Water-Data Report 2008

01403570 STONY BROOK AT NORTH PLAINFIELD, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°37′19″, long 74°26′10″ referenced to North American Datum of 1983, North Plainfield Boro, Somerset County, NJ, Hydrologic Unit 02030105, on upstream right wingwall of bridge on Green Brook Road, in North Plainfield, 100 ft downstream of Crab Brook, and 1.4 mi upstream of mouth.

DRAINAGE AREA.--6.88 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1975-83, 1991 to current year. Miscellaneous measurements, water years 1975-80, 1992, 1994, 2005 to current year.

GAGE.--Water-stage recorder and rain gage. Datum of gage is 71.69 ft above NGVD of 1929.

REMARKS.--Radio stage and rainfall telemetry at station. Peak gage heights prior to 1991 were recorded at the downstream side of the bridge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,130 ft^3/s, Oct 19, 1996, gage height, 8.35 ft; maximum discharge, not determined, Sep 16, 1999, gage height, 8.36 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug 2, 1973 reached a gage height of 10.65, discharge not determined.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 1,530 ft^3/s, Sep 6 at 2015, gage height, 5.95 ft.