



Water-Data Report 2011

400200079214001 Local number FA 328

Pennsylvanian aquifers
Allegheny Group

Fayette County, PA

LOCATION.--Lat 40°02'11", long 79°22'39" referenced to North American Datum of 1983, Fayette County, PA, Hydrologic Unit 05020006.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2010 to November 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; ft, feet; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Depth to water level, ft below land surface (72019)	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)
11-09-2010	1115	40.15	1.5	6.9	333	11.9	53.2	8.79	96	-92

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

Part 2 of 3

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; ft, feet; 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)	Barium, water, filtered, µg/L (01005)	Iron, water, filtered, µg/L (01046)	Manganese, water, filtered, µg/L (01056)
11-09-2010	1115	.021	3.95	64.6	.078	.17	< .001	74.1	449	97.4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

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Date	Sample start time	Mercury, water, unfiltered, recoverable, μg/L (71900)	Strontium, water, filtered, μg/L (01080)	Arsenic, water, filtered, μg/L (01000)
11-09-2010	1115	< .005	168	.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 3

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Date	Sample start time	Depth to water level, ft below land surface (72019)	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)	Oxidation reduction potential, reference electrode not specified, millivolts (00090)	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)
06-18-2010	1130	39.90	5.0	6.9	330	12.2	252	54.1	8.62	106

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

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Date	Sample start time	Acidity, water, unfiltered, heated, milligrams per liter as calcium carbonate (70508)	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)	Barium, water, filtered, μg/L (01005)	Iron, water, filtered, μg/L (01046)
06-18-2010	1130	-102	.021	2.05	< .18	.196	.05	.008	81.9	211

400200079214001 Local number FA 328—Continued

WATER-QUALITY DATA**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 3

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Date	Sample start time	Manga- nese, water, filtered, μg/L (01056)	Strontium, water, filtered, μg/L (01080)	Arsenic, water, filtered, μg/L (01000)
06-18-2010	1130	191	164	.15