

Day in the Life of the Hudson River 10/22/20
INWOOD HILL PARK, MANHATTAN (HUDSON RIVER)

RIVER MILE: 12.75

Salt Front: ~ RM 75

NYC Park and Urban Park Rangers –Daniel Tainow, 6 participants

Latitude 40.578275 N & Longitude – 74.184301 W



Location: Inwood hill Park, Dyckman St. Fishing Pier, Hudson River, Manhattan, NY

Area: Hudson River waterfront, a pier and a park

Surrounding Land Use: 10% Forested; 40% Park

Sampling Site: beach area and a pier

Shoreline: beach

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	1:30 PM	21 ° C	70 ° F	
<i>Wind Speed:</i>	1:45 PM	1 mph		
<i>Weather today</i>	Fog			
<i>Weather past 3 days:</i>	Warm, foggy, humid			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	7:30 AM	1:30 PM	1:50 PM	Slack
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	2:00 PM	0 cm/sec	Slack	Still
<i>Water Temperature-</i>	2:00 PM	18.3 ° C	65 ° F	
<i>Turbidity- Short Sight Tube</i>	2:30 PM	40 JTU		
Chemical				
<i>Salinity- Hydrometer</i>	2:00 PM	15 ppt		
<i>DO – LaMotte Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	2:55 PM	18.3 ° C	4 ppm	42
<i>pH – Color Match Kit</i>	2:45 PM	6.5		
<i>Nitrates-</i>	3:00 PM	5 ppm		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	27	Atlantic Silverside	3 inches	
Fish Totals	TOTAL: 27	Diversity: 1		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	9	Comb Jelly	2 inches	
	3	Unidentified Jelly (moon?)		
Macroinvertebrate Totals	TOTAL: 12	Diversity: 2		