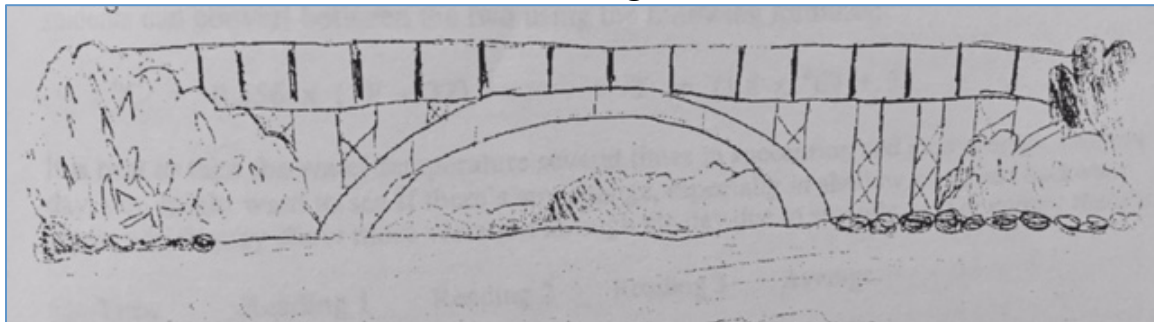


**Snapshot Day 10/20/16**  
**(Saltfront ~RM 83)**  
**RIVER MILE 14**  
**Inwood Hill Park Nature Center, NYC**



**Carolina Castro – Riverdale Kingsbridge Academy - 10<sup>th</sup> grade –**  
**30 students, 4 adults**

**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 40%; park/recreation; 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:**

**Water depth:** 3-4 feet

**River Bottom –** muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	63 F 17.2 C		
Wind	10:30 AM	Beaufort 1.5		
Cloud Cover	26-50%	Partly		

		cloudy		
Weather today	No rain			
Weather recently	Warm and dry			
<b>Water surface:</b>	calm			
<b><i>H2O Temperature</i></b>	11:04 AM	20 C 20 20	Average 20 C	
	12:02 PM	20 C 20 20	Average 20 C	
	12:15 PM	20 C 20 20	Average 20 C	
<b><i>Turbidity (long site tube)</i></b>	11:00 AM	15 cm 16 cm 13 cm	Average 14.3 cm	
<b><i>Chemical</i></b>				
DO Drop Count test kit	12:00 PM	2 ppm – cited possible error	20 C	22% saturated
pH	11:35 AM	7 7 7	7 Average	
Salinity – refractometer	NR			
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>CPUE</i></b>	<b><i>Seine</i></b>
Seine 12:00 PM	2	Atlantic Silverside		<b>DIV 1 TOTAL 2</b>
<b>Tides</b>	<b>Time</b>	<b>Height</b>	<b>Rise/Fall/Unch</b>	<b>Rate of Change</b>
	10:39 AM	92.4 cm	Rising	Start
	11:00 AM	102.3 cm	Rising	0.495
	11:20 AM	111 cm	Rising	0.435
	11:40 AM	119.4 cm	Rising	0.42
	12:00 PM	129 cm	Rising	0.48
<b>Currents</b>	<b>Cm/30 sec</b>	<b>Cm/sec</b>	<b>knts</b>	<b>N/S Ebb/Flood</b>
10:50 AM	250/30	8.3	0.161	N still
11:20 AM	111/30	3.7	0.072	N still
11:49 PM	500/30	16.67	0.324	N flood
Measured on the left channel not main body				
<b><i>Shipping</i></b>	Circleline	Northbound	Loaded with people	No time listed

