



Water-Data Report 2011

03082144 TROUT RUN NEAR SEVEN SPRINGS, PA

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 40°02'13", long 79°19'53" referenced to North American Datum of 1983, Fayette County, PA, Hydrologic Unit 05020006.

DRAINAGE AREA.--2.2 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2010 to October 2010.

REMARKS.--Samples collected as part of the Back Creek Watershed Assessment Project.

COOPERATION.--Station established by the U.S. Geological Survey in cooperation with the Somerset County Conservation District.

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

Part 1 of 3

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	ANC, water, unfiltered, fixed endpoint titration, (pH 4.5) field, mg/L as CaCO ₃ (00410)	Acidity, water, unfiltered, heated, milligrams per liter as calcium carbonate (70508)
10-14-2010	0900	.63	9.2	7.0	188	11.0	16.9	1.90	30	-26

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

Part 2 of 3

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)
10-14-2010	0900	.013	29.6	8.23	< .010	.38	.002	< .01	< .01

03082144 TROUT RUN NEAR SEVEN SPRINGS, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

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Date	Sample start time	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)	Iron, water, filtered, µg/L (01046)	Manganese, water, filtered, µg/L (01056)	Strontium, water, filtered, µg/L (01080)
10-14-2010	0900	.47	2.3	43.0	6.3	4.27	36.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 3

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05-27-2010	0950	4.0	9.2	6.9	155	12.9	12.8	1.35	21	-18

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

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05-27-2010	0950	E .017	24.2	9.92	E .015	.54	.005	< .02	E .01

03082144 TROUT RUN NEAR SEVEN SPRINGS, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 3

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05-27-2010	0950	.60	7.2	31.0	11.3	4.16	26.1