

Water-Data Report 2012

01541180 CURWENSVILLE LAKE AT CURWENSVILLE, PA

West Branch Susquehanna Basin
Upper West Branch Susquehanna Subbasin

LOCATION.--Lat 40°57'13", long 78°31'40" referenced to North American Datum of 1927, Clearfield County, PA, Hydrologic Unit 02050201, at Curwensville Dam on West Branch Susquehanna River, 0.7 mi upstream from State Highway 453, 1.2 mi south of Curwensville, and 2.5 mi upstream from Anderson Creek.

DRAINAGE AREA.--365 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is U.S. Army Corps of Engineers local project datum. Prior to water year 2007, the datum was incorrectly reported as NGVD 1929. 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, Baltimore District.

REMARKS.--Reservoir formed by earthfill dam with excavated chute spillway and concrete control sill at elevation 1,228.00 ft. Storage began in November 1965. Capacity at elevation 1,228.00 ft is 119,620 acre-ft. Conservation pool elevation is 1,155.00 ft, capacity, 3,250 acre-ft. Reservoir is used for flood control, recreation and study of water quality. Figures given herein represent total contents. Flow regulated by three gates and low-flow bypass system.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 87,650 acre-ft, Jun 25, 1972, elevation, 1,214.11 ft; minimum, 252 acre-ft, Nov 6, 1968, elevation, 1,136.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,710 acre-ft, Jan 28, elevation, 1,165.73 ft; minimum, 7,530 acre-ft, Mar 3, elevation, 1,161.85 ft.

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	1,162.27	7,850	
Oct 31	1,162.82	8,280	+7.0
Nov 30	1,162.37	7,930	-5.9
Dec 31	1,162.30	7,870	-1.0
CAL YR 2011			+0.2
Jan 31	1,162.80	8,260	+6.3
Feb 29	1,162.44	7,980	-4.9
Mar 31	1,162.31	7,880	-1.6
Apr 30	1,162.67	8,160	+4.7
May 31	1,162.03	7,660	-8.1
Jun 30	1,162.75	8,220	+9.4
Jul 31	1,162.72	8,200	-0.3
Aug 31	1,162.44	7,980	-3.6
Sep 30	1,162.70	8,180	+3.4
WTR YR 2012			+0.4