



Water-Data Report 2006

**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 to current year.

REVISED RECORDS.--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.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 1,710 ft<sup>3</sup>/s, Oct 8, gage height, 15.89 ft.

REVISIONS.--Peak discharge for the annual maximum for water years 1997 to 2005 have been revised as shown in the following table. These values supersede the peak flows published in their respective annual water data reports.

Water Year	Date	Gage Height (ft)	Discharge (ft <sup>3</sup> /s)
1997	Oct 20, 1996	17.01	2,500
1998	Dec 30, 1997	12.86	360
1999	Sep 16, 1999	17.58	2,960
2000	Aug 15, 2000	13.00	379
2001	Jun 2, 2001	12.77	250
2002	May 14, 2002	12.88	344
2003	Sep 15, 2003	14.00	734
2004	Jul 23, 2004	14.88	1,140
2005	Apr 2, 2005	14.36	888