



Water-Data Report 2010

## 01378690 PASSAIC RIVER NEAR BERNARDSVILLE, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°44'01", long 74°32'24" referenced to North American Datum of 1983, Bernards Township, Somerset County, NJ, Hydrologic Unit 02030103, on downstream right wingwall of bridge on U.S. Route 202, 1.8 mi northeast of Bernardsville, and 3.0 mi upstream from Great Brook.

DRAINAGE AREA.--8.83 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Continuous-record gaging station, water years 1968-76. Annual maximum, water years 1977-2010 (discontinued).

REVISED RECORDS.--WDR NJ-71-1: 1970(M). WDR US-2006: 1997(M), 1998(M), 1999(M), 2000(M), 2001(M), 2002(M), 2003(M), 2004(M), 2005(M).

GAGE.--Crest-stage gage. Datum of gage is 238.07 ft above NGVD of 1929. Prior to May 4, 1972, datum was 10.00 ft higher. Online peak gage heights have been adjusted to current datum. Prior to Oct. 1, 1976, water-stage recorder at same location and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,850 ft<sup>3</sup>/s, Aug 28, 1971, gage height, 18.56 ft, adjusted to current datum.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 1,210 ft<sup>3</sup>/s, Mar 14, gage height, 15.03 ft.