



Water-Data Report 2007

01407851 BURKES CREEK AT JERSEYVILLE, NJ

MANASQUAN RIVER BASIN

LOCATION.--Lat 40°14'33", long 74°14'07" referenced to North American Datum of 1983, Howell Township, Monmouth County, NJ, Hydrologic Unit 02040301, on upstream left wingwall of bridge on State Route 33 (Park Avenue), 0.4 mi northwest of Jerseyville, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--0.23 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

REVISED RECORDS.--WDR US-2007: 2004(M), 2005(M), 2006(M) and gage height.

GAGE.--Crest-stage gage. Datum of gage is 125 ft above NAVD of 1988, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 103 ft³/s (previously not determined), Jun 25, 2006, gage height, 3.33 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 54 ft³/s, Nov 8, gage height, 2.60 ft.

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

Water Year	Date	Gage Height (ft)	Discharge (ft ³ /s)
2004	Sep 29, 2004	3.32	102
2005	Mar 29, 2005	1.73	19
2006	Jun 25, 2006	3.33	103

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

Date	Discharge, in ft ³ /s
Oct 28, 2006	2.21
Jan 8, 2007	2.73
Apr 15, 2007 at 1200 hrs	10.2
Apr 15, 2007 at 1400 hrs	20.6