01379990 SPLITROCK RESERVOIR NEAR HIBERNIA, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°57′48″, long 74°27′35″ referenced to North American Datum of 1983, Rockaway Township, Morris County, NJ, Hydrologic Unit 02030103, at dam on Beaver Brook, 2.2 mi northeast of Hibernia.

DRAINAGE AREA.--5.50 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1925 to September 1931, December 1948 to current year.

REVISED RECORDS.--WDR NJ-94-1: 1993.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by United Water Jersey City.

REMARKS.--Reservoir is formed by a concrete gravity dam with earth embankment; present dam constructed 1946-48 and sluice gate first closed Dec. 22, 1948. Prior to 1946, reservoir was formed by earthfill dam with crest about 20 ft lower. Capacity of spillway level, 3,310,000,000 gal, elevation, 835 ft. Flow is regulated by two 30-inch sluice gates. Flow is released from Splitrock Reservoir via Beaver Brook and Rockaway River to Boonton Reservoir, where it is diverted for municipal supply of Jersey City (see 01380800).

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,652,500,000 gal, Apr. 5, 1973, elevation, 836.75 ft; minimum, 1,522,800,000 gal, Jan. 4, 1954, elevation, 824.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,395,000,000 gal, Mar. 10-16, elevation, 835.45 ft; minimum, 2,919,000,000 gal, Oct. 9-15, elevation, 833.05 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft^3/s
September	833.50	3,009	
October	833.65	3,038	+1.4
November	834.45	3,197	+8.2
December	835.10	3,325	+6.4
CALENDAR YEAR 2007			-0.3
January	835.00	3,306	-0.9
February	835.30	3,365	+3.1
March	835.10	3,325	-2.0
April	835.05	3,315	-0.5
May	835.05	3,315	0
June	834.95	3,296	-1.0
July	834.15	3,137	-7.9
August	833.55	3,018	-5.9
September	834.15	3,137	+6.1
WATER YEAR 2008			+0.5