

**Snapshot Day 10/7/08 Data  
(Salt Front RM 63.4)  
RIVER MILE 13**

**Bloomers Beach @ Engelwood Boat Basin**

**Kirk Weber – Meadowlands Environmental Center**

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**Location:** Bloomers Beach – north end

**Area:** sandy beach, banks altered, with rip rap sections, wood bulkhead, collected wood/debris in area, piping approx. 30” located at sampling site

**Surrounding Land Use:** 20% urban/residential; 40% forested; 20% beach; 20% Industrial/commercial

**Bottom:** sandy & muddy

**Plants in area:** none in the water

**Water Depth:** 4 feet 1 inch

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	9:45 AM	60°F		
	10:30 AM	66°F		
Wind Speed	7-10 knots		SE	
Cloud Cover	clear			
Weather today	No precipitation			
Weather recently	Normal winds & temps., rain negligible (<.25 inches)			
<b><i>Water</i></b>	Calm			
<b><i>Water Temperature</i></b>	9:40 AM	17 °C 17.7°C 17.8°C	62.6 °F 63.9°F 64 °F	17.5°C 64°F
	10:35 AM	17.7 °C 17.8°C 16.9°C	63.9.°F 64°F 62 °F	17.5°C 63.4°F
	11:30 AM	17.8°C 18°C 17.9 °C	64 °F 64.4 °F 64.2 °F	17.9°C 64.2°F
<b><i>Turbidity - secchi</i></b>	10:43 AM	2 ft. 5 inch 2 ft 4 inch 2 ft. 5 inch		2 ft. 5 inch
<b><i>Chemical</i></b>				
<b><i>Chlorophyll</i></b>	10:30 PM	0.3		
DO – ampules	10:15AM	7.3 mg/L	17.5° C	75% saturated
pH – indicator sol.	10:05 AM	7.5 7.5 7.6		7.5 avg.
Phosphate	n/a			

Nitrate				
Alkalinity				
Salinity (hydrometer)	9:50 AM	10 ppt 10 ppt 8 ppt		9.3 ppt average
<b><i>Fish Catch</i></b>	<b>Count</b>	<b>Fish</b>	<b>Count</b>	<b>Macros</b>
14 ft. X 3 ft seine – pulled 20 ft.	11	Atlantic Silverside	2	Grass Shrimp
3/16 inch mesh	1	Striped Bass	1	Mud Crab
	2	Barnacles	2	Blue Crabs
			2	Comb Jellies
Seine #1	10:00 AM	6 fish	20 ft pull	.070
Seine #2	11:00 AM	7 fish	20 ft pull	.082
Seine #3	12:00 PM	8 fish	20 ft pull	.094
<b><i>Tides</i></b>	10:55 AM	107 cm	rising	
	11:55 AM	125 cm	rising	
<b><i>Currents</i></b>	• due to local conditions an accurate measurement of the current & not be obtained. There appeared to be a slight current in the channel.		Flood	North
<b><i>Core – 10:10 AM 4 ft. water depth</i></b>	12 cm total	Top layer 2 cm – light brown	Second layer 10 cm – nearly black	
<b><i>Boats</i></b>	None			
<b><i>Other Observations</i></b>				