

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 55
Little Stony Point
Lisa Mechaley of the Hudson Highlands Land Trust
Mark Patinella, Leah Horn & 3 additional teachers/chaperones,
Haldane Middle (6th) & High (12th) Schools total 44 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: no vegetation in water
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>
<i>Physical</i>				
Air Temperature	9:55 AM 10:15 AM	21.8°C 21.8	71°F 71	
Wind Speed	1 Beaufort	1 kts	1 mph	NW
Cloud Cover	Overcast			
Weather today	Overcast, drizzle rain			
Weather recently	Rain, humid			
<i>Water</i>	Water calm			
<i>Water Temperature</i>	AM	°C °F	AM	°C °F
<i>Water</i>	Choppy			
<i>Turbidity –</i>				
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (ampules)	10:11AM	7.3 mg/L	°C	90% saturated
pH	10:00AM	6.8		6.75 average
Phosphate				
Nitrate				
Salinity – drop count kit	10:00 AM	0.043	261 ppm Cl-	472 ppm total salinity
<i>Fish Catch</i>	<i>Time</i>	<i>Species</i>	<i>Number</i>	<i>Size</i>
	9:15 AM	Hog choker	1	1.0 inch
Diversity- 5		Blue crab	2	0.5 inch
Totals - 14		Small mouth bass	1	1.0 inch
		White perch	8	5.0 inch
		Pumpkin seed	2	4.0 inch

	9:45 AM	Pumpkin seed		1	5.5 inch
Diversity- 4		Blue Crab		4	3.0 inch
Totals - 9		Minnows		3	2.0inch
		White Perch		1	3.0 inch
Diversity- 2	10:30AM	Pumpkin seed		1	3.0 inch
Totals - 2		White perch		1	3.0 inch
	11:15AM	Striped bass		5	4.0 inch
Diversity- 5		Pumpkin seed		1	4.0 inch
Totals - 11		Blue crab		2	Baby
		Hog choker		1	3.0 inch
		White perch		2	4.0 inch
	TOTAL	DIVERSITY - 6		NUMBERS	36
Tides	9:19AM	rising		2.5 ft.	
Currents	Time	Cm/60 sec	Cm/sec	<i>Knots</i>	<i>North/South Ebb/Flood/Still</i>
	9:29 AM	230cm/60 sec	3.83 cm/sec	0.074	N Flood
Core Description	Length	Rare	Common	Abundant	Notes