



Water-Data Report 2009

01396790 SPRUCE RUN RESERVOIR AT CLINTON, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°38'37", long 74°55'25" referenced to North American Datum of 1983, Union Township, Hunterdon County, NJ, Hydrologic Unit 02030105, at dam on Spruce Run, 0.5 mi north of Clinton, and 0.6 mi upstream from mouth.

DRAINAGE AREA.--41.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1963 to current year.

REVISED RECORDS.--WDR NJ-84-1: (M). WDR NJ-85-1: 1984.

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

COOPERATION.--Records provided by New Jersey Water Supply Authority.

REMARKS.--Reservoir is formed by earthfill dam with concrete spillway; dam completed in October 1963 with crest of spillway at elevation 273.00 ft. Usable capacity, 11,000,000,000 gal. Dead storage 300,000 gal. Reservoir used for water supply and recreation. Outflow mostly regulated by gates. Water is released to maintain minimum flow on the South Branch Raritan River and for municipal supply. Records given herein represent usable capacity.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 11,820,000,000 gal, Jan. 24, 1979, elevation, 274.72 ft; minimum observed, 3,100,000,000 gal, Oct. 18, 1983, elevation, 246.68 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 11,330,000,000 gal, Jul 2, elevation, 273.70 ft; minimum observed, 5,720,000,000 gal, Oct 25, elevation, 257.60 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft ³ /s
September	261.06	6,680	
October	260.04	6,360	-16.0
November	262.10	6,980	+32.0
December	269.28	9,480	+125
CALENDAR YEAR 2008			-6
January	270.82	10,090	+30.4
February	270.61	10,000	-5.0
March	271.92	10,540	+27.0
April	272.49	10,820	+14.4
May	273.12	11,070	+12.5
June	273.10	11,060	-5
July	273.14	11,090	+1.5
August	272.34	10,700	-19.5
September	271.62	10,390	-16.0
WATER YEAR 2009			+15.7