

Snapshot Day 10/12/17
(Saltfront ~RM 65)
RIVER MILE 14
Inwood Hill Park Nature Center, NYC
Carolina Castro – Riverdale Kingsbridge Academy - 10th grade –
30 students, 4 adults
Latitude 40°87'N/ Longitude 73°92 W

Location: In the cove of Inwood Hill Park

Area: Forested

Surrounding Land Use: Forested 70%; urban residential 30%; 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: none in the water

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	11:09 AM	59 F C	11:39 AM	59 F C
Wind				
Cloud Cover	51-75%	Mostly Cloudy		
Weather today	Drizzly in the AM of collection			
Weather recently	Warmer than today			
Water surface:	calm			
<i>H2O Temperature</i>	11:06 AM	15 C 17 17	59 F 62.6 F 62.6 F	Average 61.4 F 16.33 C
	11:34 AM	13 C 19 16	55.4 F 66.2 F 60.8 F	Average 60.8 F 16.0 C
<i>Turbidity (long site tube)</i>	11:05AM	57 cm 37 cm 22 cm	Average 39 cm	
<i>Chemical</i>				
DO - Drop Count test kit	NR			
pH – color match kit	11:01 AM	7.4 8 7.6	7.6 Average	
Salinity – hydrometer	12:30 PM	20 20 20	20 ppt	
<i>Fish Catch</i>	<i>Number</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
	NR			

Tides	Time	Height	Rise/Fall/Unch	Rate of Change
	11:00 AM	89 cm		Start
	11:20 AM	89 cm	Unchanged	
	11:30 AM	95 cm	Rising	0.6 cm/min
	12:00 PM	100 cm	Rising	0.16 cm/min
	12:30 PM	100 cm	Unchanged	0 cm/min
	12:45 PM	100 cm	Unchanged	0 cm/min
	1:00 PM	100 cm	Unchanged	0 cm/min
Currents	Cm/30 sec	Cm/sec	North/South	Ebb/Flood
10:40 AM	0.35		-	still
10:55 AM	2.8		South	ebb
There is a pier by the closed nature center that may affect the currents				
<i>Shipping</i>				