01386990 WANAQUE RESERVOIR AT WANAQUE, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°02′42″, long 74°17′43″ referenced to North American Datum of 1983, Wanaque Borough, Passaic County, NJ, Hydrologic Unit 02030103, at Raymond Dam on Wanaque River at Wanaque, 1,700 ft upstream of bridge on County Route 511, (Ringwood Avenue), and 3.3 mi north of Riverdale.

DRAINAGE AREA.--90.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1928 to current year.

REVISED RECORDS.--WDR NJ-85-1: 1984 (M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by North Jersey District Water Supply Commission).

REMARKS.--Reservoir is formed by earthfill with concrete-core wall main dam and seven secondary dams; dams completed in 1927 and storage began in March 1928. Total capacity at spillway level, 29,630,000,000 gal, elevation, 302.4 ft, prior to 1986, 300.3 ft. Capacity available by gravity at spillway level, 27,850,000,000 gal. Outflow mostly controlled by sluice gates in intake conduits in gatehouse. Water is diverted from reservoir for municipal supply (see 01386980). Diversion to reservoir from Posts Brook (see 01387020), Pompton River (see 01388980), and Ramapo River (see 01387990). Records given herein represent total capacity. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 31,280,000,000 gal, Apr. 5, 1984, elevation, 304.52 ft; minimum, 5,110,000,000 gal, Dec. 26, 1964, elevation, 256.06 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 30,151,000,000 gal, Mar. 10, elevation, 303.07 ft; minimum, 11,064,000,000 gal, Oct. 19, elevation, 271.94 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft^3/s
September	275.24	12,595	
October	274.62	12,298	-14.8
November	278.63	14,284	+102
December	287.64	19,324	+252
CALENDAR YEAR 2007			-40.1
January	289.52	20,513	+59.3
February	299.10	27,110	+352
March	302.36	29,600	+124
April	301.34	28,812	-40.6
May	301.55	28,973	+8.0
June	298.00	26,290	-138
July	291.54	21,829	-223
August	285.77	18,207	-181
September	285.94	18,305	+5.1
WATER YEAR 2008			+24.1