



Water-Data Report 2009

0140815350 BRICK RESERVOIR AT HERBERTSVILLE, NJ

METEDECONK RIVER BASIN

LOCATION.--Lat 40°07'21", long 74°07'05" referenced to North American Datum of 1983, Brick Township, Ocean County, NJ, Hydrologic Unit 02040301, at outlet works tower on Sally Ike Road, on east side of Garden State Parkway, and 0.8 mi northwest of Herbertsville.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 2004 to current year.

GAGE.--Measurement from reference point. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by Brick Township Municipal Utilities Authority.

REMARKS.--Reservoir is a pumped raw water storage reservoir and, as such, has no significant drainage area or spillway. It has a perimeter roadway that extends 8,200 ft around the crest of the reservoir. Approximately 5,000 feet of the perimeter is comprised of an earthen Class 1 dam, constructed in 2004; filling began in April 2004. Capacity is 860,000,000 gal at elevation 100.00 ft. Three sluice gages are located at the outlet works tower at elevations 54, 71, and 87 ft. Diversion to the reservoir from the Metedeconk River through a 4.5 mile, 42-inch ductile iron transmission main. Water is transferred via gravity from the reservoir to the Brick Township water treatment plant in Laurelton for municipal supply, or can be released back to the Metedeconk River (see 0140815330).

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft ³ /s
September	100.0	860	
October	97.7	800	-3.0
November	100.0	860	+3.1
December	99.0	834	-1.3
CALENDAR YEAR 2008			-1
January	99.7	852	+9
February	99.8	855	+2
March	97.6	798	-2.8
April	99.0	834	+1.9
May	100.1	863	+1.4
June	100.1	863	0
July	100.3	868	+2
August	98.1	811	-2.8
September	99.0	834	+1.2
WATER YEAR 2009			-1