

Day in the Life of the Hudson River 10/05/2023
Jamaica Bay, Rockaways, Queens
Riis Landing (Gateway National Recreation Area
RIVER MILE: -3.78
Salt Front: ~ RM52
Scholars Academy-Melissa Redden
NYS DEC - Ron Gelardi
100 students, 7th grade, 9 adults
Latitude 40.5684°N & Longitude 73.8844°W



Location: Riis Landing, Beach 169th St & Beach Channel Drive, Jamaica Bay, Rockaways, Queens, NY
Surrounding Land Use: Coastguard Station in Roxbury, under the Marine Park Bridge on the Rockaway Side.

Sampling Site: Area is a kayak launch, beach area

Shoreline Sandy beach

Water

River Bottom:

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>	11:22 AM	27°C	80.6°F	
<i>Wind Speed:</i>	11:23 AM	<i>Anemometer</i> 0.53 m/s	<i>Beaufort</i>	<i>Direction</i> East
<i>Weather today</i>	11:40 AM	<25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Clear, No Rain			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
				<i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	11:40 AM	21°C	71°F	

<i>Turbidity- Long Sight Tube (120 cm)</i>	11:22 AM	73.67 cm				
Chemical						
<i>Student Salinity- Hydrometer</i>	11:42 AM	30,000 ppm	30 ppt			
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
	11:30 AM	21°C	8 ppm		70%	
<i>pH – Color Match Kit</i>	11:47 AM	7.5				
Biological						
<i>Fish-Seine (6 Hauls)</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Notes</i>	
11:00 AM	4	Atlantic Silverside		5 cm		
Fish Totals	TOTAL: 4	Diversity: 1				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>		
	9	Hermit Crab		2.3 cm		
	2	Ctenophore spp.		3.1 cm		
Macroinvertebrate Totals	TOTAL: 11	Diversity: 2				
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>
10 cm		No	No	No	Abundant: Sand	Abundant: Shells

Boats-NR					
Commercial/ Recreational	Time	Type	Color	Southbound/ Northbound	Light/ Loaded