08104650 Lake Georgetown near Georgetown, TX

Little Basin
San Gabriel Subbasin

LOCATION.--Lat 30°40′03″, long 97°43′38″ referenced to North American Datum of 1927, Williamson County, TX, Hydrologic Unit 12070205, at North San Gabriel Dam, on North Fork San Gabriel River, 2.5 mi upstream from Middle Fork San Gabriel River, 3.7 mi northwest of Georgetown, and 4.4 mi upstream from confluence with South Fork San Gabriel River.

DRAINAGE AREA.--247 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 2000 to current year. Mar. 1980 to Sept. 2000 (contents furnished by U.S. Army Corps of Engineers), Oct. 2000 to Jan. 2004 (daily mean contents). Oct. 1995 to Sep. 2000, daily midnight elevation. Water-quality records: Chemical data: Oct. 1980 to Aug. 1989. Biochemical data: Oct. 1980 to Aug. 1989.

Water quality data published as:

304016097433101 Lake Georgetown Site AC

304006097452501 Lake Georgetown Site BC

304055097471301 Lake Georgetown Site CC

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 13, 1980, nonrecording gage at present site and datum. Satellite telemeter at station.

COOPERATION.--Prior to Oct. 1, 2000, record of contents furnished by the U.S. Army Corps of Engineers and reviewed by the U.S. Geological Survey. A new capacity table, provided by the Texas Water Development Board, was put into use Oct. 1, 1995.

REMARKS.--Records good. The lake is formed by a rolled earthfill dam, 6,700 ft long, including the spillway. The lake was built for water conservation and flood control. The dam is owned by the U.S. Army Corps of Engineers. Deliberate impoundment began on Mar. 3, 1980. The spillway is an ungated broad-crested weir 1,000 ft long, located near right end of dam. The spillway for normal flood releases is a gated, 11-ft-diameter conduit, controlled by two 5- by 11-ft slide gates, located near the center of dam. The invert for the floodgate is 720.0 ft. A low-flow outlet, consisting of four 3- by 4-ft gates is located near the center of dam. The inverts of these gates are 735.0, 749.0, 763.0, and 777.0 ft. Data regarding dam are given in the following table:

	Elevation (feet)
Top of dam	861.0
Design flood	856.2
Crest of spillway	834.0
Top of conservation pool	791.0
Lowest gated outlet (invert of 11-foot conduit)	720.0

EXTREMES FOR PERIOD OF RECORD.--Mar. 1980 to Sept. 2002: Maximum contents, 136,900 acre-ft, Mar. 4, 1992; minimum contents after initial filling, 13,990 acre-ft, Oct. 15 Nov. 2, 2000; Mar. 1980 to current year: maximum elevation, 835.86 ft, Mar. 4, 1992; minimum elevation, 767.71 ft, Oct. 15 and Nov. 2, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 825.94, July 10; minimum elevation, 769.87 ft, multiple days.

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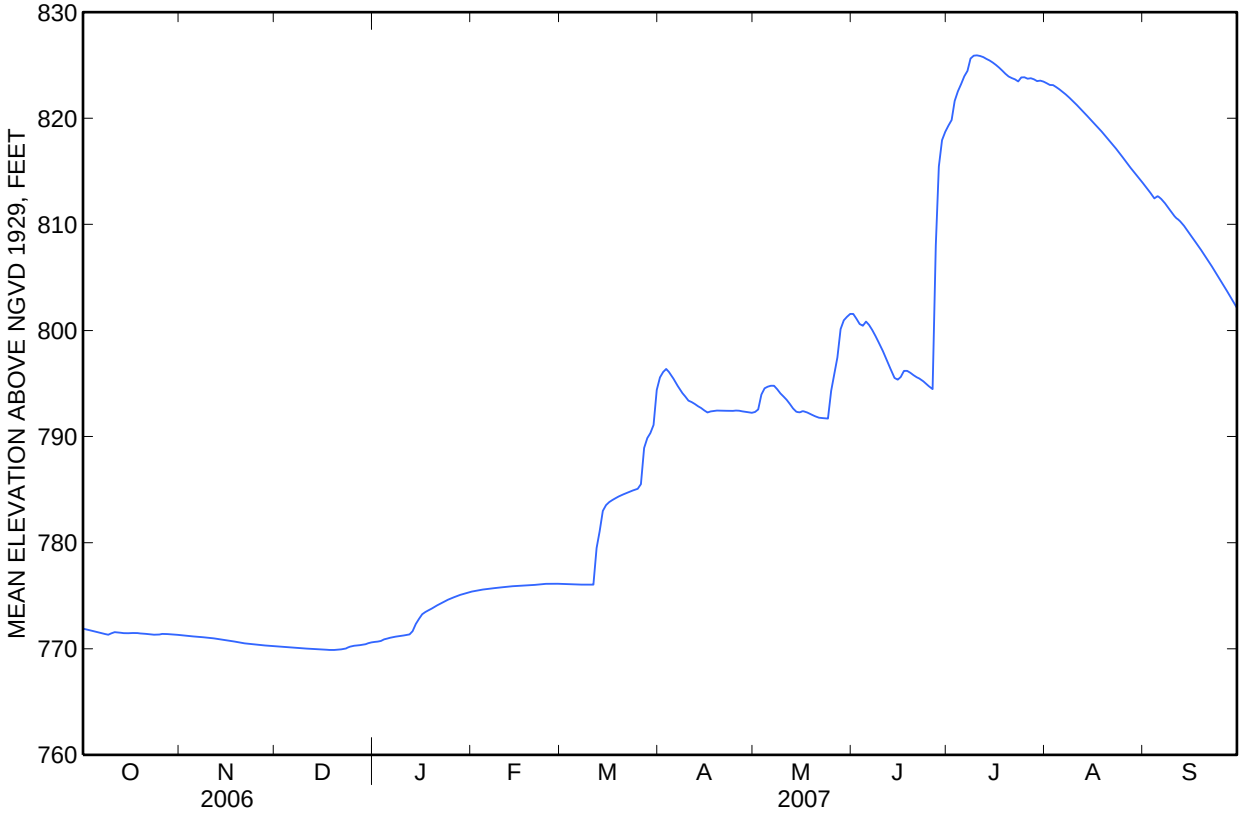
ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	771.89	771.28	770.23	770.64	775.43	776.12	795.57	792.31	801.55	819.30	823.30	813.65
2	771.82	771.24	770.20	770.68	775.48	776.11	796.09	792.56	801.11	819.83	823.14	813.24
3	771.74	771.21	770.18	770.74	775.53	776.10	796.37	793.96	800.61	821.63	823.12	812.84
4	771.68	771.18	770.16	770.89	775.57	776.08	796.04	794.55	800.44	822.53	822.94	812.45
5	771.61	771.15	770.13	770.96	775.61	776.07	795.57	794.70	800.83	823.22	822.73	812.65
6	771.53	771.13	770.11	771.03	775.64	776.06	795.08	794.79	800.52	823.95	822.49	812.45
7	771.46	771.11	770.09	771.11	775.68	776.05	794.56	794.78	800.03	824.46	822.24	812.08
8	771.39	771.08	770.06	771.16	775.72	776.05	794.16	794.46	799.48	825.63	821.97	811.70
9	771.32	771.04	770.04	771.20	775.75	776.04	793.77	794.07	798.88	825.89	821.69	811.31
10	771.46	771.01	770.03	771.25	775.78	776.03	793.39	793.78	798.26	825.93	821.40	810.90
11	771.56	770.97	770.01	771.30	775.81	776.05	793.25	793.46	797.61	825.87	821.10	810.56
12	771.54	770.94	769.99	771.36	775.85	779.50	793.06	793.06	796.92	825.76	820.79	810.34
13	771.51	770.91	769.97	771.65	775.87	781.06	792.86	792.65	796.20	825.60	820.48	809.97
14	771.47	770.88	769.95	772.34	775.90	782.99	792.69	792.34	795.53	825.44	820.15	809.57
15	771.46	770.83	769.93	772.81	775.92	783.53	792.46	792.29	795.36	825.25	819.81	809.17
16	771.48	770.75	769.91	773.25	775.94	783.82	792.27	792.39	795.62	825.02	819.50	808.75
17	771.49	770.70	769.90	773.47	775.95	784.02	792.36	792.31	796.19	824.76	819.18	808.32
18	771.47	770.66	769.89	773.63	775.97	784.19	792.42	792.19	796.19	824.48	818.86	807.88
19	771.44	770.62	769.87	773.78	775.99	784.35	792.45	792.05	796.01	824.19	818.53	807.45
20	771.41	770.57	769.90	773.95	776.02	784.49	792.45	791.91	795.79	823.93	818.18	807.00
21	771.40	770.51	769.94	774.14	776.04	784.63	792.44	791.80	795.58	823.78	817.81	806.55
22	771.37	770.47	769.97	774.31	776.06	784.75	792.43	791.72	795.44	823.66	817.45	806.08
23	771.34	770.43	770.02	774.45	776.08	784.87	792.42	791.74	795.23	823.47	817.08	805.61
24	771.31	770.40	770.18	774.60	776.11	784.97	792.42	791.70	794.98	823.84	816.71	805.13
25	771.35	770.37	770.26	774.73	776.10	785.07	792.45	794.30	794.70	823.86	816.32	804.64
26	771.40	770.34	770.29	774.85	776.10	785.51	792.43	795.84	794.47	823.73	815.93	804.15
27	771.40	770.31	770.33	774.96	776.11	788.92	792.38	797.46	808.03	823.77	815.54	803.65
28	771.37	770.29	770.36	775.06	776.12	789.86	792.33	800.13	815.44	823.66	815.12	803.15
29	771.35	770.27	770.43	775.16	---	790.32	792.28	800.95	817.94	823.50	814.73	802.64
30	771.33	770.27	770.53	775.25	---	791.10	792.24	801.29	818.72	823.55	814.41	802.13
31	771.31	---	770.60	775.34	---	794.39	---	801.56	---	823.46	814.04	---
Mean	771.47	770.76	770.11	772.90	775.86	782.23	793.36	794.29	799.79	823.97	819.25	808.53
Max	771.89	771.28	770.60	775.34	776.12	794.39	796.37	801.56	818.72	825.93	823.30	813.65
Min	771.31	770.27	769.87	770.64	775.43	776.03	792.24	791.70	794.47	819.30	814.04	802.13

	Calendar Year 2006	Water Year 2007
Mean	775.53	790.30
Max	781.79	825.93
Min	769.87	769.87

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