

**Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE 55
Little Stony Point**

**Pete Salmansohn & Lisa Mechaley of the Hudson Highlands Land Trust
Mark Patinella, Haldane High School
24 students - 12th grade AP Bio**

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: 15 % urban./residential; 65% forested, 5% beach; 10% Industrial/Commercial; 5% other

Sampling Site: beach area, bulkhead

Plants in area: water chestnuts have washed up onshore but no vegetation in water

Water depth:

River Bottom –sandy, rocky, muddy

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	9:10 AM	12°C 55°F	9:55 AM	10°C 50°F
	10:43 AM	9°C 49°F		
Wind Speed	2 Beaufort	4-6 kts		NW
Cloud Cover	Partly cloudy			
Weather today	Overcast, cool			
Weather recently	Mon sunny & warm; Tues light morning rain; Wed. clear and sunny			
<i>Water</i>	Water calm			
<i>Water Temperature</i>	15°C 61°F	15°C 61.6°F	16°C 60°F	
<i>Water</i>	Choppy			
<i>Turbidity – short site tube</i>		6 JTU 9 JTU 60 JTU	25 average JTU	(wide range in readings)
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (ampules)	7.27 mg/L	15°C	75% saturated	
pH		7 7 7.5		7.16 average
Phosphate	9:55 AM	0 0.1		Average zero

		0		
Nitrate		4.4 4.4		4.4 ppm average
Salinity - quantabs Test strips		28 ppm chloride 28 28	35 ppm salinity	
<i>Fish Catch 9-9:30 AM</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
Seine net 20 feet , X 4 ft. X 50 yrd pull				
1 pull	20	Herring		
	3	Banded Killifish		
	2	White Perch		
	4	Striped Bass		
	2	Blue Claw Crab		
<i>Tides</i>	9:15 AM	Falling	33 cm	
	9:54 AM	Falling	39 cm	.153 cm/min
	11:00 AM	Falling	46 cm	.106 cm/min
<i>Currents (no time listed)</i>				
<i>Core Description</i>	<i>Length</i>	<i>Common</i>	<i>Abundant</i>	<i>Notes</i>
<i>10:05 AM</i>	6 inches, no oxidized top	Sand	Mud, Leaves, Wood	Dead leaves, rotting wood
<i>9:52 AM</i>	Sailboat	Northbound		