



Water-Data Report 2007

**01400950 HART BROOK NEAR PENNINGTON, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°19'18", long 74°45'35" referenced to North American Datum of 1983, Hopewell Township, Mercer County, NJ, Hydrologic Unit 02030105, on upstream right wingwall at culvert on Federal City Road, 1.6 mi upstream of mouth, and 1.7 mi southeast of Pennington.

DRAINAGE AREA.--0.57 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Water years 1968 to current year.

GAGE.--Crest-stage gage. Datum of gage after July 1, 1975 is 163.32 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, Aug 28, 1971, gage height, 6.77 ft; Maximum discharge, 470 ft<sup>3</sup>/s, Jul 14, 1987, gage height, 5.27 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 148 ft<sup>3</sup>/s, Nov 8, gage height, 3.75 ft.

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

| <b>Date</b>  | <b>Discharge,<br/>in ft<sup>3</sup>/s</b> |
|--------------|---|
| Oct 20, 2006 | 2.94                                      |
| Mar 16, 2007 | 4.25                                      |