

**Day in the Life of the Hudson River 10/29/14 Data
(Salt Front RM 65.3)**

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 6 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	Not recorded			
Wind Speed	9:45 AM 10:20 AM 10:50 AM	Beaufort 1 Beaufort 1 Beaufort 1	South	Overcast Mostly cloudy Mostly cloudy
Cloud Cover	Overcast			
Weather today	No rain			
Weather recently	Fall like, some rain			
<i>Water</i>	calm			
<i>Water Temperature</i>	10:19AM 10:53 AM 1:50 PM	15°C 15 15		
<i>Turbidity –</i>	10:27 AM 10:28 AM	50 JTU 70 JTU		
<i>Chemical</i>				
DO (ampules)	10:19AM 10:53 AM 1:50 PM	8 mg/L 8 7	15°C 15.5 15	80% saturated 80% 68%
pH – wide range pH strips	10:19AM 10:53 AM 1:50 PM	7-8 8 8		
Salinity – quantabs -LR		1.4 reading	35 ppm Cl-	81 ppm total salinity
<i>Fish & Crab Catch</i>	<i>Time</i>	<i>Species</i>	<i>Number</i>	<i>Size</i>

Diversity-6	Group 1	White Perch	1		
Totals - 29		Hogchoker	2	1 inch	
		Tessellated Darter	10	2 inch	
		Spottail Shiner	10	2.5 inch	
		Catfish	5	1.5 inch	
		Herring	1		
Diversity- 4	Group 2	White Catfish	2	2.5 inch	
Totals - 12		Spottail Shiner	6	4 inch	
		Pumpkin Seed Sunny	2	3 inch	
Plus 1 crab		Tessellated Darter	2	3 inch	
		Blue Crab	1	1.5 inch	
Diversity - 2	Group 3	White Perch	2		
Totals - 27		Herring	25		
Plus 3 crab		Blue Crab	3		
GRAND	TOTAL	DIVERSITY – 7 fish + 1 crab	NUMBERS	68 fish + 4 crab	
Tides – tide stick	9:54 AM 10:28 AM 10:57 AM	50 cm 40 cm 50 cm	Set Falling Rising		
Currents	Time	Cm/sec	kts		
	9:59 AM 10:36 AM 10:46 AM	19.7 cm/sec 21.6 cm/sec 13.5 cm/sec	0.38 kts 0.42 kts 0.26 kts	Flood Flood Flood	
Core Description	Length	Rare	Common	Abundant	Notes
Group1			Mud	Sand Gravel Pebbles	
Group 2		Mud Pebbles		Sand Gravel	
Group 4		Mud	Sand Gravel	Pebbles	
Group 3	Unable to do this rotation				
Traffic	None observed				
Other Observations	Water chestnut seeds, rocks, sand, grass, shells, birds, insects, driftwood, birds and squirrels				