



Water-Data Report 2008

01490110 LITTLE BLACKWATER TRIBUTARY AT STONE BOUNDRY ROAD NEAR CAMBRIDGE, MD

Upper Chesapeake Basin
Blackwater-Wicomico Subbasin

LOCATION.--Lat 38°32'05.6", long 76°03'54.4" referenced to North American Datum of 1983, Dorchester County, MD, Hydrologic Unit 02060007, at Stone Boundry Road, 1.1 mi upstream of confluence with Little Blackwater River, and 2.4 mi southeast of Cambridge.

DRAINAGE AREA.--0.1998 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2006 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 4

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, μS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)
Oct 29...	1330	Surface water, regular	.08	769	6.8	6.5	6.9	129	130
Jun 10...	0710	Surface water, regular	--	759	1.8	6.5	7.0	352	353

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 4

[Remark codes: <, less than; E, estimated.]

Date	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Alka- linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alka- linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt infl pt titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)
Oct 29...	14.0	14.0	8.34	2.79	3.89	10.2	18	--	14	17	E.01	12.5	E.08
Jun 10...	31.0	24.0	25.0	8.61	3.80	30.0	90	93	--	--	--	34.2	.25

01490110 LITTLE BLACKWATER TRIBUTARY AT STONE BOUNDRY ROAD NEAR CAMBRIDGE, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 4

[Remark codes: <, less than; E, estimated.]

Date	Silica, water, flt'd, mg/L as SiO2 (00955)	Sulfate water, flt'd, mg/L (00945)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unflt'd mg/L as N (00625)		Nitrate + nitrite water, flt'd, mg/L as N (00631)		Total nitro- gen, wat unf ysis, mg/L (62855)	Ortho- phos- phate, water, flt'd, mg/L as P (00671)	Phos- phorus, water, unflt'd mg/L as P (00665)	Organic carbon, water, flt'd, mg/L (00681)	Organic carbon, water, unflt'd mg/L (00680)	Iron, water, flt'd, µg/L (01046)
				Ammonia water, flt'd, mg/L as N (00608)	Nitrite water, flt'd, mg/L as N (00613)								
Oct 29...	4.8	21.6	<20	.75	E.017	E.02	.003	.80	.061	.166	11.3	9.2	407
Jun 10...	17.8	24.1	24	1.8	.301	E.03	.006	1.69	.230	.59	22.0	23.7	2,860

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008

Part 4 of 4

[Remark codes: <, less than; E, estimated.]

Date	Mangan- ese, water, flt'd, µg/L (01056)	Sampl- er type, code (84164)	Sam- pling method, code (82398)
Jun 10...	587	8010	70