



Water-Data Report 2012

01480399 CHAMBERS LAKE NEAR WAGONTOWN, PA

Lower Delaware Basin
Brandywine-Christina Subbasin

LOCATION.--Lat 40°01'40", long 75°51'03" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205, at Hibernia Dam on Birch Run, 0.6 mi upstream from gaging station on Birch Run (station 01480400), 0.9 mi upstream from mouth, and 1.4 mi northwest of Wagontown.

DRAINAGE AREA.--4.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by Chester County Water Resources Authority, Chester County Parks and Recreation Department). Satellite telemetry at station. Non-recording gage, May 1997 to Jan 2007.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Chester County Water Resources Authority.

REMARKS.--Reservoir formed by earthfill dam with principal spillway at elevation 587.5 ft, capacity 2,000 acre-ft. Dam crest at elevation 596.5 ft. Normal elevation 580 ft, capacity 1,226 acre feet. Reservoir is used for water supply, flood control, and recreation. Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 1,470 acre-ft, Sept. 23, 2011, elevation, 583.13 ft; minimum recorded contents, 605 acre-ft, Oct. 10, 2002, elevation, 571.23 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,310 acre-ft, Dec 7, elevation, 581.37 ft; minimum contents, 1,060 acre-ft, Sep 17, elevation, 578.27 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Date	Elevation, in ft	Contents, in acre-ft	Change in contents, in ft ³ /s
Sep 30	580.33	1,210	
Oct 31	580.39	1,210	0.0
Nov 30	580.47	1,220	+0.2
Dec 31	580.28	1,200	-0.3
CAL YR 2011			0.0
Jan 31	579.28	1,130	-1.1
Feb 29	580.57	1,230	+1.7
Mar 31	579.56	1,150	-1.3
Apr 30	580.05	1,180	+0.5
May 31	580.11	1,190	+0.2
Jun 30	580.01	1,180	-0.2
Jul 31	579.74	1,160	-0.3
Aug 31	578.92	1,100	-1.0
Sep 30	578.43	1,070	-0.5
WTR YR 2012			-0.2