

Water-Data Report 2013

07325900 FORT COBB RESERVOIR NEAR FORT COBB, OK

Washita Basin
Upper Washita Subbasin

LOCATION.--Lat 35°09'28", long 98°27'23" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.22, T.8 N., R.12 W., Caddo County, OK, Hydrologic Unit 11130302, in control house at right center of dam on Cobb Creek, 4.0 mi northwest of Fort Cobb, and at mile 8.1.

DRAINAGE AREA.--308 mi², 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.--March 1959 to current year.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation). Prior to October, 1961, nonrecording gage at same datum.

COOPERATION.--Elevations and contents furnished by U.S. Army Corps of Engineers. Data on diversions provided by Fort Cobb Reservoir Master Conservancy District.

REMARKS.--Reservoir is formed by earth dam. Outlet consists of two sets of controlled 5- by 5-foot steel gates and an uncontrolled concrete spillway. Storage began Mar. 30, 1959. Conservation pool was first filled in June 1962. Capacity, 135,900 acre-ft at elevation 1,354.8 ft, crest of drop inlet, 73,830 acre-ft at elevation 1,342.0 ft, conservation pool, and 1,260 acre-ft at elevation 1,300.0 ft, crest of gated outlet. Figures given herein represent total contents. Reservoir is used for flood control, for municipal and industrial water supply, and for irrigation releases. Revised capacity table used since May 1993. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 121,400 acre-ft, June 13, 1995, elevation, 1,352.25 ft; minimum contents since conservation pool was first filled, 53,080 acre-ft, Dec. 30, 2012, elevation 1,335.83 ft; minimum elevation 1,335.06, October 19, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 59,100 acre-ft, July 31, elevation 1,337.76 ft; minimum, 53,080 acre-ft, Dec. 30, elevation 1,335.83 ft.

07325900 FORT COBB RESERVOIR NEAR FORT COBB, OK—Continued**MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	^aElevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Diversions (acre-feet)
Sept 30	1,337.05	56,830	--	--
Oct 31	1,336.53	55,220	-1,610	1,156
Nov 30	1,336.05	53,740	-1,480	955
Dec 31	1,335.92	53,340	-400	1,016
CAL YR 12	--	--	-8,270	12,216
Jan 31	1,336.06	53,770	+430	826
Feb 29	1,336.57	55,340	+1,570	665
Mar 31	1,336.69	55,710	+370	694
Apr 30	1,337.29	57,600	+1,890	636
May 31	1,337.35	57,790	+190	811
June 30	1,337.10	56,990	-800	978
July 31	1,337.75	59,060	+2,070	965
Aug 31	1,337.20	57,310	-1,750	990
Sept 30	1,336.56	55,310	-2,000	760
WTR YR 13	-	-	-1,520	10,452

^aElevation at 2400