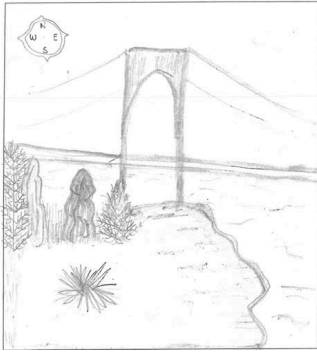


Day in the Life of the Hudson River 10/13/22
Fort Wadsworth, Staten Island, NY
RIVER MILE: -7.5
Salt Front: ~ RM 76
St. Clare School – Mary Lee
50 students & 15 adults
Latitude 40.5976°N & Longitude – 74.0561°W



Location: Fort Wadsworth, Staten Island, NY
Area: About a mile south of the Verrazzano- Narrows Bridge
Sampling Site: Pier, forested, beach, grassy, parking lot, covered in vegetation, RipRap (large rocks)
Surrounding Land Uses: 25% Urban/Residential; 25% Forested; 50% Beach
Shoreline: 75% Sandy; 25% Rocky
River Bottom: sandy, rocky, weedy
Water: Choppy
Plants in the Water: No plants in the water
 *NR = Not read/recorded

ITEM	Time	Reading		Comments	
Physical					
Air Temperature-	10:24 AM	19°C		66.2°F	
	10:30 AM	17°C		62.6°F	
	10:32 AM	17°C		62.6°F	
Wind Speed:	10:25 AM	<i>Anemometer</i> 2.5 knots		<i>Beaufort</i> 2	<i>Direction</i> E
	11:16 AM	6.3 knots		3	
Weather today	10:38 AM	>75% cloud cover		No Rain	
Weather the past 3 days:	60-70°F for 3 days, fair weather, no rain				
Tides-	Time	Rising, Falling, Unchanged		Water Height (cm)	
	10:41 AM-11:41 AM	Falling		85 cm 50 cm	
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Still
	10:49 AM	3	0.06	NR	NR
	11:29 AM	30.7	0.7	NR	Still
Water Temperature-	11:45 AM	18°C		64.4°F	
Turbidity- Long Sight Tube (120 cm)	11:33 AM	41.55 cm			
Chemical					

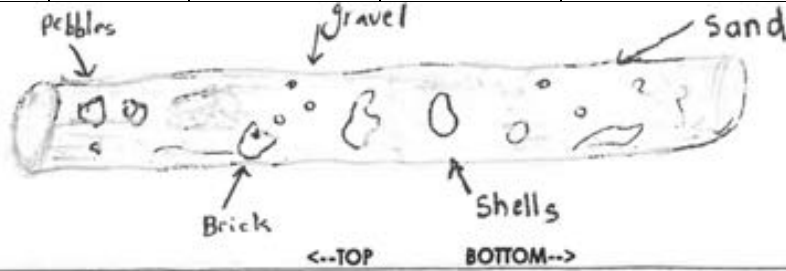
Salinity-Hydrometer	11:46 AM	29 ppt		
Standardized Salinity – Refractometer	10:50 AM	28,000 ppm		
DO – Chemets Kit	<i>Time</i> 11:41 AM	<i>Temp</i> 18°C	<i>ppm DO</i> 9 ppm	<i>% saturation</i> 95%
pH – Color Match Kit	11:51 AM	8.3		
Nitrates- Color Match Kit	11:52 AM	0 ppm		
Phosphates- Color Match	11:53 AM	0.15 ppm		
Alkalinity- NR				

Biological-

Fish – Seine	Number	Name	Length of longest	Length of smallest
	1	Northern Pipefish	4.5 cm	
Fish Totals	TOTAL:1	Diversity: 1		
Macroinvertebrates	Number	Name	Length of longest	Length of smallest
	1	Asian Shore Crab	2 cm	-
	44	Mole Crab	2 cm	0.5 cm
Macroinvertebrate Totals	TOTAL: 45	Diversity:2		

Sediment Core -

Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
18 cm	No	No	No	Abundant: sand Common: gravel, pebbles	Rare: shells, brick



Boats-NA

	Time	Name	Color	North/Southbound	Light/Loaded
Commercial NR					
Recreational					