Water-Data Report 2008

01377450 WOODCLIFF LAKE AT HILLSDALE, NJ

HACKENSACK RIVER BASIN

LOCATION.--Lat 41°00′46″, long 74°02′57″ referenced to North American Datum of 1983, Hillsdale Borough, Bergen County, NJ, Hydrologic Unit 02030103, at Woodcliff Lake Dam on Pascack Brook, 0.7 mi north of Hillsdale, and 1.5 mi north of Westwood.

DRAINAGE AREA.--19.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Lake elevation and contents, water years 1929 to current year. Annual maximum, water years 1998 to current year. Prior to October 2007, month-end contents and elevation provided by United Water New Jersey. Annual minimum, October 2007 to current year.

REVISED RECORDS.--WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents).

GAGE.-- Water-stage recorder and crest-stage gage. Datum of gage is 0.00 ft above NGVD of 1929 (levels by United Water-New Jersey).

COOPERATION.--United Water New Jersey.

REMARKS.--Reservoir is formed by earthfill dam, completed about 1905. The dam was modified in 1984, which increased capacity, 871,000,000 gal, elevation, 95.00 ft at top of Bascule gates. Flow is regulated by two Bascule gates 85-ft long and 6-ft high each and one 24-inch ball valve. Water is released for diversion at New Milford (diversion discontinued May 1990) and Oradell Reservoir at Haworth by United Water New Jersey (see 01378478), for municipal supply. Satellite gage-height telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 973,000,000 gal, Apr 16, 2007, gage height, 96.8 ft; minimum contents 493,000,000 gal, Oct 09, 2007, 87.81 ft.

EXTREMES FOR CURRENT YEAR.--Maximum conents 888,000,000 gal, Aug 6, gage height, 95.29 ft; minimum contents 493,000,000 gal, Oct 9, 87.81 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft^3/s
September	88.50	526	
October	90.85	645	+5.9
November	90.82	643	-0.1
December	91.19	663	+1.0
CALENDAR YEAR 2007			+2.4
January	90.46	625	-1.9
February	91.36	672	+2.5
March	91.32	670	-0.1
April	91.13	660	-0.5
May	92.26	720	+3.0
June	91.07	656	-3.3
July	93.30	777	+6.0
August	92.15	714	-3.1
September	90.98	652	-3.2
WATER YEAR 2008			+0.5