



Water-Data Report 2012

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 mi².

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, 29,390 acre-ft, Oct 01, elevation, 1,384.00 ft; minimum recorded contents, 1,550 acre-ft, Nov 03, elevation, 1,295.94 ft (may have been lower).

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	1,384.00	29,390	
Oct 31	1,305.63	2,530	-437
Nov 30	1,319.11	4,380	+31.1
Dec 31	1,306.56	2,640	-28.3
CAL YR 2011			+0.8
Jan 31	1,304.14	2,360	-4.6
Feb 29	1,299.76	1,910	-8.1
Mar 31	1,311.08	3,210	+21.1
Apr 30	1,353.54	13,250	+169
May 31	1,369.84	20,630	+120
Jun 30	1,368.65	20,010	-10.4
Jul 31	1,349.67	11,820	-133
Aug 31	1,314.09	3,620	-133
Sep 30	1,311.09	3,210	-6.9
WTR YR 2012			-36.2