

Snapshot Day 10/12/05 Data
(Salt Front RM 53.5)
HARLEM RIVER MILE 13
Swindler's Cove Park on the Harlem River
GPS Latitude 40° 51' 25.05" N Longitude 73° 55' 18.84" W
Jane Jackson, New York Restoration Project
Anne Marie Nowak & Virginia Young, Booker T. Washington MS, 6-8th grade

Location: Beach at Swindler Cove Park, next to the north end of Harlem River Drive, Manhattan

Area:

Surrounding Land Use: 50% urban/residential, 20% forested, 5% beach, 15% Industrial/commercial, 10% other

Sampling Site: Beach area, covered with vegetation Rip Rap used on beach, shoreline is sandy and rocky, pipes seen entering water (nearby CSO)

Plants in area: none in water

Water depth: 1 foot deep

River Bottom: sandy & rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:05 PM	69°F 20.57°C		
Wind Speed	4-6	Lightly breezy	North wind	
Cloud Cover	overcast			
Weather today	Cool and overcast			
Weather recently	1.5 inches of rain fell in the last 24 hrs. Over the last 3 days we have had sun and higher than normal temperatures for this time of year.			
<i>Water Temperature</i> <i>Shady- 1ft. water</i>	11:10 AM	18.30° C 64.90 °F	18.5° C 65.30 °F	18.5° C 65.3 °F
<i>Turbidity</i>	11:00	0 JTU X 3 readings	With sight tube	3 ft. with secchi
<i>Chlorophyll</i>	11:14 AM	0.3	11:26 AM	0.4
<i>Chemical</i>				
DO Calm water in shade- (LaMotte modified winkler)	11:15	6.4 mg/L*	Temp. 18.4° C	70% saturated
pH – test strips	11:40	7.8	7.6	7.8
Phosphate				

Nitrate				
Alkalinity				
Salinity	Unable to read			
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Size</i>
1:45 PM	1	Blue Crab		1.25 carpace
	24	Atlantic Silversides	.01	7.5 inches
	1	White perch		5 inches
<i>Tides</i>	10:46 AM	2 cm		
	11:16 AM	14 cm	Rising	
<i>Currents</i>	11:42 AM	Flood		
<i>Core Sample Sediments</i>	<i>Whole core</i>	<i>Top layer</i>	<i>Bottom layer</i>	<i>description</i>
11:10 AM	11 cm	6 cm gritty feel	5 cm dense feel & smooth	Green & black, bottom sample darker
	Tom layer had bits of vegetation decomposing, soft gritty top, fine bottom layer. Clay (common) Mud (Abundant) Sand, Gravel, Pebbles & wood (rare) Possibly some oil			
<i>Traffic</i>				
	11:56 AM	Circle Line/red & white	Northbound	Passengers
	12:00 noon	Fishing boat	Southbound	
<i>Other Items</i>	Ducks, jelly fish, small fish, oysters & crabs			