

**A Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE East River 1 East – Empire Fulton Ferry**  
**Kara Gilmour & Isa Del Bello, Brooklyn Bridge Park Conservancy**  
**Giannina Zlatar, The Brooklyn Waldorf School, 17 - 5<sup>th</sup> graders**  
**40.7°N - 74°W**



<p>1. Sketch your sampling site. Be sure to include a compass rose showing N/S/E/W and locate the River on your sketch, and mark where your sampling site is.</p> <p>2. What is the surrounding land type at your site. Is it pier? Forested? Grass? Parking?</p>	<p>Observations &amp; Sketches:          Sketch One Species. Comment on the diversity, of your catch, a specific species, the size, ...          – whatever catches your attention....</p>
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**Location:** South of the Manhattan Bridge @ Brooklyn Bridge Park  
**Area:** 100% Urban/residential, 15% beach  
**Surrounding Land Use:** Pier, bulkhead, riprap lots of commercial boats, fishing  
**Sampling Site:** Rocky, sandy shoreline with rip rap, bulkhead, banks altered, piping entering river  
**Plants in area:** no plants noted in water  
**Water depth:** 10%  
**River Bottom** –sandy, muddy, rocky  
**Times** – 6:30-8:30 AM

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	8:05 AM	20°C 64 °F		
Wind Speed				
Cloud Cover	Mostly cloudy			
Weather today	Damp, humid			
Weather last 3	Some rain, cloudy periods			

days				
<b>Water Surface</b>	Calm			
<b>Water Temp.</b>		22 °C		
<b>Turbidity - secchi</b>	7:45 AM	40-46 cm		
<b>Chlorophyll</b>	7:55 AM	2.0		
<b>Chemical</b>				
DO				
pH				
Salinity – hydrometer	6:30-8:30 AM	25.5 ppt	22°C	
<b>Fish Catch – seine 20 ft.</b>	6:30 AM	Atlantic Silverside	1	1.5 inch
		Blue Fish	1	3 inch
		White Mullet	1	3.5 inch
		Periwinkle Snails		.25 inch
<b>Tides</b>	6:30 AM	0 cm		
	8:00 AM	36 cm	rising	
<b>Currents</b>				
<b>Other Items</b>				
<b>Core Description</b>	<i>Length</i>	<i>Abundant</i>	<i>Rare</i>	<i>No H2S smell</i>
7:15 AM	13 cm length	Sand and gravel	Pebbles, brick and coal	No oxidized top,
<b>Commercial Shipping</b>	6:35 AM	Red boat	Southbound	Loaded
	6:50 AM	East River Ferry – white/black	Southbound	Light
	6:55 AM	Seastreak - white	Southbound	Light
	7:05 AM	East river ferry – blue roof	Southbound	Loaded
	7:10 AM	Policeboat – black/white	Southbound	Light
	7:15 AM	Seastreak again– blue	Northbound	Light
	7:15 AM	East river ferry again	Northbound	
	7:20 AM	Pegasus – blue	Southbound	Loaded
<b>Observations</b>	No shells, saw buildings, parks, bridge, some crumbled pieces of brick. Big wave – shoe gone in water!			