

**Snapshot Day 10/14/10 Data  
(Salt Front RM 36)  
RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County  
Donna Nageli, George Washington Elementary School – 4<sup>th</sup> & 5<sup>th</sup> grade – 49 students**

**Location:** Esopus Meadows Preserve Town of Esopus. Ulster County  
**Area:** A path along the beach with rising forested hills and yard with house and driveway  
**Surrounding Land Use:** Forested 80%, Beach 20%  
**Sampling Site:** Rocky shallow, sloping beach area covered with vegetation  
**Water depth:** 2 ft.  
**River Bottom** –rocky muddy weedy  
**Plants in area:** Plants in less than half sample area - 100% are water chestnut

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:00 AM	54°F 12°C		
	11:00 AM	56°F 15°C		
	12:00 PM	61°F 16°C		
Wind Speed	1 Beaufort	1-3 kts	East wind	
Cloud Cover	Partly cloudy		Water Calm	
Weather today	Increasing clouds all day. Heavy fog then clear skies. By 1100 cirrostratus clouds had moved in, giving way to cirrocumulus by 12:30 PM By 1:30 complete cloud cover.			
Weather recently	Fair weather			
<b><i>Water Temperature</i></b>	10:00 AM	14°C 57 °F	14°C 57 °F	14°C 57 °F
	11:00 PM	14°C 57 °F	14°C 57 °F	14°C 57 °F
	12:00 PM	15°C 60°F	15°C 60 °F	15°C 60°F
	12:30 PM	15°C 59 °F	15°C 59 °F	15°C 59 °F
<b><i>Water calm</i></b>	yes			
<b><i>Turbidity - Short Turbidity tube</i></b>	10:00 AM	50 JTU		
Long site Tube	10:30 AM	23 cm		
<b><i>Chlorophyll</i></b>	9:45 AM	.7		
<b><i>Chemical</i></b>				

DO (drop count kit)	10:00 AM	11.0 mg/L	14°C	110%
pH Indicator sol.	11:30 AM	7.5 7.5 6.5		7.3 average
Salinity				
<b><i>Fish Catch</i></b> <i>25 ft. X 4 ft. X ¼ inch mesh - 30 ft pull 4 seines run</i>	<b><i>Number Caught</i></b>	<b><i>Species – total count 110</i></b>	<b><i>CPUE</i></b>	<b><i>Seine</i></b>
	1	Eel		#1 – 3 Species 16 count
	12	Spottail Shiner		
	3	Killifish		
	1	Yellow Perch		#2 – 6 Species 25 count
	13	Spottail Shiner		
	6	Killifish		
	3	Striped Bass		
	1	Sticklebuck		
	1	Darter		
	21	Spottail Shiner		#3 – 4 Species 47 count
	1	Killifish		
	23	Herring		
	2	Bluegill		
	1	Pumpkin Seed		#4 – 3 Species 32 count
	17	Herring		
	14	Spottail Shiner		
	Many~ 40	scuds		
<b><i>Tides</i></b>	10:00 am	Falling		
	10:30 am	Falling		
	11:00 am	Falling		
	11:30 AM	Falling		
	12:30 PM	Falling		
<b><i>Currents</i></b>	<b><i>Time</i></b>	<b><i>North/South</i></b>	<b><i>Ebb/Flood</i></b>	
	10:00 AM	N (S)	Ebb	
	11:00 AM	S (S)	E	
	12:00 PM	S (S)	E	
	1:00 PM	S (S)	E	
<b><i>Traffic</i></b>	10:15 AM	Tug/Barge	NB	Light/oil