Water-Data Report 2008

01433200 CLIFF LAKE NEAR FOWLERSVILLE, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°35′00″, long 74°47′40″ referenced to North American Datum of 1927, Sullivan County, NY, Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi northwest of Fowlersville.

DRAINAGE AREA.--29.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WSP 1552: 1951-54. WDR NY-75-1: 1974(m). WDR NY-86-1: 1985.

GAGE.--Nonrecording gage, usually daily readings about 0900. Datum of gage is NGVD of 1929 (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level, 1,043.3 ft.

REMARKS.--Reservoir is formed by a concrete gravity-type dam. Storage began Jan. 6, 1939. Usable capacity, 136.06 mil ft^3 between elevations 1,043.3 ft, minimum operating pool, and 1,072.0 ft, top of permanent flashboards. Capacity below elevation 1,043.3 ft, minimum operating pool, about 6.54 mil ft^3. Reservoir is used for storage of water for power. Water is received from Toronto and Lebanon Lake reservoirs and is discharged through a tunnel into Swinging Bridge Reservoir. Figures given herein represent contents above 1,043.3 ft. Records provided by Mirant New York, Inc. until May 2007, and Alliance Energy New York as of May 2007. Elevation from reading on or nearest last day of month.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 145.44 mil ft^3, July 30, 31, 1945, elevation, 1,073.1 ft; minimum contents observed (after first filling), about -6.54 mil ft^3, Mar. 16, 1963, elevation, 1,038.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 115.76 mil ft^3, Oct. 8, elevation, 1,069.5 ft; minimum contents observed, 39.76 mil ft^3, Mar. 5, elevation, 1,057.0 ft.

MONTH-END ELEVATION AND CONTENTS

WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft^3/s)
Sept. 30	1,066.0	90.26	
Oct. 31	1,068.6	108.86	+6.9
Nov. 30	1,067.2	98.60	-4.0
Dec. 31	1,064.2	78.54	-7.5
CAL YR 2007	--	--	-1.6
Jan. 31	1,064.0	77.26	-0.5
Feb. 29	1,061.0	59.36	-7.1
Mar. 31	1,065.3	85.64	+9.8
Apr. 30	1,063.6	74.78	-4.2
May 31	1,063.0	71.06	-1.4
June 30	1,062.2	66.26	-1.9
July 31	1,064.5	80.46	+5.3
Aug. 31	1,060.7	57.74	-8.5
Sept. 30	1,059.2	49.88	-3.0
WTR YR 2008	--	--	-1.3

***** Elevation from reading on or nearest last day of month.