

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE 35 – Bowline Park, Haverstraw Waterfront
Sarah Sterner, DEC
Jeanne Maguire, North Rockland High School – 12th grade – 14 students
41.203°N 73.958°W



Naked Goby Caught at Bowline Park

Location: Bowline Park, Haverstraw waterfront, Rockland County NY

Area: Parking lot, recreation, fishing

Surrounding Land Use: 10% beach, 50% urban/residential, 40% other

Sampling Site: shoreline is sandy, muddy, rocky, small beach, bank altered, large rip rap, bulkhead,

Piping coming into river

Plants in area: milkweed 2%, water chestnut seed pods in area 1% (traveled on waterway)

Water depth: 3 ft.

River Bottom –muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	8:30 am	41°F 5°C	9:25 am	51°F 10.5°C
Wind Speed	Beaufort #2	4-7 km/hr	4-6 knots	N
Cloud Cover	Partly cloudy			
Weather today	No rain			
Weather last 3 days	Nightfall rains on Tuesday	Temp. seasonal Mild wind		
<i>Water Temperature</i>	8:30am	16.66 C 62 F		
Direct sun, barely plants, fairly still water, a lot of bricks and rocks	10:27 am	16.66 C 62 F		
	11:47 AM	22 C 70 F	20 C 68 F	
<i>Turbidity</i>				Water was

				cloudy
9:02 am	27 cm	30 cm	72 cm	Avg 43 cm
Chlorophyll	10:28 am	0.7		
Chemical				
DO				
<i>Drop count</i>	8:30 am	16.67C	6 PPM	60 % sat
	10:30 am	16.67C	6 PPM	60 % sat
	11:30 am	20C	8 PPM	90 % sat
pH	8:35 AM	7.5		
<i>Colormetric kit</i>	9:20 AM	7.5		
	10:10 AM	8.0 7.5 7.5		Average 7.66
	11:33 AM	7.2		
Salinity				*striped might have been too high to read this correctly
<i>Titration strips – high range</i>		Quantab strip .75	.04 mg/L chloride	
Fish Catch	Number Caught	Species	Length of largest	Catch per Seine - CPUE
Seine 12 ft. X 6ft. Mesh 0.25 inch	3	Killifish	7.5 cm	8:45 AM - 3
	3	Striped Bass	8 cm	9:30 AM - 5
	1	Naked goby	4 cm	10:45 AM - 0
Macroinvert.	1	Blue crab	3.4 inch	11:45 AM - 0
Tides	8:15 am	30 cm		
	8:20 am	29 cm	falling	
	9:17 am	20 cm	falling	
	9:45 am	16 cm	falling	
	11:00 am	21cm	rising	
NOTE: Low Tide 10:38 AM				
Currents	CM/60 secs	Cm/Sec	North/South Ebb/Flood/Still	Knots
8:47 am			Ebb	0.04Knots
9:23 am			Ebb	0.12Knots
11:20 am			Flood	0.168 knots
Core – 4 cores	Length	Rare	Common	Abundant
Recorded here is one given to Sarah	16 cm	Mud Leaves Wood Oyster shell Macro Coal Living veg.	Sand slag	gravel pebbles brick
Shipping	10:15 AM	Large red	Southbound	Full of

<i>Shipping</i>	10:15 AM	Large red barge with white tug	Southbound	Full of construction material
<i>Observations</i>	Garbage was along the shores and many bricks were along the beach showing how there were old brick factories in the area. Also spotted a falcon in a tree.			