

## ROANOKE RIVER BASIN

02071900 PHILPOTT LAKE NEAR PHILPOTT, VA

**LOCATION.**--Lat 36°46'52", long 80°01'39", NAD83, Henry County, Hydrologic Unit 03010103, at Philpott Dam on Smith River, 1.5 mi west of Philpott, 12.0 mi upstream from Reed Creek, and at mile 44.3.

**DRAINAGE AREA.**--216 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 1950 to current year.

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

**REMARKS.**--Reservoir is formed by concrete dam. Spillway, with crest at elevation 985 ft, is ungated and 120 ft long. Storage began August 1950 during construction; initial filling started in December 1951; water in reservoir first reached rule-curve elevation in July 1953. Total capacity at maximum flood-control pool elevation, 998 ft, is 247,400 acre-ft of which 47,000 acre-ft is above the spillway crest; 34,200 acre-ft is controlled flood storage between elevations 974 ft, maximum power pool, and 985 ft; 57,800 acre-ft is available for power between elevations 951 ft, minimum power pool, and 974 ft; and 108,400 acre-ft is inactive and dead storage below elevation 951 ft. Usable capacity is 92,000 acre-ft between elevations 951 ft and 985 ft. Figures given herein represent total contents. Reservoir is used for flood control, hydroelectric power, water supply, low-water regulation for pollution abatement and industrial water supply, and recreation.

**COOPERATION.**--Records were provided by the U.S. Army Corps of Engineers.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum contents, 191,700 acre-ft, June 22, 1972, elevation, 983.06 ft; minimum (after first filling to rule curve), 64,540 acre-ft, Sept. 26, 1956, elevation, 927.59 ft.

**EXTREMES FOR CURRENT YEAR.**--Maximum contents, 168,320 acre-ft, May 25, elevation 974.73 ft; minimum, 142,960 acre-ft, Jan. 17, elevation, 965.58 ft.

## MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	968.16	149,810	-
Oct. 31.....	966.91	146,460	-3,350
Nov. 30.....	966.33	144,930	-1,530
Dec. 31.....	966.07	144,240	-690
CAL YR 2000.....			+20,960
Jan. 31.....	966.30	144,850	+610
Feb. 28.....	966.67	145,830	+980
Mar. 31.....	970.23	155,480	+9,650
Apr. 30.....	971.56	159,200	+3,720
May 31.....	973.83	165,700	+6,500
June 30.....	973.60	165,030	-670
July 31.....	972.36	164,470	-3,560
Aug. 31.....	969.02	152,140	-9,330
Sept. 30.....	967.42	147,830	-4,310
WTR YR 2001.....			-1,980

02071900 PHILPOTT LAKE NEAR PHILPOTT, VA--Continued

