

Snapshot Day 10/16/14
(Salt Front RM 65.9)
RIVER MILE 14
Inwood Hill Park Salt Marsh, NYC
Carolina Castro – Riversdale Kingsbridge Academy, Bronx-
20 students, 10th graders, 4 adults
Latitude 40.8°N/ Longitude 73.9 W

Location: In the cove of Inwood Hill Park

Area: Forested, grassy

Surrounding Land Use: Forested 60%; urban residential 10%; Park with Ballfield 30%.

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: none in the water

River Bottom – muddy with large rocks by shore

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:38 AM	14.5 °C	58°F	
	11:50 AM	15.6°C	60 °F	
<i>Cloud Cover</i>	Overcast	<i>Wind</i>	1.6 mph	Wind from South
Weather today	Humid, precip.	Drizzle to moderate rain for the morning		
Weather last 3 days	Unseasonably warm			
<i>H2O Temperature</i>	1:00 PM	17.8°C 17.8 18.3	64°F 64 65	<i>Average</i> 18°C 64.3°F
<i>Water surface:</i>	Water calm			
<i>Turbidity</i> (long site tube)	12:19 PM	54 cm 44 cm 31 cm		<i>Average</i> 43 cm
<i>Chemical</i>				
DO – drop count kit	11:54 AM	18.3 °C	5 mg/L	50% Saturated
pH – color match test kit	11:11 AM	7.5 7.5 8.0	8.0	7.7
Salinity	Not Read			
<i>Tides</i>	<i>Time</i>	<i>Rising/Falling</i>	<i>Height in Cm</i>	<i>Rate of Tidal Change</i>
	10:22 AM	Rising	23 cm	
	10:40 AM	Rising	30 cm	2.57 cm/min
	10:58 AM	Rising	35.5 cm	3.27 cm/min
<i>Currents</i>	10:38 AM	47 cm/30 secs	1.6 cm/sec	South/mainly still
A pier just out to the left of where the orange was thrown and may impact the current				