

**Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County
Donna Nageli, Anna Devine Elementary School – 4th grade – 36 students, 3 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>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed				
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>	10:15 AM	17°C 63 °F		
	10:45 AM	18°C 65 °F		
	11:15 AM	18°C 65°F		
	11:45 AM	18°C 65°F		
<i>Water calm</i>	yes			
<i>Turbidity - Long Turbidity tube</i>	10:00 AM	10 cm 5 8	Average 7.2 cm * most sites reported increased visibility this year of 2011, this site dropped visibility significantly (2011- avg. 33 cm)	
<i>Chlorophyll</i>	1:30 PM	2.0		
<i>Chemical</i>				
DO (drop count kit)	10:45 AM	11.0 mg/L	18°C	115%
pH Indicator sol.	10:15AM	7.5 7.5 7.5		7.5 average
Salinity				
<i>Fish Catch</i> 25 ft. X 4 ft. X ¼	<i>Number Caught</i>	<i>Species – total count</i> 110	<i>CPUE</i>	<i>Seine</i>

<i>inch mesh -</i>				
<i>10:15-11:15 AM</i>	10	Spottail Shiner		
	24	Sunfish		
Diversity - 8	20	Killifish		
Total Catch -77	1	Yellow Perch		
	1	Goldfish		
	2	White Perch		
	1	Bullhead		
	18	Blue Claw Crab		
Tides	10:15 am	Falling		
	10:45 am	Rising		
	11:15 am	Rising		
	11:45 AM	Rising		
	12:15 PM	Rising		
Currents	Time	North/South		
Traffic	9:45 AM	Oilbarge	SB	Loaded/oil?
	11:15 AM	Barge	NB	Loaded/sand
	12:00 PM	Tour boat	SB	Loaded/leaf peepers!