

Water-Data Report 2013

**01531375 Sugar Creek near Burlington, PA**

Upper Susquehanna Basin  
Upper Susquehanna-Tunkhannock Subbasin

LOCATION.--Lat 41°46'03", long 76°38'04" referenced to North American Datum of 1983, Bradford County, PA, Hydrologic Unit 02050106.

DRAINAGE AREA.--100 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--August 2013.

REMARKS.--A water-quality grab sample was collected from Sugar Creek at the location where stream water was withdrawn by the well driller for drilling test hole BR 891 nearby. 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.--The water-quality sample was collected in cooperation with the Pennsylvania Department of Environmental Protection, Bureau of Topographic and Geologic Survey.

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

Part 1 of 4

[CaCO<sub>3</sub>, calcium carbonate; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; E, estimated; U, analyzed for but not detected]

Sample date-time	Temperature, air, °C (00020)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conduc-	Specific conduc-	Temperature, water, °C (00010)	Dissolved solids	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
				tance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	tance, water, unfiltered, laboratory, µS/cm at 25°C (00095)		dried at 180°C, water, filtered, mg/L (70300)		
08-14-2013 1050	19.0	7.7	7.9	302	298	19.0	167	34.1	5.90

## 01531375 Sugar Creek near Burlington, PA—Continued

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

Part 2 of 4

[CaCO<sub>3</sub>, calcium carbonate; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; E, estimated; U, analyzed for but not detected]

Sample date-time	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	Sulfate, water, filtered, mg/L (00945)
08-14-2013 1050	3.68	14.4	95.5	115	0.048	0.0	24.7	U	11.0

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

Part 3 of 4

[CaCO<sub>3</sub>, calcium carbonate; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; E, estimated; U, analyzed for but not detected]

Sample date-time	Barium, water, filtered, µg/L (01005)	Iron, water, filtered, µg/L (01046)	Lithium, water, filtered, µg/L (01130)	Manga-nese, water, filtered, µg/L (01056)	Molyb-denum, water, filtered, µg/L (01060)	Strontium, water, filtered, µg/L (01080)	Zinc, water, filtered, µg/L (01090)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)
	08-14-2013 1050	69.7	19.0	E 1.13	87.6	0.320	109	1.8	1.7

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

Part 4 of 4

[CaCO<sub>3</sub>, calcium carbonate; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; E, estimated; U, analyzed for but not detected]

Sample date-time	Selenium, water, filtered, µg/L (01145)	Uranium (natural), water, filtered, µg/L (22703)
	08-14-2013 1050	0.08