

**Snapshot Day 10/14/11 Data  
(Salt Front RM 35.7)**

**RIVER MILE 55**

**Little Stony Point**

**Lisa Mechaley of the Hudson Highlands Land Trust**

**Mark Patinella, & 5 additional teachers/chaperones, Haldane High School**

**28 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:** 100% forested & beach

**Sampling Site:** beach area, bulkhead

**Plants in area:** no vegetation in water

**Water depth:** 45 cm

**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>
<b><i>Physical</i></b>				
Air Temperature	9:44 AM	12°C 52°F		
	10:52 AM	16°C 60°F		
Wind Speed	1 Beaufort	1-3 kts		SW
Cloud Cover	Partly cloudy			
Weather today	Overcast. No rain, sunnier as day went on			
Weather recently	Some rain one night, during the day sunny, temp. mid 60s			
<b><i>Water</i></b>	Water calm			
<b><i>Water Temperature</i></b>	10:14 AM	14°C 58°F	11:00 AM	16°C 61°F

<b>Water</b>	Choppy				
<b>Turbidity – short site tube</b>					
<b>Chlorophyll</b>	9:37 AM	0.7			
<b>Chemical</b>					
DO (ampules)	10:07 AM	7.8 mg/L	15°C	80% saturated	
pH	10:14AM	6.75		6.75 average	
Phosphate					
Nitrate					
Salinity - quantabs	1.0		35 ppm chloride	63.23 ppm total salinity conversion	
Test strips	.8				
	.8				
<b>Fish Catch 9-9:30 AM</b>	<b>Number Caught</b>	<b>Species</b>	<b>CPUE</b>	<b>Seine</b>	
Seine net 100 feet , X 4 ft. X 50 yrd pull					
1 pull	200	Herring	1.5 inch		
	2	Banded Killifish			
	1	White Perch			
	2	Hog Choker			
	2	Bullhead Catfish			
	1	Pumpkinseed			
	some	Tessellated darters			
	1	White catfish			
	1	Smallmouth bass	2 inch		
	2	Spottail shiners	4-5 inch		
<b>Tides</b>	9:15 AM	Falling	33 cm		
	9:54 AM	Falling	39 cm	.153 cm/min	
	11:00 AM	Falling	46 cm	.106 cm/min	
<b>Currents</b>	Time	Cm/60 secs	Cm/sec	Knots	North/South Ebb/Flood/Still
	9:33 AM	1520	25.3	0.49	N Flood
	9:45 AM	1130	18.8	0.37	NE Still
	10:20AM	520	8.6	0.16	NE still
	10:45AM	430	7.1	0.14	Flood
	10:52AM	900	15	0.29	Flood
	11:22AM	1100	18.3	.3	Flood
<b>Core Description</b>	<b>Length</b>	<b>Common</b>	<b>Abundant</b>	<b>Notes</b>	
<b>9:52 AM</b>	Barge-	Ivy	Northbound		
<b>11:30 AM</b>	Helicopter		Southbound		