

**Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 87**



**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County
Donna Nageli, Robert Graves Elementary School – 4th grade – 44 students, 7 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>
<i>Physical</i>				
Air Temperature	10:27AM	13°C 55 °F	11:00 AM	14°C 59 °F
	12:45 PM	16°C		

		60 °F		
Wind Speed	10:17 AM	Beaufort #2	4-6 kts	S
Cloud Cover	10:17 AM	>75% cover	Overcast	
Weather today	No rain			
Weather recently	Cool			
Water Temperature	10:17 AM	15°C 55 °F		
	10:45AM	16°C 60 °F		
	11:09 AM	15°C 57°F		
Water				
Turbidity - Long Turbidity tube	12:45 PM	30 cm 30 30	Average 30 cm	
Chemical				
DO (drop count kit)	12:45 PM 1:03 PM	12.0 mg/L 11.0 mg/L	15°C 15	>100% >100%
pH Indicator sol.	11:00 AM 12:45 PM 1:03 PM	7.5 7.5 7.2	7.5 7.5 7.2	
Salinity	NR			
Fish Catch 25 ft.X 4 ft. X ¼ inch mesh –	Number Caught	Species	CPUE	Seine
Currents	10:17 am	Ebb current		
	10:45 am	Ebb current		
	11:09 am	Ebb current		
	12:54 PM	Ebb current		
Traffic	10:17 AM 11:09 AM 12:54 PM	Oil barge Oil Barge Oil Barge	S S N	Light Light Light