

**Day in the Life of the Hudson River 10/10/13 Data**  
**(Salt Front RM 69.3)**  
**RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County**  
**Donna Nageli, Anna Devine Elementary School – 4<sup>th</sup> grade – 54 students, 4 adults**

**Location:** Esopus Meadows Preserve Town of Esopus. Ulster County

**Area:** A path along the beach with rising forested hills

**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:**

<i><b>ITEM</b></i>	<i><b>Time</b></i>	<i><b>Reading 1</b></i>	<i><b>Reading 2</b></i>	<i><b>Comments</b></i>
<i><b>Physical</b></i>				
Air Temperature	10:10 AM	14°C 59 °F	10:57 AM	14°C 57 °F
Wind Speed	Beaufort	#2	4-7 mph	ENE
Cloud Cover	Mostly cloudy	No rain		
Weather today	Cloudy and threats of rain			
Weather recently	Fair			
<i><b>Water Temperature</b></i>	10:15 AM	18°C 61 °F		
	10:50AM	15°C 60 °F		
	11:15 AM	15°C 60°F		
<i><b>Water calm</b></i>	yes			
<i><b>Turbidity - Long Turbidity tube</b></i>	10:57AM	17 cm 10	Average 13.5 cm	
<i><b>Chlorophyll</b></i>	1:30 PM	2.0		
<i><b>Chemical</b></i>				
DO (drop count kit)	10:15 AM	11.0 mg/L	18°C	115%
pH Indicator sol.	12:41 PM	7.5 7.5 7.5		7.5 average
Salinity				
<i><b>Fish Catch</b></i> 25 ft. X 4 ft. X ¼ inch mesh –	<i><b>Number Caught</b></i>	<i><b>Species</b></i>	<i><b>CPUE</b></i>	<i><b>Seine</b></i>

<b>Total of 10 seines</b>	5	y-oy		
	<b>1</b>	<b><i>pipefish</i></b>		<b><i>*brackish fish</i></b>
<b>Diversity - 8</b>	9	White perch		
<b>Total Catch -28</b>	3	Bluegill sunfish		
	4	Herring		
	4	Striped Bass		
	1	Eel		
	<b>1</b>	<b><i>Asian weatherfish</i></b>		<b><i>*invasive fish found in the Esopus Creek</i></b>
<b>Tides</b>	10:10 am	Falling		
	10:42 am	Falling		
	10:57 am	Falling		
	12:38 PM	Falling		
	12:55 PM	Unchanged		
<b>Currents</b>	<b>Time</b>	<b>North/South</b>		
<b>Traffic</b>	10:15 AM	Tug & barge	N	loaded