

Day in the Life of the Hudson River 10/14/21

SWINDLER COVE, MANHATTAN

RIVER MILE: 13

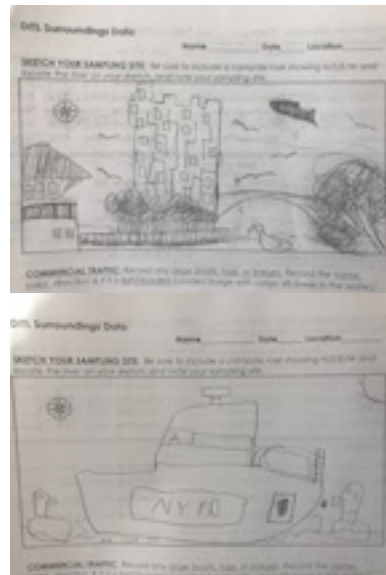
Salt Front: ~ RM 49

Dos Puentes Elementary School- Queila Cordero and 6 adults

60 students, 5th grade

NYS DEC- Chris Bowser, Jesenia Laureano

Latitude 40.85784 N & Longitude – 73.92201 W



Location: Beach at Swindler Cove Park, next to the north end of Harlem River Drive, Manhattan

Area: There is a pier, beach, floating boathouse with a dock. Area used for boating, rowing, biking, walking, school groups- forested and grassy area

Surrounding Land Use: 50% beach, 50% Industrial/Commercial

Sampling Site: Sandy, muddy beach area, covered with vegetation, riprap banks

Plants in area: grass, sycamore trees

Water depth:

River Bottom: muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	NA			
<i>Wind Speed:</i>	NA			
<i>Weather today</i>	NA			
<i>Weather the past 3 days:</i>				
<i>Water Temperature- collected from bucket</i>	10:27AM 11:30 AM 12:26 PM 1:00 PM	20.83 ° C 21.94 ° C 21.11 ° C 22.22 ° C	69.5 ° F 71.5 ° F 70 ° F 72 ° F	
<i>Turbidity- Long sight tube</i>	Throughout day	Avg: 31 cm		
Chemical				
<i>Salinity- Hydrometer</i>	10:27AM 11:30 AM 12:26 PM 1:00 PM	18 ppt 18 ppt 18 ppt 20 ppt		
DO –	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:27AM 11:30 AM	20.83 ° C 21.94 ° C	6 ppm 5+ppm	

	12:26 PM 1:00 PM	21.11 ° C 22.22 ° C	5 ppm 7 ppm	
<i>pH</i> –	NA			
<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	76 4	Mummichog Atlantic Silverside		-
Fish Totals	TOTAL: 80	Diversity: 2		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	1 4 4	Blue Crab Ctenophore Brine shrimp		
Macroinvertebrate Totals	TOTAL: 9	Diversity: 3		