



Water-Data Report 2011

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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1991 to May 2011, March 2012 to current year. Occasional low-flow measurements, water years 2002 to current year.

GAGE.--Water-stage and precipitation recorder and crest-stage gage. 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, although a higher peak likely occurred on Aug 28, 2011 when the gage was removed due to bridge reconstruction.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.11 ft, Apr 16 at 2300, although a higher peak likely occurred on Aug 28 when the gage was removed due to bridge reconstruction.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

| Date | Discharge, in ft³/s |
|--------------|---|
| Jun 21, 2011 | 1.45 |
| Jul 19, 2011 | 0.39 |