Water-Data Report 2007

01523000 ALMOND LAKE NEAR ALMOND, NY

Upper Susquehanna Basin
Tioga Subbasin

LOCATION.--Lat 42°20′56″, long 77°42′10″ referenced to North American Datum of 1927, Steuben County, NY, Hydrologic Unit 02050104, at Almond Dam on Canacadea Creek, 2.0 mi northeast of Almond, and 3.0 mi upstream from mouth. Located adjacent to State Highway 21, between Hornell and Almond, N.Y.

DRAINAGE AREA.--55.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1949 to September 1952 (monthly elevations and contents), October 1952 to September 1985 (mean daily elevations and month-end contents), October 1985 to current year (month-end elevations and contents). Prior to October 1970, published as "Almond Reservoir near Almond."

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers).

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in June 1949 for flood control; first used for flood regulation on Mar. 28, 1950. Usable capacity, 14,800 acre-ft between elevations 1,229.0 ft (sill of gates) and 1,300.0 ft (crest of spillway). No dead storage. Figures given herein represent usable contents. Discharge is controlled by the operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone and satellite gage-height and precipitation telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,100 acre-ft, June 23, 1972, elevation, 1,298.58 ft; no contents for many days each year 1949-65.

EXTREMES FOR CURRENT YEAR.-- Maximum contents, 7,806 acre-ft, Mar. 16, elevation 1,283.60 ft; minimum contents, 1,646 acre-ft, Aug. 16, 17, elevation, 1,259.31 ft.

01523000 ALMOND LAKE NEAR ALMOND, NY—Continued

MONTH-END ELEVATION AND CONTENTS

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet) *	Contents (acre-feet)	Change in contents (equivalent in ft^3/s)
Sept. 30	1,260.99	1,910	
Oct. 31	1,261.27	1,960	+0.8
Nov. 30	1,260.11	1,770	-3.2
Dec. 31	1,260.34	1,800	+0.5
CAL YR 2006	--	--	+0.1
Jan. 31	1,260.13	1,770	-0.5
Feb. 28	1,260.41	1,820	+0.9
Mar. 31	1,260.57	1,840	+0.3
Apr. 30	1,260.37	1,810	-0.5
May 31	1,260.49	1,830	+0.3
June 30	1,259.96	1,740	-1.5
July 31	1,259.96	1,740	0.0
Aug. 31	1,260.20	1,780	+0.5
Sept. 30	1,260.55	1,840	+1.0
WTR YR 2007	--	--	-0.1