

Day in the Life of the Hudson River 10/22/20

PIERMONT PIER, PIERMONT

RIVER MILE: 25.4

Salt Front: ~ RM 75

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Latitude 41.043189 N & Longitude – 73.89595 W



Location: Piermont Pier, Piermont, Rockland, NY

Area: Man made fishing/shipping pier at the east end, long pier with paved roadway and vegetated strip along both sides

Surrounding Land Use: 80% Urban/Residential; 20% Forested

Sampling Site: Pier, roadway in center of whole pier, parking area at the end, plants and trees along side. Shoreline riprap, collected wood in area and piping entering river on the south of sampling site

Water Depth: Varied by location on the pier and by the tide

Plants in area: 15% sumac and other plants; 85% phragmites; no submerged aquatic plants in water

River Bottom: Sandy, rocky bottom with phragmites growing in or near the water

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	1:20 PM	19.9 ° C	67.8 ° F	
<i>Wind Speed:</i>	1:20 PM	1.1 m/s	North	
<i>Weather today</i>	No Rain			
<i>Weather past 3 days:</i>	Cold nights, days 50-60s, foggy			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:05 AM	3:20 PM	1:20 PM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	1:30 PM	19 ° C	66.2 ° F	
<i>Turbidity- Long Sight Tube</i>	1:20 PM	47 cm		
Chemical				
<i>Salinity- Hydrometer</i>	12:45 PM	11 ppt		
<i>DO – Hach Drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	12:45 PM	19 ° C	10 ppm	108
<i>pH – Color Match Kit</i>	1:00 PM	8		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	71	Atlantic Silverside	11 cm	5.5 cm
	1	Striped Bass	9 cm	
	1	Mummichog	9 cm	
Fish Totals	TOTAL: 73	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>

5 male, 10 female	15	Blue Crab 1 Leidy's Comb Jelly 1 Moon Jelly	7.5 cm	1.2 cm
Macroinvertebrate Totals	TOTAL: 17	Diversity: 3		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
12 cm core	12:30 PM		6 cm mud on bottom 6 cm of sandy material on top	
Observations				