

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)**

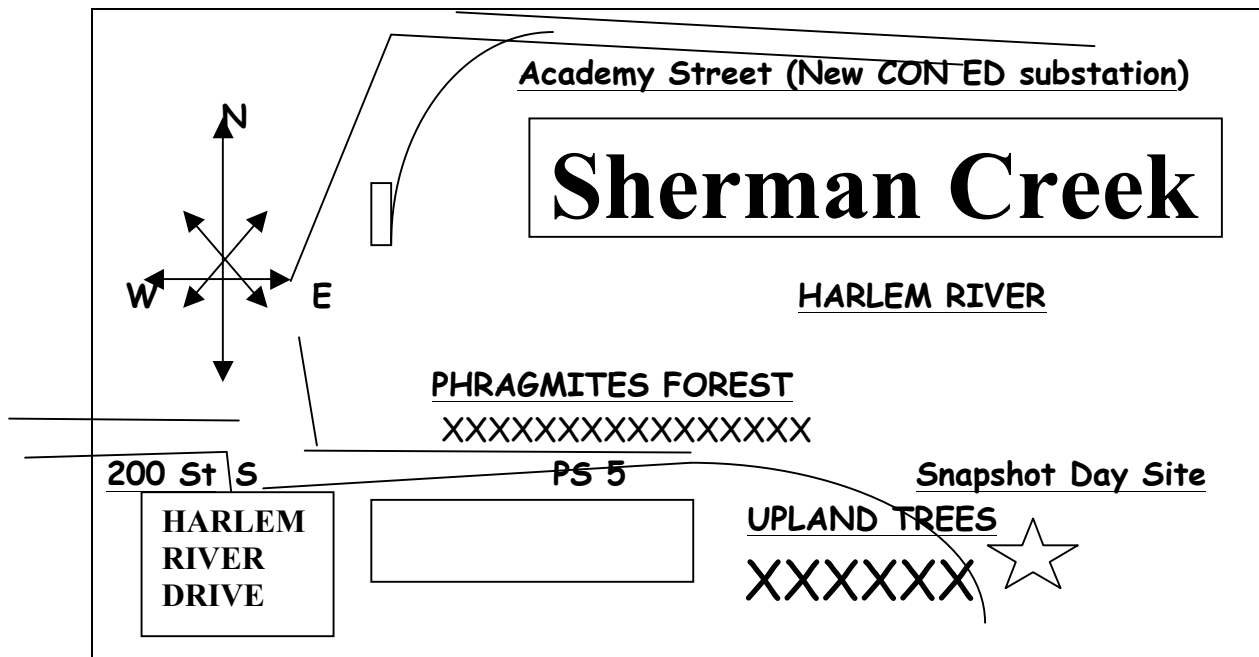
**HARLEM RIVER MILE 13b**

**Sherman Cove Park saltmarsh flats, Harlem River  
Obed Fulcar, Friends of Sherman Creek**

**MS319 Middle School/Children's Aid Society Afterschool program 6<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup>  
Bilingual**

**13 students, 2 adult – afterschool sampling start time 3:30 PM**

**GPS Latitude 40.857626 E (aprox) Longitude 73.921426 N (aprox)**



**SITE MAP**

**Location:** Saltmarsh/mudflats at Sherman Cove Park next to a side road/school building, adjacent to Swindler Cove next to the north end of Harlem River Drive, Manhattan – a forever wild area.

**Surrounding Land Use:** 40% urban/residential, 50% forested, 5% beach, 5% Industrial/commercial.

**Sampling Site:** Beach area, covered with vegetation - Sampled in salt marsh covered with phragmites on one side and a mudflat with gravel on the shore, pipe with 1 m diameter north of sampling site

**Plants in area:** Rocks covered with algae and cord grass spartina. 5% of water area has plants in it. 40% of site is invasive Phragmites, 20% other

**River Bottom:** muck/muddy bottom – water 1 ft. depth

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<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	4:55 PM	19.7°C	5:05 PM	19.4 °C
Wind Speed	N/R			

Cloud Cover	overcast			
Weather today	Clouds	No rain		
Weather recently	Rain event last 24 hrs.			
Water Conditions	choppy			
<b>Water Temperature</b>	4:45 PM 5:00 PM	19.8°C 19.7°C		
<b>Turbidity – Short site tube</b>	6:55 PM	40 JTUs		
<b>Chlorophyll</b>	5:15 PM	0.7		
<b>Chemical</b>				
DO – LaMotte greenforce kit – (note: this is a low resolution sample kit)	7:00 PM	0mg/L		
pH –	7:15 PM	7		
Salinity	Not read			
Phosphate	Not read			
Nitrate	7:00 PM	5 ppm		
<b>Fish Catch – 10 ft. net pull 30 ft., 31 fish caught</b>	<b>Number Caught</b>	<b>Species</b>		<b>Size</b>
	31	Silversides	5 inches	
<b>TOTALS FISH</b>	<b>31</b>	<b>Diversity Total</b>	<b>1</b>	
<b>Macroinvertebrates</b>	8	Blue crab (F)		
	4	Blue crab (M)		
	5	Jellyfish		
<b>Total Macros</b>	<b>17</b>	<b>Diversity Macro</b>	<b>2</b>	
<b>Tides</b>	4:45 PM	Rising		
<b>Currents</b>	Not read			
<b>Core Sample Sediments</b>				
<b>Recreational Traffic</b>	5:30 PM	Rowing shell		Southbound
	5:31 PM	Chase Boat		Southbound
<b>Other Items</b>	Seagulls, Canadian geese, bluejays, saltmarsh sparrow, Blue heron flying above. Red winged blackbird			