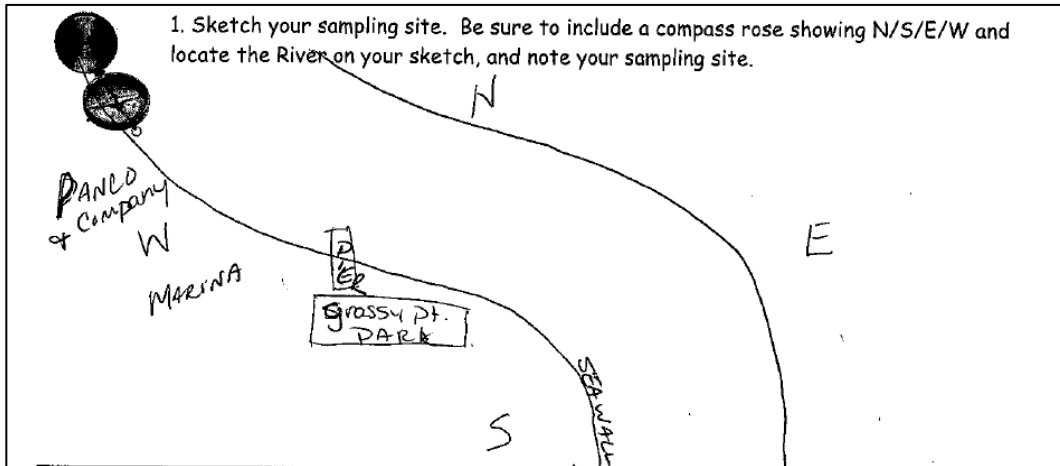


Day in the Life of the Hudson River 10/16/15 Data
RIVER MILE 36
Riverfront Park, Stony Point Marina, Stony Point, Rockland
Jeanne Maguire, RCC Environmental Science Students through North Rockland
HS – 28 students, 5 adults
Latitude N 41.224 - Longitude W 73.963



Sampling Map

Location: Stony Point Marina Riverfront Park, City of Stony Point in Rockland County

Area: Located along the side of the road at the south end of the marina – Forested in the wider area, Pier, Grassy, Parking Lot

Surrounding Land Use: 30% urban/residential, 40% Industrial/commercial, 20% beach and 10% forested

Sampling Site: Some beach and rip rap edges.

Shoreline: Sandy, muddy, but very rocky

Plants in area: No plants in the water but chestnut seed pods found on the shoreline

River Bottom – muddy, sandy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	10:19 AM 10:36 AM 11:35 AM	54 F 54 F 55 F	12.2 C 12.2 C 12.78 C	
Wind Speed	NR			
Cloud Cover	10-12:00 PM	Partly Cloudy	26-50%	
Weather today	No rain			
Weather recently	No rain – cool			
Water Surface	Calm & cloudy			
Water Temperature	10:00 AM	0.5 ft. deep in shade – water shaded by plants	16°C	

Turbidity – Transparency tube	11:30 AM	16.2 cm 16.5 15	Average 15.9 cm	Water was very turbid – sand & dirt in it
Chemical				
DO	11:40 AM	17 °C 16	12 ppm 9 ppm	100% 90% Saturation
pH Indicator solution	9:55 AM 10:13 AM 10:15 AM	7.2 7.4 7.3		
Salinity – High Range quantabs	12:10 PM	6.6 units	2161 mg/L chloride	3904 Total Salinity
Conductivity		6451 uS	6430 uS	
Fish Catch- 9:40-12:15 AM	Number Caught	Species	Size of largest	Seine
24 ft net X 4ft–	4	Striped Bass	13 cm	
	88	Atlantic Silversides	8 cm	
	1	Yellow Perch	10 cm	
	8	Smallmouth bass	10 cm	
	1	Hogchoker	10 cm	
Total Catch	102	Total Fish Count	5 #Species	
		Invert Seine		
	2	Blue Crab	2 M	
Total Catch	2	Total Invert Count	1 #Species	
Coring	Unable to collect – sediment corer broke			
Tides	10:14	4 cm		
	10:30	15 cm		
	10:58	25 cm		
Current *	Time	Cm/sec	Ebb/Flood	
Traffic - commercial	Name	Type	North/South	Loaded/Light
11:14 AM	Teal/white	Tug/barge	Northbound	Loaded
11:30 AM	blue/white	Tugboat	Northbound	Loaded
12:06 PM	white/grey	barge/	Southbound	Loaded
Traffic Recreational	Type	Nam/color	North/South	Loaded/Light
11:10 AM	White	Fishing boat	South	Loaded
11:30 AM	White	Speed boat	North	Light
11:30 AM	White	Speedboat	South	Light

Observations	Water chestnut seeds, shell pieces, fish carcass, sand and different sized rocks and lots of driftwood.
Animals	Wasps, crabs, seagulls and ducks