



Water-Data Report 2010

01383570 GREEN TURTLE POND NEAR AWOSTING, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°08'34", long 74°19'47" referenced to North American Datum of 1983, West Milford Township, Passaic County, NJ, Hydrologic Unit 02030103, 150 upstream from the outlet, 0.7 mi southwest of Awosting, and 0.8 mi west of Hewitt.

DRAINAGE AREA.--0.50 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 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)	Temperature, air, °C (00020)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per centimeter (61726)	Dissolved oxygen, water, unfiltered, mg/L (00300)
04-29-2010	0900	QC sample - Artificial	Field Blank	--	--	.002	.002	--
04-29-2010	0930	QC sample - Artificial	Field Blank	--	--	--	--	--
04-29-2010	1030	Surface water	Regular	744	12.0	.041	.030	--
04-29-2010	1031	Surface water	Regular	744	--	--	--	1.8
04-29-2010	1032	Surface water	Regular	744	--	--	--	9.4
04-29-2010	1033	Surface water	Regular	744	--	--	--	9.8
06-08-2010	1015	Surface water	Regular	750	19.5	.049	.037	--
06-08-2010	1016	QC sample - Surface water	Sequential Replicate	--	--	.050	.037	--
06-08-2010	1016	Surface water	Regular	750	--	--	--	5.8
06-08-2010	1017	Surface water	Regular	750	--	--	--	7.5
06-08-2010	1018	Surface water	Regular	750	--	--	--	8.3
08-18-2010	1050	Surface water	Regular	750	24.5	.047	.034	--
08-18-2010	1051	Surface water	Regular	750	--	--	--	.8
08-18-2010	1052	Surface water	Regular	750	--	--	--	5.8
08-18-2010	1053	Surface water	Regular	750	--	--	--	7.5

01383570 GREEN TURTLE POND NEAR AWOSTING, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

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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)
04-29-2010	--	--	--	--	--	--	--	< .18	--
04-29-2010	--	--	--	--	--	--	--	--	< .04
04-29-2010	--	7.1	109	--	1.7	1.00	--	5.61	.50
04-29-2010	20	--	--	10.7	--	--	18.60	--	--
04-29-2010	86	--	--	11.7	--	--	10.00	--	--
04-29-2010	94	--	--	13.2	--	--	1.00	--	--
06-08-2010	--	7.5	111	--	1.5	1.00	--	5.53	.36
06-08-2010	--	--	--	--	--	1.00	--	5.51	.34
06-08-2010	56	--	--	16.0	--	--	17.00	--	--
06-08-2010	89	--	--	22.1	--	--	9.00	--	--
06-08-2010	95	--	--	23.1	--	--	1.00	--	--
08-18-2010	--	9.1	117	--	6.7	1.00	--	4.77	.28
08-18-2010	10	--	--	24.4	--	--	17.00	--	--
08-18-2010	71	--	--	25.2	--	--	9.00	--	--
08-18-2010	87	--	--	25.8	--	--	1.00	--	--

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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)
<i>04-29-2010</i>	--	.4
<i>04-29-2010</i>	< .04	--
<i>04-29-2010</i>	< .04	2.6
<i>04-29-2010</i>	--	--
<i>04-29-2010</i>	--	--
<i>04-29-2010</i>	--	--
<i>06-08-2010</i>	< .04	2.8
<i>06-08-2010</i>	< .04	2.9
<i>06-08-2010</i>	--	--
<i>06-08-2010</i>	--	--
<i>06-08-2010</i>	--	--
<i>08-18-2010</i>	< .04	3.7
<i>08-18-2010</i>	--	--
<i>08-18-2010</i>	--	--
<i>08-18-2010</i>	--	--