Water-Data Report 2012

08086215 Lake Cisco near Cisco, TX

Middle Brazos-Clear Fork Basin
Hubbard Subbasin

LOCATION.--Lat 32°26′16″, long 98°59′07″ referenced to North American Datum of 1927, Eastland County, TX, Hydrologic Unit 12060105, on right bank 58 ft upstream from Williamson Dam on Sandy Creek, 0.2 mi west of State Highway 6, 1.4 mi north of Cisco Airport, and 4.0 mi north of Cisco.

DRAINAGE AREA.--26.7 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Feb. 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.

COOPERATION.--Records of diversions may be obtained from the city of Cisco.

REMARKS.--Records good. The lake is formed by a 1,064-ft-long Ambursen-type, slab and buttress, all concrete dam structure. A 270-ft long, uncontrolled, ogee-type spillway with a hollow core is an integral part of the dam. The outlet works consist of two 8.0- by 8.0-ft steel sluice gates that are inoperative and four cast-iron pipes through the upstream slab at different elevations that are permanently open to inflow. Reportedly, a 30-inch line extends from the water intake arrangement to the nearby pumphouse and filtration/treatment plant. A 12-inch low-flow outlet connected to the primary water-supply line will discharge into a concrete sluice box and enters the old abandoned swimming pool below the dam through an underground concrete conduit. The dam, owned by the city of Cisco, was completed Sept. 7, 1923. Water is impounded for municipal use by city of Cisco. The city of Cisco has a permit to divert 1,000 acre-ft annually from Battle Creek. The capacity curve is based on 10 ft contours by the Henry Exall Elrod Company in May 24, 1920. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam	1,531.6
Crest of spillway	1,520.0
Lowest gated outlet (invert)	1,444.5

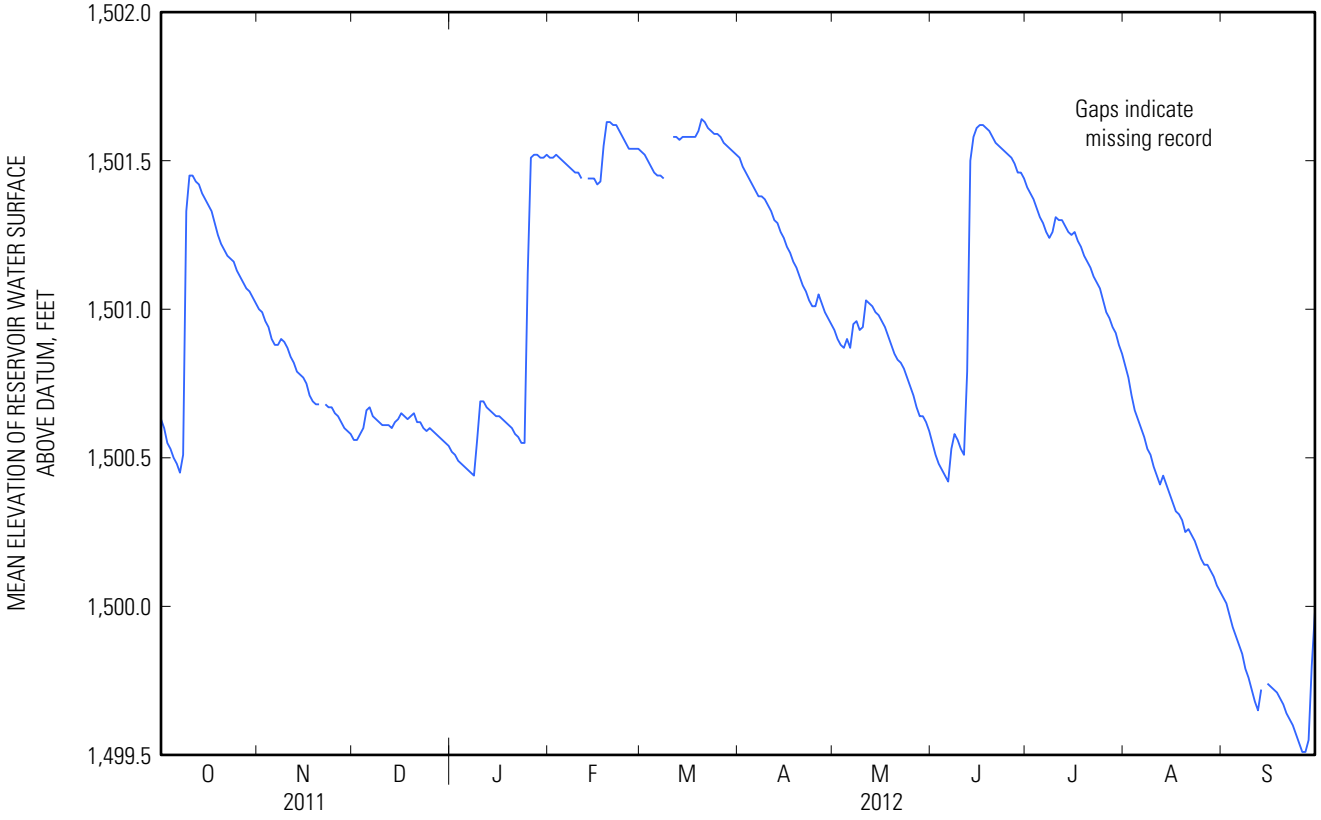
EXTREMES FOR PERIOD OF RECORD.--Feb. 1999 to Sept. 2002: Maximum contents, 18,080 acre-ft, June 26, 1999; minimum estimated daily contents, 10,500 acre-ft, July 2, 2002; Feb. 1999 to current year: Maximum elevation, 1,516.44 ft, July 13-14, Aug. 17-18, 2007; minimum elevation, 1,496.97 ft, Oct. 3, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,501.65 ft, Mar. 20, 21; minimum elevation, 1,499.49 ft, Sept. 27.

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 08086215, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/08086215.2012.pdf

08086215 Lake Cisco near Cisco, TX—Continued

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	1,500.63	1,501.00	1,500.56	1,500.52	1,501.51	1,501.53	1,501.51	1,500.93	1,500.55	1,501.41	1,500.81	1,500.03
2	1,500.60	1,500.99	1,500.56	1,500.51	1,501.51	1,501.52	1,501.48	1,500.90	1,500.51	1,501.39	1,500.77	1,500.01
3	1,500.55	1,500.96	1,500.58	1,500.49	1,501.52	1,501.50	1,501.46	1,500.88	1,500.48	1,501.37	1,500.71	1,499.97
4	1,500.53	1,500.94	1,500.60	1,500.48	1,501.51	1,501.48	1,501.44	1,500.87	1,500.46	1,501.34	1,500.66	1,499.93
5	1,500.50	1,500.90	1,500.66	1,500.47	1,501.50	1,501.46	1,501.42	1,500.90	1,500.44	1,501.31	1,500.63	1,499.90
6	1,500.48	1,500.88	1,500.67	1,500.46	1,501.49	1,501.45	1,501.40	1,500.87	1,500.42	1,501.29	1,500.60	1,499.87
7	1,500.45	1,500.88	1,500.64	1,500.45	1,501.48	1,501.45	1,501.38	1,500.95	1,500.53	1,501.26	1,500.57	1,499.84
8	1,500.51	1,500.90	1,500.63	1,500.44	1,501.47	1,501.44	1,501.38	1,500.96	1,500.58	1,501.24	1,500.53	1,499.79
9	1,501.33	1,500.89	1,500.62	1,500.56	1,501.46	---	1,501.37	1,500.93	1,500.56	1,501.26	1,500.51	1,499.76
10	1,501.45	1,500.87	1,500.61	1,500.69	1,501.46	---	1,501.35	1,500.94	1,500.53	1,501.31	1,500.47	1,499.72
11	1,501.45	1,500.84	1,500.61	1,500.69	1,501.44	1,501.58	1,501.33	1,501.03	1,500.51	1,501.30	1,500.44	1,499.68
12	1,501.43	1,500.82	1,500.61	1,500.67	---	1,501.58	1,501.30	1,501.02	1,500.79	1,501.30	1,500.41	1,499.65
13	1,501.42	1,500.79	1,500.60	1,500.66	1,501.44	1,501.57	1,501.29	1,501.01	1,501.50	1,501.28	1,500.44	1,499.72
14	1,501.39	1,500.78	1,500.62	1,500.65	1,501.44	1,501.58	1,501.26	1,500.99	1,501.58	1,501.26	1,500.41	---
15	1,501.37	1,500.77	1,500.63	1,500.64	1,501.44	1,501.58	1,501.24	1,500.98	1,501.61	1,501.25	1,500.38	1,499.74
16	1,501.35	1,500.75	1,500.65	1,500.64	1,501.42	1,501.58	1,501.21	1,500.96	1,501.62	1,501.26	1,500.35	1,499.73
17	1,501.33	1,500.71	1,500.64	1,500.63	1,501.43	1,501.58	1,501.19	1,500.94	1,501.62	1,501.23	1,500.32	1,499.72
18	1,501.29	1,500.69	1,500.63	1,500.62	1,501.55	1,501.58	1,501.16	1,500.91	1,501.61	1,501.21	1,500.31	1,499.71
19	1,501.25	1,500.68	1,500.64	1,500.61	1,501.63	1,501.60	1,501.14	1,500.88	1,501.60	1,501.18	1,500.29	1,499.69
20	1,501.22	1,500.68	1,500.65	1,500.60	1,501.63	1,501.64	1,501.11	1,500.85	1,501.58	1,501.16	1,500.25	1,499.67
21	1,501.20	---	1,500.62	1,500.58	1,501.62	1,501.63	1,501.08	1,500.83	1,501.56	1,501.14	1,500.26	1,499.64
22	1,501.18	1,500.68	1,500.62	1,500.57	1,501.62	1,501.61	1,501.06	1,500.82	1,501.55	1,501.11	1,500.24	1,499.62
23	1,501.17	1,500.67	1,500.60	1,500.55	1,501.60	1,501.60	1,501.03	1,500.80	1,501.54	1,501.09	1,500.22	1,499.60
24	1,501.16	1,500.67	1,500.59	1,500.55	1,501.58	1,501.59	1,501.01	1,500.77	1,501.53	1,501.07	1,500.19	1,499.57
25	1,501.13	1,500.65	1,500.60	1,501.12	1,501.56	1,501.59	1,501.01	1,500.74	1,501.52	1,501.03	1,500.16	1,499.54
26	1,501.11	1,500.64	1,500.59	1,501.51	1,501.54	1,501.58	1,501.05	1,500.71	1,501.51	1,500.99	1,500.14	1,499.51
27	1,501.09	1,500.62	1,500.58	1,501.52	1,501.54	1,501.56	1,501.02	1,500.67	1,501.49	1,500.97	1,500.14	1,499.51
28	1,501.07	1,500.60	1,500.57	1,501.52	1,501.54	1,501.55	1,500.99	1,500.64	1,501.46	1,500.94	1,500.12	1,499.55
29	1,501.06	1,500.59	1,500.56	1,501.51	1,501.54	1,501.54	1,500.97	1,500.64	1,501.46	1,500.92	1,500.10	1,499.80
30	1,501.04	1,500.58	1,500.55	1,501.51	---	1,501.53	1,500.95	1,500.62	1,501.44	1,500.88	1,500.07	1,499.98
31	1,501.02	---	1,500.54	1,501.52	---	1,501.52	---	1,500.59	---	1,500.85	1,500.05	---
Mean	1,501.06	---	1,500.61	1,500.77	---	---	1,501.22	1,500.86	1,501.14	1,501.18	1,500.37	---
Max	1,501.45	---	1,500.67	1,501.52	---	---	1,501.51	1,501.03	1,501.62	1,501.41	1,500.81	---
Min	1,500.45	---	1,500.54	1,500.44	---	---	1,500.95	1,500.59	1,500.42	1,500.85	1,500.05	---

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