

Day in the Life of the Hudson River 10/22/20
PIER 1 LIGHTHOUSE MUSEUM, STATEN ISLAND
RIVER MILE: -4.5
Salt Front: ~ RM 75
Curtis High School – David Scheffler, 3 participants
Latitude 40.640951 N & Longitude – 74.073463 W



Location: Pier 1 Lighthouse Museum, Staten Island, NY
Area: Pier with parking lot.
Surrounding Land Use: 50% Industrial, 50% Commercial
Sampling Site: Wood bulkhead, concrete bulkhead, banks altered, riprap
Shoreline: 20% sandy, 30% muddy, 50% rocky.
River Bottom: Rocky

ITEM	Time	Reading		Comments
Physical				
Air Temperature	9:10 AM	20.12 ° C	68.2 ° F	
Wind Speed:	9:10 AM	0 mph		
Weather today	Very heavy fog layer			
Weather past 3 days:	Cloud cover, little to no wind, afternoon highs in upper 60s, nighttime lows in upper 50s			
Tides-	Low Tide	High Tide	Time of Sampling	Tide
	7:23 AM	1:43 PM	9:25 AM	Flood
Current-	Time	cm/second, Knots	North/South	Ebb/Flood/Still
	9:25 AM	3.72 cm/sec, .07 knots	North	Flood
Water Temperature-	10:45 AM	16.85 ° C	62.3 ° F	
Turbidity- Long sight tube	10:30 AM	80 cm		
Chemical				
Salinity- Refractometer	10:00 AM	30 ppt		
DO –	Time	Temp	ppm DO	% saturation
pH – color match kit	10:15 AM	6		
Nitrates- color match kit		5 ppm		
Biological				
Fish	Number	Name	Length of longest	Length of smallest
	4	Striped Bass	76.2 cm	45.72 cm
	6	Tautog	63.5 cm	25.4 cm
	2	Skilletfish	6 cm	
Fish Totals	TOTAL: 12	Diversity: 3		
Macroinvertebrates	Number	Name	Length of longest	Length of smallest

	20	Green Crab	13 cm	3 cm
Macroinvertebrate Totals	TOTAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations				