

**Snapshot Day 10/8/09 Data  
(Salt Front RM 60.3)**

**RIVER MILE 14**

**Inwood Hill Park Nature Center, NYC**

**New York City Park Rangers**

**Susan Vincent - Young Women's Leadership School – 12<sup>th</sup> grade – 24 students**

**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.

**Water depth:** 55 cm @ 10:30 AM; 105 cm @ 12:30 PM

**River Bottom** – mostly mud with large rocks, some vegetation

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:58 AM	68 °F 20 °C	11:30 AM	68 °F 20 °C
Wind Speed	2 Beaufort	6-11 kts	4-6 mph	North
Cloud Cover	Partly cloudy			
Weather today	Temperature cooled during day as wind picked up			
Weather recently	Windy and some rain			
<i>Water Temperature</i>	11:10 AM	17.9 °C 17.6 °C 18.3 °C	64.22°F 63.68 64.94	17.93°C 64.28 °F

	11:40 AM	18.0 °C 18.4 °C 18.5 °C	64.40°F 65.12 65.13	18.3°C 64.94 °F
	12:10 AM	18.7 °C 18.8 °C 18.6°C	65.99°F 65.84 65.98	18.7°C 65.66°F
	12:23 PM	18.5 °C 18.4 °C 18.5°C	65.3°F 65.3 65.12	18.48°C 65.24 °F
<b>Water surface:</b>	choppy			
<b>Turbidity</b> (long Site tube)_	10:50 AM	41.5 cm 39.75 cm 33.5 cm		Average 38.25 cm
<b>Chlorophyll</b>	11:30 PM	0.1		
<b>Chemical</b>				
DO meter	11:28 AM	8.46 mg/L	Temp.18.4° C	84.7%
pH	11:30 AM	7.7 7.6 7.7	7.7 avg.	meter.
Salinity	11:28 AM	9.2 ppt 8.8 ppt 10.1 ppt	7.7 ppt average	YSI meter
<b>Conductivity</b>	11:28 AM	13.18 mS 13.59 mS 14.92 mS	13.9 mS	meter
<b>Fish Catch</b>	<b>Number Caught</b>	<b>Species</b>	<b>CPUE</b>	<b>Seine</b>
Used seine 20 ft. Pull 30 ft. -	1	White perch	12 inches	+ minnow traps (nothing caught in traps)
Seined – 2 times	2	Blue Crab		
<b>Tides</b>	11:15 AM	90	Rising	
	11:45 AM	100	Rising	
	12:15 PM	105	Rising	
<b>Currents</b>	11:15 AM	923 cm/60 secs	815.38cm/sec	0.30 kts. S/Flood
	12:00 PM	923 cm/60 secs	815.38cm/sec	0.30 kts. S/Flood
<b>Traffic</b>	11:20 AM	Circleline	Northbound	Loaded - people
<b>Sediment Core description</b>	7 inch core	0.9 top	5.7 inch bottom	
<b>Other observations</b>				