

Water-Data Report 2013

01538600 NESCOPECK CREEK AT NESCOPECK, PA

Upper Susquehanna Basin
Upper Susquehanna-Lackawanna Subbasin

LOCATION.--Lat 41°02'49", long 76°13'17" referenced to North American Datum of 1927, Luzerne County, PA, Hydrologic Unit 02050107, at bridge on State Highway 339, just downstream from railroad bridge at Nescopeck.

DRAINAGE AREA.--171 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1949-50, 1982-87, 1989-91, 1995 to current year.

GAGE.--Non-recording gage. Datum of gage is 490 ft above National Geodetic Vertical Datum of 1929, from topographic map.

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

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Date	Discharge, in ft³/s
Oct 3, 2012	134
Nov 26, 2012	185
Jan 17, 2013	346
Mar 11, 2013	230
May 3, 2013	200
Jun 11, 2013	293
Aug 9, 2013	382

01538600 NESCOPECK CREEK AT NESCOPECK, PA—Continued

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.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 4

[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; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	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)	Hardness, water, mg/L as CaCO ₃ (00900)
11-06-2012	1200	E 185	13.8	6.8	6.2	323	316	6.6	202	110
01-28-2013	1500	E 313	14.5	6.7	6.3	305	312	.0	188	87
03-21-2013	1030	389	12.8	6.5	6.5	345	344	3.7	210	80
05-21-2013	1430	129	10.2	6.8	6.8	323	329	19.6	222	100
07-24-2013	1000	88	9.0	6.5	6.8	439	440	20.3	342	140
09-18-2013	0930	44	10.9	6.7	6.6	563	533	12.5	416	200

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 4

[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; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (00417)	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)
11-06-2012	1200	34	14.6	17.4	2	--	20.8	105	0.030	0.84
01-28-2013	1500	36	12.1	13.7	3	--	30.2	86.5	.050	.88
03-21-2013	1030	10	12.3	12.0	3	--	48.3	70.2	.020	.70
05-21-2013	1430	< 5	14.8	16.5	3	M	30.7	93.3	< .020	.64
07-24-2013	1000	< 5	17.9	24.0	2	M	36.0	146	< .020	.68
09-18-2013	0930	6	25.1	32.7	3	M	35.3	191	< .020	.74

01538600 NESCOPECK CREEK AT NESCOPECK, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 4

[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; E, estimated; M, presence verified but not quantified]

Date	Sample start time	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)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)	Manganese, water, unfiltered, recoverable, µg/L (01055)
11-06-2012	1200	< .040	< .01	0.032	0.93	1,700	10	2,980	M	970
01-28-2013	1500	< .040	< .01	.052	1.1	2,600	M	1,340	M	810
03-21-2013	1030	< .040	< .01	.018	.83	1,000	M	480	< 1.0	590
05-21-2013	1430	< .040	< .01	.013	.73	200	M	100	< 1.0	750
07-24-2013	1000	< .040	< .01	< .010	.67	< 200	M	50	< 1.0	1,270
09-18-2013	0930	< .040	< .01	.042	.81	800	M	280	< 1.0	1,760

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 4

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Date	Sample start time	Nickel, water, unfiltered, recoverable, µg/L (01067)	Zinc, water, unfiltered, recoverable, µg/L (01092)
11-06-2012	1200	< 50	150
01-28-2013	1500	< 50	140
03-21-2013	1030	< 50	110
05-21-2013	1430	< 50	100
07-24-2013	1000	M	190
09-18-2013	0930	M	270