

01424997 CANNONSVILLE RESERVOIR NEAR STILESVILLE, NY

Upper Delaware Basin
Upper Delaware Subbasin

LOCATION.--Lat 42°03'46", long 75°22'49" referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02040101, in emergency gate tower at Cannonsville Dam on West Branch Delaware River, and 1.8 mi southeast of Stilesville.

DRAINAGE AREA.--454 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WDR NY-71-1: 1966. WDR NY-81-1: 1980-Diversion.

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 Sept. 30, 1963. Usable capacity 95,706 mil gal between minimum operating level, elevation 1,040.0 ft, and crest of spillway, elevation 1,150.0 ft. Capacity, at crest of spillway, 98,618 mil gal; at minimum operating level, 2,912 mil gal; at mouth of inlet channel to diversion tunnel, elevation 1,035.0 ft, 1,892 mil gal; in dead storage below release outlet, elevation 1,020.5 ft, 328 mil gal. Figures given herein represent total contents. Reservoir impounds water for diversion (01423900) through West Delaware Tunnel to Rondout Reservoir on Rondout Creek, in Hudson River basin, for water supply to City of New York; for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master; and for conservation release. No diversion prior to January 29, 1964. Records provided by New York City Department of Environmental Protection. Elevation is an instantaneous reading on first day of following month.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 111,785 mil gal, June 29, 2006, elevation, 1,158.00 ft; minimum contents observed (after first filling), 6,157 mil gal, Nov. 26, 2001, elevation, 1,051.76 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 99,471 mil gal, May 21, elevation, 1,150.53 ft; minimum contents observed, 55,379 mil gal, Sept. 28, elevation, 1,117.94 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)	01423900 Monthly Diversion (in ft ³ /s)
Sept. 30	1149.11	97,264		
Oct. 31	1143.15	88,339	-446	674
Nov. 30	1144.00	89,567	+63.3	740
Dec. 31	1145.03	91,058	+74.4	464
CAL YR 2011	--	--	+16.4	280
Jan. 31	1145.55	91,849	+39.5	443
Feb. 29	1141.39	85,795	-323	422
Mar. 31	1144.82	90,752	+247	461
Apr. 30	1145.45	91,696	+48.7	370
May 31	1149.12	97,280	+279	354
June 30	1144.25	89,928	-379	112
July 31	1132.92	74,124	-789	379
Aug. 31	1124.48	63,253	-543	278
Sept. 30	1118.87	56,464	-350	227
WTR YR 2012	--	--	-172	411

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