

Day in the Life of the Hudson River 10/22/19 Data

RIVER MILE -5.3

Salt Front ~ RM 53

Canarsie Pier, Jamaica Bay, Brooklyn, NY

Teacher Julie Vattamala, Pathways 2 Graduation, 11-12th graders – 6 students

1 NYSDEC SCA member assistants

GPS Latitude N 40.37'49.0" - W-73.53'00.98"

Location: NW beach at Canarsie Pier, Jamaica Bay

Area: Pier and beach area along the bay

Surrounding Land Use: Beach – 50%; Pier/Urban/residential 50%

Sampling Site: mainly sandy beach (99%), rip rap, pipe entering water

Shoreline: beach and pier

Plants in area: 50% sea lettuce

Water: Choppy

River Bottom : sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:00 PM	61 degrees F		
Wind Speed	Beaufort Force	4	Called it a wind storm!	
Cloud Cover	10:30 AM	Overcast		
Weather today	Misty			
Weather recently				
<i>Water Temperature</i>	11:00 AM	16.2 C		
	11:15 AM	15 C		
	12:00 PM	15 C		
<i>Water calm</i>	yes			
<i>Turbidity – long sight tube</i>				Dark blue green water
<i>DO</i>	12:00 PM	15 C	10 ppm	95%
<i>pH –</i>	12:00PM	8.5		
	12:15 PM	8.5		
Salinity – hydrometer				
<i>Fish Catch</i> seine net		<i>Species</i>	<i>Number Caught</i>	
11:30 AM Fish		Atlantic Silversides	20	
		Bay Anchovy	20	
		Alewife	4	
		DIVERSITY 3	TOTAL 44	

11:30 AM Macros		Moon Jellies*	4	*large pink and purplish
		Blue Mussel	5	
		Barnacles	10	
		Ribbed Mussel	2	
		Shore Shrimp (paleomonetes)	102	
		DIVERSITY 5	TOTAL 123	
<i>Sediment Core</i>	Length	Rare	Common	Description
	15.25 cm	Clay Mud Gravel shells	Sand Pebbles Living vegetation	
<i>Boats</i>	10:30 AM	Coast Guard	Northbound	
<i>Other Items</i>	shells	Sea lettuce	Horseshoe crab shells	Brick Coal
	Sea gulls	Ducks	turtle	coconuts