01518498 HAMMOND LAKE AT HAMMOND DAM AT TIOGA, PA

Upper Susquehanna Basin
Tioga Subbasin

LOCATION.--Lat 41°53′56″, long 77°08′52″ referenced to North American Datum of 1927, Tioga County, PA, Hydrologic Unit 02050104, at Hammond Dam on Crooked Creek, 3.0 mi upstream from mouth, and 0.8 mi southwest of Tioga.

DRAINAGE AREA.--122 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1979 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 is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation 1,131.0 ft. Storage began in November 1979. Capacity at elevation 1,131.0 ft is 63,500 acre-ft. Recreation lake elevation is 1,086.0 ft, capacity 8,625 acre-ft. Reservoir is used for flood control, recreation, and water quality. Figures given herein represent total contents. Hammond Lake is connected to Tioga Lake by a connecting channel that contains two gates and an overflow weir at elevation 1,101.00 ft. It is possible for flow to go in either direction depending on the head difference in the two lakes. Flow is regulated by the two gates through the connecting channel and a low-flow outlet to Crooked Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,650 acre-ft, Apr 3, 1993, elevation, 1,123.55 ft; minimum, 2,430 acre-ft, Oct 24, 1980, elevation, 1,074.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,690 acre-ft, Feb 1, elevation, 1,095.00 ft; minimum, 7,130 acre-ft, Oct 18, elevation, 1,083.69 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	1,084.32	7,530	
Oct 31	1,088.57	10,440	+47.3
Nov 30	1,087.08	9,630	-18.2
Dec 31	1,087.97	9,980	+10.1
CAL YR 2012			+0.5
Jan 31	1,094.39	15,140	+83.9
Feb 28	1,087.81	9,870	-94.9
Mar 31	1,087.21	9,450	-6.8
Apr 30	1,087.21	9,450	0.0
May 31	1,087.23	9,460	+0.2
Jun 30	1,086.78	9,150	-5.2
Jul 31	1,087.14	9,400	+4.1
Aug 31	1,085.79	8,490	-14.8
Sep 30	1,084.98	7,960	-8.9
WTR YR 2013			+0.6

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01518498, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01518498.2013.pdf