07229445 STANLEY DRAPER LAKE NEAR OKLAHOMA CITY ,OK

Lower Canadian Basin
Little Subbasin

LOCATION.--Lat 35°19′42″, long 97°21′23″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.24, T.10 N., R.2 W., Cleveland County, OK, Hydrologic Unit 11090203, in intake tower at end of walkway 100ft north of dam on East Elm Creek and at mile 2.5.

DRAINAGE AREA.--11.8 mi², 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 1999 to current year.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Reservoir is formed by a compacted earth dam constructed in 1962, 111 ft above streambed. Outlet works: circular intake tower with 5.5 ft sides and 3 ft by 5 ft intake gates with inverts at elevations 1,118.5 ft, 1,133.5 ft, 1,163.5 ft, and 1,178.5 ft. Two 60 inch pipes convey water through a 10.5 ft by 17 ft horseshoe conduit and open ditch to the treatment plant or lower level pump station. Top of Dam 1,201.00 ft, 148,000 acre-ft; maximum pool 1,196.4 ft, 134,00 acre-ft; normal pool 1,191.00 ft, 114,000 acre-ft. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 93,530 acre-ft, Jan. 12, 2005 elevation 1,188.87 ft; minimum contents, 30,490 acre-ft, Sept. 15, 2011, elevation, 1,157.68 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 50,660 acre-ft, Jun. 24, elevation 1,170.30 ft; minimum contents, 30,580 acre- ft, Oct. 07, elevation, 1,157.74 ft.

Reservoir Elevation-Capacity Table

Elevation, in ft	Capacity, in acre-ft	Elevation, in ft	Capacity, in acre-ft
1150	22,190	1180	70,690
1160	34,190	1190	96,440
1170	50,040	1200	127,200

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07229445, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07229445.2012.pdf

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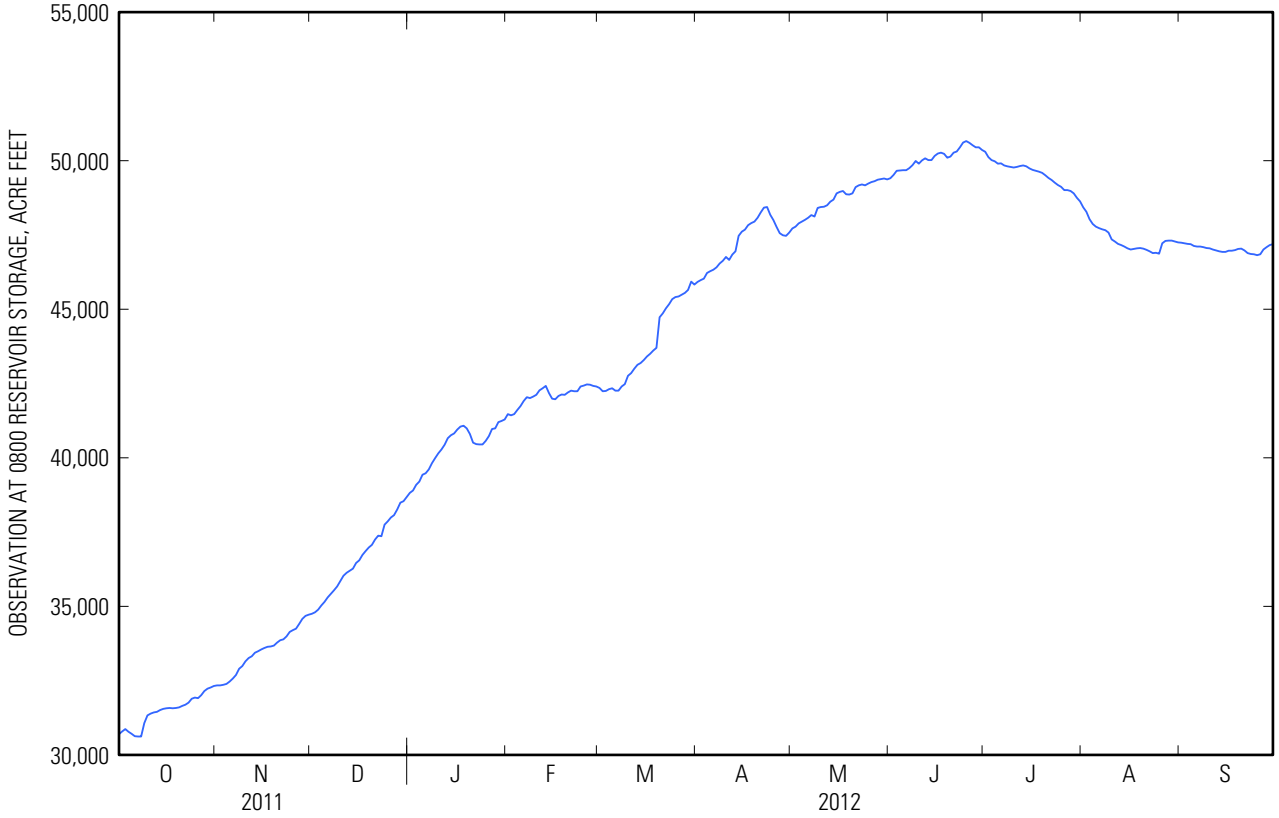
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 0800 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e30,700	e32,340	e34,750	e38,820	e41,470	42,350	e45,920	e47,720	e49,410	e50,300	e48,430	e47,240
2	e30,790	32,340	e34,800	e38,900	e41,430	e42,240	e45,980	e47,780	e49,520	50,120	48,280	e47,220
3	30,870	32,360	e34,890	e39,090	41,470	e42,250	e46,030	e47,890	e49,660	50,020	e48,030	47,200
4	e30,780	e32,390	35,030	39,200	e41,610	42,310	e46,220	47,950	e49,670	49,980	47,870	47,190
5	e30,710	32,470	e35,150	e39,430	e41,740	e42,340	e46,280	e48,010	e49,680	49,900	e47,780	e47,130
6	30,630	32,570	e35,300	e39,480	e41,910	42,260	46,330	e48,080	49,680	49,910	e47,730	e47,110
7	e30,620	e32,690	e35,420	39,610	e42,040	e42,260	e46,410	e48,170	49,750	e49,840	e47,690	e47,110
8	30,620	32,900	e35,540	39,820	e42,010	e42,400	e46,540	e48,120	e49,850	e49,810	e47,660	e47,090
9	e31,070	e32,990	e35,670	e39,990	e42,060	42,480	46,630	48,410	e49,990	49,790	47,580	47,060
10	e31,330	e33,150	e35,850	e40,150	e42,120	e42,760	46,760	e48,440	49,900	49,770	47,350	e47,050
11	e31,390	e33,260	36,030	e40,280	e42,270	e42,850	46,660	e48,450	e50,010	49,790	47,280	e47,010
12	e31,430	e33,320	e36,130	e40,440	e42,340	43,000	46,840	e48,500	e50,080	e49,820	47,200	e46,980
13	e31,450	e33,440	36,200	40,660	e42,420	43,130	46,950	e48,620	e50,020	e49,840	e47,160	e46,950
14	e31,510	e33,490	36,270	e40,760	e42,180	43,190	e47,470	e48,690	50,020	e49,810	e47,110	e46,930
15	e31,550	e33,550	36,460	e40,820	e41,990	43,290	e47,610	48,900	50,160	e49,740	e47,050	e46,930
16	e31,570	e33,600	e36,550	e40,950	e41,970	e43,410	e47,680	48,950	e50,240	e49,690	e47,010	46,970
17	e31,580	e33,640	e36,730	e41,050	e42,080	e43,500	e47,830	e48,980	e50,270	49,660	e47,030	e46,970
18	e31,570	33,650	e36,860	41,080	e42,130	e43,610	e47,900	48,870	50,230	49,630	e47,050	e46,990
19	31,580	33,680	36,980	e40,990	e42,120	43,700	e47,950	e48,860	50,100	e49,590	47,060	47,030
20	e31,600	e33,780	e37,070	e40,800	e42,200	44,730	e48,080	e48,900	50,140	e49,510	e47,040	e47,040
21	e31,650	e33,860	e37,250	40,510	42,260	e44,860	48,260	e49,110	50,270	49,420	e47,000	e46,980
22	31,690	e33,890	37,380	e40,460	42,240	e45,030	e48,420	e49,170	50,310	e49,350	e46,950	e46,890
23	e31,760	e33,990	37,360	e40,450	e42,240	45,170	e48,440	49,200	50,450	49,260	46,890	e46,860
24	e31,890	e34,140	e37,750	40,450	e42,400	e45,340	e48,180	49,170	e50,610	49,180	46,900	e46,850
25	31,930	e34,200	e37,860	e40,570	e42,430	e45,410	48,000	49,230	50,660	49,120	46,870	46,820
26	31,910	e34,250	e37,990	e40,730	e42,470	e45,430	e47,770	e49,280	50,600	49,010	47,220	46,850
27	32,010	e34,410	38,070	40,970	e42,460	45,490	e47,560	49,310	e50,520	e49,010	e47,300	e47,010
28	32,150	e34,580	e38,260	40,990	42,420	45,550	47,490	e49,360	50,450	48,980	e47,310	47,090
29	e32,230	e34,680	38,490	41,200	42,400	45,650	47,470	e49,380	e50,450	48,900	e47,310	47,160
30	e32,270	e34,720	e38,540	41,240	---	e45,930	e47,580	e49,400	e50,360	e48,750	e47,280	47,190
31	e32,320	---	38,680	41,290	---	e45,830	---	e49,370	---	48,630	e47,250	---
Max	32,320	34,720	38,680	41,290	42,470	45,930	48,440	49,400	50,660	50,300	48,430	47,240
Min	30,620	32,340	34,750	38,820	41,430	42,240	45,920	47,720	49,410	48,630	46,870	46,820
Elevation, in feet, at end of month												
	1158.86	1160.33	1162.90	1164.60	1165.14	1167.39	1168.50	---	---	1169.04	1168.24	1168.25
Change in contents, in acre-ft												
	+1560	+2400	+3960	+2610	+1110	+3430	+1750	+1790	+990	-1730	-1380	-60

	Calendar Year 2011	Water Year 2012
Max	45,460	50,660
Min	30,520	30,620
Change in Contents, in acre-ft	-6890	+16430

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