

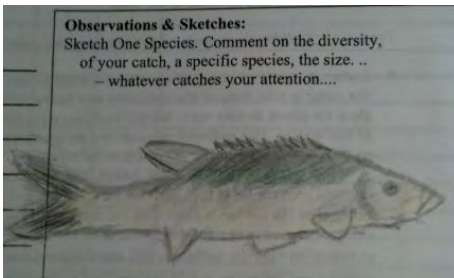
Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 35W – Bowline Park, Haverstraw Waterfront
Ryan Coulter, DEC helped with seining
Chuck Barone, Nanuet High School – 12th grade – 20 students
41.° 12'11" N 73.° 57' 48" W



Location: Bowline Park, Haverstraw waterfront, Rockland County NY

Area: Parking lot, recreation, fishing

Surrounding Land Use: 25% beach, 5% Industrial/commercial, 68% recreational, 2% forested



Sampling Site: shoreline is sandy, muddy, rocky, small beach, bank altered, large rip rap, bulkhead, industrial tress spans the water to the north and east, bricks in the sand

Piping coming into river

Plants in area:

Water depth:

River Bottom –sandy, muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30 am	69°F 20.5°C		
Wind Speed				
Cloud Cover	cloudy	foggy		
Weather today	overcast			
Weather last 3 days	Very rainy last few days			
<i>Water</i>	calm			
<i>Water Temp. – 2 ft. depth</i>	9:30 AM	22.5°C 23.0	74°F 74	Cloudy – in the shade
	12:13 PM	22.0°C	72°F	
<i>Turbidity – Long site tube</i>	9:50 AM	48.2 cm 40. cm		Average 44.2 cm
<i>Chlorophyll</i>	12:20AM	0.3		
<i>Chemical</i>				

DO <i>Drop count</i>	10:45 AM	23 C	6.4 PPM	80 % sat
	12:00 PM	22.5 C	7.2 PPM	85 % sat
pH <i>pH pen</i>	10:57 AM	*6		*seems too low – calibration?
	12:00 PM	*5		
Salinity <i>Hydrometer (?)</i>	10:45 AM	1.002	Temp 22.5	4.1 ppt
	10:50 AM	1.002	Temp 23	4.2 ppt
	12:00 PM	1.002 ppm	Temp 22.5	4.1
	12:00 PM	1.001 ppm	Temp 22.5	2.7
<i>Fish Catch</i>	<i>Time</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>
<i>Seine 50 ft. X 6ft. Mesh 0.25 inch</i>	10:30AM	11	Bay Anchovy	3 inch
	Diversity-3	10	White perch	7 inch
	Totals 24	3	Blue crab	5 inch
<i>Tides</i>	9:30 AM	120 cm		
	12:45 PM	190 cm	rising	70cm/195 min 0.36 cm/min
<i>Currents</i>	<i>CM/60 secs</i>	<i>Cm/Sec</i>	<i>North/South Ebb/Flood/Still</i>	<i>Knots</i>
9:50 AM	0	0	Still	0
12:15 PM	250 cm/60 s	4.2 cm/sec	Flood	
<i>Core –</i>	<i>Length</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
<i>Shipping</i>	9:00 AM	Haverstraw Ferry	White/blue	North bound
<i>Observations</i>	An oil transfer platform just north of the sampling site. Broken bricks were along the beach showing how there were old brick factories in the area. Large rocks sticking out of the ground. There is construction happening in the parking lot so whenever it rains the runoff comes on the beach and into the river.			