

Day in the Life of the Hudson River 10/12/17 Data

RIVER MILE -4.1

(Salt Front ~ RM 53)

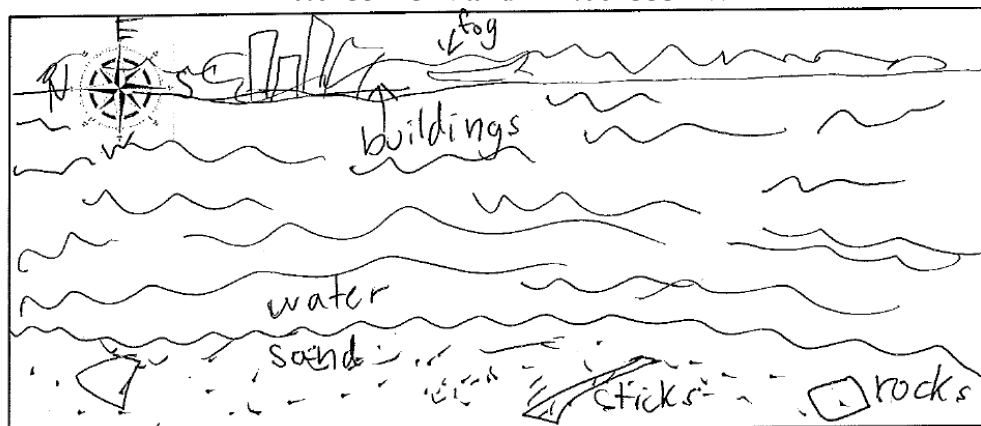
Austen House, Buono Beach, Staten Island, NY

Mary Leou, Christina Edsall

Wallerstein Collaborative for Urban Environmental Education/NYU (6 Adults)

Michele Rieb & Deborah Esposito and (39) IS 27 students

40.6153115 N and ~74.0625551 W



Location: Buono Beach at Alice Austen House, north shore of Staten Island

Area: Waterfront walkway and beach area. Mainly sand with vegetation

Surrounding Land Use: 60% urban/residential, Industrial/Commercial 40% beach

Shoreline: 40% sandy beach with 60% rocky and RipRap

Sampling Site: sandy, rocky bottom

Plants in area: None

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:52 AM 12:55 PM	59°F 60	15°C 15.5	
Wind Speed	High winds			
Cloud Cover	10:00 AM - noon	Overcast		
Weather today	1:00 PM light mist			
Weather recently	Rain on Sunday (this is Tuesday)			
Water description	Calm – green and murky			
<i>Water Temperature – 1 ft. depth</i>	10:54 AM 12:54 PM	61 °F 59 °F	16.1°C 15°C	
<i>Turbidity – 60cm site tube</i>	10:18 AM	58 cm 54 cm 56 cm		<i>Average</i> 56 cm
<i>Chemical</i>	Time	DO	Temp	% Sat
DO	10:25 AM	6ppm	16.1°C	60%
Chemets Kit	12:30 PM	5.5 ppm	15	55%
pH –				<i>Average</i>
- Test Strip	10:44 AM	6.4	6.6	6.5
- Color Match Kit	12:33 PM	7	7.2	7.1

Salinity	Time				
<i>hydrometer</i>	10:19 AM 12:03 PM	17, 16 ppt 15, 15 ppt	Average 16.5 ppt Average 15 ppt		
Commercial Vessel	10:48 AM 10:58 AM 12:52 PM	Tour Pilot #2 Cargo	White B&W Red	North North North	Light Light Loaded
Recreational Vessel	11:01 AM	Yacht	White	South	
Other Observations	-Driftwood, Japanese knotweed, seeds, rocks, trash on beach - plants and waterfowl				