



Water-Data Report 2010

01408850 CEDAR CREEK AT DOUBLE TROUBLE STATE PARK, NJ

CEDAR CREEK 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 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2009-10.

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 2009 TO SEPTEMBER 2010**

Part 1 of 3

[%, percent; NTRU, nephelometric turbidity ratio unit; cm, centimeter; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Absorbance,		Dissolved oxygen, water, unfiltered, mg/L (00300)
						Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter (50624)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter (61726)	
10-21-2009	1145	Surface water	Regular	767	18.0	.428	.334	--
10-21-2009	1146	Surface water	Regular	767	--	--	--	7.8
10-21-2009	1147	Surface water	Regular	767	--	--	--	8.2
10-21-2009	1148	Surface water	Regular	767	--	--	--	9.1
04-08-2010	1145	Surface water	Replicate	754	33.0	.461	.364	--
04-08-2010	1146	QC sample - Surface water	Sequential Replicate	--	--	.468	.370	--
04-08-2010	1146	Surface water	Regular	754	--	--	--	5.5
04-08-2010	1147	Surface water	Regular	754	--	--	--	6.1
04-08-2010	1148	Surface water	Regular	754	--	--	--	6.3

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

[%, percent; NTRU, nephelometric turbidity ratio unit; cm, centimeter; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	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)	Sampling depth, ft (00003)	Depth of sensor below water surface, feet (72147)	Sulfate, water, filtered, mg/L (00945)	Mercury, water, unfiltered, nanograms per liter (50286)
10-21-2009	--	4.5	42	--	.6	1.00	--	3.39	3.18
10-21-2009	71	--	--	10.9	--	--	5.50	--	--
10-21-2009	75	--	--	11.4	--	--	3.00	--	--
10-21-2009	84	--	--	12.3	--	--	1.00	--	--
04-08-2010	--	4.2	43	--	1.2	1.00	--	4.32	5.31
04-08-2010	--	--	--	--	--	1.00	--	4.21	5.07
04-08-2010	60	--	--	18.1	--	--	5.50	--	--
04-08-2010	64	--	--	18.4	--	--	3.00	--	--
04-08-2010	69	--	--	18.9	--	--	.50	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 3

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Date	Methyl-mercury, water, filtered, recoverable, nanograms per liter (50285)	Organic carbon, water, filtered, mg/L (00681)
10-21-2009	.16	9.4
10-21-2009	--	--
10-21-2009	--	--
10-21-2009	--	--
04-08-2010	.12	8.9
04-08-2010	.14	9.1
04-08-2010	--	--
04-08-2010	--	--
04-08-2010	--	--