

Water-Data Report 2007

**03596460 NORMANDY LAKE**

Lower Tennessee Basin  
Upper Duck Subbasin

LOCATION.--Lat 35°27'55", long 86°14'55" referenced to North American Datum of 1927, Coffee County, TN, Hydrologic Unit 06040002, at Normandy Dam on Duck River, 1.5 mi northeast of Normandy, 2.6 mi downstream from Riley Creek, 8 mi north of Tullahoma, and at mile 248.6.

DRAINAGE AREA.--195 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

COOPERATION.--Records furnished by Tennessee Valley Authority.

REMARKS.--Reservoir is formed by concrete gravity dam with riprapped and rolled earthfill embankment on left side. Spillway is equipped with two radial gates, each 40 ft high by 36 ft wide. Storage began Jan. 5, 1976; water in reservoir first reached minimum pool elevation Mar. 22, 1976. Revised capacity table put into use Jan. 1, 1977. Total capacity at elevation 880 ft, top of gates, is 64,000 cfs-days, of which 30,400 cfs-days is controlled storage above elevation 859 ft, normal minimum pool. Reservoir is used for flood control, water supply, water-quality control, recreation, and shoreline development. Monthend elevation and contents at 2400, for the water year are provided in the following table.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

DATE	Elevation (feet)	Contents (cfs-days)	Change in content(cfs-days)
Sept. 30...	867.33	43,900	
Oct. 31...	865.12	40,900	-3,000
Nov. 30...	865.12	40,900	0
Dec. 31...	864.22	39,700	-1,200
CALENDAR YEAR			+300
Jan. 31...	864.01	39,400	-300
Feb. 28...	865.48	41,300	+1,900
Mar. 31...	867.82	44,600	+3,300
Apr. 30...	870.22	48,000	+3,400
May 31...	869.66	47,200	-800
June 30...	867.32	43,900	-3,300
July 31...	864.75	40,400	-3,500
Aug. 31...	861.53	36,200	-4,200
Sept. 30...	858.42	32,400	-3,800
WATER YEAR			-11,500

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 63,800 cfs-days, Feb. 20, 1991, elevation, 880.12 ft; minimum after first filling, 26,800 cfs-days, Nov. 27, 1981, elevation, 853.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 48,400 cfs-days, May 11, elevation, 870.45 ft; minimum 32,400 cfs-days, Sept. 30, elevation, 858.42 ft.