



Water-Data Report 2009

01409495 BATSTO LAKE AT BATSTO, NJ

NEW JERSEY COASTAL BASIN

LOCATION.--Lat 39°38'37", long 74°39'01" referenced to North American Datum of 1983, Washington Township, Burlington County, NJ, Hydrologic Unit 02040301, 50 ft upstream from dam on Batsto River in Batsto, in Wharton State Forest, 1.5 mi upstream from Mullica River, 2.5 mi east of Nesco, and 8.0 mi north of Egg Harbor City.

DRAINAGE AREA.--67.8 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

Date	Time	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, deg C (00020)	UV absorb-ance, 254 nm, /cm (50624)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, unfltrd water, field, std units (00400)	Specif-ic conduc-tance, wat unf field, µS/cm @ 25 degC (00095)	Temper-ature, water, deg C (00010)	Turbdty white light, 90+/-30 deg C (63676) NTRU	Depth of sensor below water surface feet (72147)	Sulfate water, fltrd, mg/L (00945)	Mercury water, unfltrd ng/L (50286)
Jul													
07...	1145	756	29.0	.313	--	--	6.0	42	--	6.8	--	3.83	2.64
07...	1146	756	--	--	3.8	40	--	--	21.1	--	5.50	--	--
07...	1147	756	--	--	7.2	83	--	--	22.4	--	3.00	--	--
07...	1148	756	--	--	7.7	89	--	--	23.3	--	.50	--	--
Aug													
18...	1115	764	34.0	.559	--	--	5.5	42	--	6.2	--	3.5	5.89
18...	1116	764	--	--	4.6	54	--	--	21.8	--	5.50	--	--
18...	1117	764	--	--	5.4	63	--	--	22.6	--	3.00	--	--
18...	1118	764	--	--	6.0	71	--	--	24.8	--	1.00	--	--

01409495 BATSTO LAKE AT BATSTO, NJ—Continued**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008
TO SEPTEMBER 2009**

Part 2 of 2

Date	Methyl- mercury water, fltrd, ng/L (50285)	Organic carbon, water, fltrd, mg/L (00681)
Jul		
07...	.28	6.1
07...	--	--
07...	--	--
07...	--	--
Aug		
18...	.57	11.2
18...	--	--
18...	--	--
18...	--	--