01416900 PEPACTON RESERVOIR NEAR DOWNSVILLE, NY

Upper Delaware Basin
East Branch Delaware Subbasin

LOCATION.--Lat 42°04′38″, long 74°58′04″ referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02040102, near release chamber at Downsville Dam on East Branch Delaware River, and 1.6 mi east of Downsville.

DRAINAGE AREA.--372 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR NY-90-1: Drainage area. WDR NY-71-1: 1970-Diversion. 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. 15, 1954. Usable capacity 140,190 mil gal between minimum operating level, elevation, 1,152.0 ft and crest of spillway, elevation, 1,280.0 ft. Capacity: at crest of spillway 149,799 mil gal; at minimum operating level, 9,609 mil gal; at sill of diversion tunnel, elevation, 1,143.0 ft, 6,098 mil gal; in dead storage below release outlet, elevation, 1,126.50 ft, 1,898 mil gal. Figures given herein represent total contents. Reservoir impounds water for diversion (01415200) through East 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 Jan. 6, 1955. 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, 156,691 mil gal, Apr. 3, 2005, elevation, 1,283.68 ft; minimum contents observed (after first filling), 9,575 mil gal, Dec. 26, 1964, elevation, 1,151.92 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 153,895 mil gal, Mar. 9, elevation, 1,282.20 ft; minimum contents observed, 101,991 mil gal, Oct. 19, elevation, 1,251.25 ft.

MONTH-END ELEVATION AND CONTENTS, AND MONTHLY DIVERSION

WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Elevation (feet) *	Contents (million gallons)	Change in contents (equivalent in ft³/s)	01415200 Monthly Diversion (in ft³/s)
Sept. 30	1253.76	105,753		
Oct. 31	1254.64	107,089	+66.7	706
Nov. 30	1262.08	118,795	+604	600
Dec. 31	1272.87	136,981	+908	181
CAL YR 2007	--	--	-11.7	537
Jan. 31	1275.67	141,935	+247	206
Feb. 29	1279.98	149,762	+418	97.2
Mar. 31	1280.41	150,559	+39.8	124
Apr. 30	1278.36	146,790	-194	386
May 31	1277.33	144,921	-93.3	345
June 30	1272.21	135,828	-469	490
July 31	1273.72	138,475	+132	598
Aug. 31	1268.10	128,764	-485	591
Sept. 30	1261.80	118,342	-538	650
WTR YR 2008	--	--	+53.2	415

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