Water-Data Report 2012

# 01433100 TORONTO RESERVOIR NEAR BLACK LAKE, NY

Upper Delaware Basin
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°37′15″, long 74°49′55″ referenced to North American Datum of 1927, Sullivan County, NY, Hydrologic Unit 02040104, at dam on Black Lake Creek, and 2.5 mi southeast of village of Black Lake.

DRAINAGE AREA.--22.9 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1926 to current year.

REVISED RECORDS.--WSP 1552: 1951-54. WSP 1702: 1959 (M). WDR NY-85-1: 1984. 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, 1,165.0 ft.

REMARKS.--Reservoir is formed by an earthfill dam completed July 24, 1926. Storage began Jan. 13, 1926. Usable capacity 1,098.2 mil $ft^3$ between elevations 1,165.0 ft, minimum operating pool, and 1,220.0 ft, top of permanent flashboards. Capacity below elevation 1,165.0 ft, minimum operating pool, about 26.8 mil $ft^3$. Reservoir is used for storage of water for power. Figures given herein represent contents above 1,165.0 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, 1,186.4 mil $ft^3$, Apr. 4, 2005, elevation, 1,222.4 ft; minimum contents observed (after first filling), about -26.8 mil $ft^3$, Nov. 15, 1928, elevation, 1,144.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,052.8 mil $ft^3$, Oct. 2, elevation, 1,218.7 ft; minimum contents observed, 465.8 mil $ft^3$, Sept. 18, elevation, 1,197.9 ft.

**MONTH-END ELEVATION AND CONTENTS**

**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

| Date | Elevation (feet) * | Contents (million gallons) | Change in contents (equivalent in $ft^3/s$) |
|---|---|---|---|
| **Sept. 30** | 1,217.3 | 1,004.8 | |
| **Oct. 31** | 1,213.0 | 867.8 | -51.1 |
| **Nov. 30** | 1,205.9 | 668.4 | -76.9 |
| **Dec. 31** | 1,207.4 | 708.9 | +15.1 |
| **CAL YR 2011** | -- | -- | -1.0 |
| **Jan. 31** | 1,200.7 | 533.8 | -65.4 |
| **Feb. 29** | 1,201.1 | 543.7 | +4.0 |
| **Mar. 31** | 1,202.4 | 576.8 | +12.4 |
| **Apr. 30** | 1,203.6 | 607.8 | +12.0 |
| **May 31** | 1,207.7 | 717.0 | +40.8 |
| **June 30** | 1,206.5 | 684.6 | -12.5 |
| **July 31** | 1,203.3 | 600.0 | -31.6 |
| **Aug. 31** | 1,200.0 | 516.3 | -31.2 |
| **Sept. 30** | 1,200.0 | 516.3 | 0.0 |
| **WTR YR 2012** | -- | -- | -15.4 |

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



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