



Water-Data Report 2012

**08036700 Lake Nacogdoches near Nacogdoches, TX**

Neches Basin  
Upper Angelina Subbasin

LOCATION.--Lat 31°35'19", long 94°49'31" referenced to North American Datum of 1927, Nacogdoches County, TX, Hydrologic Unit 12020004, at upstream side of dam on Bayou Loco near service outlet tower and 10 mi west of Nacogdoches.

DRAINAGE AREA.--87.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Mar. 1977 to current year.

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

COOPERATION.--The capacity table, furnished by the Texas Water Development Board, dated June 16, 1994, is from a Mar. 1994 survey.

REMARKS.--Records fair. The lake is formed by a rolled earthfill dam. Deliberate impoundment began July 14, 1976. The dam is owned by the city of Nacogdoches. The water is used for industrial and municipal supply by the city of Nacogdoches. The spillway is an uncontrolled 500-foot-wide cut through natural ground located near the right end of dam. There is an uncontrolled drop inlet with a 20.5-foot-diameter top opening that is connected to an 8 x 7-foot conduit that extends through the dam. A separate multi-gated inlet tower is connected to a valve by a 30-inch conduit through the dam. The valve box directs water to a purification plant. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	303.0
Top of design flood.....	298.5
Crest of spillway.....	286.0
Crest of drop inlet.....	279.0
Lowest gated outlet (invert of 30 in. conduit).....	238.2

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 58,730 acre-ft, Jan. 30, 1999, elevation, 286.67 ft; minimum contents after initial filling, 18,160 acre-ft, Dec. 15-16, 2011, elevation, 266.59 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 34,260 acre-ft, Sept. 30, elevation, 276.45 ft; minimum contents, 18,160 acre-ft, Dec. 15-16, elevation, 266.59 ft.

## 08036700 Lake Nacogdoches near Nacogdoches, TX—Continued

**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19,520	18,530	18,290	18,990	19,510	22,560	32,650	33,830	33,220	32,510	31,600	29,960
2	19,420	18,490	18,270	18,980	19,530	22,600	32,730	33,820	33,150	32,460	31,530	29,920
3	19,330	18,440	18,250	18,960	19,600	22,620	32,890	33,790	33,090	32,400	31,460	29,870
4	19,270	18,430	18,290	18,950	19,770	22,600	33,260	33,750	33,040	32,350	31,390	29,830
5	19,210	18,410	18,400	18,940	19,940	22,590	33,600	33,720	33,000	32,290	31,340	29,780
6	19,160	18,380	18,400	18,920	20,030	22,570	33,700	33,690	33,020	32,230	31,300	29,720
7	19,110	18,370	18,380	18,920	20,060	22,580	33,760	33,710	33,580	32,180	31,240	29,660
8	19,070	18,370	18,360	18,920	20,070	22,900	33,800	33,880	33,630	32,140	31,190	29,600
9	19,030	18,370	18,350	19,100	20,070	23,300	33,840	33,890	33,580	32,160	31,130	29,530
10	19,000	18,340	18,320	19,250	20,070	23,650	33,860	33,850	33,540	32,240	31,070	29,460
11	18,970	18,310	18,310	19,330	20,060	24,520	33,880	33,830	33,480	32,230	31,000	29,380
12	18,960	18,280	18,280	19,300	20,050	27,320	33,870	33,960	33,450	32,340	30,940	29,320
13	18,970	18,260	18,270	19,320	20,060	28,370	33,860	33,970	33,410	32,390	30,870	29,280
14	18,930	18,260	18,260	19,300	20,090	28,650	33,850	33,950	33,360	32,420	30,810	29,300
15	18,890	18,280	18,240	19,300	20,110	28,850	33,860	33,930	33,300	32,450	30,740	29,360
16	18,850	18,340	18,290	19,300	20,170	28,970	33,950	33,950	33,250	32,420	30,670	29,340
17	18,800	18,300	18,300	19,290	20,190	29,080	33,990	33,930	33,210	32,390	30,610	29,420
18	18,830	18,270	18,290	19,280	20,590	29,160	33,990	33,880	33,160	32,350	30,560	29,410
19	18,800	18,240	18,280	19,260	21,630	29,560	33,960	33,840	33,140	32,300	30,510	29,350
20	18,770	18,230	18,330	19,260	22,060	30,360	34,000	33,810	33,160	32,240	30,450	29,300
21	18,730	18,300	18,320	19,260	22,220	30,760	e34,010	33,770	33,110	32,190	30,380	29,250
22	18,700	18,340	18,470	19,250	22,310	31,160	34,000	33,720	33,060	32,170	30,320	29,200
23	18,750	18,370	18,510	19,260	22,370	31,560	33,990	33,650	33,010	32,130	30,240	29,170
24	18,750	18,340	18,550	19,240	22,410	31,970	33,970	33,570	32,960	32,100	30,180	29,130
25	18,710	18,320	18,760	19,310	22,430	32,080	33,920	33,520	32,900	32,040	30,120	29,070
26	18,690	18,370	18,950	19,410	22,440	32,160	33,920	33,460	32,850	31,970	30,090	29,030
27	18,660	18,390	19,010	19,450	22,480	32,210	33,890	33,410	32,780	31,920	30,100	28,990
28	18,650	18,370	19,020	19,460	22,490	32,270	33,870	33,360	32,710	31,860	30,130	28,940
29	18,620	18,330	19,020	19,460	22,520	32,340	33,850	33,320	32,640	31,800	30,070	29,160
30	18,590	18,320	19,020	19,450	---	32,480	33,840	33,270	32,570	31,740	29,980	32,480
31	18,560	---	19,010	19,470	---	32,570	---	33,250	---	31,670	29,940	---
<b>Mean</b>	18,910	18,340	18,480	19,220	20,870	27,880	33,750	33,720	33,150	32,200	30,710	29,510
<b>Max</b>	19,520	18,530	19,020	19,470	22,520	32,570	34,010	33,970	33,630	32,510	31,600	32,480
<b>Min</b>	18,560	18,230	18,240	18,920	19,510	22,560	32,650	33,250	32,570	31,670	29,940	28,940

	Calendar Year 2011	Water Year 2012
<b>Mean</b>	24,140	26,400
<b>Max</b>	29,610	34,010
<b>Min</b>	18,230	18,230

08036700 Lake Nacogdoches near Nacogdoches, TX—Continued

