



Water-Data Report 2013

**01366400 RONDOUT RESERVOIR AT LACKAWACK, NY**

Upper Hudson Basin  
Rondout Subbasin

LOCATION.--Lat 41°47'57", long 74°25'48" referenced to North American Datum of 1927, Ulster County, NY, Hydrologic Unit 02020007, at release chamber at Merriman Dam on Rondout Creek, 1.1 mi upstream from Brandy Brook, and 1.3 mi northwest of Lackawack.

DRAINAGE AREA.--95.4 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

REMARKS.--Reservoir is formed by an earthfill rockfaced dam; storage began May 10, 1951. Initial filling (to crest of spillway) Mar. 28, 1955. Usable capacity 50,048 mil gal between minimum operating level, elevation 720.00 ft, and crest of spillway, elevation 840.00 ft. Dead storage below elevation 720.00 ft, 2,387 mil gal. Figures given herein represent total contents. Reservoir impounds water from Rondout Creek; water diverted from Cannonsville Reservoir in the Delaware River basin through West Delaware Tunnel; water diverted from Pepacton Reservoir through East Delaware Tunnel; and water diverted from Neversink Reservoir through Neversink-Grahamsville Tunnel. Water is diverted (01366399) from Rondout Reservoir for New York City water supply through West Branch Tunnel of Delaware Aqueduct. Diversion began April 1944 by means of temporary emergency connection to aqueduct. Elevation is an instantaneous reading on first day of following month. Records provided by New York City Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 54,346 mil gal, Apr. 3, 2005, elevation, 842.77 ft; minimum contents observed (after initial filling), 8,335 mil gal, Oct. 15, 1957, elevation, 748.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 52,929 mil gal, June 14, elevation, 840.72 ft; minimum contents observed, 43,222 mil gal, Feb. 20, elevation, 825.86 ft.

**MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

| Date               | Elevation (feet) * | Contents (million gallons) | Change in Contents (equivalent in ft <sup>3</sup> /s) | 01366399 Monthly Diversion (in ft <sup>3</sup> /s) |
|--------------------|--------------------|----------------------------|---|--|
| Sept. 30           | 836.99             | 50,400                     |   |  |
| Oct. 31            | 835.71             | 49,548                     | -42.5   | 1,076  |
| Nov. 30            | 836.30             | 49,940                     | +20.2   | 1,257  |
| Dec. 31            | 835.22             | 49,223                     | -35.8   | 1,160  |
| <b>CAL YR 2012</b> | --                 | --                         | -4.1  | 1,151  |
| Jan. 31            | 829.95             | 45,798                     | -171  | 1,179  |
| Feb. 28            | 832.09             | 47,174                     | +76.0   | 1,120  |
| Mar. 31            | 838.15             | 51,180                     | +200  | 1,051  |
| Apr. 30            | 838.64             | 51,511                     | +17.1   | 1,154  |
| May 31             | 839.47             | 52,074                     | +28.1   | 948  |
| June 30            | 838.92             | 51,699                     | -19.3   | 1,032  |
| July 31            | 835.41             | 49,350                     | -117  | 1,232  |
| Aug. 31            | 837.04             | 50,434                     | +54.1   | 1,200  |
| Sept. 30           | 836.77             | 50,254                     | -9.3  | 1,069  |
| <b>WTR YR 2013</b> | --                 | --                         | -0.6  | 1,123  |

\* Elevation is an instantaneous reading on first day of following month.