

**Day in the Life of the Hudson River 10/16/14 Data  
(Salt Front RM 65.9)  
RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County  
Donna Nageli, Anna Devine Elementary School – 4<sup>th</sup> grade – 44 students, 8 adults**

**Location:** Beach Lighthouse Park, 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>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:18 AM	24°C 80 °F	10:36 AM	24°C 79 °F
	12:17 PM	25°C 81 °F		
Wind Speed	10:36 AM	Beaufort	#2	SW
Cloud Cover	overcast	>75% cover		
Weather today	Cloudy and threats of rain			
Weather recently	Fair			
<b><i>Water Temperature</i></b>	10:15 AM	18°C 61 °F		
	10:50AM	15°C 60 °F		
	11:15 AM	15°C 60°F		
<b><i>Water calm</i></b>	yes			
<b><i>Turbidity - Long Turbidity tube</i></b>	10:10AM	15 cm 15 20	Average 16.67 cm	
<b><i>Chlorophyll</i></b>				
<b><i>Chemical</i></b>				
DO (drop count kit)	11:00 AM	8.0 mg/L	15°C	78%
pH Indicator sol.	12:50 PM	7.5 7.5 7.5		7.5 average
Salinity				
<b><i>Fish Catch</i></b>	<b><i>Number</i></b>	<b><i>Species</i></b>	<b><i>CPUE</i></b>	<b><i>Seine</i></b>

<i>25 ft. X 4 ft. X 1/4 inch mesh –</i>	<b>Caught</b>			
	1	Goldfish		
<b>Diversity - 7</b>	1	Common Carp		
<b>Total Catch -317</b>	1	Black Crappie		
	10	White Perch		
	300 +	Herring (yoy)		
	3	Golden Shiner		
	1	Bullhead		
<b>Tides &amp; Current</b>	10:18 am	Falling	Ebb current	
	10:36 am	Falling	Ebb current	
	12:17 PM	Falling	Ebb current	
	13:02 PM	Falling	Ebb current	
<b>Traffic</b>	10:15 AM	Tug & barge	N	loaded