



Water-Data Report 2010

01376950 LAKE TAPPAN AT OLD TAPPAN, NJ

HACKENSACK RIVER BASIN

LOCATION.--Lat 41°01'06", long 74°00'04" referenced to North American Datum of 1983, Old Tappan Borough, Bergen County, NJ, Hydrologic Unit 02030103, at dam on Hackensack River, 0.5 mi north of Old Tappan, and 3.0 mi upstream from gaging station Hackensack River at Rivervale, NJ (01377000).

DRAINAGE AREA.--49.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NJ-89-1: Capacity, WDR NJ-99-1: 1998 (elevation, contents).

GAGE.--Water-stage recorder, owned and operated by United Water New Jersey. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by United Water New Jersey.

REMARKS.--Reservoir is formed by earthfill dam, completed in 1966. Capacity, 3,853,000,000 gal, elevation, 55.00 ft at top of Bascule gates. Flow regulated by four Bascule gates and one sluice gate. Water is released for diversion at New Milford (diversion discontinued May 1990) and Oradell Reservoir at Haworth by United Water New Jersey (see 01378478), for municipal water supply.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft ³ /s
September	54.16	3,554	
October	54.23	3,578	+1.2
November	53.08	3,181	-20.5
December	55.22	3,932	+37.5
CALENDAR YEAR 2009			-3
January	55.15	3,907	-1.2
February	55.38	3,989	+4.5
March	55.48	4,025	+1.8
April	55.12	3,895	-6.7
May	54.93	3,827	-3.4
June	53.32	3,264	-29.0
July	49.95	2,191	-53.5
August	50.01	2,209	+9
September	48.12	1,681	-27.2
WATER YEAR 2010			-7.9