

**01403010 CUCKELS BROOK AT U.S. ROUTE 22, NEAR SOMERVILLE, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°34'43", long 74°35'11" referenced to North American Datum of 1983, Bridgewater Township, Somerset County, NJ, Hydrologic Unit 02030105, on left upstream wingwall of culvert on U.S. Route 22, 0.7 mi northwest of Adamsville School, 1.5 mi northeast of Somerville, 2.7 mi upstream of mouth, and 3.0 mi west of Bound Brook.

DRAINAGE AREA.--0.32 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Water years 1999 to current year.

REVISED RECORDS.--WDR US-2007: 1999(M), 2000(M), 2001(M), 2002(M), 2003(M), 2004(M), 2005(M), 2006(M).

GAGE.--Crest-stage gage. Datum of gage is 95 ft above NAVD of 1988, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 196 ft<sup>3</sup>/s (previously not determined), Sep 16, 1999, gage height, 10.1 ft (from high-water mark).

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 170 ft<sup>3</sup>/s, Apr 15, gage height, 9.74 ft.

REVISIONS.--Peak discharge for the annual maximum for the 2005 water year has been revised and peak discharges for the 1999-2004 and 2006 water years have been determined (previously not determined) as shown in the following table. These values supersede the peak discharge published in their respective annual water data reports.

Water Year	Date	Gage Height (ft)	Discharge (ft <sup>3</sup> /s)
1999	Sep 16, 1999	10.1	196
2000	Sep 1, 2000	9.67	181
2001	Jun 1, 2001	7.94	111
2002	Jun 27, 2002	7.53	91
2003	Aug 5, 2003	7.65	97
2004	Jul 23, 2004	8.76	132
2005	Apr 2, 2005	7.00	52
2006	Oct 8, 2005	8.28	111

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

Date	Discharge, in ft <sup>3</sup> /s
Nov 8, 2006 at 1350 hrs	32.5
Nov 8, 2006 at 1415 hrs	31.8
Apr 15, 2007	56.2