

Water-Data Report 2013

**07229900 LAKE THUNDERBIRD NEAR NORMAN, OK**

Lower Canadian Basin  
Little Subbasin

LOCATION.--Lat 35°13'24", long 97°13'02" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.29, T.9 N., R.1 E., Cleveland County, OK, Hydrologic Unit 11090203, near center of dam on Little River, just downstream from Hog Creek, 13 mi east of Norman, and at mile 96.4.

DRAINAGE AREA.--257 mi<sup>2</sup>, 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 1965 to current year.

GAGE.--Nonrecording gage at outlet structure and at pump house. Datum of gage is NGVD of 1929.

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

REMARKS.--Reservoir is formed by earth dam. Regulated storage began Mar. 1, 1965; minimum conservation pool first filled September 1965. Capacity, 196,200 acre-ft at elevation 1,049.4 ft, crest of drop inlet; 119,600 acre-ft at elevation 1,039.0 ft, top of conservation pool; 13,640 acre-ft at elevation 1,010.0 ft, minimum conservation pool. Dead storage, 13,600 acre-ft below elevation 997.0 ft. sill of gated outlet. Figures given herein represent total contents. Reservoir is used for flood control, irrigation (inactive), and municipal water supplies diverted to Del City, Midwest City, and Norman. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 187,400 acre-ft, May 5, 1990, elevation, 1,048.38 ft; minimum since conservation pool first reached, 15,370 acre-ft, Nov. 30, 1965, elevation, 1,011.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 129,111 acre-ft, July 30, elevation, 1,042.63 ft; minimum, 69,477 acre-ft, Feb. 17, elevation, 1,031.25 ft.

## 07229900 LAKE THUNDERBIRD NEAR NORMAN, OK—Continued

## MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Date	<sup>a</sup> Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Diversions (acre-feet)
Sept 30	1,033.26	88,050	--	--
Oct 31	1,032.59	75,060	-12,990	1,426
Nov 30	1,032.12	73,032	-2,028	1,145
Dec 31	1,031.59	70,853	-2,179	1,147
<b>CAL YR 12</b>	--	--	-20,948	17,170
Jan 31	1,031.47	70,367	-486	907
Feb 28	1,031.78	71,623	+1,256	830
Mar 31	1,031.55	70,692	-931	968
Apr 30	1,034.78	84,825	+14,133	1,015
May 31	1,036.88	94,993	+10,168	1,171
June 30	1,040.60	115,540	+20,547	1,487
July 31	1,042.47	128,005	+12,465	1,835
Aug 31	1,039.70	109,938	-18,067	1,911
Sept 30	1,039.12	106,541	-3,397	1,801
<b>WTR YR 13</b>	--	--	+18,491	15,643

<sup>a</sup>Elevation at 2400