

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
HARLEM RIVER MILE 13**

**Sherman Cove/Swindler's Cove Park on the Harlem River
Obed Fulcar, George Washington HS, MS 319 – 7-12th graders – 12 students**

Location: Beach at Sherman Cove Park, adjacent to Swindler Cove 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,

Plants in area: 50% of site is Phragmites

Water depth:

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				
Wind Speed				
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i> <i>Shady- 1ft. water</i>	4:04 PM	15°C		
<i>Turbidity</i>	4:04 PM	34.3 cm	sight tube	
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO Calm water in shade- (LaMotte modified winkler)	4:04 PM	4.0 ppm	15°C	40% saturated
pH – LaMotte	4:04 PM	7.0		
Salinity - hydrometer	4:04 PM	21.28 ppt		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Size</i>
4:04 PM	20	mummichogs		
<i>Core Sample Sediments</i>	<i>Whole core</i>	<i>Top layer</i>	<i>Bottom layer</i>	<i>description</i>

	3 inches – mixed grain	1 inch – top layer turned grey with a gunpowder like smell. We hypothesized that this was perhaps oxidation from exposure to air.	2 inch - dark color at first ,	rotten egg smell – H ₂ S
Traffic	Frequent Commercial traffic Northbound on the Harlem River by Circle Line, full of passengers. Some Rowing and Kayacking.			
Other Items	Birds Observed: Bluejays, Salt Marsh Sparrows, Swift, Mockingbird, Crow Red Tail Hawk, Black crown Night Heron.			