



Water-Data Report 2006

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, 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	41.50	353	
October	54.68	3,739	+169.0
November	55.35	3,980	+12.4
December	55.23	3,937	-2.1
CALENDAR YEAR 2005			+2
January	55.13	3,899	-1.9
February	54.98	3,845	-3.0
March	54.34	3,617	-11.4
April	54.96	3,838	+11.4
May	54.52	3,680	-7.9
June	55.21	3,927	+12.7
July	53.93	3,474	-22.6
August	49.13	1,957	-75.7
September	48.76	1,854	-5.3
WATER YEAR 2006			+6.4