



Water-Data Report 2009

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, 101,129 mil gal, June 23, elevation, 1,151.56 ft; minimum contents observed, 54,645 mil gal, Oct. 24, elevation, 1,117.31 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION

WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Elevation (feet) *	Contents (million gallons)	Change in Contents (equivalent in ft ³ /s)	01423900 Monthly Diversion (in ft ³ /s)
Sept. 30	1125.63	64,691		
Oct. 31	1121.00	59,004	-284	115
Nov. 30	1133.02	74,257	+787	0.0
Dec. 31	1149.70	98,162	+1,193	19.0
CAL YR 2008	--	--	+8.3	137
Jan. 31	1137.90	80,885	-862	0.0
Feb. 28	1142.43	87,298	+354	123
Mar. 31	1149.88	98,435	+556	19.2
Apr. 30	1149.44	97,766	-34.5	132
May 31	1151.28	100,678	+145	171
June 30	1149.98	98,588	-108	0.0
July 31	1151.27	100,662	+104	198
Aug. 31	1147.26	94,450	-310	79.7
Sept. 30	1142.35	87,182	-375	200
WTR YR 2009	--	--	+95.3	87.9

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