



Water-Data Report 2009

01475000 MANTUA CREEK AT PITMAN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°44'13", long 75°06'48" referenced to North American Datum of 1983, Pitman Borough, Gloucester County, NJ, Hydrologic Unit 02040202, on left abutment just downstream of Wadsworth Dam on Kressey Lake, 0.9 mi east of Pitman, and 2.0 mi upstream from Porch Branch.

DRAINAGE AREA.--6.05 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record gaging station, April 1940 to September 1976, May 2003 to September 2006. Annual maximum, October 1976 to September 1994, October 2006 to September 2009 (discontinued).

REVISED RECORDS.--WDR NJ-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 57.11 ft above NAVD of 1988. Prior to September 1976, water-stage recorder above Wadsworth Dam at datum 10.00 ft higher. From October 1976 to September 1994, crest-stage gage at datum 10.00 ft higher. Since May 2003, water-stage recorder below Wadsworth Dam at current datum.

REMARKS.--Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s (peak flow over dam and earthen dike computations, peak was assumed to have occurred before the earthen dike broke), Sep 1, 1940, gage height, 6.64 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Discharge 170 ft³/s, Dec 12 at 0315, gage height 4.21 ft.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft³/s
Oct 29, 2008	13.7
Feb 12, 2009	10.1
Mar 31, 2009	7.61
May 27, 2009	9.77
Jul 10, 2009	5.19
Aug 24, 2009	19.2