

Water-Data Report 2011

01541340 GLENDALE LAKE AT FLINTON, PA

West Branch Susquehanna Basin
Upper West Branch Susquehanna Subbasin

LOCATION.--Lat 40°41'50", long 78°32'15" referenced to North American Datum of 1927, Cambria County, PA, Hydrologic Unit 02050201, at Glendale Dam on Beaverdam Run, 1.0 mi upstream from Dutch Run, 1.3 mi southwest of Flinton, 1.9 mi above mouth, and 3.4 mi south of Coalport.

DRAINAGE AREA.--41.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level, National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

COOPERATION.--Content tables provided by Pennsylvania Department of Environmental Protection. Station established and maintained by the U.S. Geological Survey in cooperation with the Pennsylvania Department of Environmental Protection.

REMARKS.--Reservoir formed by an earth and rockfill dam with ungated concrete spillway at elevation 1,435.00 ft. Storage began Dec 1, 1960. Capacity at elevation 1,435.00 ft is 40,000 acre-ft of which 14,700 acre-ft is controlled storage above elevation 1,427.00 ft. Dead storage is 25,300 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Outflow is controlled by 72-inch gate and an 8-inch bypass valve.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 33,390 acre-ft, Jun 24, 1972, elevation, 1,431.63 ft; minimum, 10,640 acre-ft, Nov 16, 1965, elevation, 1,415.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum recorded contents, 28,700 acre-ft, Mar 1, elevation, 1,429.12 ft; minimum recorded, 15,450 acre-ft, Sept 19, 30, elevation, 1,419.54 ft. As a result of missing record during some periods of the year, instantaneous values may have been higher than the recorded maximum contents and elevations or lower than the recorded minimum contents and elevations.

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	1,427.56	26,200	
Oct 31	1,427.22	25,650	-8.9
Nov 30	1,428.16	27,160	+25.4
Dec 31	1,427.24	25,680	-24.1
CAL YR 2010			-1.0
Jan 31	1,427.19	25,600	-1.3
Feb 28	1,429.05	28,590	+53.8
Mar 31	1,427.64	26,320	-36.9
Apr 30	1,428.11	27,080	+12.8
May 31	1,427.42	25,970	-18.1
Jun 30	1,427.06	25,400	-9.6
Jul 31	1,426.80	25,000	-6.5
Aug 31	1,422.70	19,310	-92.5
Sep 30	1,419.57	15,480	-64.4
WTR YR 2011			-14.8