

07240500 LAKE OVERHOLSER NEAR OKLAHOMA CITY ,OK

Lower North Canadian Basin
Middle North Canadian Subbasin

LOCATION.--Lat 35°29'11", long 97°39'58" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.30, T.12 N., R.4 W., Oklahoma County, OK, Hydrologic Unit 11100301, in a concrete block building 200 ft north of dam on dike between lake and bypass channel and at mile 281.5.

DRAINAGE AREA.--13,487 mi² of which 3,497 mi² probably is noncontributing, revised. From automated delineation using 10-meter National Elevation Dataset digital elevation model data dated 10/01/2006 and Watershed Boundary Dataset dated 10/01/2006, using Albers Equal-Area Projection, North American Datum 1983.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1937 to September 1991, month end contents only. October 1999 to current year, daily contents.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1955, nonrecording gage at datum 1,065.77 ft.

REMARKS.--Reservoir is formed by Ambursan-type dam flanked by long earth-fill sections. Outlet facilities are 23 taintor gates and one uncontrolled spillway. Storage began in 1917. Dam was partly washed out in 1923 and rebuilt in 1924. Capacity, 17,100 acre-ft below elevation 1,242.27 ft, top of spillway gates. Dead storage, 1,400 acre-ft below elevation 1,229.77 ft, sill of outlet works. Figures given herein represent total contents. Revised capacity table used since Oct. 1, 1950. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 20,900 acre-ft, June 14, 1944, elevation, 1,242.67 ft from capacity table then in use; maximum elevation, 1243.04 ft, Aug. 21, 2007; minimum observed, 1,870 acre-ft, May 14, 1955, elevation, 1,230.62 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 13,830 acre-ft, Nov. 10, elevation 1240.12 ft.; minimum, 2,190 acre-ft, Oct. 07, elevation, 1231.08 ft.

Reservoir Elevation-Capacity Table

Elevation, in ft	Capacity, in acre-ft	Elevation, in ft	Capacity, in acre-ft
1230.0	1,530	1237.5	9,860
1232.0	3,370	1240.0	13,640
1235.0	6,320	1243.5	18,995

07240500 LAKE OVERHOLSER NEAR OKLAHOMA CITY ,OK—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 0800 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,500	7,920	13,410	12,290	11,770	11,820	12,740	e12,970	e12,470	11,350	8,240	5,980
2	2,470	7,880	13,370	12,260	11,770	11,890	12,710	12,970	e12,460	11,270	8,120	5,950
3	2,440	7,940	13,320	12,180	11,760	11,760	e12,770	13,000	12,490	11,200	7,950	5,920
4	2,430	7,880	13,400	12,180	11,940	11,730	12,820	13,000	12,470	11,120	7,790	5,890
5	e2,410	7,810	13,370	12,140	11,880	11,710	12,790	13,030	e12,460	11,030	7,720	5,900
6	e2,300	7,840	13,290	12,090	11,940	11,680	12,740	13,000	e12,420	10,940	7,620	5,920
7	e2,190	7,860	13,200	12,060	11,970	11,670	12,710	e13,020	12,470	10,880	7,510	5,860
8	e2,320	8,780	13,170	12,030	11,970	11,830	12,760	12,970	12,470	10,800	7,430	5,820
9	2,540	12,990	13,140	e12,010	11,940	11,800	12,730	12,930	12,420	10,740	7,320	5,780
10	2,750	13,790	13,060	e11,990	12,000	11,760	12,730	12,900	e12,360	10,670	7,220	5,750
11	2,720	13,750	13,020	e11,960	11,940	11,830	12,710	12,850	e12,360	10,590	7,100	5,720
12	2,720	13,690	12,960	11,910	11,920	11,820	12,680	12,940	e12,320	10,500	e7,020	5,640
13	2,720	13,670	12,940	11,790	11,910	11,820	12,650	12,940	e12,270	10,400	6,940	e5,650
14	2,690	13,670	12,910	11,770	11,940	11,820	12,910	12,910	12,200	10,300	6,830	e5,690
15	2,690	13,660	12,900	11,710	11,940	11,820	13,060	12,900	e12,320	10,190	6,730	5,740
16	2,650	13,660	12,840	11,710	11,950	11,800	13,060	12,870	12,410	10,070	6,650	5,730
17	2,680	13,600	12,790	11,760	11,940	11,790	13,030	12,840	12,390	9,960	e6,600	5,730
18	2,720	13,490	12,710	11,680	11,950	11,770	12,990	12,790	12,330	9,850	e6,560	5,730
19	2,800	13,510	12,680	11,680	11,950	11,910	12,930	12,670	12,240	9,730	6,520	5,680
20	3,030	13,570	12,710	11,700	11,910	12,550	13,020	e12,720	e12,140	9,630	6,450	5,650
21	3,330	13,510	12,650	11,670	11,920	12,790	12,970	e12,720	e12,110	9,530	6,380	5,620
22	3,630	13,610	12,670	11,620	11,920	12,850	12,970	e12,720	12,090	9,390	6,320	5,620
23	4,170	13,580	12,620	11,640	11,890	12,900	12,960	e12,630	12,010	9,270	6,210	5,580
24	4,790	13,570	12,580	11,610	11,910	12,850	12,930	e12,620	11,940	9,130	6,130	5,550
25	5,110	13,550	12,550	11,830	11,860	12,870	12,910	e12,580	11,890	9,010	6,050	5,480
26	5,570	13,690	12,500	11,830	11,820	12,850	12,940	12,560	11,830	8,910	6,130	5,480
27	6,020	13,610	12,490	11,820	11,820	12,820	12,880	12,520	11,710	8,800	6,090	5,860
28	6,500	13,520	12,440	11,820	11,800	12,760	12,850	12,450	11,640	8,710	6,080	6,580
29	6,980	13,520	12,410	e11,790	11,820	12,820	e12,870	e12,450	11,530	8,600	6,050	6,580
30	7,430	13,460	12,360	e11,760	---	12,820	e12,960	e12,480	11,440	8,470	6,030	6,650
31	7,890	---	12,320	11,740	---	12,760	---	e12,490	---	8,350	6,020	---
Max	7,890	13,790	13,410	12,290	12,000	12,900	13,060	13,030	12,490	11,350	8,240	6,650
Min	2,190	7,810	12,320	11,610	11,760	11,670	12,650	12,450	11,440	8,350	6,020	5,480
Elevation, in feet, at end of month	1236.18	1239.86	1239.15	1238.78	1238.79	1239.41	1239.56	---	1238.51	1236.41	1234.75	1235.22
Change in contents, in acre-ft	+5370	+5570	-1140	-580	+80	+940	+200	-470	-1050	-3090	-2330	+630

	Calendar Year 2011	Water Year 2012
Max	13,790	13,790
Min	2,190	2,190
Change in Contents, in acre-ft	+2010	+4130

07240500 LAKE OVERHOLSER NEAR OKLAHOMA CITY ,OK—Continued

