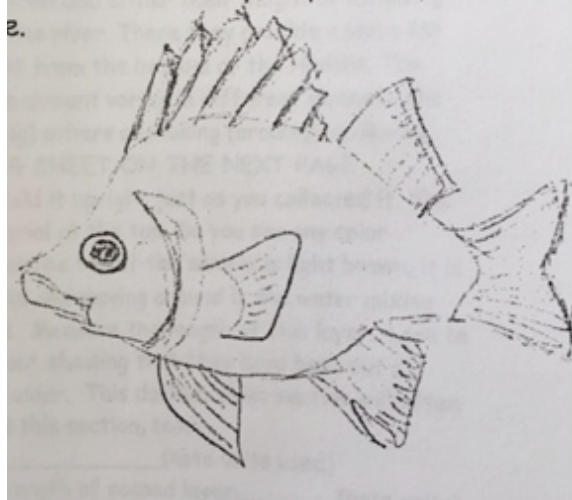


Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 35W – Bowline Park, Haverstraw Waterfront
Chuck Barone, Nanuet High School –25 students, 12th grade APES and NAPES
2 adults
41.° 12'8" N 73.° 57' 33" W



Sketch of White Perch from submitted results

Location: Bowline Park, Haverstraw waterfront, Rockland County NY

Area: Parking lot, recreation, fishing

Surrounding Land Use: 10% beach, 75% Industrial/commercial, 15% urban/residential

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

Other Notes: The beach has a distinctive marker showing the high tide line or more commonly referred to as the 'rack line' where natural and man made debris line up

Plants in area: 50% algae, 50% seaweed/moss

Water depth:

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	9:45am	20°C	68°F	
	10:30 AM	20°C	68°F	
Wind Speed	9:30 AM 10:30 AM 11:30 AM	5.3 mph 0 mph 2.5 mph		
Cloud Cover	Mostly cloudy			
Weather today	Overcast	Cold	drizzle	
Weather last 3 days	Humid – unseasonably warm – rain last 2 days and into today, windy in the evening			
<i>Water</i>	calm			

Water Temp. avg depth 2.5 ft	9:30 AM 10:30 AM 11:30 AM	10°C 10 11.12	50°F 50 52	
Turbidity – Long site tube	9:30 AM 10:30 AM 11:30 AM	27cm 35 cm 43 cm		
Chemical				
DO Drop count	9:30 AM 10:30 AM 11:30 AM	10°C 10 11.2	8 ppm 6 ppm 6.8 ppm	70 % sat. 46 % 55% sat.
pH	NR			
Salinity: <i>Quantabs – from (Andrew Meyer)</i>	9:45 AM	7 HR	2573 ppm Cl-	4648 ppm TS
Fish Catch - Seine 4 meters. Mesh 0.25 inch	Number Caught	Species	Length of largest	
Seine 1 9:30 AM	4	Striped Bass	10 cm	Diversity - 2 Totals - 13
	9	Atlantic Silverside	12 cm	
Seine 2 10:00 AM	3	Atlantic Silverside	NR	Diversity – 2 Totals - 4
	1	White Perch	30 cm	
	Total Div:	3	Total Catch	17
Tides	9:30 AM 10:30 AM 11:30 AM	122 cm 101 cm 91 cm		falling
Currents	CM/60 secs	Cm/Sec	North/South Ebb/Flood/Still	Knots
9:30 AM 10:30 AM 11:30 AM	NR	1.8 m/45 s 4.4 m/45 s 3.3 m/45 s	NR	NR
10:30 AM	156 cm/30 sec	5.2 cm/sec		
Core –	Properties	Rare	Common	Abundant
	H2S smell	Macro- invertebrates	Leaves, Wood, Zebra mussel brick	Clay Mud Sand Gravel pebbles
Shipping	None noted			
Observations	Birds (seagulls etc.) Also small broken brick pieces, pebbles, small rocks, large boulders, sand and moss – little vegetation.			