

Day in the Life of the Hudson River 10/22/19
VALENTINO PIER, BROOKLYN
RIVER MILE: -2
Salt Front: ~ RM 53
PS 146- The Brooklyn New School- Barbara Taragan
120 students 4th grade, 20 adults
NY DEC- Andy
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:

ITEM	Time	Reading		Comments
Physical				
Air Temperature	10-11 am	50 ° F		
Wind Speed:	10-11 am 11-12 pm	Beaufort 1-2 Beaufort 1-2		
Weather today	NR			
Weather past 3 days:	NR			
Tides-	Time	Rising, Falling, Unchanged	Water Height (cm)	Rate of Tidal Change (cm/min)
	NR			
Current- orange toss	Time	cm/second, Knots	North/South	Ebb/Flood/Still
*readings influenced by the positioning of the pier in a cove	10-11am 11-12 pm		Southwest Northwest	
Water Temperature-	10-11 am	46 ° F		
Turbidity- Carolina biologic tube (120cm total)	10-11am 11-12 pm	84-90 cm 85-90 cm		
Chemical				
Salinity- Hydrometer	10-11am 11-12 pm	21,000 ppm 22,000 ppm		
DO – CHEMetrics blue ampules	Time	Temp	ppm DO	% saturation
	All morning		7 ppm	
pH – Lamotte test tabs	All morning	7.0		
Biological				
Fish	Number	Name	Length of longest	
Minnow traps- no catch Oyster stations				
Fish Totals	TOTAL: 0	Diversity: 0		
Macroinvertebrates	Number	Name	Length of longest	
*Abundance was not recorded	Presence Presence Presence Presence Presence	Shrimp spp. Tunicates Sea grapes Tube Worm Mussel spp.		

Macroinvertebrate Totals	TOTAL:	Diversity: 5		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations	Fisherperson caught a tautog			