



Water-Data Report 2007

01433000 SWINGING BRIDGE RESERVOIR NEAR FOWLERSVILLE, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°34'21", long 74°47'00" referenced to North American Datum of 1927, Sullivan County, NY, Hydrologic Unit 02040104, at dam on Mongaup River, and 1.8 mi northwest of Fowlersville.

DRAINAGE AREA.--116 mi², excluding Cliff Lake, Lebanon Lake, and Toronto Reservoir.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1930 to current year.

REVISED RECORDS.--WSP 1552: 1951-54. WDR NY-86-1: 1985. WDR NY-90-1: Drainage area.

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, 1,010 ft.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began Jan. 19, 1930. Usable capacity, 1,436.6 mil ft³ between elevations 1,010.0 ft, minimum operating pool, and 1,071.2 ft, top of flashboards. Capacity below elevation 1,010.0 ft, minimum operating pool, about 212.7 mil ft³. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,010.0 ft. Water is received from Cliff Lake, Lebanon Lake, and Toronto Reservoir. 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. The reservoir level was lowered 40 ft due to a sinkhole discovered on May 25, 2005. The sinkhole was repaired and the reservoir refilled by July 2007.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 1,461.6 mil ft³, Mar. 14, 1977, elevation, 1,071.8 ft; minimum contents observed (after first filling), -141.4 mil ft³, Dec. 2, 1938, elevation, 987.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,210.3 mil ft³, Sept. 28, elevation, 1,065.5 ft; minimum contents observed, 160.6 mil ft³, Oct. 16, elevation, 1,024.8 ft.

MONTH-END ELEVATION AND CONTENTS

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)
Sept. 30	1,027.4	198.0	
Oct. 31	1,030.1	241.0	+16.0
Nov. 30	1,026.9	190.4	-19.5
Dec. 31	1,034.0	310.9	+45.0
CAL YR 2006	--	--	+4.8
Jan. 31	1,036.6	362.7	+19.3
Feb. 28	1,037.8	387.9	+10.4
Mar. 31	1,050.3	702.0	+117
Apr. 30	1,063.3	1,128.1	+164
May 31	1,051.6	740.1	-145
June 30	1,052.1	754.9	+5.7
July 31	1,057.8	935.5	+67.4
Aug. 31	1,063.9	1,150.2	+80.2
Sept. 30	1,065.5	1,210.3	+23.2
WTR YR 2007	--	--	+32.1

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