



Water-Data Report 2007

**01405003 LAWRENCE BROOK AT RIVA AVENUE, AT MILLTOWN, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°26'55", long 74°26'46" referenced to North American Datum of 1983, Milltown Borough, Middlesex County, NJ, Hydrologic Unit 02030105, at bridge on Riva Avenue, 0.5 mi downstream from Farrington Lake, and 0.5 mi south of Milltown.

DRAINAGE AREA.--36.1 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001-02, 2005-07.

GAGE.--Reference point only.

REMARKS.-- Flow affected by storage and releases from Farrington Lake, 2,200 ft upstream of site.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Dec 7, 2006	22.7
Mar 1, 2007	36.2
May 31, 2007	15.2
Aug 7, 2007	8.97

## 01405003 LAWRENCE BROOK AT RIVA AVENUE, AT MILLTOWN, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003-04, 2007.

REMARKS.--Cooperative Network Site Descriptor: Perchlorate Assessment special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determination of perchlorate was performed by TestAmerica Laboratories, Inc.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Time	Sample type	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unfltrd µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Per- chlor- ate, water, unfltrd µg/L (61209)
<b>Aug</b>											
<b>07...</b>	0930	Environmental	8.2	756	4.3	53	7.3	241	30.0	26.9	.1600
<b>07...</b>	0931	<i>Concurrent Replicate</i>	--	--	--	--	--	--	--	--	.1500