01407498 SWIMMING RIVER RESERVOIR NEAR RED BANK, NJ

SHREWSBURY RIVER BASIN

LOCATION.--Lat 40°19′09″, long 74°06′54″ referenced to North American Datum of 1983, Colts Neck Township, Monmouth County, NJ, Hydrologic Unit 02030104, at dam on Swimming River, 3.3 mi southwest of Red Bank, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--49.2 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1962 to current year. Unpublished records 1962 to 1998 available from the USGS New Jersey Water Science Center. Prior to the 2006 water year, published as 01407500.

REVISED RECORDS.--WDR NJ-00-1: 1999 (elevation, contents).

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

REMARKS.--Reservoir formed by concrete core and earth embankment dam, with a Trenton-type overflow spillway. Capacity at spillway level, 2,610,000,000 gal, elevation, 35.0 ft. Reservoir used for storage and water diversion by New Jersey-American Water Company (see 01407499). Reservoir enlarged and dam raised in 1962. Outflow is controlled by gates on a pipe.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 2,964,900,000 gal, Nov. 8, 1977, elevation 36.69 ft. Minimum extreme undetermined.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,765,000,000 gal, Sep. 29, elevation 35.74 ft; minimum, 2,148,000,000 gal, Sep. 5, elevation, 32.60 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft^3/s
September	34.13	2,436	
October	34.64	2,538	+5.1
November	35.08	2,627	+4.6
December	35.31	2,675	+2.4
CALENDAR YEAR 2007			+0.1
January	35.14	2,639	-1.8
February	35.21	2,654	+0.8
March	35.19	2,650	-0.2
April	35.20	2,652	+0.1
May	35.16	2,644	-0.4
June	34.99	2,608	-1.9
July	34.99	2,608	0
August	33.20	2,258	-17.5
September	35.22	2,656	+20.5
WATER YEAR 2008			+0.9