

## ROANOKE RIVER BASIN

## 02071900 PHILPOTT LAKE NEAR PHILPOTT, VA

**LOCATION.**--Lat 36°46'52", long 80°01'40", 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, 149,870 acre-ft, Sept. 27, 28, elevation, 968.18 ft; minimum, 120,510 acre-ft, Jan. 9, elevation, 956.42 ft.

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**MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000**

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Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	957.41	122,810	-
Oct. 31.....	957.03	121,920	-890
Nov. 30.....	956.66	121,060	-860
Dec. 31.....	957.61	123,280	+2,220
CAL YR 1999.....			-14,410
Jan. 31.....	957.93	124,030	+750
Feb. 29.....	958.53	125,440	+1,410
Mar. 31.....	962.25	134,480	+9,040
Apr. 30.....	966.47	145,300	+10,820
May 31.....	967.67	148,500	+3,200
June 30.....	967.90	149,110	+610
July 31.....	967.21	147,260	-1,850
Aug. 31.....	966.36	145,010	-2,250
Sept. 30.....	968.16	149,810	+4,800
WTR YR 2000.....			+27,000

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02071900 PHILPOTT LAKE NEAR PHILPOTT, VA--Continued

