02	1,102.95	1,102.74	1,102.68	1,102.63	1,102.89	1,102.73	1,102.17	1,101.50	1,100.97	1,100.60
22	1,103.37	1,102.99	1,102.94	1,102.75	1,102.67	1,102.62	1,102.88	1,102.71	1,102.16	1,101.47	1,100.96	1,100.58
23	1,103.33	1,102.94	1,102.93	1,102.73	1,102.67	1,102.60	1,102.88	1,102.68	1,102.13	1,101.44	1,100.94	1,100.56
24	1,103.33	1,102.98	1,102.92	1,102.73	1,102.66	1,102.58	1,102.88	1,102.67	1,102.10	1,101.42	1,100.92	1,100.50
25	1,103.29	1,102.98	1,102.92	1,102.72	1,102.66	1,102.57	1,102.87	1,102.65	1,102.07	1,101.39	1,100.90	1,100.52
26	1,103.23	1,103.02	1,102.92	1,102.72	1,102.64	1,102.56	1,102.84	1,102.64	1,102.04	1,101.37	1,100.87	1,100.51
27	1,103.24	1,103.00	1,102.91	1,102.71	1,102.63	1,102.56	1,102.83	1,102.62	1,102.01	1,101.34	1,100.86	1,100.49
28	1,103.21	1,103.00	1,102.90	1,102.71	1,102.62	1,102.54	1,102.80	1,102.67	1,101.98	1,101.31	1,100.84	1,100.48
29	1,103.17	1,102.99	1,102.90	1,102.70	1,102.62	1,102.52	1,102.78	1,102.65	1,101.97	1,101.30	1,100.82	1,100.46
30	1,103.21	1,103.00	1,102.89	1,102.69	---	1,102.52	1,102.75	1,102.63	1,101.94	1,101.29	1,100.81	1,100.44
31	1,103.20	---	1,102.89	1,102.68	---	1,102.51	---	1,102.61	---	1,101.28	1,100.78	---
Mean	1,103.46	1,103.07	1,102.95	1,102.78	1,102.64	1,102.57	1,102.77	1,102.77	1,102.26	1,101.59	1,100.98	1,100.63
Max	1,103.73	1,103.20	1,103.00	1,102.88	1,102.71	1,102.66	1,103.06	1,102.97	1,102.58	1,101.93	1,101.25	1,100.77
Min	1,103.17	1,102.94	1,102.89	1,102.68	1,102.55	1,102.49	1,102.39	1,102.61	1,101.94	1,101.28	1,100.78	1,100.44

	Calendar Year 2007	Water Year 2008
Mean	1,100.98	1,102.37
Max	1,104.95	1,103.73
Min	1,097.19	1,100.44

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