

03077925 NORTH BRANCH CASSELMAN RIVER NEAR GRANTSVILLE, MD

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 39°40'08", long 79°10'43" referenced to North American Datum of 1927, Garrett County, MD, Hydrologic Unit 05020006, 75 ft upstream from mouth, along Fire Clay Road, 2.5 miles south of Grantsville.

DRAINAGE AREA.--24.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1975 to November 1979, July 2009 to current year, operated as a low-flow partial-record station.

REMARKS.--Casselman River Basin study.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft³/s
Oct 13, 2010	1.92
Nov 9, 2010	5.34
Jul 25, 2011	2.31

03077925 NORTH BRANCH CASSELMAN RIVER NEAR GRANTSVILLE, MD—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2010 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 2

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)
10-13-2010	0900	Surface water	Regular	705	11.5	1.9	10.5	97	7.2
11-09-2010	0945	Surface water	Regular	705	8.2	5.3	12.3	99	7.1
07-25-2011	0845	Surface water	Regular	704	23.2	2.3	7.3	90	7.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 2

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Date	Sample start time	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)
10-13-2010	0900	226	8.6	1.0
11-09-2010	0945	189	3.2	1.0
07-25-2011	0845	202	21.6	2.0