

## Water-Data Report 2009

**01408850 CEDAR CREEK AT DOUBLE TROUBLE STATE PARK, NJ**

NEW JERSEY COASTAL BASIN

LOCATION.--Lat 39°53'59", long 74°13'48" referenced to North American Datum of 1983, Berkeley Township, Ocean County, NJ, Hydrologic Unit 02040301, 100 ft upstream from spillway of abandoned cranberry bog, in Double Trouble State Park, 0.5 mi west of Double Trouble, 1.6 mi downstream from Newbolds Branch, and 2.9 mi southwest of South Toms River.

DRAINAGE AREA.--31.8 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--July to August 2009.

REMARKS.--Cooperative Network Site Descriptor: Development of Mercury-Bioaccumulation Factors special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 2

| Date       | Time | Medium name               | Sample type          | Baro-metric pressure, mm Hg (00025) | Temper-ature, deg C (00020) | UV absorb-ance, 254 nm, wat flt units /cm (50624) | Dis-solved oxygen, mg/L (00300) | Dis-solved oxygen, percent of saturation (00301) |
|------------|------|---------------------------|----------------------|-------------------------------------|-----------------------------|---|---------------------------------|--|
| <b>Jul</b> |      |                           |                      |                                     |                             |   |                                 |  |
| 09...      | 1130 | Surface water             | Regular              | 767                                 | 28.0                        | .191  | --                              | --   |
| 09...      | 1131 | Surface water             | Regular              | 767                                 | --                          | --  | 4.8                             | 53   |
| 09...      | 1132 | Surface water             | Regular              | 767                                 | --                          | --  | 7.2                             | 76   |
| 09...      | 1133 | Surface water             | Regular              | 767                                 | --                          | --  | 7.8                             | 84   |
| <b>Aug</b> |      |                           |                      |                                     |                             |   |                                 |  |
| 21...      | 1145 | Surface water             | Replicate            | 760                                 | --                          | .282  | --                              | --   |
| 21...      | 1146 | Surface water             | Regular              | 760                                 | --                          | --  | 1.5                             | 10   |
| 21...      | 1147 | Surface water             | Regular              | 760                                 | --                          | --  | 7.4                             | 91   |
| 21...      | 1148 | Surface water             | Regular              | 760                                 | --                          | --  | 8.0                             | 101  |
| 21...      | 1150 | QC sample - Surface water | Sequential Replicate | --                                  | --                          | .278  | --                              | --   |

## 01408850 CEDAR CREEK AT DOUBLE TROUBLE STATE PARK, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 2

| Date       | pH,<br>water,<br>unfltrd<br>field,<br>std<br>units<br>(00400) | Specif-<br>ic<br>conduc-<br>tance,<br>wat unf<br>corrctd<br>μS/cm @<br>25 degC<br>(00095) | Temper-<br>ature,<br>water,<br>deg C<br>(00010) | Turbdty<br>white<br>light,<br>det ang<br>90+/-30<br>NTRU<br>(63676) | Depth<br>of<br>sensor<br>below<br>water<br>surface<br>feet<br>(72147) | Sulfate<br>water,<br>filtrd,<br>mg/L<br>(00945) | Mercury<br>water,<br>unfltrd<br>ng/L<br>(50286) | Methyl-<br>mercury<br>water,<br>filtrd,<br>ng/L<br>(50285) | Organic<br>carbon,<br>water,<br>filtrd,<br>mg/L<br>(00681) |
|------------|---|---|---|---|---|---|---|--|--|
| <b>Jul</b> |   |   |   |   |   |   |   |  |  |
| 09...      | 4.8   | 30  | --  | 2.8   | --  | 2.87  | 2.54  | .22  | 4.5  |
| 09...      | --  | --  | 19.9  | --  | 5.50  | --  | --  | --   | --   |
| 09...      | --  | --  | 20.0  | --  | 3.00  | --  | --  | --   | --   |
| 09...      | --  | --  | 21.1  | --  | .50   | --  | --  | --   | --   |
| <b>Aug</b> |   |   |   |   |   |   |   |  |  |
| 21...      | 4.9   | 29  | --  | .9  | --  | 2.6   | 13.4  | .33  | 5.9  |
| 21...      | --  | --  | 24.6  | --  | 6.00  | --  | --  | --   | --   |
| 21...      | --  | --  | 26.5  | --  | 3.30  | --  | --  | --   | --   |
| 21...      | --  | --  | 27.7  | --  | 1.00  | --  | --  | --   | --   |
| 21...      | --  | --  | --  | --  | --  | 2.7   | 6.72  | .34  | 5.8  |