



Water-Data Report 2007

**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.

DRAINAGE AREA.--90.4 mi<sup>2</sup>.

**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, revised, 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.

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, 30,485,000,000 gal, Apr 17, elevation, 303.50 ft; minimum, 12,586,000,000 gal, Sept 30, elevation, 275.22 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft <sup>3</sup> /s
September	293.29	23,001	+62.1
October	294.63	23,918	+45.8
November	302.66	29,833	+305
December	301.32	28,796	-51.8
CALENDAR YEAR 2006			+3.3
January	302.11	29,405	+30.4
February	298.92	26,975	-134
March	299.46	27,378	+20.1
April	302.45	29,670	+118
May	300.29	28,003	-83.2
June	295.20	24,314	-190
July	288.73	20,007	-215
August	281.59	15,833	-208
September	275.24	12,595	-167
WATER YEAR 2007			-44.1