03082149 BACK CREEK NEAR NEBO, PA

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 40°02′19″, long 79°21′09″ referenced to North American Datum of 1983, Fayette County, PA, Hydrologic Unit 05020006.

DRAINAGE AREA.--6.31 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; $CaCO_3$, 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, instanta-neous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conduc-tance, water, unfiltered, µS/cm at 25 °C (00095)	Tempera-ture, water, °C (00010)	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, field, mg/L as $CaCO_3$ (00410)	Acidity, water, unfiltered, heated, milligrams per liter as calcium carbonate (70508)
10-13-2010	**1230**	1.7	11.2	7.4	181	10.6	18.0	2.03	33	-30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[ANC, acid neutralizing capacity; $CaCO_3$, 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)	Phos-phorus, water, filtered, mg/L as P (00666)	Phos-phorus, water, unfiltered, mg/L as P (00665)
10-13-2010	**1230**	.011	26.0	9.05	< .010	.55	.001	< .01	< .01

03082149 BACK CREEK NEAR NEBO, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft^3/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	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)
10-13-2010	**1230**	.61	2.6	37.4	< 3.2	2.32	38.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 3

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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 (pH 4.5) titration, field, mg/L as $CaCO_3$ (00410)	Acidity, water, unfiltered, heated, milligrams per liter as calcium carbonate (70508)
05-26-2010	**1250**	23	10.2	7.3	115	13.0	10.9	1.30	18	-19

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

[ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft^3/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; E, estimated]

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)
05-26-2010	**1250**	E .015	15.0	9.91	< .020	.51	< .002	< .02	< .02

03082149 BACK CREEK NEAR NEBO, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 3

[ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft^3/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; E, estimated]

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)	Manga-nese, water, filtered, µg/L (01056)	Strontium, water, filtered, µg/L (01080)
05-26-2010	**1250**	.63	8.8	27.9	E 5.8	.92	23.9