07344484 Lake Cypress Springs near Mount Vernon, TX

Big Cypress-Sulphur Basin
Lake O'the Pines Subbasin

LOCATION.--Lat 33°03′58″, long 95°09′32″ referenced to North American Datum of 1983, Franklin County, TX, Hydrologic Unit 11140305, located on north shore of lake near lake patrol office, approximately 1.0 mi upstream of centerline of dam on Big Cypress Creek, 2.5 mi upstream from Andy's Creek, 2.1 mi downstream from Panther Creek, and 10.3 mi southeast of Mount Vernon.

DRAINAGE AREA.--75.0 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1973 to Sept. 1991, June 1998 to Sept. 2002 (contents), Oct. 2002 to current year.

PERIOD OF RECORD, Water-Quality.--
CHEMICAL DATA: July 1975 to Apr. 1984.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Apr. 24, 1977, recording gage located at left end of dam. Apr. 25, 1977 to Sept. 30, 1991, recording gage located in brick meter house near center of dam. 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 5,230 ft long. The dam is owned by the Franklin County Water District and the Texas Water Development Board. Deliberate impoundment began July 7, 1970, and the dam was completed Feb. 15, 1971. The spillway is an excavated channel cut through natural ground 1,000 ft wide, located to the left of left end of dam. The service spillway is a rectangular 23- by 23-ft drop inlet located near the right end of dam. The low-flow outlet works consist of an 18 in diameter concrete pipe that has duplicate valve controls and discharges into the service spillway conduit. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam	397.0
Crest of spillway	385.0
Lowest gated outlet (invert)	317.75

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 85,050 acre-ft, Dec. 26, 1988, elevation, 381.33 ft; maximum elevation, 381.45 ft, May 3, 2009. Minimum contents, 59,440 acre-ft, Nov. 12-14, 1978, elevation, 373.79 ft; minimum elevation, 372.92 ft, Nov. 5, 2006.

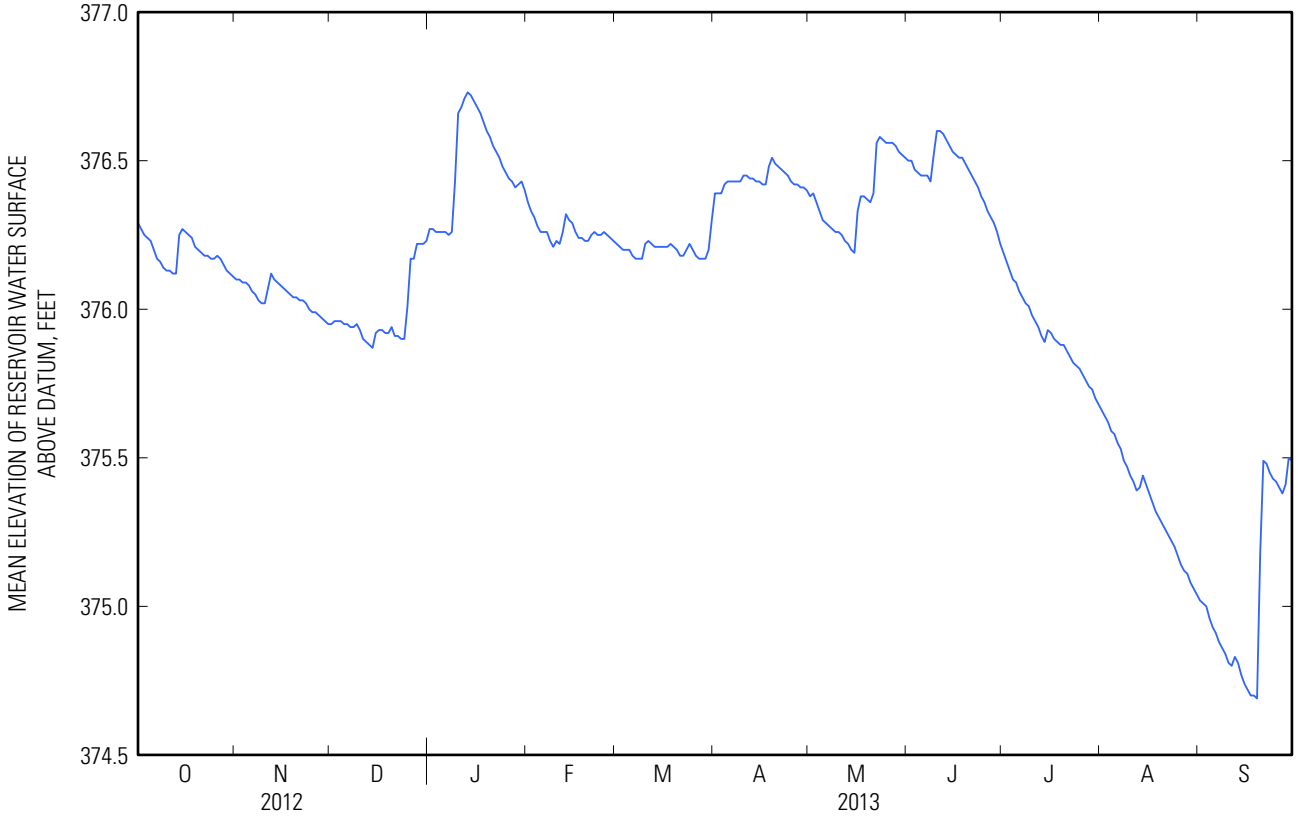
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 376.77 ft, Jan. 12, 13, 14; minimum elevation, 374.65 ft, Sept. 19.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 07344484, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07344484.2013.pdf

07344484 Lake Cypress Springs near Mount Vernon, TX—Continued

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	376.29	376.10	375.95	376.27	376.36	376.22	376.39	376.38	376.50	376.19	375.66	375.02
2	376.27	376.10	375.96	376.27	376.33	376.21	376.39	376.39	376.50	376.16	375.64	375.01
3	376.25	376.09	375.96	376.26	376.31	376.20	376.39	376.36	376.47	376.13	375.62	375.00
4	376.24	376.09	375.96	376.26	376.28	376.20	376.42	376.33	376.46	376.10	375.59	374.96
5	376.23	376.08	375.95	376.26	376.26	376.20	376.43	376.30	376.45	376.09	375.58	374.93
6	376.20	376.06	375.95	376.26	376.26	376.18	376.43	376.29	376.45	376.06	375.55	374.91
7	376.17	376.05	375.94	376.25	376.26	376.17	376.43	376.28	376.45	376.04	375.53	374.88
8	376.16	376.03	375.94	376.26	376.23	376.17	376.43	376.27	376.43	376.02	375.49	374.86
9	376.14	376.02	375.95	376.43	376.21	376.17	376.43	376.26	376.52	376.01	375.47	374.84
10	376.13	376.02	375.93	376.66	376.23	376.22	376.45	376.26	376.60	375.98	375.44	374.81
11	376.13	376.07	375.90	376.68	376.22	376.23	376.45	376.25	376.60	375.96	375.42	374.80
12	376.12	376.12	375.89	376.71	376.26	376.22	376.44	376.23	376.59	375.94	375.39	374.83
13	376.12	376.10	375.88	376.73	376.32	376.21	376.44	376.22	376.57	375.91	375.40	374.81
14	376.25	376.09	375.87	376.72	376.30	376.21	376.43	376.20	376.55	375.89	375.44	374.77
15	376.27	376.08	375.92	376.70	376.29	376.21	376.43	376.19	376.53	375.93	375.41	374.74
16	376.26	376.07	375.93	376.68	376.26	376.21	376.42	376.33	376.52	375.92	375.38	374.72
17	376.25	376.06	375.93	376.66	376.24	376.21	376.42	376.38	376.51	375.90	375.35	374.70
18	376.24	376.05	375.92	376.63	376.24	376.22	376.48	376.38	376.51	375.89	375.32	374.70
19	376.21	376.04	375.92	376.60	376.23	376.21	376.51	376.37	376.49	375.88	375.30	374.69
20	376.20	376.04	375.94	376.58	376.23	376.20	376.49	376.36	376.47	375.88	375.28	375.18
21	376.19	376.03	375.91	376.55	376.25	376.18	376.48	376.39	376.45	375.86	375.26	375.49
22	376.18	376.03	375.91	376.53	376.26	376.18	376.47	376.56	376.43	375.84	375.24	375.48
23	376.18	376.02	375.90	376.51	376.25	376.20	376.46	376.58	376.41	375.82	375.22	375.45
24	376.17	376.00	375.90	376.48	376.25	376.22	376.45	376.57	376.38	375.81	375.20	375.43
25	376.17	375.99	376.01	376.46	376.26	376.20	376.43	376.56	376.36	375.80	375.17	375.42
26	376.18	375.99	376.17	376.44	376.25	376.18	376.42	376.56	376.33	375.78	375.14	375.40
27	376.17	375.98	376.17	376.43	376.24	376.17	376.42	376.56	376.31	375.76	375.12	375.38
28	376.15	375.97	376.22	376.41	376.23	376.17	376.41	376.55	376.29	375.74	375.11	375.41
29	376.13	375.96	376.22	376.42	---	376.17	376.41	376.53	376.26	375.73	375.08	375.50
30	376.12	375.95	376.22	376.43	---	376.20	376.40	376.52	376.22	375.70	375.06	375.49
31	376.11	---	376.23	376.40	---	376.30	---	376.51	---	375.68	375.04	---
Mean	376.19	376.04	375.98	376.48	376.26	376.20	376.44	376.38	376.45	375.92	375.35	375.05
Max	376.29	376.12	376.23	376.73	376.36	376.30	376.51	376.58	376.60	376.19	375.66	375.50
Min	376.11	375.95	375.87	376.25	376.21	376.17	376.39	376.19	376.22	375.68	375.04	374.69

	Calendar Year 2012	Water Year 2013
Mean	376.67	376.06
Max	379.14	376.73
Min	374.44	374.69

07344484 Lake Cypress Springs near Mount Vernon, TX—Continued