

Day in the Life of the Hudson River 10/13/22

Inwood Marina, Manhattan, NY

RIVER MILE: 12.75

Salt Front: ~ RM 76

NYC Parks Dept – Rob Mastrianni, Grant Wheeler, Max Soo, Marc Sanchez, Bonnie McGuire

Comprehensive Model School Project– Caroline Castro

70 students & 10 adults

Latitude 40.8°N & Longitude –73.9°W



Location: Inwood Marina, NY

Area: Urban, small beach

Surrounding Land Use: 100% Urban/Residential

Sampling Site: Pier, beach, parking lot

Shoreline: 100% Muddy

Water: Choppy

Plants in area: No plants in the water

River Bottom: Muddy

*NR = Not read/recorded

ITEM	Time	Reading		Comments	
Physical					
Air Temperature-	10:30 AM		64°F		
Wind Speed:	10:30 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 3	<i>Direction</i> NR	
Weather today	11:30 AM	> 75% cloud cover	Drizzle		
Weather the past 3 days:	Warm, sunny				
Tides- NR, lost tide stick	Time	Rising, Falling, Unchanged		Water Height (cm)	
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Still
	10:41 AM	41.7	0.85		Slack
	11:18 AM	3.3	0.3		Flood
			0.25		Flood
Water Temperature-	10:56 AM	19°C		66.2°F	
Turbidity- Long Sight Tube (120 cm)	11:30 AM	19.6 cm			
	12:10 PM	26 cm			
Chemical					
Salinity- NR					
Standardized Salinity					

DO – Hach Drop Count Kit	Time 10:56 AM 11:16 AM	Temp 19°C 19°C	ppm DO 5 ppm 7 ppm	% saturation NR NR	
pH –	10:44 AM	7.4			
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological					
Fish – Seine & Traps	Number	Name	Length of longest	Length of smallest	
10:34 –10:52 AM	30 1	Atlantic Silverside Black Seabass	11 cm		
Fish Totals	TOTAL:31	Diversity: 2			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	2 2	Blue Crab Jellyfish sp.			
Macroinvertebrate Totals	TOTAL:4	Diversity: 2			
Sediment Core - NA					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats-					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	12:10 PM 1:22 PM	NR NR	NR NR	Southbound Northbound	Loaded Loaded
Recreational					