



Water-Data Report 2013

**01547400 BALD EAGLE CREEK NEAR MILESBERG, PA**

West Branch Susquehanna Basin  
Bald Eagle Subbasin

LOCATION.--Lat 40°58'31", long 77°44'35" referenced to North American Datum of 1927, Centre County, PA, Hydrologic Unit 02050204.

DRAINAGE AREA.--296 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--April 2002 to current year.

COOPERATION.--Water-quality samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection. Occasionally, values for filtered parameters may exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods.

REMARKS.--Analyses for pH, water temperature, specific conductance, and dissolved oxygen were performed on site. All other sample analyses were performed at the Pennsylvania Department of Environmental Protection laboratory in Harrisburg, Pa. Some values for filtered parameters exceeded values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 4

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/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; M, presence verified but not quantified]

Date	Sample start time	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Osmotic pressure, water, unfiltered, milliosmoles per kilogram (82550)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, μS/cm at 25°C (90095)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)
11-08-2012	1330	287	13.5	4.0	8.8	8.3	487	486	7.9	294
01-10-2013	1230	284	16.1	6.0	8.8	8.4	442	432	4.7	250
03-04-2013	1230	402	16.1	7.0	8.3	8.3	435	426	3.8	242
05-28-2013	1410	296	10.9	8.0	8.2	8.4	439	448	13.6	272
07-17-2013	0945	335	9.8	9.0	8.0	8.4	474	481	18.1	298
09-18-2013	0730	172	10.3	9.0	8.2	8.3	565	527	11.2	334

## 01547400 BALD EAGLE CREEK NEAR MILESBERG, PA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 4

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/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; M, presence verified but not quantified]

Date	Sample start time	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO <sub>3</sub> (00417)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Sulfate, water, filtered, mg/L (00945)
11-08-2012	1330	200	< 5	50.4	18.1	18.6	163	M	36.1	30.4
01-10-2013	1230	180	< 5	45.1	16.7	19.8	143	M	31.8	26.3
03-04-2013	1230	160	< 5	41.8	14.4	21.7	124	< 0.025	44.9	26.1
05-28-2013	1410	180	< 5	43.1	17.0	19.6	152	< 0.025	36.8	21.2
07-17-2013	0945	190	< 5	47.1	17.3	20.6	167	< 0.025	39.8	22.8
09-18-2013	0730	230	< 5	53.2	22.8	22.3	192	M	28.3	29.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 3 of 4

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/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; M, presence verified but not quantified]

Date	Sample start time	Ammonia, water, unfiltered, mg/L as N (00610)	Nitrate, water, unfiltered, mg/L as N (00620)	Nitrite, water, unfiltered, mg/L as N (00615)	Orthophosphate, water, unfiltered, mg/L as P (70507)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, mg/L (00600)	Aluminum, water, unfiltered, recoverable, µg/L (01105)	Barium, water, unfiltered, recoverable, µg/L (01007)	Copper, water, unfiltered, recoverable, µg/L (01042)
11-08-2012	1330	< .020	2.77	< .040	0.02	0.020	2.8	< 200	M	< 4
01-10-2013	1230	< .020	2.57	< .040	.01	.014	2.7	< 200	M	< 4
03-04-2013	1230	< .020	2.02	< .040	.01	.013	2.1	< 200	M	< 4
05-28-2013	1410	< .020	2.06	< .040	< .01	.021	2.2	< 200	M	< 4
07-17-2013	0945	< .020	2.25	< .040	.01	.020	2.4	< 200	M	< 4
09-18-2013	0730	< .020	3.38	< .040	.01	< .010	3.4	< 200	M	< 4

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 4 of 4

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/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; M, presence verified but not quantified]

Date	Sample start time	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Strontium, water, unfiltered, recoverable, micrograms per liter (01082)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Boron, water, unfiltered, recoverable, micrograms per liter (01022)	Selenium, water, unfiltered, µg/L (01147)
11-08-2012	1330	80	< 1.0	< 10	< 50	380	< 10	< 200	< 7
01-10-2013	1230	50	< 1.0	< 10	< 50	320	10	< 200	< 7
03-04-2013	1230	60	< 1.0	< 10	< 50	330	< 10	< 200	< 7
05-28-2013	1410	140	< 1.0	10	< 50	320	< 10	< 200	< 7
07-17-2013	0945	180	< 1.0	10	< 50	300	< 10	< 200	< 7
09-18-2013	0730	60	< 1.0	< 10	< 50	380	< 10	< 200	< 7