



Water-Data Report 2010

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 mi².

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 ft³ 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 ft³. 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 Alliance Energy New York. Elevation from reading on or nearest last day of month.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 145.44 mil ft³, July 30, 31, 1945, elevation, 1,073.1 ft; minimum contents observed (after first filling), about -6.54 mil ft³, Mar. 16, 1963, elevation, 1,038.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 90.26 mil ft³, Mar. 16, elevation, 1,066.0 ft; minimum contents observed, 37.71 mil ft³, Feb. 23, elevation, 1,056.5 ft.

MONTH-END ELEVATION AND CONTENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)
Sept. 30	1,059.6	51.92	
Oct. 31	1,063.9	76.64	+9.2
Nov. 30	1,060.3	55.58	-8.1
Dec. 31	1,064.0	77.26	+8.1
CAL YR 2009	--	--	-1.2
Jan. 31	1,061.2	60.50	-6.3
Feb. 28	1,056.6	38.12	-9.3
Mar. 31	1,064.4	79.82	+15.6
Apr. 30	1,062.9	70.46	-3.6
May 31	1,061.2	60.50	-3.7
June 30	1,061.2	60.50	0.0
July 31	1,060.0	53.96	-2.4
Aug. 31	1,062.9	70.46	+6.2
Sept. 30	1,061.0	59.36	-4.3
WTR YR 2010	--	--	+0.2

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