



Water-Data Report 2009

01411169 LAKE LENAPE AT MAYS LANDING, NJ

NEW JERSEY COASTAL BASIN

LOCATION.--Lat 39°27'18", long 74°44'07" referenced to North American Datum of 1983, Hamilton Township, Atlantic County, NJ, Hydrologic Unit 02040302, 350 ft northwest of dam on Great Egg Harbor River, at Mays Landing, 900 ft upstream of bridge on Mill St, 1.2 mi north of Belcoville, and 4.3 mi upstream from confluence with South River.

DRAINAGE AREA.--205 mi².

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

[Remark codes: <, less than.]

Date	Time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, deg C (00020)	UV absorbance, 254 nm, wat flt units /cm (50624)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
Jul								
08...	1200	Surface water	Regular	760	28.0	.497	--	--
08...	1201	Surface water	Regular	760	--	--	4.1	47
08...	1202	Surface water	Regular	760	--	--	5.5	68
08...	1203	Surface water	Regular	760	--	--	6.2	72
Aug								
25...	1140	QC sample - Artificial	Field Blank	--	--	.001	--	--
25...	1200	Surface water	Regular	766	33.0	1.198	--	--
25...	1201	Surface water	Regular	766	--	--	2.7	33
25...	1202	Surface water	Regular	766	--	--	3.8	35
25...	1203	Surface water	Regular	766	--	--	3.9	51

01411169 LAKE LENAPE AT MAYS LANDING, 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, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, 90+/-30 corrctd NTRU (63676)	Depth of sensor below water surface feet (72147)	Sulfate water, filtrd, mg/L (00945)	Mercury water, unfltrd ng/L (50286)	Methyl- mercury water, filtrd, ng/L (50285)	Organic carbon, water, filtrd, mg/L (00681)
Jul									
08...	4.9	65	--	4.8	--	4.76	12.5	.49	9.9
08...	--	--	26.1	--	10.70	--	--	--	--
08...	--	--	25.5	--	5.60	--	--	--	--
08...	--	--	23.9	--	.50	--	--	--	--
Aug									
25...	--	--	--	--	--	<.2	.04	<.04	.3
25...	4.5	57	--	5.4	--	4.9	14.4	.50	23.0
25...	--	--	25.3	--	9.00	--	--	--	--
25...	--	--	26.7	--	5.00	--	--	--	--
25...	--	--	29.1	--	1.00	--	--	--	--