

Water-Data Report 2010

01438070 STEENY KILL LAKE AT HIGH POINT STATE PARK, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 41°19'18", long 74°40'22" referenced to North American Datum of 1983, Montague Township, Sussex County, NJ, Hydrologic Unit 02040104, at outlet on Clove Brook in High Point State Park, 0.4 mi west of Lake Marcia, 0.5 mi west of High Point summit, and 2.2 mi south of Duttonville.

DRAINAGE AREA.--0.30 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May to August 2010.

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; <, less than]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Tempera-ture, water, filtered, units per centimeter (50624)	Absorbance, UV, organic constituents, cm path length, water, filtered, units per centimeter (61726)		Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)
							Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter	Absorbance, 280 nm, 1 cm path length, water, filtered, units per centimeter		
05-06-2010	0830	QC sample - Artificial	Field Blank	--	--	<.001	<.001	--	--	--
05-06-2010	0915	QC sample - Artificial	Field Blank	--	--	--	--	--	--	--
05-06-2010	0945	Surface water	Regular	752	17.0	.120	.095	--	--	--
05-06-2010	0946	Surface water	Regular	722	--	--	--	5.0	50	
05-06-2010	0947	Surface water	Regular	722	--	--	--	7.3	78	
05-06-2010	0948	Surface water	Regular	722	--	--	--	7.5	81	
06-09-2010	0830	QC sample - Artificial	Field Blank	--	--	.007	.006	--	--	--
06-09-2010	0900	QC sample - Artificial	Field Blank	--	--	--	--	--	--	--
06-09-2010	0945	Surface water	Regular	733	15.5	.116	.087	--	--	--
06-09-2010	0946	Surface water	Regular	733	--	--	--	7.7	86	
06-09-2010	0947	Surface water	Regular	733	--	--	--	7.7	85	
06-09-2010	0948	Surface water	Regular	733	--	--	--	7.7	85	
08-31-2010	0800	QC sample - Artificial	Field Blank	--	--	<.001	<.001	--	--	--
08-31-2010	0900	QC sample - Artificial	Field Blank	--	--	--	--	--	--	--
08-31-2010	0915	Surface water	Regular	734	24.5	.123	.090	--	--	--
08-31-2010	0916	Surface water	Regular	734	--	--	--	3.0	--	--
08-31-2010	0917	Surface water	Regular	734	--	--	--	7.2	--	--
08-31-2010	0918	Surface water	Regular	734	--	--	--	7.7	--	--

01438070 STEENY KILL LAKE AT HIGH POINT STATE PARK, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

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Date	pH, water, unfiltered, field, standard units (00400)	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)		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)	Methyl- mercury, water, filtered, recoverable, nanograms per liter (50285)
05-06-2010	--	--	--	--	--	--	--	<.18	--	--
05-06-2010	--	--	--	--	--	--	--	--	.05	.30
05-06-2010	6.7	359	--	.8	1.00	--	--	5.56	1.16	--
05-06-2010	--	--	15.5	--	--	8.50	--	--	--	--
05-06-2010	--	--	18.4	--	--	4.50	--	--	--	--
05-06-2010	--	--	18.5	--	--	.50	--	--	--	--
06-09-2010	--	--	--	--	--	--	<.18	--	--	--
06-09-2010	--	--	--	--	--	--	--	--	.06	<.04
06-09-2010	6.9	375	--	1.5	1.00	--	--	5.05	.81	<.04
06-09-2010	--	--	20.7	--	--	7.00	--	--	--	--
06-09-2010	--	--	20.6	--	--	3.50	--	--	--	--
06-09-2010	--	--	20.4	--	--	1.00	--	--	--	--
08-31-2010	--	--	--	--	--	--	<.18	--	--	--
08-31-2010	--	--	--	--	--	--	--	--	.06	<.04
08-31-2010	7.3	392	--	1.0	1.00	--	--	5.32	.85	<.04
08-31-2010	--	--	22.4	--	--	8.00	--	--	--	--
08-31-2010	--	--	23.0	--	--	4.00	--	--	--	--
08-31-2010	--	--	23.9	--	--	.50	--	--	--	--

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WATER YEAR OCTOBER
2009 TO SEPTEMBER
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Part 3 of 3

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Date	Organic carbon, water, filtered, mg/L (00681)
05-06-2010	.4
05-06-2010	--
05-06-2010	3.5
05-06-2010	--
05-06-2010	--
05-06-2010	--
06-09-2010	.4
06-09-2010	--
06-09-2010	3.9
06-09-2010	--
06-09-2010	--
06-09-2010	--
08-31-2010	.4
08-31-2010	--
08-31-2010	4.9
08-31-2010	--
08-31-2010	--
08-31-2010	--