



Water-Data Report 2009

0141144190 EAST CREEK POND NEAR ELDORA, NJ

LOWER DELAWARE BASIN

LOCATION.--Lat 39°13'21", long 74°53'09" referenced to North American Datum of 1983, Dennis Township, Cape May County, NJ, Hydrologic Unit 02040206, 60 ft upstream of dam on East Creek, 1.2 mi northeast of Eldora, 2.3 mi northwest of North Dennis, and 2.9 mi upstream from confluence with Willis Run.

DRAINAGE AREA.--8.10 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to August 2009.

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

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

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**
Part 1 of 2
[Remark codes: <, less than.]

Date	Time	Medium name	Sample type	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, 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)
Jul								
08...	0930	QC sample - Artificial	Field Blank	--	--	<.001	--	--
08...	0945	Surface water	Regular	760	25.0	.277	--	--
08...	0946	Surface water	Regular	760	--	--	2.8	37
08...	0947	Surface water	Regular	760	--	--	5.9	74
08...	0948	Surface water	Regular	760	--	--	6.0	75
Aug								
25...	0950	Surface water	Regular	766	27.0	.198	--	--
25...	0951	Surface water	Regular	766	--	--	.4	6
25...	0952	Surface water	Regular	766	--	--	6.0	76
25...	0953	Surface water	Regular	766	--	--	6.5	82

0141144190 EAST CREEK POND NEAR ELDORA, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

[Remark codes: <, less than.]

Date	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, $\mu\text{S}/\text{cm}$ @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd	Depth of sensor below water surface	Sulfate water, filtrd, feet (63676)	Mercury water, unfltrd mg/L (00945)	Methyl- mercury water, filtrd, ng/L (50286)	Organic carbon, water, filtrd, mg/L (00681)
Jul									
08...	--	--	--	--	--	<.18	<.04	<.04	.8
08...	4.7	50	--	2.7	--	4.97	3.13	.28	7.7
08...	--	--	25.9	--	5.80	--	--	--	--
08...	--	--	26.8	--	3.15	--	--	--	--
08...	--	--	26.8	--	.50	--	--	--	--
Aug									
25...	5.6	49	--	1.3	--	4.4	3.10	.14	6.8
25...	--	--	28.2	--	6.60	--	--	--	--
25...	--	--	28.2	--	3.50	--	--	--	--
25...	--	--	28.5	--	1.00	--	--	--	--