

Water-Data Report 2008

07324300 FOSS RESERVOIR NEAR FOSS, OK

Washita Basin
Washita Headwaters Subbasin

LOCATION.--Lat 35°32'20", long 99°11'09" referenced to North American Datum of 1927, in S ¼ sec.2, T.12 N., R.19 W., Custer County, OK, Hydrologic Unit 11130301, near right end of dam on Washita River, 0.5 mi upstream from Oak Creek, 3.5 mi west of Stafford, 6.0 mi north of Foss, and at mile 474.4.

DRAINAGE AREA.--1,496 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to October, 1961, nonrecording gage at same site and datum.

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

REMARKS.--Reservoir is formed by earth dam. Outlet consists of four 6- by 7-foot, 6-inch high pressure gates and one uncontrolled spillway. Storage began Feb. 13, 1961. Capacity, 436,500 acre-ft, at elevation 1,668.6 ft, crest of drop inlet and 177,900 acre-ft, at elevation 1,642.0 ft, conservation pool. Dead storage, 12,420 acre-ft below elevation 1,597.2 ft, sill of gated outlet. Figures given herein represent total contents. Reservoir is designed for flood control, municipal water supply, and irrigation release. Revised capacity table used after Sept. 30, 1964. U.S. Army Corps of Engineers' telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 226,200 acre-ft, June 16, 1997, elevation, 1,648.47 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 186,200 acre-ft, June 13, 14 elevation, 1,643.19 ft; minimum, 170,700 acre-ft, Apr. 5-8 elevation, 1,640.92 ft.

07324300 FOSS RESERVOIR NEAR FOSS, OK—Continued

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date		^a Elevation (feet)	Contents (acre- feet)	Change in contents (acre- feet)	Diversions (acre- feet)
Sep	30	1,642.17	179,100	--	--
Oct	31	1,641.46	174,300	-4,800	164
Nov	31	1,641.54	174,800	+500	177
Dec	31	1,641.51	174,800	0	178
CAL YR 07		--	--	+27,100	2,202
Jan	31	1,641.95	177,600	+2,800	200
Feb	29	1,641.40	173,900	-3,700	178
Mar	31	1,641.29	173,200	-700	172
Apr	30	1,641.47	174,400	+1,200	169
May	31	1,642.26	179,700	+5,300	180
June	30	1,641.95	177,600	-2,100	173
July	31	1,641.78	176,400	-1,200	222
Aug	31	1,641.74	176,200	-200	213
Sept	30	1,641.56	175,000	-1,200	190
WTR YR 08		-	-	-4,100	2,216

^aElevation at 2400 on the following day.