

Day in the Life of the Hudson River 10/12/17
(Salt Front RM 65)
HARLEM RIVER MILE 13
Swindler's Cove Park on the Harlem River
Nina Salzman and the New York Restoration Project Staff (4)
Emma Ryan – 7th grade Dwight School of Excellence (454 students), 4 adults

Location: Beach at Swindler Cove Park, next to the north end of Harlem River Drive, Manhattan

Area: There is a pier, beach, floating boathouse with a dock. Area used for boating, rowing, biking, walking, school groups- forested and grassy area

Surrounding Land Use: 50% beach, 50% Industrial/Commercial

Sampling Site: Sandy, muddy beach area, covered with vegetation, riprap banks

Plants in area: grass, sycamore trees

Water depth:

River Bottom: muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Sampling occurred between 10:00 AM to 2:00 PM			
Air Temperature	10:55 AM 11:17 AM	16 °C 15 °C	12:11 PM 12:49 PM	19°C 18°C
Wind Speed	10:30 AM 11:09 AM 12:01 PM 12:45 PM	8.7 mph 11.8 11 6.5		
Cloud Cover	10:55 AM 10:57 AM 11:20 AM 12:08 PM 12:52 PM	Overcast	>75% >75% >75% 75% >75%	
Weather today	No rain			
Weather recently	rained in the morning, the night before but now it is not rainy just humid			
Water	choppy			
<i>Water Temperature</i>	10:53 AM	20.6°C	69°F	
<i>Turbidity – long site tube</i>	NR			
<i>Chemical</i>	TIME	DO	Temp	
DO	10:40 AM 11:48 AM	5 ppm 5	15°C	50% 50 % saturated
	12:30 PM 12:33 PM 12:35 PM	4 ppm 4 4	20.6°C	40 % 40% 40%
pH –	10:53 AM	6.5		
	11:22 AM	6.5		
	12:26 PM	6.5		
	12:45 PM	6.5		

Salinity – hydrometer	10:58 AM 11:31 AM 12:33 PM 12:52 PM 1:52 PM	25.5 ppt 24 25 24 24.5			
<i>Fish Catch –</i>	<i>Species name</i>	<i>Group 1</i>	<i>Group 2</i>	<i>Group 3</i>	TOTALS
	Oyster toadfish	1	2	2	5
	Bay Anchovy	2	0	0	2
<i>TOTALS</i>	<i>DIV</i>	2	<i>TOTAL CATCH</i>	7	
<i>Macros</i>	Shrimp	1	1	3	5
	Aquatic Isopod	87	6	Many	93+
	Mud crab	1	0	2	3
	Sea Squirt	3	0	None	3
	Ribbed Mussels	0	0	Many	many
	Oysters	5	0	Many	5+
	Moon Jellies	0	1	0	2
	Comb Jelly	1	0	1	3
<i>TOTALS</i>	<i>DIV</i>	8	<i>TOTAL CATCH</i>	114+	
<i>Tides</i>	10:40 AM 11:00 AM 11:20 AM 12:27 cm	392 cm 371 cm 371 cm 140 cm			
<i>Currents – 15 sec intervals</i>	10:40 AM 11:34 AM 12:15 cm 12:17 cm	14.5 cm/sec 65 cm/sec 52 cm/sec 72.2 cm/sec			
<i>Core Sample Sediments</i>	<i>Length</i>	<i>Common</i>	<i>Abundant</i>	<i>Description</i>	
<i>2 cores – same content</i>	15 cm and 10-15 cm	Mud Sand Gravel Pebbles Brick	Clay		