

**Snapshot Day 10/18/11**  
**(Salt Front RM 35.7)**  
**RIVER MILE 14**  
**Inwood Hill Park Nature Center, NYC**  
**Susan Vincent - Young Women's Leadership School – 12<sup>th</sup> grade – 29 students**  
**Kat Allen, LDEO**  
**Latitude 40° 50'N/ Longitude 73° 55 W**



**Location:** In the cove of Inwood Hill Park

**Area:** Forested

**Surrounding Land Use:** Forested 60%; urban residential 10%; Industrial/commercial 10%; 20% paved. Pier, bulk-headed, rip rap shoreline. Forested and used by people for picnics, jogging, sitting on park benches.

**Sampling Site:** large riprap on shoreline, drainage pipes in area, vegetation

**Plants in area:** Yes less than half area has plants. 10% of water area has plants. 10% mud wort, 10% common reed, 10% reed grass

**Water depth:** 55 cm

**River Bottom** – muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:03 AM	64 °F 18.5 °C	12:49 PM	64 °F 18.5 °C
Wind Speed	1 Beaufort			SE
Cloud Cover	Partly cloudy	Windy with rain in the AM		
Weather today	Temperature cooled during day as wind picked up			

Weather recently	Windy			
<b>Water Temperature</b>	11:40 AM	17.8 °C 17.9°C 17.8 °C	64.4°F 64.22 64.4	17.83°C 64.48 °F
	12:00 PM	17.6 °C 17.7°C 17.7 °C	63.68°F 63.86 63.86	17.66°C 63.8 °F
	12:20 AM	17.3 °C 17.7 °C 17.8°C	63.14°F 63.86 64.4	17.6°C 63.8°F
	12:40 PM	17.6 °C 17.8 °C 17.9°C	63.68°F 64.4 64.22	17.76°C 64.1 °F
<b>Water surface:</b>	calm			
<b>Turbidity</b> (long Site tube)_	1:02 PM	19.2 cm 29.2 cm 20.9 cm		Average 23.1 cm
<b>Chlorophyll</b>	12:25 PM	5.0		
<b>Chemical</b>				
DO meter	11:25 AM	6.24 mg/L	Temp.17.7° C	69.9%
pH	11:25 AM	6 6 7.4	6.46 avg.	meter.
Salinity – tested every 15 mins.	11:25 AM	3.6 ppt 5.9 ppt 7.8 ppt	5.76 ppt average	YSI meter
		]		
<b>Fish Catch</b>	<b>Number Caught</b>	<b>Species</b>	<b>CPUE</b>	<b>Seine</b>
Used seine 4 mm/4 m net, minnow trap and dip net	5	Mummichog	60-70 mm	
	1	Blue Crab	1 cm	
<b>Tides</b>	10:56 AM	50 cm		
	11:11 AM	54 cm	Rising	
	11:27 AM	57 cm	Rising	
	11:43 AM	60 cm	Rising	
	12:00 PM	67 cm	Rising	
	12:15 PM	69 cm	Rising	
	12:32 PM	73 cm	Rising	
	12:47 PM	76 cm	Rising	
	1:02 PM	80 cm	Rising	
<b>Currents</b>	11:22 AM	266cm/60 secs	4.43cm/sec	0.09 kts. N/Flood
	11:41 AM	272 cm/60 secs	4.53cm/sec	0.09 kts.

				N/Flood
<i>Traffic</i>	12:00 PM	Circleline	Southbound	
	11:00 AM	Yacht	Southbound	
<i>Sediment Core description</i>				
<i>Other observations</i>				