

01465880 SOUTHWEST BRANCH RANCOCAS CREEK AT MEDFORD, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°53'43", long 74°49'25" referenced to North American Datum of 1983, Medford Township, Burlington County, NJ, Hydrologic Unit 02040202, at upstream left wingwall of bridge on Argonne Highway (County Route 541), 0.6 mi south of intersection of Argonne Highway and State Route 70 at Medford, and 5.3 mi upstream from the mouth.

DRAINAGE AREA.--47.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-66, 1973, 1982-93, 1997, and 2002. Continuous-record gaging station, water years 2005 to 2012. Annual maximum, water years 1983-95, 2013 to current year.

GAGE.--Water-stage and precipitation recorder and crest-stage gage. Datum of gage is 18.38 ft above NGVD of 1929.

REMARKS.--Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1940, 19.7 ft, July 13, 2004 from floodmark, discharge 12,400 ft³/s, from rating curve extended above 4,200 ft³/s on basis of contracted opening and flow-over-road computation of peak flow; minimum discharge 6.88 ft³/s, August 31, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 898 ft³/s, Jul 1 at 0030, gage height 10.53 ft.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft³/s
Oct 19, 2012	28.9
Nov 13, 2012	59.1
Jan 4, 2013	66.1
Feb 14, 2013	89.8
Apr 1, 2013	69.2
May 30, 2013	36.1
Jul 16, 2013	58.7
Aug 26, 2013	46.0