



Water-Data Report 2013

**04220350 Genesee River US Cryder Creek at Genesee, PA**

Southwestern Lake Ontario Basin  
Upper Genesee Subbasin

LOCATION.--Lat 41°59'39", long 77°52'14" referenced to North American Datum of 1927, Potter County, PA, Hydrologic Unit 04130002.

DRAINAGE AREA.--84.6 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--October 2007 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.

From 2002 to 2006, water-quality was sampled at Genessee River at Wellsville, NY (04221000).

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

Date	Sample start time	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, unfiltered, water, 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, laboratory, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)
11-28-2012	0945	35	14.0	1.0	7.5	7.6	122	122	1.4	82
01-17-2013	1000	326	10.9	2.0	--	7.3	89	91	4.2	62
03-18-2013	1030	168	14.0	2.0	7.9	7.1	93	90	1.1	68
05-06-2013	1215	72	11.3	4.0	7.6	7.8	99	99	11.8	72
07-23-2013	0830	207	8.3	--	7.4	7.6	109	110	18.4	90
09-11-2013	1030	17	10.2	3.0	7.5	7.8	143	147	18.6	80

## 04220350 Genesee River US Cryder Creek at Genesee, 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; --, no data; <, 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)
11-28-2012	0945	43	< 5	11.1	3.7	5.1	32	< 0.025	7.7	9.1
01-17-2013	1000	28	< 5	7.3	2.3	3.0	15	< 0.025	5.1	8.7
03-18-2013	1030	28	16	7.4	2.4	3.4	18	< 0.025	6.1	8.7
05-06-2013	1215	34	< 5	8.4	3.0	3.6	28	< 0.025	5.7	8.6
07-23-2013	0830	34	60	8.8	2.9	5.5	32	M	10.1	5.5
09-11-2013	1030	51	< 5	13.1	4.5	7.2	41	< 0.025	9.9	8.0

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

Part 3 of 4

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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)
11-28-2012	0945	< .020	1.16	< .040	< .01	0.011	1.2	< 200	M	< 4
01-17-2013	1000	< .020	1.72	< .040	.02	.024	1.9	< 200	M	< 4
03-18-2013	1030	< .020	1.46	< .040	.01	.015	1.6	< 200	M	< 4
05-06-2013	1215	< .020	.87	< .040	.01	.020	.99	< 200	M	< 4
07-23-2013	0830	.040	.57	< .040	.04	.173	1.4	1,400	M	M
09-11-2013	1030	< .020	.68	< .040	.02	.028	.79	< 200	M	< 4

## 04220350 Genesee River US Cryder Creek at Genesee, PA—Continued

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

Part 4 of 4

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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)
11-28-2012	0945	120	< 1.0	20	< 50	40	< 10	< 200	< 7
01-17-2013	1000	180	< 1.0	20	< 50	20	< 10	< 200	< 7
03-18-2013	1030	100	< 1.0	10	< 50	20	< 10	< 200	< 7
05-06-2013	1215	220	< 1.0	30	< 50	30	< 10	< 200	< 7
07-23-2013	0830	3,000	M	210	< 50	40	20	< 200	< 7
09-11-2013	1030	190	< 1.0	30	< 50	60	< 10	< 200	< 7