

Snapshot Day 10/14/10
(Salt Front RM 36.0)
HARLEM RIVER MILE 13
Swindler's Cove Park on the Harlem River
Dennis Rosario & Omari Washington
New York Restoration Project
Jordan Davidson, PS 5 Ellen Lurie School– 5th grade (four classes) and 4th grade
(one class – 101 students and 10 adult helpers)
GPS Latitude 40° 86 N – Longitude 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: 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>	Sampling occurred between 10:00 AM to 2:00 PM			
Air Temperature	AM	18.7°C 65.8 °F		
Wind Speed	AM	Beaufort Force #3	16.8 km/hr	10.09 mph on meter
Cloud Cover	Partly cloudy			
Weather today	Sunny in AM			
Weather recently	Some rain last few days			
Water				
<i>Water Temperature</i>	AM	20°C 68 °F		
<i>Turbidity</i>	99.06 cm	Secchi Disk	50 JTU	Small site tube
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	AM	8mg/L	Temp. 20°C	70% sat.
pH –	7.25			
Salinity		7.4 ppt		

Phosphate		2.0 ppm		
Nitrate		0.5 ppm		
Ammonia		0 ppm		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		<i>Size</i>
<i>Tides</i>				
<i>Currents</i>	Southern position with an ebbing flow			
<i>Core Sample Sediments</i>	<i>Common</i>	<i>Present</i>		<i>Description</i>
<i>2 inches, 5 inches, 5 inches, 5.5 inches</i>	Mud Sand Brick	Oil Pebbles		H2S smell present