

**Day in the Life of the Hudson River 10/12/17 Data  
RIVER MILE 87  
(Salt Front ~ RM 65)**



**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County  
Donna Nageli, Robert Graves Elementary School – 4<sup>th</sup> grade – 45 students, 5 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	10:28 AM	16°C 61 °F		

	10:38 AM	16°C 61 °F		
	12:16 PM	16°C 62 °F		
Wind Speed	10:08 AM	Beaufort #1		NE
Cloud Cover	10:08 AM	Partly cloudy		
Weather today	No rain			
Weather recently	Very warm (mid 80s) and dry			
<b>Water Temperature</b>	10:20AM	18°C °F		
<b>Water</b>	Calm			
<b>Turbidity - Long Turbidity tube</b>	10:20 AM	47 cm 45 45	Average 46 cm	
<b>Chemical</b>				
DO (drop count kit)	11:57 AM	7 mg/L	18°C	>70%
pH Indicator sol.	10:20 AM	7.5 X 3	7.5 average	
Salinity	NR			
<b>Fish Catch</b> <i>25 ft. X 4 ft. X ¼ inch mesh</i>	<b>Number Caught</b>	<b>Species</b>	<b>Seine</b> <i>~30 ft. pulls</i>	
	6	<i>Banded Killi</i>		<b>Fish Div. 10</b>
	1	<i>Catfish</i>		<b>Fish Total 264</b>
	>200	<i>herring</i>		
	13	<i>White Perch</i>		
	15	<i>Shiner</i>		
	4	<i>Bullhead</i>		
	9	<i>Spottail Shiner</i>		
	1	<i>Black Crappie</i>		
	6	<i>Sunfish</i>		
	9	<i>Striped Bass</i>		
<b>Macrinvertebrates</b>	1	<i>Blue Crab M</i>	<b>Macro Div. 1</b>	<b>Total 1</b>
<b>Tides</b>	10:08 AM	Falling		
	10:38 AM	Falling		
	11:13 AM	Falling		
	12:16 PM	Falling		
<b>Currents</b>	10:08 AM	Ebb		
	10:38 AM	Ebb		
	11:13 AM	Ebb		
	12:16 PM	Ebb		
<b>Traffic – commercial</b>	13:25 PM	Moran/ red	Light	Southbound