



Water-Data Report 2011

01585090 WHITEMARSH RUN NEAR FULLERTON, MD

Upper Chesapeake Basin
Gunpowder-Patapsco Subbasin

LOCATION.--Lat 39°22'46.5", long 76°29'44.9" referenced to North American Datum of 1983, Baltimore County, MD, Hydrologic Unit 02060003, on right bank 200 ft downstream of Route 43 bridge, 1.0 mi west of White Marsh. and 5.0 mi upstream from mouth.

DRAINAGE AREA.--2.73 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1995 to current year.

REVISED RECORDS.--WDR-US-2008: 1995-2007.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 125 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except those above 250 ft³/s and those for estimated daily discharges (backwater, ice effect), which are poor. U.S. Geological Survey gage-height telemeter at station. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 750 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 19	1750	882	5.23
Sep 7	1315	868	5.20
Sep 8	0025	947	5.37
Sep 23	1455	*1,530	*6.44

Minimum discharge, 0.01 ft³/s, July 31, Aug. 1.

01585090 WHITEMARSH RUN NEAR FULLERTON, MD—Continued**SUMMARY STATISTICS**

	Calendar Year 2010		Water Year 2011		Water Years 1995 - 2011	
Annual total	1,638.95		2,070.51			
Annual mean	4.49		5.67		4.73	
Highest annual mean					8.28	2003
Lowest annual mean					2.63	2002
Highest daily mean	293	Sep 30	171	Sep 23	293	Sep 30, 2010
Lowest daily mean	0.02	Sep 9	0.03	Jul 31	0.00	Aug 11, 2002 ^a
Annual seven-day minimum	0.11	Sep 5	0.23	Jul 27	0.00	Aug 11, 2002
Maximum peak flow			1,530	Sep 23	^b 1,630	Jun 13, 2003
Maximum peak stage				6.44	Sep 23	6.60 Jun 13, 2003
Instantaneous low flow				0.01	Jul 31 ^c	0.00 Aug 26, 1995 ^d
Annual runoff (cfsm)	1.64		2.08			1.73
Annual runoff (inches)	22.33		28.21			23.53
10 percent exceeds	9.2		11			10
50 percent exceeds	1.3		1.4			1.5
90 percent exceeds	0.39		0.46			0.37

^a Aug. 11-23, 2002, Sept. 9, 25, 26, 2007.^b From rating curve extended above 120 ft³/s on basis of slope-area measurement at gage height of 5.6 ft.^c July 31, Aug. 1.^d No flow at times in 1995, 2002, 2007.