

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 14**

**Inwood Hill Park Nature Center, NYC
Sgt. Taylor, New York City Park Rangers
Matthew**

**Susan Vincent - Young Women's Leadership School – 12th grade – 24 students
Latitude 40° 52.509'N/ Longitude 73° 55.28'W**



Location: In the cove of Inwood Hill Park

Area: Forested

Surrounding Land Use: Forested 85%; urban residential 5%; Industrial/commercial 2%; 8% estuary: pipes that exit sewage, drainage, main pipes. 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: Phragmites australis 10%, Spartina Alterniflora 10%, most of plants unidentified

Water depth: 15-100 cm where seining

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	9:30 AM	57 °F	1:00 PM	67 °F
Wind Speed	2.5 Knots	NW		
Cloud Cover	clear			
Weather today	Temperature warmed during day, wind calmed			
Weather recently	Sunday light rain, cloudy; Monday sunny but cool			
<i>Water Temperature</i>	11:16 AM	17.8 °C 18.2 °C 17.6 °C		17.9°C
Water surface:	calm			
<i>Turbidity (long Site tube)</i>	11:30AM	57.2 cm 75.0 cm		Average 79.1 cm

		75.6 cm 84.0 cm 86.0 cm 97.0 cm		
Chlorophyll	12:30 PM	2.0 water's edge	0.7 10 m from edge	
Chemical				
DO (drop count kit)	11:16 AM	7.42 mg/L	Temp.17.8° C	75%
pH	12:38 AM	7.4 7.6 7.8	7.6 avg.	Indicator sol.
Phosphate				
Nitrate	12:56 PM	5.0 0 0		1.67 mg/L
Alkalinity				
Salinity	11:25 AM	9.6 ppt 6.5 ppt 7.1 ppt	7.7 ppt average	YSI meter
Conductivity	11:16 AM	14.42 mS 7.46 mS 9.98 mS	10.62 mS	meter
Fish Catch	Number Caught	Species	CPUE	Seine
Used seine 12 ft. Pull 18 ft. -	2	Grass Shrimp		Seine net
Seined – 3	2	Atlantic Silverside		
	2	Blue crab		
	17	mummichogs		
12:30 PM	7 catch	15 ft. pull	1.3 CPUE	Seine 1
12:45 PM	4 catch`	15 ft. pull	0.8 CPUE	Seine 2
1:00 PM	19 catch	15 ft. pull	3.7 CPUE	Seine 3
Tides	11:25 AM	15cm	Rising	
	11:40 AM	24cm	Rising	
	11:55 AM	28cm	Rising	
	12:10 PM	33 cm	Rising	
	12:25 PM	38 cm	Rising	
Currents	11:25 AM	480 cm/60 secs	8cm/sec	0.16 knots
	12:35 PM	490 cm/60 secs	8.2 cm/sec	0.163 knots
Traffic	12:03 PM	Circleline	Northbound	Loaded - people
Sediment Core description	19 cm core	No layering	Very fine silt	Collected 10 m from shore
Other				

observations

Snapshot DayRecording Sheet IV - Sketch Map of the Sampling Site

Include a compass rose and rough scale. Label landmarks or notable features. Indicate specific locations where you sampled.

