



Water-Data Report 2007

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. Impounded water is diverted (01423900) for New York City water supply via West Delaware Tunnel to Rondout Reservoir in Hudson River basin; is released in Delaware River for downstream low flow augmentation, as directed by the Delaware River Master; and is released for conservation flow in the Delaware River. 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, 104,396 mil gal, Mar. 28, elevation, 1,153.59 ft; minimum contents observed, 52,031 mil gal, Sept. 30, elevation, 1,115.07 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION

WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet) *	Contents (million gallons)	Change in Contents (equivalent in ft ³ /s)	01423900 Monthly Diversion (in ft ³ /s)
Sept. 30	1149.67	98,116		
Oct. 31	1151.68	101,322	+160	84.8
Nov. 30	1150.34	99,165	-111	0.0
Dec. 31	1147.03	94,100	-253	0.0
CAL YR 2006	--	--	+9.8	62.3
Jan. 31	1148.46	96,276	+109	50.7
Feb. 28	1139.68	83,345	-715	226
Mar. 31	1152.14	102,062	+934	89.3
Apr. 30	1150.35	99,181	-149	63.7
May 31	1148.30	96,032	-157	463
June 30	1140.21	84,089	-616	420
July 31	1132.03	72,945	-556	382
Aug. 31	1122.26	60,542	-619	369
Sept. 30	1114.59	51,493	-467	251
WTR YR 2007	--	--	-198	200

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