



Water-Data Report 2006

01424997 CANNONVILLE 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, 111,785 mil gal, June 29, elevation, 1,158.00 ft; minimum contents observed, 27,538 mil gal, Oct. 8, elevation, 1,090.29 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION

WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft ³ /s)	01423900 Monthly Diversion (in ft ³ /s)
Sept. 30	1095.71	32,204		
Oct. 31	1106.48	42,691	+523	14.4
Nov. 30	1129.71	69,886	+1,403	0.0
Dec. 31	1145.51	91,788	+1,093	0.0
CAL YR 2005	--	--	-38.0	216
Jan. 31	1151.72	101,386	+479	0.0
Feb. 28	1150.65	99,664	-95.2	0.0
Mar. 31	1150.35	99,181	-24.1	212
Apr. 30	1151.45	100,952	+91.3	352
May 31	1150.73	99,792	-57.9	60.3
June 30	1153.91	104,911	+264	21.3
July 31	1150.57	99,535	-268	0.0
Aug. 31	1150.50	99,503	-1.6	14.4
Sept. 30	1149.67	98,116	-71.5	0.0
WTR YR 2006	--	--	+279	56.3

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