



Water-Data Report 2013

01553005 MUNCY CREEK NEAR MUNCY, PA

West Branch Susquehanna Basin
Lower West Branch Susquehanna Subbasin

LOCATION.--Lat 41°12'27", long 76°45'09" referenced to North American Datum of 1927, Lycoming County, PA, Hydrologic Unit 02050206, 1,900 ft downstream from Little Muncy Creek, 2,300 ft upstream from bridge on State Highway 405, and 2.2 mi east of Muncy.

DRAINAGE AREA.--209 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1989 to current year.

REVISED RECORDS.--WDR-US-2006: 1996, 1997, 1998, 1999 (P).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 490.00 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Pennsylvania Department of Environmental Protection.

EXTREMES FOR PERIOD OF RECORD.--Discharge, 46,600 ft³/s, Sep 7, 2011, gage height, 23.19 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Dec 21, 2012	6,410	---	13.68	---

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WATER-QUALITY RECORDS

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

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. Occasionally, values for filtered parameters may exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods.

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.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 5

[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; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Osmotic pressure, water, unfiltered, milliosmoles per kilogram (82550)	pH, water, field, standard units (00400)	pH, water, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Biochemical oxygen demand, water, unfiltered, 5 days at 20°C, mg/L (00310)
11-14-2012	1345	227	12.6	< 1.0	7.5	7.6	92	94	8.3	1.5
01-09-2013	1415	164	13.6	2.0	7.4	7.5	96	97	1.4	1.7
03-19-2013	1215	379	12.9	3.0	7.5	7.4	89	87	2.6	.7
05-22-2013	1145	145	9.7	4.0	7.3	7.7	101	100	19.4	.9
07-09-2013	0830	211	7.9	4.0	7.0	7.7	97	92	20.4	.6
09-04-2013	1015	29	8.1	4.0	7.0	7.5	134	135	20.6	1.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 5

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Date	Sample start time	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Hardness, water, mg/L as CaCO ₃ (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, filtered, mg/L (00915)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, filtered, mg/L (00925)	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 ₃ (00417)
11-14-2012	1345	68	32	< 5	10.0	9.8	1.70	1.8	3.2	27
01-09-2013	1415	74	33	< 5	10.4	10.0	1.81	1.9	3.7	24
03-19-2013	1215	50	28	< 5	8.59	8.7	1.58	1.6	4.1	16
05-22-2013	1145	62	35	< 5	10.3	10.5	2.05	2.0	3.7	30
07-09-2013	0830	80	32	< 5	9.87	10.2	1.56	1.7	4.1	28
09-04-2013	1015	80	49	< 5	15.4	--	2.48	--	--	43

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 5

[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; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Sulfate, water, filtered, mg/L (00945)	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)
11-14-2012	1345	< 0.025	5.0	8.1	< .020	0.82	< .040	0.02	0.020	0.97
01-09-2013	1415	< 0.025	5.5	8.9	< .020	1.21	< .040	.02	.017	1.2
03-19-2013	1215	< 0.025	7.0	8.5	< .020	1.06	< .040	.01	.012	1.1
05-22-2013	1145	< 0.025	5.6	8.4	< .020	.71	< .040	.01	.019	.80
07-09-2013	0830	< 0.025	4.5	6.7	< .020	.65	< .040	.01	.019	.80
09-04-2013	1015	< 0.025	7.3	8.5	.030	.70	< .040	.02	.027	.80

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 5

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Date	Sample start time	Aluminum, water, filtered, µg/L (01106)	Aluminum, water, unfiltered, recoverable, µg/L (01105)	Barium, water, unfiltered, recoverable, µg/L (01007)	Copper, water, filtered, µg/L (01040)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, filtered, µg/L (01049)	Lead, water, unfiltered, recoverable, µg/L (01051)
11-14-2012	1345	< 10	M	M	< 4	< 4	< 20	70	< 1.0	< 1.0
01-09-2013	1415	< 10	M	M	< 4	< 4	< 20	50	< 1.0	< 1.0
03-19-2013	1215	< 10	M	M	< 4	< 4	< 20	60	< 1.0	< 1.0
05-22-2013	1145	< 10	M	M	< 4	< 4	20	70	< 1.0	< 1.0
07-09-2013	0830	< 10	M	M	< 4	< 4	30	190	< 1.0	< 1.0
09-04-2013	1015	42	--	--	< 4	--	< 20	--	< 1.0	--

01553005 MUNCY CREEK NEAR MUNCY, PA—Continued

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WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 5 of 5

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Date	Sample start time	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Nickel, water, filtered, µg/L (01065)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Strontium, water, unfiltered, recoverable, micrograms per liter (01082)	Zinc, water, filtered, µg/L (01090)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Boron, water, unfiltered, recoverable, micrograms per liter (01022)	Selenium, water, unfiltered, µg/L (01147)
11-14-2012	1345	M	M	< 4.0	< 4.0	40	10	30	< 200	< 7
01-09-2013	1415	M	M	< 4.0	< 4.0	40	< 5.0	< 5.0	< 200	< 7
03-19-2013	1215	M	M	< 4.0	< 4.0	40	< 5.0	< 5.0	< 200	< 7
05-22-2013	1145	10	20	< 4.0	< 4.0	50	M	10	< 200	< 7
07-09-2013	0830	10	20	< 4.0	< 4.0	50	< 5.0	M	< 200	< 7
09-04-2013	1015	50	--	< 4.0	--	--	< 5.0	--	--	--