



Water-Data Report 2013

01480684 MARSH CREEK LAKE NEAR DOWNINGTOWN

Lower Delaware Basin
Brandywine-Christina Subbasin

LOCATION.--Lat 40°03'24", long 75°43'06" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205, on right bank at dam on Marsh Creek, 0.3 mi upstream from mouth, and 3.2 mi north of Downingtown.

DRAINAGE AREA.--20.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by Pennsylvania Department of Environmental Protection).

COOPERATION.--Records provided by Pennsylvania Department of Environmental Protection.

REMARKS.--Reservoir formed by earthfill dam with concrete spillway at elevation 359.5 ft. Storage began November 1973. Total capacity, 22,190 acre-ft, elevation 373.0 ft. Reservoir is used for water supply, flood control, and recreation. Figures given herein represent contents above lowest gate sill at elevation 289.5 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,600 acre-ft, Jun 28, 2006, elevation, 363.92 ft; minimum contents (after first filling), 10,410 acre-ft, Mar 3, 1976, elevation, 351.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,400 acre-ft, Jun 12, elevation, 361.65 ft; minimum contents, 10,600 acre-ft, Nov 16, elevation, 352.13 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Date	Elevation, in ft	Contents, in acre-ft	Change in contents, in ft ³ /s
Sep 30	359.52	14,200	
Oct 31	357.32	13,100	-17.9
Nov 30	352.57	10,800	-38.6
Dec 31	355.10	12,000	+19.5
CAL YR 2012			-3.0
Jan 31	352.72	10,800	-19.5
Feb 28	354.98	11,900	+19.8
Mar 31	359.34	14,100	+35.8
Apr 30	360.86	14,900	+13.4
May 31	360.82	14,900	0.0
Jun 30	361.15	15,100	+3.4
Jul 31	360.72	14,900	-3.2
Aug 31	360.57	14,800	-1.6
Sep 30	359.95	14,400	-6.7
WTR YR 2013			+0.3