Water-Data Report 2008

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^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR-US-2008: 1971(M), 1987(M).

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, about 400 ft^3/s, Aug 28, 1971, gage height, 6.77 ft;

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 122 ft^3/s, Mar 8, gage height, 3.39 ft.

REVISIONS.--Peak discharge for the annual maximum for the 1971 water year has been estimated as 400 ft^3/s (not previously published), Aug 28, 1971, gage height 5.58 ft. Peak discharge for the annual maximum for the 1987 water year has been revised to 276 ft^3/s, Jul 14, 1987, gage height 5.27 ft. These values supersede the maximum peak discharge published in their respective annual water data reports.