

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

Pier 40 at Hudson River Park, NYC

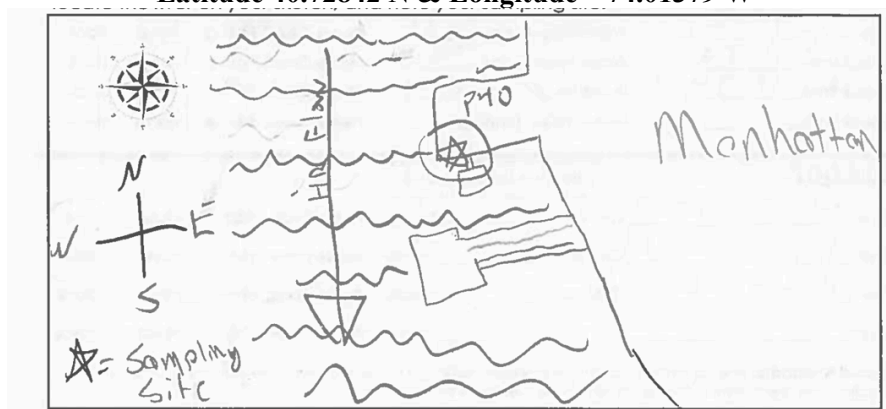
RIVER MILE: 2.9

Salt Front: ~ RM 76

Hudson River Project– Toland Kister, The Museum School – Scott Wassmuth

38 students & 6 adults

Latitude 40.72842 N & Longitude – 74.01379 W



Location: Pier 40 at Hudson River Park, NYC

Area: South-facing walkway on Pier 40 over the water; primary sampling happened between grey floating dock and end of pier

Surrounding Land Use: Urban/Residential; Park

Sampling Site: Concrete Bulkhead

Shoreline: N/A

Water: Choppy

Plants in area: No plants in the water

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	10:00 AM	20°C	68°F		
<i>Wind Speed:</i>	10:53 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 5	<i>Direction</i> NR	
<i>Weather today</i>	11:00 AM	>75% cloud cover	Small amount of rain at end of the day		
<i>Weather the past 3 days:</i>	Sunny				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
	10:27 AM- 10:42 AM	Rising	225 cm 250 cm		
	10:42 AM- 11:24 AM	Falling	250 cm 247 cm		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	10:33 AM 11:17 AM 11:45 AM	14.7 17.24 60	NR	NR	Slack Slack Ebb
<i>Water Temperature-</i>	10:29 AM 10:46 AM 11:07 AM	17°C 18°C 16°C	62°F 63°F		

	11:27 AM	18°C	60°F 65°F		
Turbidity- Turbidimeter (NTU)	11:11 AM 11:30 AM	107 NTU 77 NTU			
Chemical					
Salinity-Hydrometer	10:34 AM 10:50 AM 11:05 AM 11:30 AM	19/21/22 ppt 22/18/22 ppt 22/18/21 ppt 21/23/23 ppt	21.25 ppt 21.75ppt 20.25 ppt 22.25 ppt		
Standardized Salinity – Refractometer	11:40 AM	24,000 ppm			
DO – Chemets	<i>Time</i> 10:39 AM 10:57 AM 11:21 AM	<i>Temp</i> 17°C 17°C 17°C	<i>ppm DO</i> 5.5 ppm 6 ppm 7 ppm	<i>% saturation</i> NR NR 72%	
pH – NR					
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological-					
Fish – Traps	Number	Name	Length of longest	Length of smallest	
	1	Black Seabass	8 cm		
Fish Totals	TOTAL:1	Diversity: 1			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0			
Sediment Core – from a grab sample not a core					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
NR	Yes	Yes	No	Abundant: mud Rare: gravel, pebbles	Common: shells Rare: leaves, wood, macroinvertebrates
Boats-NR					
	Time	Name	Color	North/Southbound	Light/Loaded