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Water-Data Report 2010

**01466900 GREENWOOD BRANCH AT NEW LISBON, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°57'22", long 74°37'40" referenced to North American Datum of 1983, Pemberton Township, Burlington County, NJ, Hydrologic Unit 02040202, on right bank, 50 ft upstream of bridge on Fourmile Road (County Route 646), 0.1 mi south of New Lisbon, 0.7 mi upstream from mouth, and 3.1 mi east of Pemberton.

DRAINAGE AREA.--77.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Occasional miscellaneous discharge measurements, water years 1954, 1973. May 1998 to current year.

REVISED RECORDS.--WDR NJ-03-1: 1998 (M), 2003. WDR NJ-04-1: 2003 (M)

GAGE.--Water-stage and precipitation recorder. Datum of gage is 34.18 ft above NAVD of 1988.

REMARKS.--Records good, except for daily discharges above 200 ft<sup>3</sup>/s, which are fair. Water diverted for water supply upstream of gage. Several measurements of water temperature were made during the year. Satellite telemetry at station.

## Water-Data Report 2010

**01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

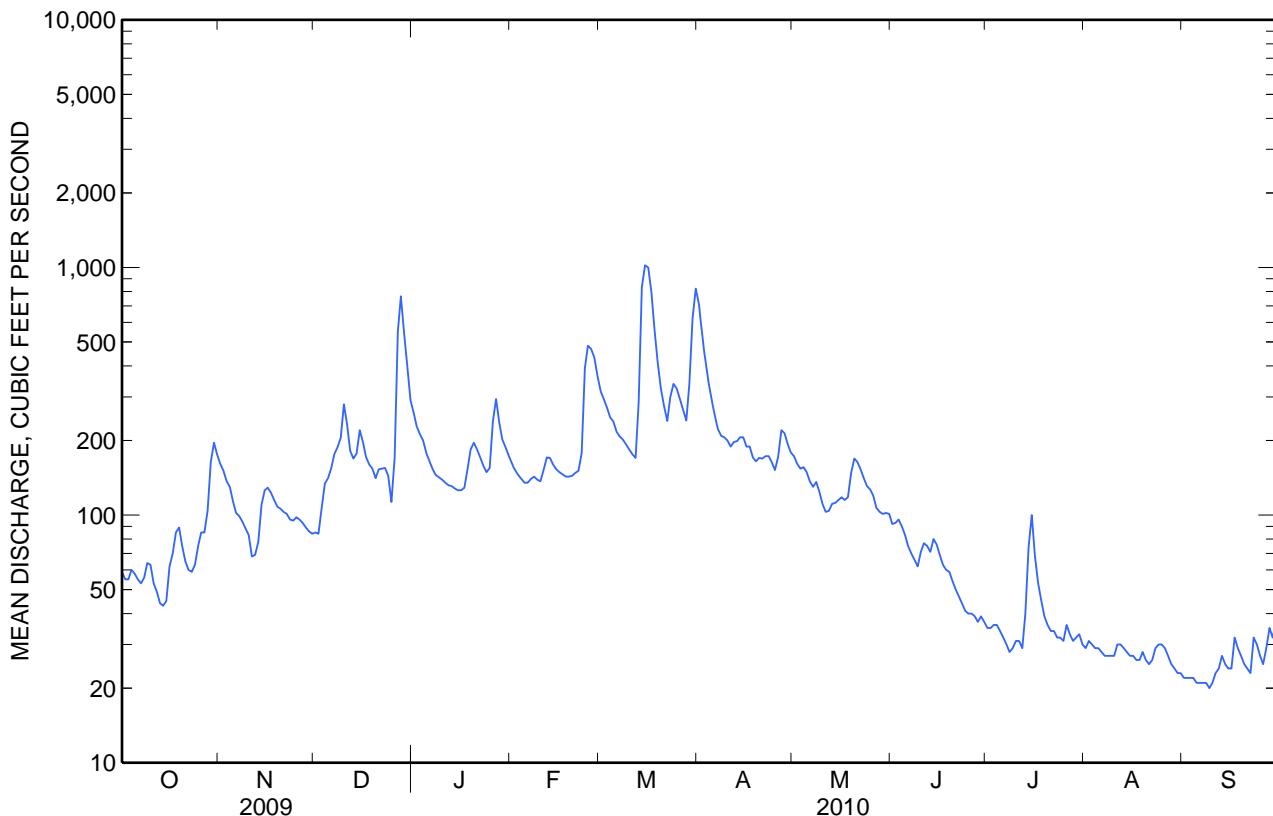
| <b>Day</b>   | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>1</b>     | 59         | 161        | 85         | 259        | 161        | 316        | 711        | 173        | 92         | 35         | 29         | 22         |
| <b>2</b>     | 55         | 151        | 84         | 228        | 152        | 294        | 540        | 161        | 93         | 35         | 31         | 22         |
| <b>3</b>     | 55         | 137        | 107        | 212        | 145        | 272        | 424        | 154        | 96         | 36         | 30         | 22         |
| <b>4</b>     | 60         | 130        | 134        | 200        | 140        | 248        | 345        | 156        | 90         | 36         | 29         | 22         |
| <b>5</b>     | 58         | 114        | 141        | 178        | 135        | 239        | 297        | 149        | 83         | 34         | 29         | 21         |
| <b>6</b>     | 55         | 102        | 155        | 165        | 135        | 217        | 251        | 137        | 75         | 32         | 28         | 21         |
| <b>7</b>     | 53         | 99         | 176        | 153        | 140        | 208        | 222        | 130        | 70         | 30         | 27         | 21         |
| <b>8</b>     | 56         | 94         | 188        | 145        | 143        | 202        | 209        | 136        | 66         | 28         | 27         | 21         |
| <b>9</b>     | 64         | 88         | 205        | 142        | 139        | 193        | 206        | 124        | 62         | 29         | 27         | 20         |
| <b>10</b>    | 63         | 83         | 280        | 139        | 137        | 184        | 200        | 111        | 71         | 31         | 27         | 21         |
| <b>11</b>    | 53         | 68         | 232        | 135        | 152        | 176        | 189        | 103        | 77         | 31         | 30         | 23         |
| <b>12</b>    | 49         | 69         | 182        | 132        | 171        | 170        | 197        | 104        | 75         | 29         | 30         | 24         |
| <b>13</b>    | 44         | 78         | 169        | 131        | 170        | 284        | 199        | 111        | 71         | 40         | 29         | 27         |
| <b>14</b>    | 43         | 110        | 177        | 128        | 160        | 831        | 206        | 112        | 80         | 74         | 28         | 25         |
| <b>15</b>    | 45         | 126        | 220        | 126        | 153        | 1,020      | 206        | 115        | 76         | 100        | 27         | 24         |
| <b>16</b>    | 62         | 129        | 197        | 126        | 149        | 1,000      | 189        | 118        | 69         | 68         | 27         | 24         |
| <b>17</b>    | 70         | 123        | 172        | 129        | 146        | 793        | 189        | 115        | 63         | 53         | 26         | 32         |
| <b>18</b>    | 85         | 115        | 160        | 154        | 143        | 564        | 171        | 118        | 60         | 45         | 26         | 29         |
| <b>19</b>    | 89         | 108        | 154        | 184        | 143        | 414        | 165        | 148        | 59         | 39         | 28         | 27         |
| <b>20</b>    | 75         | 106        | 141        | 196        | 144        | 324        | 170        | 169        | 54         | 36         | 26         | 25         |
| <b>21</b>    | 65         | 103        | 153        | 184        | 148        | 275        | 169        | 164        | 50         | 34         | 25         | 24         |
| <b>22</b>    | 60         | 101        | 154        | 171        | 151        | 240        | 173        | 153        | 47         | 34         | 26         | 23         |
| <b>23</b>    | 59         | 96         | 155        | 158        | 178        | 300        | 173        | 141        | 44         | 32         | 29         | 32         |
| <b>24</b>    | 63         | 95         | 144        | 149        | 392        | 339        | 163        | 131        | 41         | 32         | 30         | 30         |
| <b>25</b>    | 75         | 98         | 113        | 155        | 483        | 324        | 152        | 127        | 40         | 31         | 30         | 27         |
| <b>26</b>    | 85         | 96         | 170        | 239        | 469        | 294        | 172        | 120        | 40         | 36         | 29         | 25         |
| <b>27</b>    | 85         | 93         | 551        | 294        | 433        | 266        | 220        | 107        | 39         | 33         | 27         | 29         |
| <b>28</b>    | 104        | 89         | 765        | 236        | 364        | 241        | 214        | 103        | 37         | 31         | 25         | 35         |
| <b>29</b>    | 164        | 86         | 544        | 202        | ---        | 339        | 193        | 101        | 39         | 32         | 24         | 32         |
| <b>30</b>    | 196        | 84         | 400        | 188        | ---        | 623        | 179        | 102        | 37         | 33         | 23         | 37         |
| <b>31</b>    | 176        | ---        | 291        | 174        | ---        | 821        | ---        | 101        | ---        | 30         | 23         | ---        |
| <b>Total</b> | 2,325      | 3,132      | 6,799      | 5,412      | 5,576      | 12,011     | 7,094      | 3,994      | 1,896      | 1,199      | 852        | 767        |
| <b>Mean</b>  | 75.0       | 104        | 219        | 175        | 199        | 387        | 236        | 129        | 63.2       | 38.7       | 27.5       | 25.6       |
| <b>Max</b>   | 196        | 161        | 765        | 294        | 483        | 1,020      | 711        | 173        | 96         | 100        | 31         | 37         |
| <b>Min</b>   | 43         | 68         | 84         | 126        | 135        | 170        | 152        | 101        | 37         | 28         | 23         | 20         |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2010, BY WATER YEAR (WY)**

|             | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Mean</b> | 67.9       | 86.7       | 106        | 119        | 120        | 141        | 141        | 89.3       | 72.9       | 61.9       | 54.1       | 57.6       |
| <b>Max</b>  | 132        | 192        | 219        | 182        | 199        | 387        | 236        | 129        | 162        | 204        | 118        | 121        |
| <b>(WY)</b> | (2006)     | (2007)     | (2010)     | (2006)     | (2010)     | (2010)     | (2010)     | (2010)     | (2003)     | (2004)     | (2004)     | (1999)     |
| <b>Min</b>  | 28.5       | 34.6       | 29.3       | 42.4       | 37.2       | 48.3       | 61.8       | 60.4       | 39.0       | 27.6       | 21.8       | 25.6       |
| <b>(WY)</b> | (2009)     | (1999)     | (1999)     | (2002)     | (2002)     | (2002)     | (2002)     | (2002)     | (1999)     | (2002)     | (2002)     | (2010)     |

**SUMMARY STATISTICS**

|                                 | <b>Calendar Year 2009</b> | <b>Water Year 2010</b> |       | <b>Water Years 1998 - 2010</b> |                    |
|---------------------------------|---------------------------|------------------------|-------|--------------------------------|--------------------|
| <b>Annual total</b>             | 35,708                    | 51,057                 |       |                                |                    |
| <b>Annual mean</b>              | 97.8                      | 140                    |       | 93.1                           |                    |
| <b>Highest annual mean</b>      |                           |                        |       | 140                            | 2010               |
| <b>Lowest annual mean</b>       |                           |                        |       | 40.7                           | 2002               |
| <b>Highest daily mean</b>       | 765                       | Dec 28                 | 1,020 | Mar 15                         | 1,020 Mar 15, 2010 |
| <b>Lowest daily mean</b>        | 38                        | Jul 9                  | 20    | Sep 9                          | 17 Aug 4, 1999     |
| <b>Annual seven-day minimum</b> | 40                        | Jul 5                  | 21    | Sep 4                          | 18 Aug 15, 2002    |
| <b>Maximum peak flow</b>        |                           |                        | 1,060 | Mar 15                         | 1,080 Jul 13, 2004 |
| <b>Maximum peak stage</b>       |                           |                        | 8.19  | Mar 15                         | 8.91 Jul 13, 2004  |
| <b>Instantaneous low flow</b>   |                           |                        | 18    | Sep 8                          | 15 Aug 16, 2002    |
| <b>10 percent exceeds</b>       | 156                       |                        | 268   |                                | 164                |
| <b>50 percent exceeds</b>       | 82                        |                        | 111   |                                | 79                 |
| <b>90 percent exceeds</b>       | 55                        |                        | 27    |                                | 31                 |



**01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.—Water year 2001 to current year.

REMARKS.—Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 19.

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

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 5

[%; 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; E, estimated]

| Date       | Sample start time | Barometric pressure, mm Hg (00025) | Tempera-ture, air, °C (00020) | Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units | Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units | Discharge, instantane-ous, 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) |
|------------|-------------------|------------------------------------|-------------------------------|--|--|---|---|---|--|
|            |                   |                                    |                               | per centimeter (50624)   | per centimeter (61726)   |   | (00030)   | (00400)   |  |
| 11-30-2009 | 0930              | 752                                | 14.5                          | .552   | .435   | 84  | 10.4  | 90  | 4.6  |
| 03-03-2010 | 0930              | 750                                | 4.0                           | .621   | .481   | 276   | 12.3  | 94  | 4.5  |
| 05-18-2010 | 0930              | 762                                | 12.3                          | .842   | .667   | 116   | 7.2   | 73  | 4.5  |
| 08-09-2010 | 0900              | 761                                | 25.0                          | .401   | .325   | 28  | 7.1   | 81  | 5.2  |

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 5

[%; 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; E, estimated]

| Date       | Specific conduc-tance, water, unfiltered, µS/cm at 25 °C (00095) | Tempera-ture, 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, milligrams per liter (70300) | Dissolved solids, water, filtered, sum of constituents, milligrams per liter (70301) | Hardness, water, mg/L as CaCO <sub>3</sub> (00900) | Suspended solids, water, unfiltered, mg/L (00530) | Calcium, water, filtered, mg/L (00915) | Magne-sium, water, filtered, mg/L (00925) |
|------------|--|---------------------------------|--|--|--|--|---|--|---|
|            |  |                                 | (63676)  | (70300)  | (70301)  | (00900)  | (00530)   | (00915)                                | (00925)                                   |
| 11-30-2009 | 55   | 8.9                             | 2.5  | 39   | < 27   | 4.96   | 3   | 1.05                                   | .566                                      |
| 03-03-2010 | 60   | 4.0                             | 2.0  | 44   | < 22   | 3.83   | 2   | .85                                    | .411                                      |
| 05-18-2010 | 54   | 15.3                            | 11   | 50   | < 27   | 5.56   | 21  | 1.32                                   | .548                                      |
| 08-09-2010 | 61   | 21.5                            | 5.1  | 44   | < 34   | 5.89   | 6   | 1.24                                   | .679                                      |

**01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued**

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 5

[%, 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; E, estimated]

| Date              | Potassium,<br>water,<br>filtered,<br>mg/L<br>(00935) | Sodium,<br>water,<br>filtered,<br>mg/L<br>(00930) | ANC,<br>water,<br>unfiltered,<br>fixed<br>endpoint<br>(pH 4.5)<br>titration,<br>laboratory,<br>mg/L as<br>CaCO <sub>3</sub> | Carbon<br>(inorganic<br>plus<br>organic),<br>suspended<br>sediment,<br>total, mg/L<br>(00694) | Chloride,<br>water,<br>filtered,<br>mg/L<br>(00940) | Fluoride,<br>water,<br>filtered,<br>mg/L<br>(00950) | Inorganic<br>carbon,<br>suspended<br>sediment,<br>total, mg/L<br>(00688) | Silica,<br>water,<br>filtered,<br>mg/L as<br>SiO <sub>2</sub><br>(00955) | Sulfate,<br>water,<br>filtered,<br>mg/L<br>(00945) | Ammonia<br>plus<br>organic<br>nitrogen,<br>water,<br>filtered,<br>mg/L as N<br>(00623) |
|-------------------|--|---|---|---|---|---|--|--|--|--|
|                   |  |   |   |   |   |   |  |  |  |  |
| <b>11-30-2009</b> | .74  | 4.61  | < 1.7   | .39   | 8.31  | < .08   | < .06  | 5.4  | 5.24   | .35  |
| <b>03-03-2010</b> | .42  | 3.78  | < 1.7   | .29   | 6.92  | < .08   | E .06  | 3.3  | 5.02   | .24  |
| <b>05-18-2010</b> | .64  | 5.41  | < 1.7   | 3.40  | 9.19  | < .08   | < .06  | 3.8  | 4.82   | .29  |
| <b>08-09-2010</b> | .92  | 5.94  | < 1.7   | 1.46  | 10.7  | < .08   | < .06  | 5.5  | 5.91   | .22  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 4 of 5

[%, 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; E, estimated]

| Date              | Nitrate<br>plus<br>nitrite,<br>water,<br>filtered,<br>mg/L as N<br>(00608) | Orthophos-<br>phate,<br>water,<br>filtered,<br>mg/L as P<br>(00631) | Particulate<br>nitrogen,<br>suspended<br>water,<br>filtered,<br>mg/L<br>(00671) | Phosphorus,<br>in water,<br>as P<br>(49570) | Phosphorus,<br>water,<br>filtered, mg/L<br>(00666) | Phosphorus,<br>water,<br>unfiltered,<br>mg/L as P<br>(00665) | Total<br>nitrogen,<br>water,<br>filtered,<br>mg/L<br>(00602) | Total<br>nitrogen,<br>water,<br>unfiltered,<br>mg/L<br>(00600) | Total<br>Aluminum,<br>water,<br>filtered,<br>µg/L<br>(01106) |
|-------------------|--|---|---|---|--|--|--|--|--|
|                   |  |   |   |   |  |  |  |  |  |
| <b>11-30-2009</b> | .029   | .06   | .013  | .03   | .021   | .032   | .41  | .44  | --   |
| <b>03-03-2010</b> | < .010   | E .03   | E .007  | < .03                                       | .011   | .022   | E .26  | < .30  | --   |
| <b>05-18-2010</b> | .048   | .04   | --  | .14   | .014   | .096   | .33  | .48  | --   |
| <b>08-09-2010</b> | .033   | .11   | --  | .09   | .010   | .072   | .34  | .43  | 149  |

## 01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER**  
**2010**

Part 5 of 5

[%, 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; E, estimated]

| Date       | Iron,<br>water,<br>filtered,<br>µg/L<br>(01046) | Organic<br>carbon,<br>suspended<br>sediment,<br>total, mg/L<br>(00689) | Organic<br>carbon,<br>water,<br>filtered,<br>mg/L<br>(00681) |
|------------|---|--|--|
| 11-30-2009 | --  | .39  | 9.3  |
| 03-03-2010 | --  | .23  | 11.7   |
| 05-18-2010 | --  | 3.40   | 13.2   |
| 08-09-2010 | 982   | 1.46   | 5.8  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 5

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

| Date       | Sample<br>start<br>time | Moisture<br>content,<br>bed<br>sediment<br>smaller<br>than 2<br>millimeter<br>s, wet<br>sieved<br>(native<br>water),<br>field,<br>recoverabl | pH, bed<br>sediment,<br>standard<br>units<br>(49282) | Carbon<br>(inorganic<br>plus<br>organic),<br>bed<br>sediment,<br>total, dry<br>weight,<br>weight, | Phosphoru<br>s, bed<br>sediment,<br>total, dry<br>weight,<br>bed<br>milligrams<br>per<br>kilogram | Cadmium,<br>bed<br>sediment,<br>weight,<br>milligrams<br>recoverabl | Chromium,<br>bed<br>sediment,<br>weight,<br>recoverabl | Cobalt,<br>bed<br>sediment,<br>weight,<br>recoverabl | Copper,<br>bed<br>sediment,<br>weight,<br>recoverabl |    |
|------------|-------------------------|--|--|---|---|---|--|--|--|----|
|            |                         |  |  |   |   |   |  |  |  |    |
| 08-09-2010 | 0900                    | 24   | 5.61   | 1.9   | <.2   | 20  | .020   | 3.8  | .2   | <2 |

01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 5

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

| Date       | Iron, bed<br>sediment,<br>total<br>digestion,<br>dry weight,<br>milligrams<br>per<br>kilogram<br>(01170) | Lead, bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(01052) | Manganese<br>e, bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(01053) | Mercury,<br>bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(71921) | Nickel,<br>bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(01068) | Zinc, bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(01093) | Arsenic,<br>bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(64847) | Selenium,<br>bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligrams<br>per<br>kilogram<br>(64848) | p-Cresol,<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>milligram<br>s per<br>kilogram<br>(49451) | PCBs, bed<br>sediment,<br>recoverabl<br>e, dry<br>weight,<br>milligram<br>s per<br>kilogram<br>(39519) |
|------------|--|---|---|---|--|---|---|--|---|--|
|            |  |   |   |   |  |   |   |  |   |  |
| 08-09-2010 | 1,100  | 9.1   | 7.2   | <.007   | .6   | 4.5   | .3  | <.1  | E 3   | <5.00  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 5

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

| Date       | 1,2-Dimethyl<br>aphthalen<br>e, 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>(49403) | 1,6-Dimethyl<br>aphthalen<br>e, 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>(49404) | 1-Methyl-9H-fluorene,<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>(49398) | 1-Methylphe<br>nanthrene,<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>(49410) | 1-Methylpyr<br>ene, 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>(49388) | 2,3,6-Trimethyl<br>aphthalen<br>e, 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>(49405) | 2,6-Dimethyl<br>aphthalen<br>e, 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>(49406) | 2-Ethynapht<br>halene,<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>(49948) | 2-Methylnap<br>thalene,<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>(49435) | 4H-Cyclopent<br>a[def]phen<br>anthrene,<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>(49411) |  |
|------------|--|--|---|---|--|---|--|--|---|---|--|
|            |  |  |   |   |  |   |  |  |   |   |  |
| 08-09-2010 | E 1  | E 3  | E 2   | E 9   | E 8  | E 2   | E 3  | E 1  | E 5   | E 5   |  |

## 01466900 GREENWOOD BRANCH AT NEW LISBON, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 4 of 5

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

| 9H-        |            |            |            |            |            |            |            |            |            |            |            |            |  |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|
| Fluorene,  | Acenaphth  | Acenaphth  | Anthracen  | nthracene, | Benzo[a]py | uronthen   | Benzo[ghi] | perylene,  | Benzo[k]fl | ueranthen  | Chrysene,  |            |  |
| bed        | ene, bed   | ylene, bed | e, bed     | bed        | rene, bed  | e, bed     | perylene,  | bed        | ueranthen  | e, bed     | Chrysene,  |            |  |
| sediment   | perylene,  | bed        | ueranthen  | sediment   | bed        |            |  |
| smaller    | perylene,  | bed        | ueranthen  | smaller    | smaller    |            |  |
| than 2     | perylene,  | bed        | ueranthen  | than 2     | than 2     |            |  |
| millimeter | perylene,  | bed        | ueranthen  | millimeter | millimeter |            |  |
| s, wet     | perylene,  | bed        | ueranthen  | s, wet     | s, wet     |            |  |
| sieved     |            |  |
| (native    |            |  |
| water),    |            |  |
| field,     |            |  |
| recoverabl |  |
| e, dry     |  |
| weight,    |  |
| microgram  |  |
|            | s per      |  |
| Date       |            |            |            |            |            |            |            |            |            |            |            |            |  |
|            | kilogram   |  |
| 08-09-2010 | E 3        | E 1        | E 4        | E 7        | E 18       | E 29       | E 33       | E 6        | E 12       | E 19       |            |            |  |
|            | (49399)    | (49429)    | (49428)    | (49434)    | (49436)    | (49389)    | (49458)    | (49408)    | (49397)    | (49450)    |            |            |  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 5 of 5

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

| Dibenzo[a, |            |            |            |            |            |            |            |         |         |  |  |  |  |
|------------|------------|------------|------------|------------|------------|------------|------------|---------|---------|--|--|--|--|
| h]anthrace | Fluoranthe | cd]pyrene, | Isophorone | Naphthale  | Phenanthr  | Phenanthri | Pyrene,    |         |         |  |  |  |  |
| ne, bed    | ne, bed    | bed        | , bed      | ne, bed    | ene, bed   | dine, bed  | bed        |         |         |  |  |  |  |
| sediment   |         |         |  |  |  |  |
| smaller    |         |         |  |  |  |  |
| than 2     |         |         |  |  |  |  |
| millimeter |         |         |  |  |  |  |
| s, wet     |         |         |  |  |  |  |
| sieved     |         |         |  |  |  |  |
| (native    |         |         |  |  |  |  |
| water),    |         |         |  |  |  |  |
| field,     |         |         |  |  |  |  |
| recoverabl |         |         |  |  |  |  |
| e, dry     |         |         |  |  |  |  |
| weight,    |         |         |  |  |  |  |
| microgram  |         |         |  |  |  |  |
|            | s per      |         |         |  |  |  |  |
| Date       |            |            |            |            |            |            |            |         |         |  |  |  |  |
|            | kilogram   |         |         |  |  |  |  |
| 08-09-2010 | E 2        | E 34       | E 7        | < 50       | E 2        | E 22       | < 50       | E 41    | 1.0     |  |  |  |  |
|            | (49461)    | (49466)    | (49390)    | (49400)    | (49402)    | (49409)    | (49393)    | (49387) | (80164) |  |  |  |  |