

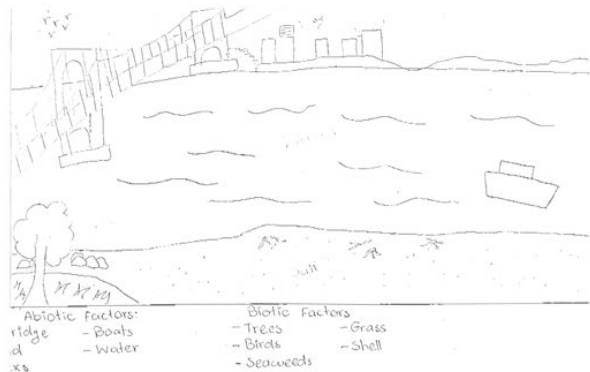
Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~ RM 65)
RIVER MILE: ER 13.7
Frances Lewis Park, Queens, NY
Mirela Shpuza-Shurdha
International HS for Health Sciences
30 students– 10th grade, Living Environment 10 adults total



Mirela and her students reflect the incredible international diversity of their school. Her 30 students, all recent arrivals to the United States, were from Honduras, Dominican Republic, Guatemala, Haiti, Columbia, Ecuador, Yemen, Iran, Bhutan, Bangladesh, India, Nepal, Laos, China and the Philippines. Their faculty were from Guyana, Dominican Republic, and Albania.

40.79N, 73.82W

Location: Frances Lewis Park in Queens
Area: Forested and grassy near site, pier
Surrounding Land Use: Forested and beach
Sampling Site: Park area
Shoreline: Sandy, rocky, beach
Plants in area: none
Water: Choppy
River Bottom description: muddy



	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:50 11:20 12:10	16°C 16°C 16°C		
Wind Speed	10:50 11:20 12:10	13-18mph 8-12mph 13-18mph		
Cloud Cover	Mostly Cloudy			
Weather today	Cloudy, windy, cold			
Weather past 3	Breezy, sunny, cool			

<i>Water Temperature</i>	10:50 11:20 12:10	16°C 20°C 18°C	60.08°F	
<i>Turbidity – long site tube</i>	10:50 11:20 12:10	60cm 47cm 60cm		
<i>Chemical</i>	<i>Time</i>	<i>Water Temp</i>	<i>ppm</i>	<i>Method</i>
pH – indicator solution	10:34 10:41 10:55 11:15 11:15 12:14 12:25	15°C 16 15 10.5 10 20 16	6 8 6 5.5 8 6 8	Hydrion paper Wide range pH kit Hyrdion Hydrion Wide range Hydrion Wide range
<i>Salinity -</i>	10:34 10:41 11:15 11:15 12:14 12:25	15°C 16 10.5 10 20 16	30ppt 30 38 30 30 30	hydrometer
DO -	10:34 11:15 12:14	15°C 10.5 20	3.7mg/L 7.6mg/L 8.2mg/L	Method: LaMotte kit
<i>Fish Catch – 10 ft. net</i>	<i>Number</i>	<i>Species</i>	<i>description</i>	
<i>Fish - 11:05 AM</i> <i>DIV - 1</i> <i>TOTAL - 15</i>	15-20	Atlantic Silverside	silver, shiny, slimy, long body, small	
<i>Macro</i>	1	Shrimp	Small, transparent, it can jump, hard to see	
<i>DIV - 2</i> <i>TOTAL - 3</i>	2	Shell (hermit) crabs	Small, pointy shell, hide and live in the shell	
	<i>DIV 3</i>	<i>TOTAL</i>	<i>202</i>	
<i>Currents</i>	<i>Time</i>	<i>Cm/30 secs</i>	<i>Cm/sec</i>	<i>Direction</i>
	11:20 am	635 cm/30 sec	21.2 cm/sec	Westward
<i>Boat Traffic</i>	10:20	-White boat -1 Red, white, black, Speedboat -3 white	Not moving Fast moving Not moving	Light Light

		speedboats -1 white speed boat -Large black boat	-North bound	Light Loaded
<i>Other</i>	Lots of birds flying around and ducks.			