



Water-Data Report 2013

**01447780 FRANCIS E. WALTER RESERVOIR NEAR WHITE HAVEN, PA**

Upper Delaware Basin  
Lehigh Subbasin

LOCATION.--Lat 41°06'45", long 75°43'15" referenced to North American Datum of 1927, Luzerne County, PA, Hydrologic Unit 02040106, at dam on Lehigh River, 2,200 ft downstream from Bear Creek, and 5.0 mi northeast of White Haven.

DRAINAGE AREA.--289 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--February 1961 to current year.

GAGE.--Water-stage recorder and crest-stage. Datum of gage is sea level. U.S. Army Corps of Engineers datum. Satellite and landline telemetry at station.

COOPERATION.--Content tables provided by U. S. Army Corps of Engineers. Station established and maintained by the U.S. Geological Survey in cooperation with the U.S. Army Corps of Engineers, Philadelphia District.

REMARKS.--Reservoir formed by an earthfill embankment covered with a rock shell, with concrete spillway at elevation 1,450.0 ft. Storage began Feb. 17, 1961; reservoir first reached conservation pool in June 1961. Total capacity (elevation 1,450.0 ft) is 110,700 acre-ft of which 108,700 acre-ft is controlled storage above elevation 1,300.0 ft, (conservation pool). Dead storage is 2,000 acre-ft. Flow regulated by three gates and low-flow by-pass system. Reservoir is used for flood control and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 95,440 acre-ft, Jun 29, 2006, elevation, 1,441.82 ft; minimum contents (after establishment of conservation pool), 980 acre-ft, Jul 6, 1982, elevation, 1,287.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum recorded contents, 22,450 acre-ft, Jul 3, elevation, 1,373.15 ft; minimum contents, 1,720 acre-ft, Oct 29, elevation, 1,297.85 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 <sup>3</sup> /s
Sep 30	1,311.09	3,210	
Oct 31	1,338.63	8,410	+84.6
Nov 30	1,300.12	1,940	-109
Dec 31	1,305.87	2,560	+10.1
CAL YR 2012			-0.1
Jan 31	1,313.75	3,570	+16.4
Feb 28	1,302.50	2,190	-24.8
Mar 31	1,359.98	15,890	+223
Apr 30	1,369.26	20,330	+74.6
May 31	1,370.01	20,720	+6.3
Jun 30	1,370.40	20,930	+3.5
Jul 31	1,369.34	20,370	-9.1
Aug 31	1,358.83	15,400	-80.8
Sep 30	1,344.79	10,190	-87.6
WTR YR 2013			+9.6