

**Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~RM 65)**

EAST RIVER MILE 13.5

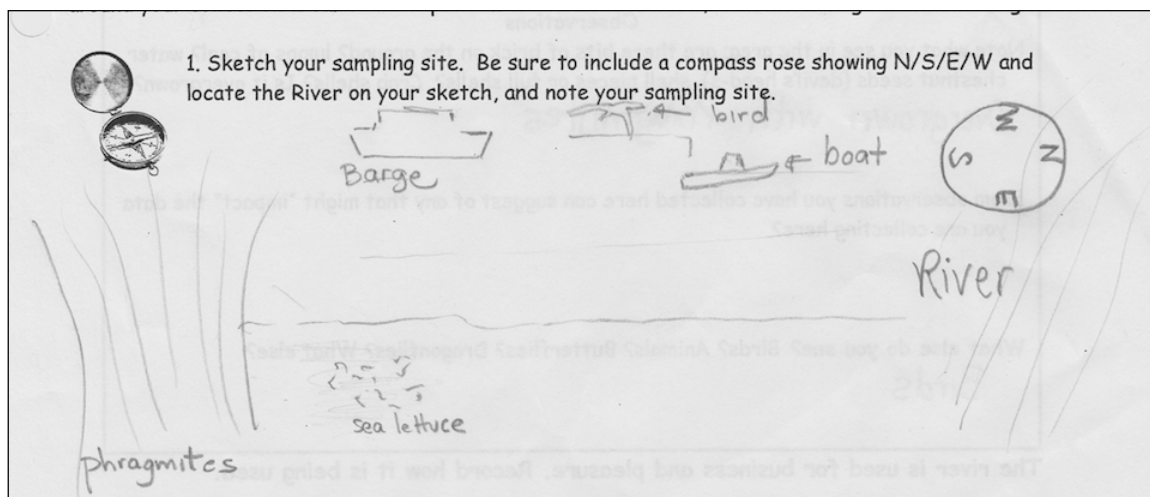
Ferry Point Park, Bronx NY

Steve Stanne, New York State DEC Hudson River Estuary Program

Linda Ewool, Renaissance High School of Musical Theater & Technology,

8 Chemistry Students (11th graders) and 2 adults

40.81° Latitude -73.84° Longitude



Location: Ferry Point Park beach, Bronx NY below the Bronx-Whitestone Bridge across the East River.

Area: Large park area used for picnics and sports with spartina covered marsh along the water and forested beyond

Surrounding Land Use: Beach and park. 50% sandy, 50% rocky

Sampling Site shoreline: sandy beach, tidal marsh area covered with dense spartina

Plants in area: 55% Phragmites Australis, 30% sea lettuce, 15% algae

River Bottom – sandy, rocky

Water: Calm, no waves

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	9:30-11:30 AM sampled			
Air Temperature	11:25 AM	21.5°C	68°F	
Wind Speed		2 to 4 Beaufort		
Weather today	11:00 AM	Slight Rain Overcast	Lasted ~ 30 minutes	
Weather recently	10/10 Partly cloudy	10/11 Mostly cloudy	10/12 Cloudy & rain	
<i>Turbidity – long site tube</i>	11:00 AM	58 cm	Water appeared	

			cloudy	
<i>Water Temperature</i>	3-4 ft. deep	22°C 71°F		
<i>Chemical –</i>				
DO –	11AM	22°C	8 mg/L	90% saturated
pH – indicator solution	NR			
Salinity – 11:20 AM	<i>Hydrometer</i>	24 ppt	<i>Refractometer</i>	30 ppt
<i>Fish Catch - Seine net 30 feet X 4 ft., 1.4 inch mesh-</i>	<i>Number Caught –</i>	<i>Species</i>	<i>Size of largest</i>	<i>Notes</i>
11:00 AM - FISH 3 hauls	3	Atlantic Silverside	8 cm	DIV 3
	12	mummichogs	5 cm	
	1	Northern pipefish	18 cm	
macroinvertebrates	1	Spider crab	Tiny	DIV 6
	1	Green Crab		TOTALS 3 crab + others
	1	Blue Crab	Tiny	
	Not tallied	Ctenophore (Leidy's comb jelly)		
	Too many to count	Shrimp – 2 types - mostly Palemonetes		
MACRO INV	DIV 3			
<i>Tides</i>	NR			
<i>Currents</i>	NR			
<i>Sediment Core</i>	TOP	BOTTOM		
	NR			
<i>Commercial Traffic</i>	<i>Time</i>	<i>Color</i>	<i>N/S</i>	<i>Loaded/Light</i>
	11:00 AM	Dark color vessel	Not moving	loaded
We also saw what appeared to be a Coast Guard boat traveling northbound				
Other Observations – area is full of reeds. Birds!				