

01428900 PROMPTON RESERVOIR AT PROMPTON, PA

Upper Delaware Basin
Lackawaxen Subbasin

LOCATION.--Lat 41°35'18", long 75°19'39" referenced to North American Datum of 1927, Wayne County, PA, Hydrologic Unit 02040103, at dam on West Branch Lackawaxen River, 0.3 mi north of Prompton, 0.4 mi upstream from highway bridge, and 0.5 mi upstream from Van Auken Creek.

DRAINAGE AREA.--59.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1960 to current year.

GAGE.--Water-stage recorder and crest-stage gage. 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 earth and rockfill dam with an ungated bedrock spillway at elevation 1,205.00 ft. Storage began July 1960. Capacity at elevation 1,205.00 ft is 51,700 acre-ft. Ordinary minimum (conservation) pool is 1,125.00 ft, capacity, 3,420 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Regulation is accomplished through an ungated tunnel.

Data marked as erroneous October 1, 2010 to December 17, 2010, due to orifice line damage during construction period.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,360 acre-ft, Jun 28, 2006, elevation, 1,156.44 ft; minimum (after first filling), 2,500 acre-ft, Jun 5, 1991, elevation, 1,121.46 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 5,600 acre-ft, Oct 1, elevation, 1,133.92 ft; minimum recorded contents, 2,740 acre-ft, July 25, elevation, 1,123.93 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 ³ /s
Sep 30			
Oct 31			
Nov 30			
Dec 31	1,124.83	2,960	
CAL YR 2010			-0.5
Jan 31	1,124.22	2,810	-2.4
Feb 28	1,126.53	3,390	+10.4
Mar 31	1,125.57	3,140	-4.1
Apr 30	1,127.31	3,600	+7.7
May 31	1,125.88	3,220	-6.2
Jun 30	1,125.33	3,080	-2.4
Jul 31	1,124.29	2,830	-4.1
Aug 31	1,126.25	3,320	+8.0
Sep 30	1,129.72	4,280	+16.1
WTR YR 2011			