Water-Data Report 2012

08064510 Halbert Lake near Corsicana, TX

Upper Trinity Basin
Chambers Subbasin

LOCATION.--Lat 32°04′16″, long 96°24′57″ referenced to North American Datum of 1927, Navarro County, TX, Hydrologic Unit 12030109, on fishing pier approximately 0.7 mi upstream of dam on left bank, and 3.0 mi southeast of Corsicana.

DRAINAGE AREA.--12.0 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Apr. 1999 to Sept. 2002 (contents), Oct. 2002 to current year.

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

REMARKS.--Records good except daily mean elevations for July, which are poor. The lake is formed by a rolled earthfill dam 2,780 ft long. The dam was completed and storage began in 1921. An uncontrolled concrete chute spillway 175 ft long is located on the left (west) embankment. The dam was built by the City of Corsicana 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.....	375.0
Crest of spillway.....	368.0

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 5,530 acre-ft, Apr. 8, 2002, elevation, 367.12 ft; maximum elevation, 369.52 ft, Mar. 20, 2012; minimum contents, 2,670 acre-ft, Feb. 17, 18, 2000, elevation, 361.17 ft; minimum elevation, 357.72 ft, Oct. 31, 2006.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 369.52 ft, Mar. 20; minimum elevation, 360.73 ft, Oct. 4.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 08064510, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/08064510.2012.pdf

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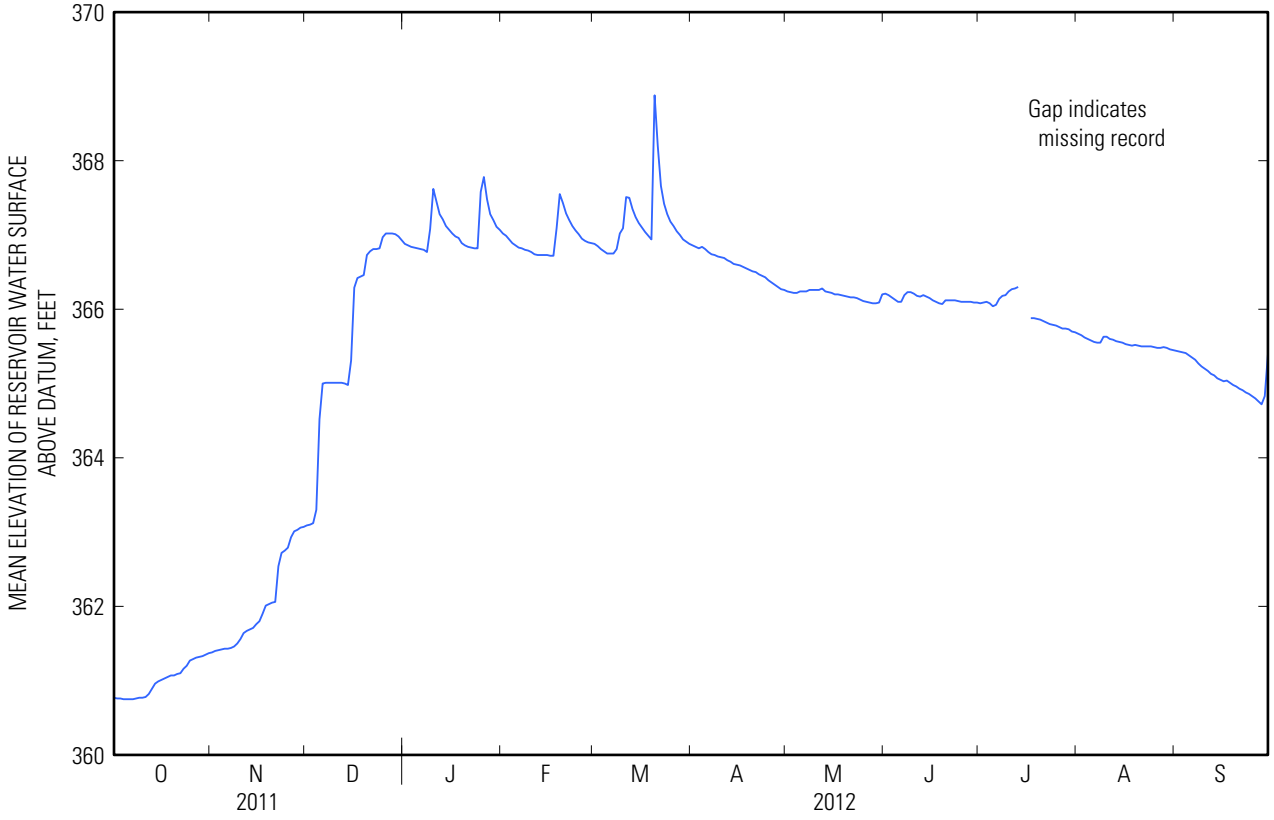
ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	360.77	361.38	363.09	366.88	367.02	366.88	366.86	366.24	366.21	366.08	365.67	365.44
2	360.76	361.40	363.10	366.86	366.99	366.85	366.84	366.23	366.19	366.09	365.65	365.43
3	360.76	361.41	363.12	366.84	366.94	366.81	366.82	366.22	366.16	366.10	365.62	365.42
4	360.75	361.42	363.30	366.83	366.89	366.78	366.84	366.22	366.13	366.08	365.60	365.41
5	360.75	361.43	364.52	366.82	366.86	366.75	366.81	366.24	366.10	366.04	365.58	365.38
6	360.75	361.43	365.00	366.81	366.83	366.75	366.77	366.24	366.10	366.06	365.56	365.35
7	360.75	361.44	365.01	366.80	366.82	366.75	366.74	366.24	366.19	366.14	365.55	365.32
8	360.76	361.46	365.01	366.77	366.80	366.81	366.73	366.26	366.23	366.18	365.55	365.27
9	360.77	361.50	365.01	367.08	366.79	367.02	366.71	366.26	366.23	366.19	365.63	365.23
10	360.77	361.56	365.01	367.62	366.77	367.09	366.70	366.26	366.21	366.24	365.63	365.20
11	360.78	361.64	365.01	367.45	366.74	367.51	366.69	366.26	366.18	366.27	365.60	365.17
12	360.82	361.67	365.01	367.28	366.73	367.50	366.66	366.28	366.17	366.28	365.59	365.13
13	360.89	361.69	365.00	367.21	366.73	367.35	366.64	366.24	366.19	366.30	365.57	365.11
14	360.96	361.71	364.98	367.12	366.73	367.24	366.61	366.23	366.17	---	365.56	365.07
15	360.99	361.76	365.31	367.07	366.73	367.16	366.60	366.22	366.15	---	365.55	365.05
16	361.01	361.80	366.29	367.02	366.72	367.10	366.59	366.20	366.12	---	365.53	365.03
17	361.03	361.90	366.42	366.98	366.72	367.04	366.57	366.20	366.10	365.88	365.52	365.04
18	361.05	362.01	366.44	366.96	367.09	366.99	366.55	366.19	366.08	365.88	365.51	365.01
19	361.07	362.03	366.46	366.89	367.55	366.94	366.53	366.18	366.07	365.87	365.52	364.98
20	361.07	362.05	366.73	366.86	367.43	368.88	366.51	366.17	366.12	365.86	365.51	364.96
21	361.09	362.06	366.78	366.84	367.29	368.20	366.50	366.16	366.12	365.84	365.50	364.93
22	361.10	362.54	366.81	366.83	367.20	367.66	366.47	366.16	366.12	365.82	365.50	364.91
23	361.16	362.72	366.81	366.82	367.12	367.42	366.45	366.15	366.12	365.80	365.50	364.88
24	361.20	362.75	366.82	366.82	367.06	367.28	366.43	366.13	366.11	365.79	365.50	364.86
25	361.27	362.79	366.97	367.58	367.01	367.18	366.39	366.11	366.10	365.78	365.49	364.83
26	361.29	362.93	367.02	367.78	366.95	367.12	366.36	366.10	366.10	365.76	365.48	364.80
27	361.31	363.01	367.02	367.48	366.92	367.05	366.33	366.09	366.10	365.74	365.48	364.76
28	361.32	363.03	367.02	367.28	366.90	367.00	366.30	366.08	366.10	365.74	365.49	364.72
29	361.33	363.06	367.01	367.20	366.89	366.94	366.27	366.08	366.09	365.73	365.48	364.83
30	361.35	363.07	366.98	367.11	---	366.91	366.26	366.09	366.09	365.70	365.46	365.39
31	361.37	---	366.93	367.07	---	366.88	---	366.20	---	365.69	365.45	---
Mean	361.00	362.02	365.68	367.06	366.94	367.16	366.58	366.19	366.14	---	365.54	365.10
Max	361.37	363.07	367.02	367.78	367.55	368.88	366.86	366.28	366.23	---	365.67	365.44
Min	360.75	361.38	363.09	366.77	366.72	366.75	366.26	366.08	366.07	---	365.45	364.72

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