

Water-Data Report 2011

01616400 MILL CREEK AT BUNKER HILL, WV

Potomac Basin
Conococheague-Opequon Subbasin

LOCATION.--Lat 39°20'04.65", long 78°03'12.37" referenced to North American Datum of 1983, Berkeley County, WV, Hydrologic Unit 02070004, on the right bank on the downstream side of US Rt. 11 bridge, 0.4 miles downstream from LeFevre Spring, 10 miles southwest of Martinsburg, and 4.6 miles upstream from the mouth.

DRAINAGE AREA.--18.4 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to September 2011.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 2

[%, percent; N, nitrogen; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Sample type	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Suspended solids, water, unfiltered, mg/L (00530)	Ammonia, water, filtered, mg/L as N (00608)
07-13-2011	1520	Regular	744	9.1	102	7.9	603	19.9	< 15	0.030
08-10-2011	1130	Regular	741	9.8	111	8.0	600	20.1	< 15	.012
09-08-2011	1500	Regular	746	9.1	97	8.0	432	17.7	20	.018
09-13-2011	1640	Regular	746	9.8	108	8.2	534	19.1	< 15	.011

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 2

[%, percent; N, nitrogen; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Suspended sediment concentration, mg/L (80154)
07-13-2011	1520	2.70	2.69	0.011	0.013	0.024	2.86	9
08-10-2011	1130	2.67	2.66	.005	.012	.019	2.81	7
09-08-2011	1500	2.03	2.03	.004	.015	.052	2.53	24
09-13-2011	1640	2.26	2.26	.003	.012	.024	2.53	13