

CODORUS CREEK BASIN

LAKES AND RESERVOIRS IN CODORUS CREEK BASIN

01574390 LAKE MARBURG.--Lat 39°48'26", long 76°52'58", York County, 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. 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. Datum of gage is given in feet above National Geodetic Vertical Datum of 1929.

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.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 48,010 acre-ft, June 24, 1998, elevation, 623.25 ft; minimum, 32,190 acre-ft, Feb. 13, 14, 15, 1989, elevation, 608.79 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 39,320 acre-ft, Oct. 1, elevation, 615.9 ft; minimum, 23,860 acre-ft, Sept. 26, elevation, 599.17 ft.

01574700 INDIAN ROCK DAM.--Lat 39°55'22", long 76°45'14", York County, Hydrologic Unit 02050306, at dam on Codorus Creek, 0.1 mi upstream from mouth of South Branch Codorus Creek, 0.3 mi west of York Water Co. pumping station, and 3.0 mi southwest of York. DRAINAGE AREA, 93.7 mi². PERIOD OF RECORD, September 1962 to current year in reports of Geological Survey, September 1942 to August 1962 in files of Baltimore District, U.S. Army Corps of Engineers. GAGE, water-stage recorder (U.S. Army Corps of Engineers datum).

REMARKS.--Reservoir formed by an earth and rockfill dam with ungated concrete spillway at elevation 435.00 ft (capacity, 28,000 acre-ft). Reservoir completed in June 1942; storage began in June 1946. No dead storage. Reservoir is used for flood control. Figures given herein represent total contents. Flood storage is regulated by three vertical-lift tractor gates. Water is stored only during high flows and released when downstream conditions warrant. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 30,200 acre-ft, June 23, 1972, elevation, 436.44 ft; minimum, no storage many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 48.3 acre-ft, Sept. 26, elevation, 377.80 ft; minimum, 7.5 acre-ft, Sept. 4, elevation, 371.56 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND CONTENTS AT 2400 HRS. WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in ft ³ /s)	01574390 Lake Marburg			01574700 Indian Rock Dam		
				Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in ft ³ /s)	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in ft ³ /s)
<u>01574390 Lake Marburg</u>									
Sept. 30	615.90	39,320	---	372.20	9.6	---	372.20	9.6	---
Oct. 31	614.56	37,910	-22.9	372.41	10.2	+0.1	372.41	10.2	+0.1
Nov. 30	612.21	35,530	-40.0	372.32	10.0	0	372.32	10.0	0
Dec. 31	610.79	34,100	-23.3	372.19	9.6	-0.1	372.19	9.6	-0.1
CAL YR 2001	--	--	-7.4	--	--	0	--	--	0
<u>01574700 Indian Rock Dam</u>									
Jan. 31	609.96	33,260	-13.7	372.93	11.8	+0.4	372.93	11.8	+0.4
Feb. 28	608.69	32,090	-21.1	372.29	9.9	-0.3	372.29	9.9	-0.3
Mar. 31	608.48	31,900	-3.1	372.50	10.5	+0.1	372.50	10.5	+0.1
Apr. 30	607.85	31,320	-9.8	372.09	9.3	-0.2	372.09	9.3	-0.2
May 31	607.52	31,020	-4.9	372.84	11.5	+0.4	372.84	11.5	+0.4
June 30	605.90	29,520	-25.2	372.49	10.5	-0.2	372.49	10.5	-0.2
July 31	603.71	27,560	-31.9	371.97	8.9	-0.3	371.97	8.9	-0.3
Aug. 31	601.08	25,390	-35.3	371.85	8.5	-0.1	371.85	8.5	-0.1
Sept. 30	599.54	24,160	-20.7	372.33	10.0	+0.3	372.33	10.0	+0.3
WTR YR 2002	--	--	-21.0	--	--	0	--	--	0