



Water-Data Report 2010

01382100 CANISTEAR RESERVOIR NEAR STOCKHOLM, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°06'40", long 74°29'31" referenced to North American Datum of 1983, Hardyston Township, Sussex County, NJ, Hydrologic Unit 02030103, at dam on Pacock Brook, 1.8 mi northeast of Stockholm.

DRAINAGE AREA.--6.08 mi².

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR NJ-94-1: 1993, WDR NJ-99-1: 1998 (elevation, contents).

GAGE.-- Water stage recorder, owned and operated by City of Newark, Division of Water Supply. Prior to 2010, staff gage only. 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 earth-embankment type dam, completed about 1896. Capacity at spillway level, 2,407,000,000 gal, elevation, 1,086.0 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 on Pequannock River since May 21, 1961 (see 01382370), for municipal supply for City of Newark. Outflow is controlled mostly by operation of gates in pipes through dam. Unknown amount of water diverted into the reservoir from the upper Pequannock River (Farber Brook) since around 2000.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft ³ /s
September	1,086.1	2,417	
October	1,086.2	2,427	+5
November	1,083.5	2,151	-14.2
December	1,082.0	2,000	-7.5
CALENDAR YEAR 2009			-1.9
January	1,080.2	1,831	-8.4
February	1,077.3	1,562	-14.9
March	1,086.2	2,427	+43.2
April	1,086.2	2,427	0
May	1,085.9	2,396	-1.5
June	1,085.8	2,386	-5
July	1,080.6	1,868	-25.8
August	1,079.3	1,746	-6.1
September	1,079.4	1,756	+5
WATER YEAR 2010			-2.8