

**08049200 Lake Arlington at Arlington, TX**

Upper Trinity Basin  
Lower West Fork Trinity Subbasin

LOCATION.--Lat 32°42'58", long 97°11'32" referenced to North American Datum of 1927, Tarrant County, TX, Hydrologic Unit 12030102, in pumphouse at right end of Arlington Dam on Village Creek near western boundary of Arlington, 1.5 mi upstream from the Texas and Pacific Railway Co. bridge, and 7.0 mi upstream from mouth.

DRAINAGE AREA.--143 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Apr. 1957 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Jan. 1964 to Sept. 1977.

BIOCHEMICAL DATA: Jan. 1964 to Sept. 1977.

REVISED RECORDS.--WSP 1922: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Sept. 9, 1957, nonrecording gage at same site and datum. Satellite telemeter at station.

COOPERATION.--Capacity Table No. 3 was provided by the Texas Water Development Board and put into effect Oct. 1996. A new capacity table, Table No. 4, was received from the Texas Water Development Board and was put into effect beginning Oct. 1, 2009.

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 6,482 ft long. The service spillway is a 10-ft diameter uncontrolled circular drop inlet. The spillway is a 882-ft-wide cut through natural ground near the right end of dam. The dam was completed and storage began Mar. 31, 1957. The dam was built by the City of Arlington to impound water for municipal and industrial uses. Water is diverted from Cedar Creek Reservoir (station 08063010, conservation pool storage 637,050 acre-ft) into Lake Arlington. Water is pumped from the lake to a generating plant of Texas Electric Service Company. Conservation pool storage is 40,188 acre-ft. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	572.0
Crest of Spillway.....	559.7
Crest of drop inlet (top of conservation pool).....	550.0
Lowest gated outlet (invert).....	505.0

Water-quality records available from Jan. 1973 to Sept. 2006 were published separately as:

Site ID	Site name
324304097113601	Lk Arlington Site AC at Arlington, Tx
324253097121801	Lk Arlington Site BC at Arlington, Tx
324301097123301	Lk Arlington Site BL at Arlington, Tx
324257097130301	Lk Arlington Site CC at Arlington, Tx
324228097130301	Lk Arlington Site DC at Arlington, Tx
324143097132201	Lk Arlington Site EC at Arlington, Tx
324133097130601	Lk Arlington Site EL at Arlington, Tx
324041097134601	Lk Arlington Site FC at Arlington, Tx

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 72,500 acre-ft, May 17, 1989, elevation, 562.42 ft; minimum contents since lake first filled in Apr. 1957, 16,210 acre-ft, Aug. 5, 11-12, 1998, elevation, 536.51 ft; minimum elevation since lake first filled in Apr. 1957, 534.27 ft, Oct. 17, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 39,090 acre-ft, June 11, elevation, 549.41 ft; minimum contents, 24,480 acre-ft, Dec. 20, elevation, 541.30 ft.

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**RESERVOIR STORAGE, ACRE 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	28,170	29,160	26,080	25,920	29,440	30,320	33,030	37,770	38,610	36,780	31,950	28,900
2	28,300	29,100	26,000	25,960	29,510	30,340	33,210	37,870	38,540	36,600	31,670	28,840
3	28,380	28,970	25,930	25,940	29,590	30,400	34,360	37,960	38,440	36,420	31,380	28,900
4	28,380	28,850	25,830	25,960	29,650	30,390	35,630	38,070	38,330	36,140	31,090	28,810
5	28,390	28,750	25,710	26,030	29,780	30,290	36,010	38,150	38,170	35,880	30,830	28,710
6	28,360	28,620	25,630	26,070	29,990	30,270	36,250	38,270	38,190	35,660	30,770	28,610
7	28,410	28,510	25,540	26,150	30,020	30,300	36,440	38,410	38,350	35,380	30,620	28,530
8	28,420	28,420	25,450	26,310	30,050	30,320	36,570	38,490	38,430	35,110	30,410	28,400
9	28,380	28,310	25,350	28,140	30,120	30,400	36,600	38,520	38,690	34,890	30,270	28,310
10	28,360	28,210	25,190	29,100	30,470	30,810	36,700	38,650	38,970	34,660	30,200	28,260
11	28,230	28,080	25,100	29,180	30,590	30,940	36,830	38,670	39,020	34,350	30,090	28,140
12	28,190	27,970	25,020	29,160	30,710	30,950	36,910	38,630	38,970	34,080	30,050	28,040
13	28,220	27,860	25,000	29,120	30,860	30,960	36,930	38,570	38,840	33,790	30,060	27,950
14	28,560	27,770	24,940	29,030	30,910	31,000	36,880	38,540	38,710	33,530	30,010	27,900
15	28,740	27,690	24,880	28,990	30,910	31,000	36,790	38,500	38,660	33,700	30,170	27,810
16	28,850	27,580	24,810	28,960	30,930	30,950	36,740	38,830	38,600	34,070	30,230	27,690
17	28,920	27,500	24,730	28,960	30,950	30,940	36,730	38,870	38,660	34,160	30,340	27,660
18	28,870	27,380	24,660	28,980	30,940	30,920	37,320	38,860	38,880	34,260	30,370	27,580
19	28,900	27,270	24,630	29,090	30,870	30,880	37,770	38,850	38,960	34,220	30,390	27,480
20	28,890	27,160	24,570	29,120	30,840	30,830	37,850	38,760	38,900	34,070	30,380	28,190
21	28,920	27,060	24,630	29,180	30,840	30,780	37,820	38,740	38,810	33,980	30,140	28,740
22	28,890	26,980	24,700	29,210	30,770	30,800	37,790	38,820	38,660	33,920	29,840	28,850
23	28,910	26,830	24,750	29,210	30,700	31,000	37,770	38,800	38,470	33,760	29,590	28,950
24	28,930	26,750	24,790	29,150	30,630	31,330	37,740	38,780	38,330	33,480	29,490	29,010
25	28,880	26,670	25,120	29,120	30,580	31,490	37,730	38,820	38,230	33,220	29,410	28,960
26	28,910	26,550	25,550	29,160	30,440	31,660	37,710	38,870	38,020	33,080	29,360	28,890
27	28,950	26,430	25,610	29,200	30,340	31,820	37,690	38,870	37,770	33,000	29,440	28,850
28	29,020	26,350	25,670	29,180	30,320	31,980	37,620	38,800	37,520	32,850	29,380	28,890
29	29,090	26,270	25,700	29,290	---	32,100	37,550	38,730	37,280	32,650	29,310	29,070
30	29,110	26,170	25,750	29,410	---	32,470	37,640	38,680	37,040	32,470	29,210	29,210
31	29,150	---	25,840	29,440	---	32,810	---	38,640	---	32,210	29,080	---
<b>Mean</b>	28,670	27,640	25,260	28,310	30,420	31,010	36,750	38,570	38,440	34,270	30,180	28,470
<b>Max</b>	29,150	29,160	26,080	29,440	30,950	32,810	37,850	38,870	39,020	36,780	31,950	29,210
<b>Min</b>	28,170	26,170	24,570	25,920	29,440	30,270	33,030	37,770	37,040	32,210	29,080	27,480

	Calendar Year 2012	Water Year 2013
<b>Mean</b>	33,600	31,490
<b>Max</b>	46,220	39,020
<b>Min</b>	24,570	24,570

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