

**Snapshot Day 10/18/11 Data  
(Salt Front RM 35.7)  
RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County  
Donna Nageli, Anna Devine Elementary School – 4<sup>th</sup> grade – 29 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 85%, Beach 10%, 5% other

**Sampling Site:** Rocky shallow, sloping beach area covered with vegetation

**Water depth:** 2 ft.

**River Bottom** –rocky & muddy

**Plants in area:** Plants in 30% of the sample area - 100% are water chestnut

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	60°F 15°C		
	11:00 AM	61°F 16°C		
Wind Speed	1 Beaufort	1-3 mph	SE	
Cloud Cover	Mostly cloudy		Water Calm	
Weather today	80% cloud cover until sun came out at 1215			
Weather recently	Fair weather			
<i>Water Temperature</i>	10:00 AM	15°C 60 °F		
	10:30 AM	16°C 61 °F		
	11:00 AM	16°C 61°F		
<i>Water calm</i>	yes			

<b>Turbidity -</b> Long Turbidity tube	10:00 AM	31 35 32	Average 33 cm	
<b>Chlorophyll</b>	1:30 PM	2.0		
<b>Chemical</b>				
DO (drop count kit)	10:00 AM	9.0 mg/L	60°F 15.55°C	90%
pH Indicator sol.	10:00 AM	7.5 7.5 7.5		7.5 average
Salinity				
<b>Fish Catch</b> 25 ft.X 4 ft. X ¼ inch mesh - 30 ft pull 6 seines run	<b>Number Caught</b>	<b>Species – total count 110</b>	<b>CPUE</b>	<b>Seine</b>
	1	Eel	17 cm	
	22	Spottail Shiner	7 cm	
	16	White Perch	14 cm	
	3	Yellow Perch	30 cm	#2 – 6 Species 25 count
	28	Sunfish	18 cm	
	1	Stickleback	2cm	
	3	Striped Bass	8 cm	
	34	Herring	6 cm	#3 – 4 Species 47 count
	1	Smallmouth Bass	7 cm	
	1	Bullhead	6 cm	
<b>Tides</b>	10:00 am	Falling		
	10:30 am	Falling		
	11:00 am	Falling		
	11:30 AM	Falling		
	12:00 PM	Falling		
	12:30 PM	Falling		
	12:50 PM	Rising		
	1:00 PM	Rising		
<b>Currents</b>	<b>Time</b>	<b>North/South</b>	<b>Ebb/Flood</b>	
<b>Traffic</b>	11:30 AM	American Cruise Line	SB	Loaded/people
	12:35 PM	Tug & Barge	NB	Loaded/oil