



Water-Data Report 2007

01382300 CLINTON RESERVOIR NEAR NEWFOUNDLAND, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°04'28", long 74°26'51" referenced to North American Datum of 1983, West Milford Township, Passaic County, NJ, Hydrologic Unit 02030103, at dam on Clinton Brook, 2.0 mi north of Newfoundland.

DRAINAGE AREA.--10.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1923 to current year.

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

GAGE.--Staff gage. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by City of Newark, Division of Water Supply.

REMARKS.--Reservoir is formed by earthfill dam constructed between 1889-92. Capacity at spillway level, 3,518,000,000 gal, elevation, 992.0 ft. Reservoir used for storage and water released for diversion at Macopin Intake Dam on Pequannock River prior to May 21, 1961, and for diversion at Charlotteburg Reservoir since May 21, 1961 (see 01382370), for municipal supply of City of Newark. Outflow is controlled mostly by operation of gates in pipes through dam.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft ³ /s
September	992.1	3,531	
October	992.3	3,556	+1.2
November	992.1	3,531	-1.3
December	992.0	3,518	-6
CALENDAR YEAR 2006			-1
January	992.0	3,518	0
February	991.2	3,416	-5.6
March	992.2	3,544	+6.4
April	992.2	3,544	0
May	992.0	3,518	-1.3
June	991.7	3,479	-2.0
July	991.9	3,505	+1.3
August	988.6	3,083	-21.1
September	984.6	2,561	-26.9
WATER YEAR 2007			-4.1