

**01477070 RACCOON CREEK AT WRIGHTS MILL, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°41'10", long 75°11'04" referenced to North American Datum of 1983, Elk Township, Gloucester County, NJ, Hydrologic Unit 02040202, at bridge on County Route 641 (Ferrell Road), just downstream of dam on Gilman Lake, 0.4 mi west of Wrights Mill, and 1.1 mi northeast of Ferrell.

DRAINAGE AREA.--4.23 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 2011-12.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

| <b>Date</b>  | <b>Discharge,<br/>in ft<sup>3</sup>/s</b> |
|--------------|---|
| Nov 22, 2011 | 10.9                                      |
| Feb 13, 2012 | 10.2                                      |
| May 15, 2012 | 6.53                                      |
| Aug 27, 2012 | 2.67                                      |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2011, 2012.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

REMARKS.--Cooperative Network Site Descriptor: HUC14, NJ Department of Environmental Protection Watershed Management Area 18.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 1 of 6

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Barometric pressure, mm Hg (00025) | Temperature, air, °C (00020) | Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per cm (50624) | Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per cm (61726) | Discharge, instantaneous, ft <sup>3</sup> /s (00061) | Dissolved oxygen, water, unfiltered, mg/L (00300) | Dissolved oxygen, water, unfiltered, % saturation (00301) | pH, water, unfiltered, field, standard units (00400) |
|------------|-------------------|------------------------------------|------------------------------|---|---|--|---|---|--|
| 11-22-2011 | 1000              | 768                                | 12.0                         | 0.170   | 0.132   | 11   | 9.5   | 86  | 6.9  |
| 02-13-2012 | 1000              | 763                                | 1.5                          | .084  | .065  | 10   | 12.2  | 90  | 7.5  |
| 05-15-2012 | 1000              | 760                                | 18.0                         | .171  | .135  | 6.5  | 6.9   | 76  | 7.0  |
| 08-27-2012 | 0845              | 763                                | 25.0                         | .109  | .084  | 2.7  | 6.0   | 72  | 7.4  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Specific conductance, water, unfiltered, μS/cm at 25°C (00095) | Temperature, water, °C (00010) | Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676) | Dissolved solids dried at 180°C, water, filtered, mg/L (70300) | Dissolved solids, water, filtered, sum of constituents, mg/L (70301) | Hardness, water, mg/L as CaCO <sub>3</sub> (00900) | Suspended solids, water, unfiltered, mg/L (00530) | Calcium, water, filtered, mg/L (00915) |
|------------|-------------------|--|--------------------------------|--|--|--|--|---|--|
| 11-22-2011 | 1000              | 189  | 10.8                           | 4.3  | 120  | 104  | 58.1   | 6.0   | 16.0                                   |
| 02-13-2012 | 1000              | 190  | 2.3                            | 3.5  | 104  | 107  | 55.8   | 2.0   | 14.5                                   |
| 05-15-2012 | 1000              | 179  | 19.2                           | 5.1  | 115  | 102  | 57.4   | < 1.0   | 15.6                                   |
| 08-27-2012 | 0845              | 170  | 24.2                           | 1.1  | 113  | 94   | 55.4   | < 1.0   | 14.5                                   |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 3 of 6

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Magnesium, water, filtered, mg/L (00925) | Potassium, water, filtered, mg/L (00935) | Sodium, water, filtered, mg/L (00930) | ANC, water, unfiltered, fixed endpoint titration, laboratory, mg/L as CaCO <sub>3</sub> (90410) | Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694) | Chloride, water, filtered, mg/L (00940) | Fluoride, water, filtered, mg/L (00950) | Inorganic carbon, suspended sediment, total, mg/L (00688) | Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955) |
|------------|-------------------|--|--|---------------------------------------|---|--|---|---|---|---|
| 11-22-2011 | 1000              | 4.43                                     | 3.63                                     | 9.01                                  | 21.2  | 0.38   | 19.9                                    | 0.07                                    | < .03   | 7.48  |
| 02-13-2012 | 1000              | 4.74                                     | 3.55                                     | 10.8                                  | 14.0  | .37  | 21.5                                    | .07                                     | < .03   | 6.21  |
| 05-15-2012 | 1000              | 4.50                                     | 3.63                                     | 10.0                                  | 22.2  | .71  | 19.4                                    | .09                                     | < .03   | 5.97  |
| 08-27-2012 | 0845              | 4.64                                     | 4.02                                     | 8.49                                  | 25.0  | .22  | 18.0                                    | .07                                     | < .03   | 4.53  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 4 of 6

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Sulfate, water, filtered, mg/L (00945) | Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623) | Ammonia, water, filtered, mg/L as N (00608) | Nitrate plus nitrite, water, filtered, mg/L as N (00631) | Particulate nitrogen, suspended in water, mg/L (49570) | Phosphorus, water, filtered, mg/L as P (00666) | Phosphorus, water, unfiltered, mg/L as P (00665) | Total nitrogen, water, filtered, mg/L (00602) | Total nitrogen, water, unfiltered, mg/L (00600) |
|------------|-------------------|--|---|---|--|--|--|--|---|---|
| 11-22-2011 | 1000              | 21.8                                   | 0.32  | 0.035                                       | 2.01   | 0.034  | 0.013  | 0.037  | 2.3   | 2.4   |
| 02-13-2012 | 1000              | 24.6                                   | .27   | .046  | 2.86   | .055   | .006   | .017   | 3.1   | 3.2   |
| 05-15-2012 | 1000              | 22.0                                   | .40   | .085  | 1.76   | .078   | .022   | .052   | 2.2   | 2.2   |
| 08-27-2012 | 0845              | 20.7                                   | .29   | .025  | .967   | .041   | .025   | .032   | 1.3   | 1.3   |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 5 of 6

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Barium, water, unfiltered, recoverable, µg/L (01007) | Beryllium, water, unfiltered, recoverable, µg/L (01012) | Cadmium, water, unfiltered, µg/L (01027) | Chromium, water, unfiltered, recoverable, µg/L (01034) | 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) | Mercury, water, unfiltered, recoverable, µg/L (71900) |
|------------|-------------------|--|---|--|--|--|--|--|---|---|
| 11-22-2011 | 1000              | --   | --  | --                                       | --   | --   | --   | --   | --  | --  |
| 02-13-2012 | 1000              | 67.3   | .05   | .055                                     | < .30  | < .70  | 482  | .35  | 40.5  | < .005  |
| 05-15-2012 | 1000              | --   | --  | --                                       | --   | --   | --   | --   | --  | --  |
| 08-27-2012 | 0845              | 65.6   | < .02   | < .016                                   | < .30  | < .70  | 284  | .14  | 29.8  | < .005  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 6 of 6

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

| Date       | Sample start time | Nickel, water, unfiltered, recoverable, µg/L (01067) | Silver, water, unfiltered, recoverable, µg/L (01077) | Zinc, water, unfiltered, recoverable, µg/L (01092) | Arsenic, water, filtered, µg/L (01000) | Arsenic, water, unfiltered, µg/L (01002) | Boron, water, unfiltered, recoverable, micrograms per liter (01022) | Selenium, water, unfiltered, µg/L (01147) | Organic carbon, suspended sediment, total, mg/L (00689) | Organic carbon, water, filtered, mg/L (00681) |
|------------|-------------------|--|--|--|--|--|---|---|---|---|
| 11-22-2011 | 1000              | --   | --   | --   | --                                     | --                                       | --  | --  | 0.35  | 4.84  |
| 02-13-2012 | 1000              | 1.3  | < .015   | 6.9  | .31                                    | .50                                      | 20  | .201                                      | .35   | 2.08  |
| 05-15-2012 | 1000              | --   | --   | --   | --                                     | --                                       | --  | --  | .70   | 4.43  |
| 08-27-2012 | 0845              | .47  | < .015   | < 3.0  | .75                                    | .80                                      | 23  | .170                                      | .22   | 3.21  |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 10

[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | 1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295) | 2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660) | 2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618) | 2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040) | 2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620) | 3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625) | 3,5-Di-chloro-aniline, water, filtered, recoverable, µg/L (61627) | 4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633) | Aceto-chlor, water, filtered, recoverable, µg/L (49260) |
|------------|-------------------|--|---|--|---|--|--|---|--|---|
| 05-15-2012 | 1000              | < .0360  | < .0060   | < .010   | E .013  | < .010   | < .0060  | < .006  | < .0080  | < .010  |

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Alachlor, water, filtered, recoverable, µg/L (46342) | alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362) | Atrazine, water, filtered, recoverable, µg/L (39632) | Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635) | Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686) | Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673) | Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680) | Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674) |
|------------|-------------------|--|---|--|---|---|---|--|--|
| 05-15-2012 | 1000              | < .008   | < .006  | 0.017  | < .042  | < .120  | < .014  | E .005   | < .060   |

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636) | Chlorpyrifos, water, filtered, recoverable, µg/L (38933) | cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687) | cis-Propicon-azole, water, filtered, recoverable, µg/L (79846) | Cyanazine, water, filtered, recoverable, µg/L (04041) | Cyfluthrin, water, filtered, recoverable, µg/L (61585) | Cypermethrin, water, filtered, recoverable, µg/L (61586) | DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682) | Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169) |
|------------|-------------------|--|--|--|--|---|--|--|--|---|
| 05-15-2012 | 1000              | < .08  | < .0036  | < .010   | < .008   | < .022  | < .016   | < .020   | 0.0021   | < .029  |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170) | Diazinon, water, filtered, recoverable, µg/L (39572) | Dichlorvos, water, filtered, recoverable, µg/L (38775) | Dicrotophos, water, filtered, recoverable, µg/L (38454) | Dieldrin, water, filtered, recoverable, µg/L (39381) | Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662) | Disulfoton sulfone, water, filtered, recoverable, µg/L (61640) | Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677) | Endosulfan sulfate, water, filtered, recoverable, µg/L (61590) |
|------------|-------------------|---|--|--|---|--|--|--|--|--|
| 05-15-2012 | 1000              | < .012  | < .0060  | < .04  | < .08   | < .008   | < .0100  | < .014   | < .040   | < .016   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668) | Ethion monoxon, water, filtered, recoverable, µg/L (61644) | Ethion, water, filtered, recoverable, µg/L (82346) | Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672) | Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645) | Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646) | Fenamiphos, water, filtered, recoverable, µg/L (61591) | Fipronil sulfide, water, filtered, recoverable, µg/L (62167) | Fipronil sulfone, water, filtered, recoverable, µg/L (62168) |
|------------|-------------------|--|--|--|--|--|--|--|--|--|
| 05-15-2012 | 1000              | < .0056  | < .021   | < .010   | < .016   | < .054   | < .08  | < .030   | < .012   | < .024   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Fipronil, water, filtered, recoverable, µg/L (62166) | Fonofos, water, filtered, recoverable, µg/L (04095) | Hexazinone, water, filtered, recoverable, µg/L (04025) | Iprodione, water, filtered, recoverable, µg/L (61593) | Isofenphos, water, filtered, recoverable, µg/L (61594) | lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595) | Malaoxon, water, filtered, recoverable, µg/L (61652) | Malathion, water, filtered, recoverable, µg/L (39532) | Metalaxyl, water, filtered, recoverable, µg/L (61596) |
|------------|-------------------|--|---|--|---|--|--|--|---|---|
| 05-15-2012 | 1000              | < .018   | < .0048   | < .012   | < .014  | < .008   | < .010   | < .022   | < .016  | 0.031   |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Methidathion, water, filtered, recoverable, | Methyl paraoxon, water, filtered, recoverable, | Methyl parathion, water, filtered, recoverable, | Metolachlor, water, filtered, recoverable, | Metribuzin, water, filtered, recoverable, | Molinate, water, filtered, recoverable,  | Myclobutanol, water, filtered, recoverable, | Oxyfluorfen, water, filtered, recoverable, | Pendimethalin, water, filtered, recoverable, |
|------------|-------------------|---|--|---|--|---|--|---|--|--|
|            |                   | (61598)                                     | (61664)  | (0.7 micron glass fiber filter), (82667)        | (0.7 micron glass fiber filter), (39415)   | (0.7 micron glass fiber filter), (82630)  | (0.7 micron glass fiber filter), (82671) | (0.7 micron glass fiber filter), (61599)    | (0.7 micron glass fiber filter), (61600)   | (0.7 micron glass fiber filter), (82683)     |
| 05-15-2012 | 1000              | < .012                                      | < .014   | < .008  | 0.140                                      | < .012                                    | < .0040                                  | 0.008                                       | < .010                                     | < .012                                       |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Phorate oxygen analog, water, filtered, recoverable, | Phorate, water, filtered, recoverable,   | Phosmet oxygen analog, water, filtered, recoverable, | Phosmet, water, filtered, recoverable,   | Prometon, water, filtered, recoverable,  | Prometryn, water, filtered, recoverable, | Propanil, water, filtered, recoverable,  | Propargite, water, filtered, recoverable, | Propyzamide, water, filtered, recoverable, |
|------------|-------------------|--|--|--|--|--|--|--|---|--|
|            |                   | (61666)  | (0.7 micron glass fiber filter), (82664) | (0.7 micron glass fiber filter), (61668)             | (0.7 micron glass fiber filter), (61601) | (0.7 micron glass fiber filter), (04037) | (0.7 micron glass fiber filter), (04036) | (0.7 micron glass fiber filter), (82679) | (0.7 micron glass fiber filter), (82685)  | (0.7 micron glass fiber filter), (82676)   |
| 05-15-2012 | 1000              | < .027   | < .020                                   | < .0511  | < .080                                   | 0.004                                    | < .010                                   | < .010                                   | < .020                                    | < .0036                                    |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[µg/L, micrograms per liter; &lt;, less than; E, estimated]

| Date       | Sample start time | Simazine, water, filtered, recoverable, | Tebu-thiuron, water, filtered, recoverable, | Tefluthrin, water, filtered, recoverable, | Terbufos sulfone, water, filtered, recoverable, | Terbufos, water, filtered, recoverable,  | Terbutyl-azine, water, filtered, recoverable, | Thioben-carb, water, filtered, recoverable, | trans-Propicon-azole, water, filtered, recoverable, | Tribuphos, water, filtered, recoverable, |
|------------|-------------------|---|---|---|---|--|---|---|---|--|
|            |                   | (04035)                                 | (0.7 micron glass fiber filter), (82670)    | (0.7 micron glass fiber filter), (61606)  | (0.7 micron glass fiber filter), (61674)        | (0.7 micron glass fiber filter), (82675) | (0.7 micron glass fiber filter), (04022)      | (0.7 micron glass fiber filter), (82681)    | (0.7 micron glass fiber filter), (79847)            | (0.7 micron glass fiber filter), (61610) |
| 05-15-2012 | 1000              | 0.009                                   | < .028                                      | < .014                                    | < .045  | < .018                                   | < .008  | < .016                                      | < .018  | < .018                                   |

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**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2011 TO  
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[µg/L, micrograms per liter; <, less than;  
E, estimated]

| Date       | Sample start time | Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661) |
|------------|-------------------|---|
| 05-15-2012 | 1000              | < .018  |

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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[<, less than; E, estimated]

| Date       | Sample start time | pH, bed sediment, standard units (70310) | Carbon (inorganic plus organic), bed sediment, total, dry weight, grams per kilogram (00693) | Inorganic carbon, bed sediment, total, dry weight, grams per kilogram (00686) | Phosphorus, bed sediment, total, dry weight, milligrams per kilogram as phosphorus (00668) | Cadmium, bed sediment, recoverable, dry weight, milligrams per kilogram (01028) | Chromium, bed sediment, recoverable, dry weight, milligrams per kilogram (01029) | Cobalt, bed sediment, recoverable, dry weight, milligrams per kilogram (01038) | Copper, bed sediment, recoverable, dry weight, milligrams per kilogram (01043) | Iron, bed sediment, total digestion, dry weight, milligrams per kilogram (01170) |
|------------|-------------------|--|--|---|--|---|--|--|--|--|
| 08-27-2012 | 0845              | 6.97                                     | 3.6  | < .2  | 90   | < .100  | 7.1  | 2.1  | 9  | 5,500  |

## 01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 2 of 6

[&lt;, less than; E, estimated]

| Date       | Sample start time | Lead, bed sediment, recoverable, dry weight, milligrams per kilogram (01052) | Manganese, bed sediment, recoverable, dry weight, milligrams per kilogram (01053) | Mercury, bed sediment, recoverable, dry weight, milligrams per kilogram (71921) | Nickel, bed sediment, recoverable, dry weight, milligrams per kilogram (01068) | Zinc, bed sediment, recoverable, dry weight, milligrams per kilogram (01093) | Arsenic, bed sediment, recoverable, dry weight, milligrams per kilogram (64847) | Selenium, bed sediment, recoverable, dry weight, milligrams per kilogram (64848) | p-Cresol, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49451) | PCBs, bed sediment, recoverable, dry weight, micrograms per kilogram (39519) |
|------------|-------------------|--|---|---|--|--|---|--|---|--|
| 08-27-2012 | 0845              | 18   | 59  | 0.011   | 3.7  | 38   | 1.2   | < .1   | < 50  | 24.8   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 3 of 6

[&lt;, less than; E, estimated]

| Date       | Sample start time | 1,2-Dimethylnaphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49403) | 1,6-Dimethylnaphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49404) | 1-Methyl-9H-fluorene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49398) | 1-Methylphenanthrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49410) | 1-Methylpyrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49388) | 2,3,6-Trimethylnaphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49405) | 2,6-Dimethylnaphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49406) | 2-Ethyl-naphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49948) | 2-Methylanthracene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49435) |
|------------|-------------------|--|--|---|---|---|---|--|--|---|
| 08-27-2012 | 0845              | 4  | 9  | 13  | 70  | 65  | 7   | 11   | E 3  | 32  |

01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 4 of 6

[<, less than; E, estimated]

| Date       | Sample start time | 4H-Cyclopenta[def]phenanthrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49411) | 9H-Fluorene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49399) | Acenaphthene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49429) | Acenaphthylene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49428) | Anthracene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49434) | Benzo[a]anthracene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49436) | Benzo[a]pyrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49389) | Benzo[b]fluoranthene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49458) | Benzo[ghi]perylene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49408) |
|------------|-------------------|---|--|---|---|---|---|---|---|---|
| 08-27-2012 | 0845              | 92  | 38   | 27  | 35  | 98  | 410   | 410   | E 620   | 230   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 5 of 6

[<, less than; E, estimated]

| Date       | Sample start time | Benzo[k]fluoranthene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49397) | Chrysene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49450) | Dibenzo[a,h]anthracene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49461) | Fluoranthene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49466) | Indeno[1,2,3-cd]pyrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49390) | Isophorone, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49400) | Naphthalene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49402) | Phenanthrene, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49409) | Phenanthridine, bed sediment smaller than 2 millimeters, wet sieved (native water), field, recoverable, dry weight, micrograms per kilogram (49393) |
|------------|-------------------|---|---|---|---|---|---|--|---|---|
| 08-27-2012 | 0845              | E 240   | 500   | E 66  | 1,000   | E 220   | < 50  | 10   | 510   | 20  |

01477070 RACCOON CREEK AT WRIGHTS MILL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 6 of 6

[<, less than; E, estimated]

| Date       | Sample<br>start time | Pyrene,<br>bed<br>sediment<br>smaller<br>than 2<br>millimeter<br>s, wet<br>sieved<br>(native<br>water),<br>field,<br>recoverabl<br>e, dry<br>weight,<br>microgram<br>s per<br>kilogram<br>(49387) | Bed<br>sediment,<br>fall<br>diameter<br>(deionized<br>water),<br>percent<br>smaller<br>than 0.004<br>millimeter<br>s<br>(80157) | Bed<br>sediment,<br>wet<br>sieved,<br>sieve<br>diameter,<br>percent<br>smaller<br>than 0.0625<br>millimeter<br>s<br>(69600) |
|------------|----------------------|---|---|---|
| 08-27-2012 | 0845                 | 840   | 0.0   | 0.0   |