

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
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
New York Restoration Project
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Location: Beach at Swindler Cove Park, next to the north end of Harlem River Drive, Manhattan

Area:

Surrounding Land Use: 50% forested, 10% beach, 20% Industrial/commercial, 20% 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

Plant Names: Fern 40%, Hydrangea 20%; Goldenrod 30%; purple trousers 10%; also Spartina 75% in marsh area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:30 PM	22.2°C	24.5°C	
Wind Speed		Lightly breezy		Water was still but cloudy
Cloud Cover	Sunny			
Weather today				
Weather recently	Last 2 days temperature has been cool 60-70 degrees			
<i>Water Temperature</i> <i>Shady- 1ft. water</i>	12:30 PM	21.5° C 70.7° F	21.8° C 71.24° F	24.5° C 74.1° F
<i>Turbidity</i>	12:30 PM	3 readings	With sight tube	Average 5 JTU
<i>Chlorophyll</i>	11:14 AM	0.3	11:26 AM	0.4
<i>Chemical</i>				
DO Calm water in shade- (LaMotte modified winkler)	12:30 PM	5.6 mg/L	Temp. 22.2° C Temp. 22.3° C	60% saturated
pH – test strips - color match kit	12:30 PM	6.3 6.5	6.3 6.3 6.4	

Phosphate				
Nitrate				
Alkalinity				
Salinity	Unable to read			
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Size</i>
12:30 PM	15	Blue Crab		10 cm
	5	Jellyfish		
	2	Bay anchovies		
	50	Atlantic Silversides		1 cm
	26	Unidentified Y-o-y		
	23	mummichogs		3 cm
<i>Tides</i>	10:55 AM	5 cm	Rising	
	11:55	25 cm	Rising	
	1:05 PM	53 cm	Rising	
<i>Currents</i>	11:42 AM	ebb	Noted current is moving south and felt it should be moving north	123 ft. in 1 min. 17 secs
	1:00 PM	ebb		
<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
<i>Traffic</i>				
	11:51 AM	Circle line (white & green) boat passed #15	Northbound	Passengers
<i>Other Items</i>	Jellyfish, adult & baby crabs, crab shells, oysters, waterbugs, fish, Canadian			

	geese, bees, flies, sponges, tadpoles, butterflies, flock of geese			
<i>Questions</i>	<ul style="list-style-type: none">• What causes water to ripple around the rocks?• What causes the water to be so dark• What forms currents• Where are the constant waves coming from			