

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 11.5 – Fort Washington Park
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52 students 6th grade, 10 adults
Latitude 40°50.769' N - Longitude 73.°56.780'W

Location: Fort Washington Park just South of the George Washington Bridge

Area: Pier, grassy, park/Boat launch, used for picnics, boating and fishing

Surrounding Land Use: : 20% forested, 80% grass park land

Sampling Site: Park with a lot of trees, picnic tables, covered with vegetation, riprap shore, collected wood debris.

Plants in water:

Water depth: 2-3 ft.

River Bottom –muddy and rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:50AM 11:10 AM 11:33 AM 11:59 AM 12:17 PM	24°C 24 24 23 23		
Wind Speed	10:40 AM 11:10 AM 11:39 AM 12:17 PM	0 m/h 0 m/h 0.6 m/h 2 ,/h	Beaufort 1	
Cloud Cover	cloudy			
Weather today	Light drizzle 11 AM			
Weather last 3 days	Rainy, humid			
Water	calm			
<i>Water Temperature</i>	10:50 AM 10:54 AM 11:59 AM	21°C 20°C 21°C		
<i>Turbidity</i>	Short site tube	40 JTU		
<i>Chlorophyll</i>	11:03 AM 11:25 AM 11:45 AM 12:05 PM	0.3 0.3 0.6 0.6		
<i>Chemical</i>				
DO <i>Drop count</i>	12:27 PM	21°C	4 ppm	45% saturation
pH <i>Indicator solution</i>	10:50 AM 11:10 AM	7.0 7.5		

	11:20 AM 11:50 AM 12:21 PM	7.6 7.2 7		
<i>Phosphate</i>				
<i>Nitrates</i>				
Salinity <i>hydrometer</i>	10:50 AM 11:10 AM 11:20 AM 11:50 AM 12:24 PM	13 ppt 15 16 14 15		Average 14.6 ppt
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		
	3	Blue crabs		
<i>Tides</i>	10:00 AM	Rising	0 cm	
	11:07AM	Rising	18 cm	
	11:42 AM	Rising	27 cm	
	12:15 PM	Rising	30 cm	
	12:25 PM	Rising	31 cm	
<i>Currents</i>	<i>CM/60 secs</i>	<i>Cm/Sec</i>	<i>North/South Ebb/Flood/Still</i>	<i>Knots</i>
<i>10:00 AM</i>	0	0	Still*	*LT was at 6:06 AM so this was midcycle – perhaps stuck in an eddy
<i>12:03 PM</i>	84	1.4	North - Flood	
<i>Turbidity</i>				
<i>Core Description</i>	<i>Total Length</i>	<i>Top Layer</i>	<i>Second Layer</i>	<i>Describe</i>
<i>Commercial Traffic</i>	10:55 AM	Small sailboat	Southbound	N/A
	11:49 AM	Barge	Southbound	Half loaded
	12:18 PM	Circle line	North	loaded