

Snapshot Day 10/18/11

(Salt Front RM 35.7)

HARLEM RIVER MILE 13

Swindler's Cove Park on the Harlem River

Omari Washington, Jasmine Santana, Ifeoma Nwoke, Joseph Hayes, New York Restoration Project and 4 other educators (8 total)

Queila Cordera, Amistad Dual Language School 5th grade PS/MS311 (45 students),

Anne Marie Nowak, Booker T. Washington MS 54 8th grade (40 students) ,

Ms. Fenyo, Ms. Milligan, Ms. Cuevas, Ms. Lopez, Ms. Blumentritt, Ms. Feng, PS 5 Ellen Lurie School– 5th grade and 4th grade (130 students!)

(225 students total!)

GPS Latitude 40° 51'36"N – Longitude 73° 55'12"W

40° 86 N -73° 92 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

Surrounding Land Use: 98% Urban/residential, 2% beach

Sampling Site: Beach area, covered with vegetation, rocky, and altered banks

Plants in area: Spartina and phragmites

Water depth:

River Bottom: sandy, muddy & rocky bottom

Plant Names:

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Sampling occurred between 10:00 AM to 2:00 PM			
Air Temperature	11:00 AM	21°C 69.9 °F		
Wind Speed	11 AM	Beaufort Force #2 South	6.12 km/hr	
Cloud Cover	Partly cloudy	Clearing throughout the day	Light precipitation early in day	
Weather today	Light rain early in day	Clearing after		
Weather recently	Overcast, light rain at night – temps like today			
Water				
<i>Water Temperature</i>	AM	20°C 68 °F		
<i>Turbidity</i>	8 AM	36 cm		
	9 AM	34 cm		
	10 AM	32 cm		
	11AM	32 cm		
	12PM	31 cm		
	1PM	29 cm		
<i>Chlorophyll</i>	8:45 AM	2.0	1:00 PM	2.0-3.0
<i>Chemical</i>	TIME	DO	Temp	
DO	8 AM	6 ppm	17.6°C 64°F	
	9 AM	6 ppm	18.1°C 65°F	
	10 AM	7 ppm	19.2°C 67°F	
	11 AM	7 ppm	19.2°C 67°F	
	12 PM	8 ppm	20.9°C 70°F	
	1 PM	8 ppm	20.9°C 70°F	
pH –	8AM	7	11 AM	7.5
	9AM	7	12 PM	8

	10 AM	7.5	1PM	8
Salinity	8AM	12 ppt		
	9AM	12 ppt		
	10AM	11 ppt		
	11AM	10 ppt		
	12 PM	9 ppt		
	1 PM	8 ppt		
<i>Fish Catch – more than 30 seine attempts made during day</i>	<i>Species</i>	<i>Number caught</i>		<i>Size</i>
<i>18 AM catch</i>	<i>Killifish</i>	~10		4 inch
<i>25 PM catch</i>	<i>White Perch</i>	1		8 inch
	<i>Smallmouth Bass</i>	2		
	<i>Silversides</i>	plenty		4 inch
	<i>Bluegill</i>	2		3 inch
<i>Macros</i>	<i>Blue Crabs</i>	9	(3 AM, 6 PM)	
	<i>Comb Jellies</i>			
<i>Tides</i>	8:56 AM	15 ft.	457.2 cm	
	9:21 AM	14 ft.	426.7 cm	
	10:00 AM	13 ft.	396.2 cm	
	1:00 PM	12 ft.	365.8 cm	
<i>Currents</i>	9:05 AM	44.19 cm/sec		
	9:46 AM	56.89 cm/sec		
	10:09 AM	72.12 cm/sec		
<i>Core Sample Sediments</i>	<i>Length</i>	<i>Common</i>	<i>Present</i>	<i>Description</i>
<i>1st core</i>	7 cm – no layers	Fine grain (98%) Large grain 2% Clay common, mud abundant Sand, gravel, pebbles rare	1 leaf, old oyster shell part,	2 rocks present;
<i>2nd core</i>	11 cm – top layer 4 cm, bottom 7 cm	Fine grain 99%; large grain 1%, Clay common, mud abundant Sand, gravel,	Piece of wood, old oyster shell, tiny worm discovered	1 rock present

		pebbles rare		
Traffic	Circle line sightseeing cruise headed north			
Other	Laughing gulls spotted in sampling site			