



Water-Data Report 2009

**01400360 PETERS BROOK AT MERCER STREET, AT SOMERVILLE, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°34'30", long 74°36'57" referenced to North American Datum of 1983, Somerville Borough, Somerset County, NJ, Hydrologic Unit 02030105, on the left bank on the downstream side of the bridge on Mercer Street in Somerville, 0.4 mi downstream from Macs Brook and 0.6 mi upstream from Ross Brook.

DRAINAGE AREA.--7.37 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Annual maximum, water years 1991 to current year. Occasional low-flow measurements, water years 2002 to current year.

GAGE.--Water-stage and precipitation recorder. Datum of gage is 42.50 ft above NGVD of 1929.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.97 ft, Sep 16, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.46 ft, Dec 12 at 0000.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Jul 16, 2009	1.01
Aug 17, 2009	1.57