

**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
HARLEM RIVER MILE 13
Swindler's Cove Park on the Harlem River
Dennis Rosario, New York Restoration Project
Jordan Davidson, PS 5 Ellen Lurie School– 5th grade (100 students)
GPS Latitude 40° 85694 N Longitude 73° 92180 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: 5% forested, 5% beach, 80% Industrial/commercial, 10% other

Sampling Site: Beach area, covered with vegetation,

Plants in area:

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>				
Air Temperature	10:00 AM	13.8°C		
	11:00 AM	14.9 °C		
	12:00 PM	16 °C		
	2:00 PM	17.2°C		
Wind Speed	10:00 AM	5.7 mph		
	11:00 AM	5.7 mph		
	12:00 PM	5.9 mph		
	2:00 PM	5.9 mph		
Cloud Cover	Some clouds			
Weather today	Cool and windy			
Weather recently	Rainy and windy yesterday, cool day before			
Water				
<i>Water Temperature</i>	10:00 AM	18° C		
	11:00 AM	18° C		
	12:00 PM	18.5°C		
	2:00 PM	19 °C		
<i>Turbidity</i>	10:00 AM	20 JTU	Small site tube	
	11:00 AM	20 JTU		
	12:00 PM	40 JTU		
	2:00 PM	60 JTU		

<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	10:00 AM	4 mg/L	Temp. 18° C	40% sat.
	11:00 AM	4 mg/L	Temp. 18° C	40% sat.
	12:00 PM	4 mg/L	Temp. 18.5° C	42% sat.
	2:00 PM	4 mg/L	Temp 19° C	43% sat.
pH –	10:00 AM	7		
	11:00 AM	7		
	12:00 PM	7		
	2:00 PM	7		
Salinity	10:00 AM	13.5 ppt		
	11:00 AM	13.5 ppt		
	12:00 PM	13.6 ppt		
	2:00 PM	13.7 ppt		
Phosphate	10:00 AM	1.5 mg/L		
	11:00 AM	1.5 mg/L		
	12:00 PM	2 mg/L		
	2:00 PM	1.2 mg/L		
Nitrate	10:00 AM	1 mg/L		
	11:00 AM	1 mg/L		
	12:00 PM	1 mg/L		
	2:00 PM	1 mg/L		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		<i>Size</i>
<i>Marine Invertebrates</i>	6	Moon Jellyfish	Aurelia aurelia	
	6	Blue Crab	Callinectes (Cancer) sapidus	
	6	Sand fiddler	Uca pugilator	
<i>Fish</i>	12	Atlantic Silversides	Menidia menidia	
	2	Alewife	Alosa pseudoharengus	
<i>Tides</i>				
<i>Currents</i>				
<i>Core Sample Sediments</i>	<i>Whole core</i>	<i>Top layer</i>	<i>Bottom layer</i>	<i>description</i>
<i>Traffic</i>				
<i>Other Items</i>				