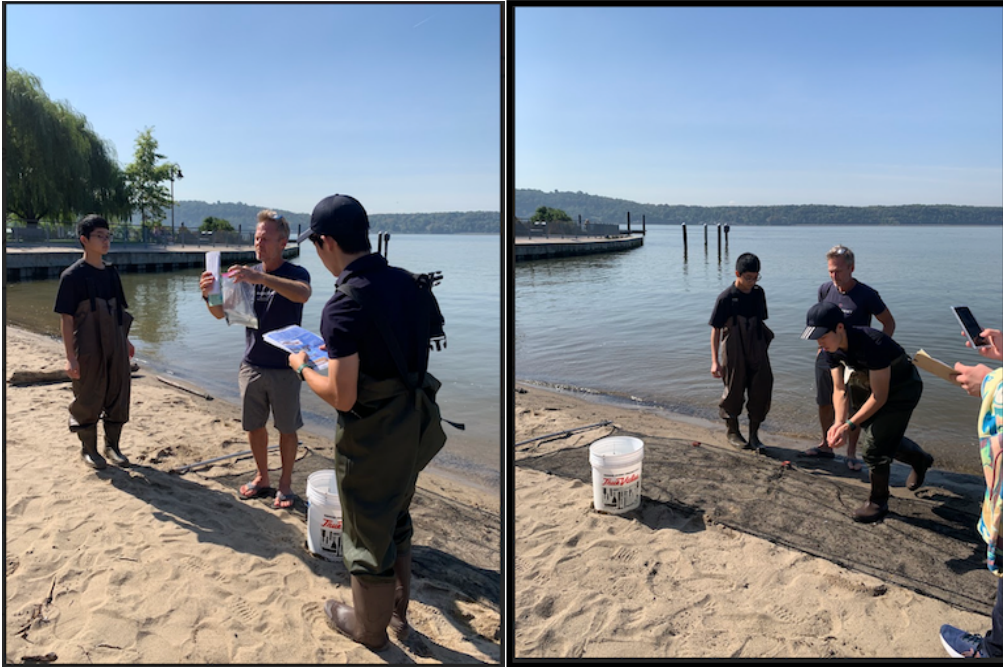


Day in the Life of the Hudson River 10/05/2023
Dobbs Ferry Waterfront Park, Dobbs Ferry, NY
RIVER MILE: 23
Salt Front: ~ 52
EF Academy-Stephen Fleming
120 students, 11th grade, 8 adults
Latitude 41.01516°N & Longitude -73.879988°W



Location: Dobbs Ferry Waterfront Park, Dobbs Ferry, Westchester County, NY
Surrounding Land Use: 20% Urban/Residential, 40% Forested, 30% Industrial/Commercial & 10% Beach
Sampling Site: Marshy Beach, Concrete bulkhead, RipRaps, Grassy surrounding area, Pipe entering the water, parking lot
Shoreline: 40% Sandy, 20% Muddy & 40% Rocky
Water: Calm & Choppy
River Bottom: Muddy, Sandy & Rocky
Plants in the water: No Plants in the water
 *NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:30 AM	25° C		77° F
<i>Wind Speed:</i>		<i>Anemometer</i>		<i>Beaufort</i>
	10:30 AM			<i>Direction</i>
<i>Weather today</i>	10:30 AM	<25% Cloud Cover		No Rain
<i>Weather the past 3 days:</i>	NR			
<i>Tides- Tide Stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	10:30 AM	-		0 cm
	11:00 AM	Rising		33 cm
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
		26		Ebb
<i>Water Temperature-</i>	10:30 AM	25°C		77°F
	10:40 AM	23°C		73.4°F
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:44 AM	65.1 cm		
<i>Chemical</i>				

<i>Student Salinity- Refractometer</i>	10:30 AM	5,000 ppm	5 ppt			
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
	10:30 AM	25°C	5 ppm	57%		
<i>pH –</i>	10:30 AM	8.4				
Biological						
<i>Fish- Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>		
	1	White Perch	16.5 cm			
	41	Atlantic Silverside	9 cm			
	1	Bluegill	13 cm			
Fish Totals	TOTAL: 43	Diversity: 3				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>			
	1	Ctenophore sp.	12 cm			
	1	Blue Crab	6 cm			
Macroinvertebrate Totals	TOTAL: 2	Diversity: 2				
<i>Sediment Core -NR</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

Boats-NR					
Commercial/ Recreational	Time	Name	Color	Southbound/ Northbound	Light/ Loaded