

Day in the Life of the Hudson River 10/14/21
Valentino Pier, Red Hook
RIVER MILE: -2.3
Salt Front: ~ 49
Barbara Taragan - The Brooklyn New School PS 146
52 students & 10 adults
Latitude 40.6788656 N & Longitude – 74.01831 W

Location: Valentino Pier, Red Hook, Brooklyn, NY

Area: A large pile of rocks with a small rocky beach; large pier

Surrounding Land Use: 75% Industrial/Commercial; 10% Urban/Residential; 5% Beach; 10% landscaped area with seagrasses.

Sampling Site: Recreational pier and beach. Lots of fishing at the end of the pier.

Shoreline: Riprap

River Bottom: Sandy and rocky near the little beach area

Plants in water:

*NR = Not read/recorded

NR Not Read/Recorded					
ITEM	Time	Reading			Comments
Physical					
Air Temperature-NR					
Wind Speed: NR	10:00 AM	Anemometer		Beaufort	Direction
Weather today	NR	cloud cover- NR		No rain	*Light Breeze
Weather the past 3 days:	NR				
Tides-	Time	Rising, Falling, Unchanged		Height (cm)	
	NR	NR		NR	
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Slack
	NR	NR	NR	Northwest in AM Southwest in PM	NR
Water Temperature-NR					
Turbidity- Long Sight Tube	AM PM	50-80 cm 50-70 cm			
Chemical					
Salinity- Hydrometer	AM PM	18-20 ppt 22 ppt			
Standardized Salinity-NR					
DO –	Time	Temp		ppm DO	% Saturation
	AM OM	NR		5-7 ppm 6-7 ppm	NR
pH –	AM PM	7 6.5 to 7			
Nitrates- NR					
Phosphates-NR					
Biological					
Fish -	Number	Name		Length of longest	Length of smallest
	1 1	Grubby Sculpin Feather Blenny		NR	NR
Fish Totals	TOTAL: 2	Diversity: 2			

<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	2	Green Crab	NR	NR	
	1	Mud Crab			
	1	Palaemonetes Shrimp			
	1	Ghost (skeleton)			
		Shrimp (amphipod)			
	1	Sea squirt			
	2	Sea sponge			
	2	Oyster			
	2	Blue mussel			
	1	Barnacles			
	2	Eastern Mud Snail			
	2	Ribbed mussel			
Macroinvertebrate Totals	TOTAL:17	Diversity: 11			
<i>Sediment Core -NR</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
<i>Boats-NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					