

**Day in the Life of the Hudson River 10/10/13 Data**  
**RIVER MILE 55**  
**Little Stony Point**

**Pete Salmansohn, Andrea Maasik, of the Hudson Highlands Land Trust**  
**Mark Patinella, Leah Horn additional teachers/chaperones,**  
**18 Haldane Middle (8<sup>th</sup>) & 20 High (12<sup>th</sup>) Schools total 38 students**  
**41°N - 73°W**



**Location:** Little Stony Point beach, Cold Spring, Putnam County  
**Area:** On the beach at Little Stony Point, facing Beacon across from Storm King  
**Surrounding Land Use:** 100% forested & beach  
**Sampling Site:** beach area, concrete, docking  
**Plants in area:**  
**Water depth:**  
**River Bottom** –sandy

**SAMPLING TIMES 9AM to 1PM**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:00 AM 10:30 AM 11:18 AM 12:02 PM	10°C 12.8°C 8.9 °C 12.2 °C		
Wind Speed	10:00 AM 10:30 AM 11:18 AM 12:02 PM	17-21 kts 11-16 kts 17-21 kts 11-16 kts	Cloudy Cloudy Light rain cloudy	
Cloud Cover	Overcast			
Weather today	Overcast, drizzle rain			
Weather recently	Fall like			
<b><i>Water</i></b>				

<i>Water Temperature</i>	10:00 AM 10:30 AM 11:18 AM 12:02 PM	14°C 20.2 20.5 18		
<i>Turbidity –</i>	10:00 AM 10:30 AM 11:18 AM 12:02 PM	100 JTU 40 JTU 55 JTU 110 JTU		
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (ampules)	10:00 AM 10:30 AM 11:18 AM 12:02 PM	8 mg/L 7 8 7	14°C 20.2 20.5 18	85% saturated 75 75 70
pH	10:00 AM 10:30 AM 11:18 AM 12:02 PM	8 8 8 8		
Salinity – quantabs	10:00 AM 10:30 AM 11:18 AM 12:02 PM	8.4 quantab # 9.0 quantab # 8.8 quantab # 8.2 quantab #	ppm Cl-	ppm total salinity
<i>Fish &amp; Crab Catch</i>	<i>Time</i>	<i>Species</i>	<i>Number</i>	<i>Size</i>
<b>Diversity- 3</b>	10:00 AM	White Perch	1	4 inches
<b>Totals - 4</b>		Darters	2	
		Blue Crab	1	Male
<b>Diversity- 3</b>	10:30 AM	Striped Bass	1	2.5 inches
<b>Totals - 2</b>		Blue Crab	1	Male
<b>Diversity – 6</b>	11:18 AM	White perch	8	7.5 inches
<b>Totals - 15</b>		Killifish	1	
		Pumpkin seed	2	
		American eel	1	
		Darter	2	
		Blue Crab	1	Male
<b>Diversity- 4</b>	12:02 PM	Darter	1	
<b>Totals - 4</b>		Smallmouth Bass	1	
		Blue Gill	1	
		Blue Crab	1	Male
<b>2</b>	<b>TOTAL</b>	<b>DIVERSITY - 9</b>	<b>NUMBERS</b>	<b>25</b>
<i>Tides</i>	10:00AM 10:30AM 11:18AM 12:02PM	19 cm 22 cm 38 cm 47 cm	Rising	
<b>Currents</b>	<b>Time</b>	<b>Cm/30 sec</b>	<b>Cm/Sec</b>	
	10:00 AM	70cm/sec	2.3 cm/sec	

	10:30 AM 11:18 AM 12:02 PM	97 cm/sec 95.4 cm/sec 247 cm/sec		3.2 cm/sec 3.2 cm/sec 8.2cm/sec	
<b><i>Core Description</i></b>	<b><i>Length</i></b>	<b><i>Rare</i></b>	<b><i>Common</i></b>	<b><i>Abundant</i></b>	<b><i>Notes</i></b>