

01574390 LAKE MARBURG NEAR SPRING GROVE, PA

Lower Susquehanna Basin
Lower Susquehanna Subbasin

LOCATION.--Lat 39°48'26", long 76°52'58" referenced to North American Datum of 1927, York County, PA, Hydrologic Unit 02050306, at dam on West Branch Codorus Creek, 0.7 mi upstream from Codorus Creek, and 4.5 mi south of Spring Grove.

DRAINAGE AREA.--23.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1972 to current year in reports of Geological Survey; July 1972 to September 1974 in files of P. H. Glatfelter Co., Spring Grove. Records for period December 1966 to June 1972 were lost in the flood of June 1972.

GAGE.--Nonrecording gage. Datum of gage is sea level, National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by P.H. Glatfelter Company.

REMARKS.--Lake is formed by earthfill dam with two bascule spillway gates. Each is 7 ft high and 106.50 ft long. Storage began in December 1966. Elevation of top of gates is 623.00 ft (capacity, 47,680 acre-ft). Top of dam is at elevation 627.00 ft (capacity, 53,210 acre-ft). At the spillway crest, an elevation of 616.00 ft, the capacity is 39,430 acre-ft. The lake is used for water supply and recreation. An average of about 3,380 acre-ft is diverted from Codorus Creek into the lake each year.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 48,010 acre-ft, Jun 24, 1998, elevation, 623.25 ft; minimum, 23,960 acre-ft, Oct 10, 2002, elevation, 599.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 47,680 acre-ft, Apr 17-25, Apr 28 -May 5, May 20-24, elevation, 623.00 ft; minimum, 40,500 acre-ft, Aug 27, elevation, 616.96 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Date	Elevation, in ft	Contents, in acre-ft	Change in contents, in ft ³ /s
Sept. 30	617.27	40,800	
Oct. 31	617.11	40,600	-3.2
Nov. 30	617.33	40,900	+5.0
Dec. 31	617.84	41,400	+8.1
CAL YR 2010			-7.6
Jan. 31	617.38	40,900	-8.1
Feb. 28	619.32	43,000	+37.8
Mar. 31	622.60	47,100	+66.7
Apr. 30	623.00	47,700	+10.1
May 31	622.50	47,000	-11.4
June 30	621.13	45,200	-30.2
July 31	618.75	42,400	-45.5
Aug. 31	617.08	40,600	-29.3
Sept. 30	620.00	43,700	+52.1
WTR YR 2011			+4.0