Water-Data Report 2010

08019900 Lake Gladewater near Gladewater, TX

Sabine Basin
Middle Sabine Subbasin

LOCATION.--Lat 32°33′22″, long 94°57′26″ referenced to North American Datum of 1927, Upshur County, TX, Hydrologic Unit 12010002, located in control tower 20 ft upstream from the centerline of dam, 400 ft right of left bank, approximately 1.5 mi from Gladewater.

DRAINAGE AREA.--42.0 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Mar. 1999 to Sept. 2000 (contents), Oct. 2000 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Dec. 1961 to Feb. 1962.
BIOCHEMICAL DATA: Dec. 1961 to Feb. 1962.

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

REMARKS.--Records good. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically. The lake is formed by a rolled earthfill dam. The dam was completed and storage began in 1952. An uncontrolled spillway has been cut through natural ground, and is located about 304 ft above mean sea level. The dam was built by the City of Gladewater to impound water for municipal use. There was no known diversion from the lake during the current water year. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	312.0
Crest of emergency spillway.....	304.0
Crest of service spillway.....	300.0

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 5,470 acre-ft, May 4, 2000, elevation, 301.51 ft; minimum contents, 3,680 acre-ft, Sept. 30, 2000, elevation, 297.67 ft; maximum elevation, 303.69 ft, June 16, 2007; minimum elevation, 296.17 ft, Oct. 24, 2006.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 302.08 ft, Oct. 13 and 14; minimum elevation, 298.77 ft, Sept. 30.

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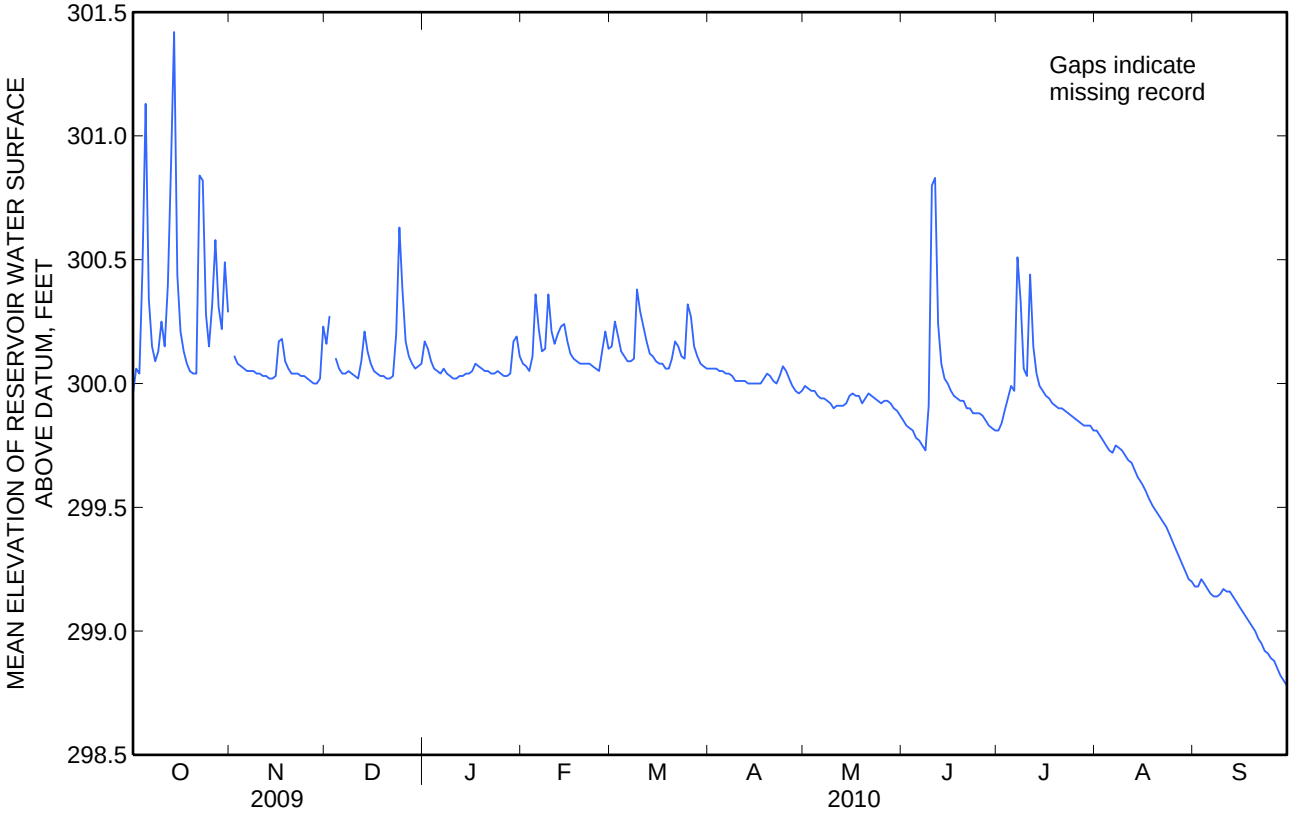
ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	299.96	---	300.16	300.17	300.08	300.15	300.06	299.99	299.85	299.81	299.81	299.18
2	300.06	300.11	300.27	300.14	300.07	300.25	300.06	299.98	299.83	299.84	299.79	299.18
3	300.04	300.08	---	300.09	300.05	300.19	300.06	299.97	299.82	299.89	299.77	299.21
4	300.46	300.07	300.10	300.06	300.11	300.13	300.05	299.97	299.81	299.94	299.75	299.19
5	301.13	300.06	300.06	300.05	300.36	300.11	300.05	299.95	299.78	299.99	299.73	299.17
6	300.34	300.05	300.04	300.04	300.22	300.09	300.04	299.94	299.77	299.97	299.72	299.15
7	300.15	300.05	300.04	300.06	300.13	300.09	300.04	299.94	299.75	300.51	299.75	299.14
8	300.09	300.05	300.05	300.04	300.14	300.10	300.03	299.93	299.73	300.33	299.74	299.14
9	300.13	300.04	300.04	300.03	300.36	300.38	300.01	299.92	299.91	300.06	299.73	299.15
10	300.25	300.04	300.03	300.02	300.21	300.29	300.01	299.90	300.80	300.03	299.71	299.17
11	300.15	300.03	300.02	300.02	300.16	300.23	300.01	299.91	300.83	300.44	299.69	299.16
12	300.40	300.03	300.09	300.03	300.20	300.17	300.01	299.91	300.24	300.15	299.68	299.16
13	300.89	300.02	300.21	300.03	300.23	300.12	300.00	299.91	300.08	300.04	299.65	299.14
14	301.42	300.02	300.13	300.04	300.24	300.11	300.00	299.92	300.02	299.99	299.62	299.12
15	300.44	300.03	300.08	300.04	300.17	300.09	300.00	299.95	300.00	299.97	299.60	299.10
16	300.21	300.17	300.05	300.05	300.12	300.08	300.00	299.96	299.97	299.95	299.58	299.08
17	300.13	300.18	300.04	300.08	300.10	300.08	300.00	299.95	299.95	299.94	299.55	299.06
18	300.08	300.09	300.03	300.07	300.09	300.06	300.02	299.95	299.94	299.92	299.52	299.04
19	300.05	300.06	300.03	300.06	300.08	300.06	300.04	299.92	299.93	299.91	299.50	299.02
20	300.04	300.04	300.02	300.05	300.08	300.10	300.03	299.94	299.93	299.90	299.48	299.00
21	300.04	300.04	300.02	300.05	300.08	300.17	300.01	299.96	299.90	299.90	299.46	298.97
22	300.84	300.04	300.03	300.04	300.08	300.15	300.00	299.95	299.90	299.89	299.44	298.95
23	300.82	300.03	300.20	300.04	300.07	300.11	300.03	299.94	299.88	299.88	299.42	298.92
24	300.28	300.03	300.63	300.05	300.06	300.10	300.07	299.93	299.88	299.87	299.39	298.91
25	300.15	300.02	300.38	300.04	300.05	300.32	300.05	299.92	299.88	299.86	299.36	298.89
26	300.32	300.01	300.17	300.03	300.13	300.27	300.02	299.93	299.87	299.85	299.33	298.88
27	300.58	300.00	300.11	300.03	300.21	300.15	299.99	299.93	299.85	299.84	299.30	298.85
28	300.31	300.00	300.08	300.04	300.14	300.11	299.97	299.92	299.83	299.83	299.27	298.82
29	300.22	300.02	300.06	300.17	---	300.08	299.96	299.90	299.82	299.83	299.24	298.80
30	300.49	300.23	300.07	300.19	---	300.07	299.97	299.89	299.81	299.83	299.21	298.78
31	300.29	---	300.08	300.11	---	300.06	---	299.87	---	299.81	299.20	---
Mean	300.35	---	---	300.06	300.14	300.14	300.02	299.93	299.95	299.97	299.55	299.04
Max	301.42	---	---	300.19	300.36	300.38	300.07	299.99	300.83	300.51	299.81	299.21
Min	299.96	---	---	300.02	300.05	300.06	299.96	299.87	299.73	299.81	299.20	298.78

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