



Water-Data Report 2010

01412398 CLARKS BRANCH AT BEALS MILL, NJ

COHANSEY RIVER BASIN

LOCATION.--Lat 39°31'54.8", long 75°15'32.6" referenced to North American Datum of 1983, Deerfield Township, Cumberland County, NJ, Hydrologic Unit 02040206, on upstream left bank of concrete facing of culvert on Cedar (Canhouse) Road, 0.5 mi east of Bostwick Lake, 0.7 mi northeast of Beals Mill, and 1.4 mi northwest of intersection of State Route 77 and County Route 540 in Deerfield.

DRAINAGE AREA.--0.56 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 2005-2010 (discontinued).

REVISED RECORDS.--WDR US-2010: 2005(M), 2006(M), 2007(M), 2008(M), 2009(M).

GAGE.--Crest-stage gage. Datum of gage is 85 ft above NAVD of 1988, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46 ft³/s, Sep 11, 2009, gage height, 6.07 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 80 ft³/s (estimated), Oct 1, 2010, gage height, 8.02 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 39 ft³/s, Dec 9, gage height, 5.56 ft.

REVISIONS.--Peak discharges for the annual maximum for the 2005-2009 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, in ft	Discharge, in ft ³ /s
2005	Apr 2, 2005	5.56	39
2006	Oct 8, 2005	4.57	26
2007	Apr 15, 2007	5.12	33
2008	Oct 27, 2007	3.80	17
2009	Sep 11, 2009	6.07	46

DISCHARGE MEASUREMENTS WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Date	Discharge, in ft ³ /s
Mar 14, 2010	9.16