

**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. 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. Capacity tables updated in 2011. 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, 57,080 acre-ft, Mar 12, elevation, 1,414.04 ft; minimum contents, 1,740 acre-ft, Jan 23, elevation, 1,297.99 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 <sup>3</sup> /s
Sep 30	1,330.17	6,420 <sup>a</sup>	
Oct 31	1,300.36	1,970	-72.4
Nov 30	1,303.96	2,340	+6.2
Dec 31	1,301.50	2,080	-4.2
CAL YR 2010			-0.2
Jan 31	1,300.76	2,010	-1.1
Feb 28	1,311.76	3,300	+23.2
Mar 31	1,369.39	20,390	+278
Apr 30	1,369.49	20,450	+1.0
May 31	1,370.63	21,050	+9.8
Jun 30	1,370.01	20,720	-5.5
Jul 31	1,360.40	16,080	-75.5
Aug 31	1,379.10	26,030	+162
Sep 30	1,384.00	29,390	+56.5
WTR YR 2011			+31.7

a Contents computed using updated storage-capacity tables provided by U.S. Army Corps of Engineers. Previously published contents figures revised as shown.