

01449400 PENN FOREST RESERVOIR NEAR TRACHSVILLE, PA

Upper Delaware Basin
Lehigh Subbasin

LOCATION.--Lat 40°55'45", long 75°33'45" referenced to North American Datum of 1927, Carbon County, PA, Hydrologic Unit 02040106, at dam on Wild Creek, 0.7 mi upstream from hatchery, 2.6 mi upstream from Wild Creek Dam, 4.4 mi upstream from mouth, and 10.0 mi northeast of Palmerton.

DRAINAGE AREA.--16.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by city of Bethlehem).

COOPERATION.--Records provided by city of Bethlehem.

REMARKS.--Reservoir formed by a roller-compacted concrete dam with ungated concrete spillway at elevation 1,000.60 ft (capacity, 18,510 acre-ft). Storage began January 1999. From October 1958 to December 1998, reservoir was an earthfill dam with ungated concrete spillway at elevation 1,000.00 ft (capacity 19,980 acre-ft). Reservoir is used for municipal water supply. Regulation by valves on pipe through dam. Figures given herein represent total contents and include diversion since October 1969 from Tunkhannock Creek Basin to Wild Creek Basin.

EXTREMES FOR PERIOD OF RECORD.--Since January 1999, maximum contents, 19,590 acre-ft, Jun 28, 2006, elevation, 1,002.70 ft; minimum contents 8,220 acre-ft, Sep 15, 2000, elevation, 970.51 ft. Prior to Jan 1999 and before dam reconstruction, maximum contents, 20,800 acre-ft, Apr 16, 1983, elevation, 1,001.69 ft; minimum contents, 0 acre-ft, many days during 1996, 1997, 1998, and 1999 water years, elevation, 890.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 18,880 acre-ft, Jul 2, elevation, 1,001.33 ft; minimum contents, 17,810 acre-ft, Sep 30, elevation, 998.95 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 ³ /s
Sep 30	1,000.84	18,630	
Oct 31	1,001.09	18,760	+2.1
Nov 30	1,000.75	18,590	-2.9
Dec 31	1,000.83	18,630	+0.7
CAL YR 2012			-0.1
Jan 31	1,001.02	18,730	+1.6
Feb 28	1,000.88	18,650	-1.4
Mar 31	1,000.83	18,630	-0.3
Apr 30	1,000.88	18,650	+0.3
May 31	1,000.77	18,600	-0.8
Jun 30	1,001.05	18,740	+2.4
Jul 31	1,000.78	18,600	-2.3
Aug 31	1,000.25	18,360	-3.9
Sep 30	998.95	17,810	-9.2
WTR YR 2013			-1.1