

Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 55
Little Stony Point
Pete Salmansohn, Andrea Maasik, of the Hudson Highlands Land Trust
Mark Patinella, Leah Horn additional teachers/chaperones,
30 Haldane Middle (7th) and 5 chaperones
41°25'N - 73°58'W

Location: Little Stony Point beach, Cold Spring, Putnam County

Area: On the beach at Little Stony Point, facing Beacon across from Storm King, swimming, picnics, boating, jogging and fishing are main uses

Surrounding Land Use: 80% forested & 20% beach

Sampling Site: beach area, concrete, docking with pier

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>
<i>Physical</i>				
Air Temperature	9:50 AM 10:00 AM 10:33 AM 11:33 AM	10°C 10°C 10°C 11.7°C	50 °F 50 °F 50 °F 53 °F	
Wind Speed	9:50 AM	Beaufort 1		
Cloud Cover	9:50 AM 10:00 AM 10:33 AM 11:33 AM 12:00 PM	Mostly cloudy Mostly cloudy Partly cloudy Partly cloudy Partly cloudy		
Weather today	No rain			
Weather recently	Fall like, cool			
<i>Water</i>	NR			
<i>Water Temperature</i>	9:50 AM 10:00 AM 10:33 AM 11:33 AM	15.6°C 15.6 15.6 15.6	60 °F 60 °F 60 °F 60 °F	
<i>Turbidity –</i>	9:50 AM 10:00 AM 10:33 AM 11:33 AM	2.5 ml std turbid 1 ml 1.5 ml 1.5 ml		
<i>Chemical</i>				
DO (ampules)	9:50 AM 10:00 AM 10:33 AM	9 mg/L 7 8	15.6°C 15.6 15.6	90% saturated 75% 80%

	11:33 AM 12:00 PM	8	15.6	80%	
pH – wide range pH strips	9:50 AM 10:00 AM 10:33 AM 11:33 AM 12:00 PM	6.5 6.5 6.5 6.5			
Salinity – quantabs -LR	NR				
<i>Fish & Crab Catch</i>	<i>Time</i>	<i>Species</i>	<i>Number</i>	<i>Size of Largest</i>	
Diversity-7		White Perch	4	13 cm	
Totals - 13		Catfish	1	8 cm	
		Tessellated Darter	1	5 cm	
		Goby	2	8 cm	
		Hog Choker	3	4 cm	
		Pumpkinseed sunfish	1	8 cm	
		Spottail Shiner	1	NR	
Macroinvert		Bluecrabs (Female)	2		
Div = 2		Crabs (Male)	2		
Totals 4					
<i>Tides – tide stick</i>	9:50 AM 10:00 AM 10:33 AM 11:33 AM 12:00 PM	2 cm 2 cm 8.5 cm 12 cm 8.5 cm	Still Rising Rising Rising		
Currents	Time	Cm/sec	kts		
	9:50 AM 10:33 AM	24.6 cm/sec 23.9 cm/sec		Flood	
<i>Core Description</i>	<i>Length</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>	<i>Notes</i>
<i>Traffic</i>					
<i>Other Observations</i>					