

Day in the Life of the Hudson River 10/20/16 Data

RIVER MILE 87

(Salt Front ~ RM 83)

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County
Donna Nageli, Robert Graves Elementary School – 4th grade – 25 students, 3 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>
Physical				
Air Temperature	11:30 AM	16°C 61 °F		
	1:05 PM	20°C 67 °F		
Wind Speed	11:30 AM	Beaufort #1	1-3 mph	NE
Cloud Cover	no	clear		
Weather today	No rain			
Weather recently	Very warm (mid 80s) and dry			
Water Temperature	11:09 AM	17°C 63 °F	17°C 63 °F	
	12:15 PM	18°C 60 °F	18°C 60 °F	
Water	Calm			
Turbidity - Long Turbidity tube	10:07 AM	38 cm	Average 38 cm	
	12:51 PM	29, 25 cm	Average 27 cm	
Chemical				
DO (drop count kit)	10:07 AM	10.0 mg/L	17°C	>100%
pH Indicator sol.	11:09 AM	7.5 X 3	7.5 average	
Salinity	NR			
Fish Catch 25 ft. X 4 ft. X ¼ inch mesh	Number Caught	Species	Seine ~30 ft. pulls	
	13	Banded Killi		Fish Div. 7
	4	Bullhead		Fish Total 55
	1	Tesselated		

		<i>Darter</i>		
	13	<i>Sunfish</i>		<i>Macro Div. 1</i>
	22	<i>Carp</i>		<i>Total 7</i>
	1	<i>Goldfish</i>		
	2	<i>Spottail Shiner</i>		
	7	<i>Blue Crab</i>		
<i>Tides</i>	9:58 AM	Falling		
	10:30 AM	Falling		
	1:05 PM	Rising		
<i>Currents</i>	Esopus Meadow shoreline is very shallow flats where current is difficult to determine and is different from the main stem of the river.			
<i>Traffic – commercial</i>	9:00 AM	Container boat & barge	N - Loaded	Flammable
	12:00 PM	UBC Seattle	S – loaded	Loaded
	12:35 PM	Barge & white tug	S - light	Flammable
<i>Other Items</i>	Nuthatch, gulls, bald eagle, goose, waxwings, cormorants			