

**Day in the Life of the Hudson River 10/4/12 Data  
RIVER MILE 76**

**Waryas Park, Poughkeepsie, Dutchess County**

**Brian Reed, Lynn Fordin, Sue Parise, Poughkeepsie Day School, 38 students, 2<sup>nd</sup>-3<sup>rd</sup> gr.**

**N 41°7' – W 73°9'**



**Location:** Waryas Park, Poughkeepsie, New York.

**Area:** public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

**Surrounding Land Use:** 40 % urban/residential; 20% Industrial/commercial; 40% park area with grass and waterfront docks

**Sampling Site:** shoreline is riprap, vegetation, banks altered, pier

**Plants in area:** Yes – small percentage

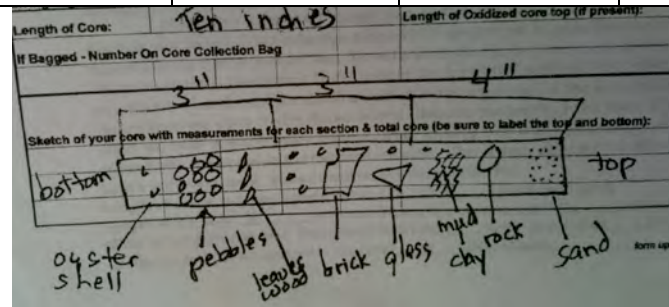
**Tidal Shallows:**

**Water depth:** 3 meters

**River Bottom** –muddy

**Sample Times 9:30-11:30 AM**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1			
Wind Speed	10:30 AM	#0-1	Didn't register on meter	
Cloud Cover	overcast	10:30-11:30	Steady drizzle	
Water	Calm			
Observations	Steady drizzle, foggy weather from 9:30-11:15. Overcast whole time, no breeze			
<i>Water Temp.</i>				
<i>Turbidity – long site tube</i>	10:00 AM-noon	56 cm 62 cm 47 cm	*turbidity increased after rain	Average 55 cm
<i>Chlorophyll</i>	10:00 AM	0.2	Noon	1.5
<i>Chemical</i>				
DO				
pH –				

Salinity -				
<b>Fish Catch – 10foot net</b>	<b>Number Caught</b>	<b>Species</b>	<b>Largest</b>	
9:30-11:30 AM	47	Banded Killifish	8 cm	<b>Diversity 8</b>
	3	Tessellated Darter	7 cm	<b>Totals 75</b>
	18	Spottail Shiner	10 cm	
	1	Striped Bass	9 cm	
	2	Pumpkinseed Sunfish	6 cm	
	1	Smallmouth Bass	11 cm	
	1	Eel	18 cm	
	2	Blue Crab	~1.75 cm	
<b>Tides</b>	<b>Tide stick fell victim to a huge wake from a passing ship</b>			
<b>Currents</b>	9:30 AM	810 cm/60sec	13.5cm/sec	Flood
	10:45 AM			Still
	11:30AM	1200 cm/60sec	20cm/sec	flood
<b>Core</b>	<b>Length of Core</b>	<b>Rare</b>	<b>Common</b>	<b>Abundant</b>
	10 inches 4 inch top 6 inch bottom	Clay, pebbles, leaves, wood, brick, slag	Mud, gravel, shells (tiny pieces)	sand
	 <p>Length of Core: Ten inches Length of Oxidized core top (if present): If Bagged - Number On Core Collection Bag Sketch of your core with measurements for each section &amp; total core (be sure to label the top and bottom): Labels: oyster shell, pebbles, leaves, brick, glass, mud, clay, rock, sand, top, bottom</p>			
<b>Observations</b>	<p><b>Boat Station:</b> Lots of river traffic - crew rowers; tug and oil barges. Pleasure motor yachts; ocean going ships - The cruise ship was loading for an excursion, singing, and then heading out with a horn blast that the kids loved (woke them right up!).</p> <p><b>Seine Station:</b> We were 3 classes of second-third graders. Each class did three or more sweeps of the net totaling 9-10 seines. First group had an abundance of spottail shiners, most managed to survive! The most exciting was coming up with the juvenile blue-claw crab – less than 2 cm across – and the eel. Interestingly, almost everything we caught was 7 cm. The larger lengths recorded here are the one exception for the most part.</p>			