

Water-Data Report 2013

01403500 GREEN BROOK AT PLAINFIELD, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°36'54", long 74°25'54" referenced to North American Datum of 1983, North Plainfield Boro, Somerset County, NJ, Hydrologic Unit 02030105, on downstream left wingwall of bridge on Sycamore Avenue in Plainfield and 1.0 mi upstream from Stony Brook.

DRAINAGE AREA.--9.75 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record gaging station, water years 1938-84. Annual maximum, water years 1985 to current year.

GAGE.--Crest-stage gage. Datum of gage is 70.37 ft above NGVD of 1929.

REMARKS.--At extreme high stages, above about 5 ft, significant water leaves the basin and flows through city streets to Cedar Creek, a neighboring basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,890 ft³/s, Jul 23, 1938, gage height, 5.82 ft; maximum gage height, 6.47 ft, Sep 16, 1999, discharge, estimated at 2,590 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 632 ft³/s, Jun 7, gage height, 3.03 ft.