

ROANOKE RIVER BASIN

02059400 LEESVILLE LAKE NEAR LEESVILLE, VA

LOCATION.--Lat 37°05'35", long 79°24'09", Campbell County, Hydrologic Unit 03010101, at Leesville Dam on Roanoke (Staunton) River, 2.0 mi south of Leesville, 3.5 mi upstream from Goose Creek, and at mile 296.

DRAINAGE AREA.--1,505 mi².

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level. Prior to June 6, 1963, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete dam. Spillway, with crest at elevation 578.0 ft, is equipped with 4 radial gates 35 ft high by 50 ft wide. Storage began on Sept. 29, 1962, during construction, and water in reservoir first reached minimum power pool, elevation, 600.0 ft, on Mar. 5, 1963. Total capacity at maximum pool elevation, 614 ft, is 98,180 acre-ft of which 78,670 acre-ft is above the spillway crest elevation; 38,200 acre-ft is normally used for power between elevations 600.0 ft, minimum power pool, and 613.0 ft. Capacity at invert of lowest penstock, elevation, 579.75 ft, is 21,010 acre-ft. Figures given herein represent total contents. Reservoir is part of the Smith Mountain Combination Project (see station 02057400).

COOPERATION.--Records were provided by the American Electric Power.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 98,180 acre-ft, Feb. 1, 1965, elevation, 614.0 ft; minimum (after first filling to minimum power pool), 39,880 acre-ft, Mar. 19, 1963, elevation, 592.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 92,710 acre-ft, May 28, elevation, 612.3 ft; minimum, 57,200 acre-ft, Jan. 18, elevation, 600.0 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	604.4	68,990	-
Oct. 31.....	605.0	70,600	+1,610
Nov. 30.....	604.8	70,060	-540
Dec. 31.....	603.0	65,240	-4,820
CAL YR 1998.....			-18,000
Jan. 31.....	600.4	58,270	-6,970
Feb. 28.....	600.5	58,540	+270
Mar. 31.....	605.9	73,250	+14,710
Apr. 30.....	604.4	68,990	-4,260
May 31.....	604.7	69,800	+810
June 30.....	604.8	70,060	+260
July 31.....	608.3	80,300	+10,240
Aug. 31.....	603.4	66,310	-13,990
Sept. 30.....	605.0	70,600	+4,290
WTR YR 1999.....			+1,610

02059400 LEESVILLE LAKE NEAR LEESVILLE, VA--Continued

