USGS
science for a changing world

Water-Data Report 2012

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 mi².

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, 52,013 mil gal, May 23, elevation, 839.38 ft; minimum contents observed, 48,729 mil gal, Apr. 23, elevation, 834.47 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Date	Elevation (feet) *	Contents (million gallons)	Change in Contents (equivalent in ft^3/s)	01366399 Monthly Diversion (in ft^3/s)
Sept. 30	838.79	51,612		
Oct. 31	836.32	49,953	-82.8	1,299
Nov. 30	838.14	51,173	+62.9	1,300
Dec. 31	836.67	50,187	-49.2	1,274
CAL YR 2011	--	--	+1.9	1,183
Jan. 31	835.81	49,615	-28.5	1,263
Feb. 29	835.81	49,615	0.0	1,277
Mar. 31	838.09	51,139	+76.1	1,274
Apr. 30	835.41	49,350	-92.3	1,117
May 31	838.51	51,423	+104	1,061
June 30	839.15	51,856	+22.3	1,130
July 31	836.78	50,260	-79.7	1,086
Aug. 31	836.82	50,287	+1.3	1,080
Sept. 30	836.99	50,400	+5.8	1,041
WTR YR 2012	--	--	-5.1	1,183

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

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 01366400, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/01366400.2012.pdf

01366400 RONDOUT RESERVOIR AT LACKAWACK, NY—Continued

01366400 RONDOUT RESERVOIR AT LACKAWACK, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
PESTICIDE DATA: 1999-2011 (b), 2012 (a).

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 1 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Medium code	Sampling method (82398)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloroaniline, water, filtered, recoverable, µg/L (61625)
06-18-2012	**0800**	WB	Grab smp tap wat sup	< .0360	< .0060	< .010	E .006	< .010	< .0060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	4-Chloro-2-methylphenol, water, filtered, recoverable, µg/L (61633)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Alachlor, water, filtered, recoverable, µg/L (46342)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)
06-18-2012	**0800**	< .0080	< .010	< .008	0.005	< .042	< .120	< .014	< .060

01366400 RONDOUT RESERVOIR AT LACKAWACK, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 3 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)
06-18-2012	0800	< .08	< .0036	< .010	< .016	< .020	< .0076	< .029	< .012	< .0060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 4 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)
06-18-2012	0800	< .04	< .08	< .008	< .0060	< .021	< .010	< .054	< .08	< .030

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 5 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)
06-18-2012	0800	< .012	< .024	< .018	< .0048	< .012	< .014	< .008	< .022	< .016

01366400 RONDOUT RESERVOIR AT LACKAWACK, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 6 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)
06-18-2012	0800	< .014	< .012	< .014	< .008	< .020	< .012	< .010	< .012	< .027

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 7 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)
06-18-2012	0800	< .020	< .0511	< .080	< .012	< .010	< .0036	< .006	< .028	< .045

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 8 of 8
[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthylazine, water, filtered, recoverable, µg/L (04022)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)
06-18-2012	0800	< .018	< .008	< .018	< .018