

**Day in the Life of the Hudson River 10/23/14 Data  
(Salt Front RM 61.1)**

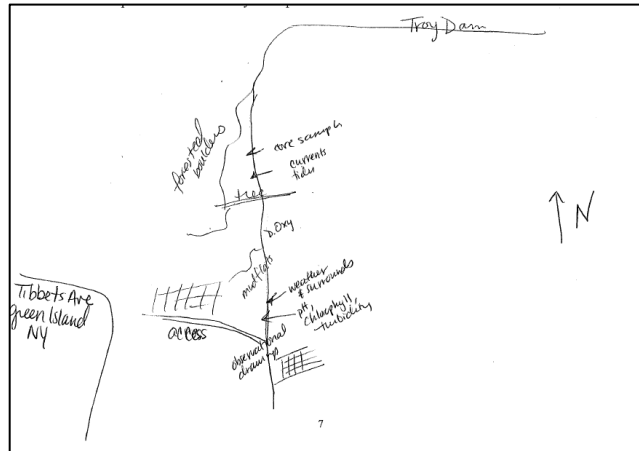
**RIVER MILE 153**

**River Park, Green Island Park, Green Island NY**

**Kate Perry & Lynn Schuster, Robert C. Parker School**

**50 students - 2<sup>nd</sup> & 3<sup>rd</sup> and 6<sup>th</sup> and 7<sup>th</sup> grade students, 10 adults**

**42.74 N -73.69 W**



**Sampling Site**

**Location:** Green Island Park boat ramp, below the Troy Dam, Albany County, NY

**Area:** park above bluff and then beach below just south of the Troy dam

**Surrounding Land Use:** Forested, Rocky, Fishing access, gravel, some vegetation

**Sampling Site:** 100% industrial/commercial

**Shoreline:** Rocky, broken concrete docking, very rocky shoreline, slag, concrete at the launch, brick pieces, vegetation, pipe directly across sampling site

**Plants in water:** very few plants in the water – 1%

**Plants in area:** goldenrod, grasses, Joe Pyeweed

**Water depth:** 0-10 cm along shore

**River Bottom:** muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:28 AM	48 °F 8°C		
Wind Speed	#3 Beaufort	9 mph	North	
Cloud Cover	Overcast			
Weather today	Drizzling steadily ~ 4mm collected			
Weather recently	Lots of rain last few days			
<i>Water surface</i>	choppy			
<i>Water Temperature</i>	10:10 AM	11°C	52°F	
<i>Turbidity – long site tube</i>	10:15 AM	9.4 cm 5.2 cm 2.0 cm	5.5 cm average	

	PM	51.1 cm 53.46 78.0	60.85 cm average	
<i>Chlorophyll</i>	10:20 AM	0.0 1.0		
<i>Chemical</i>	10:00 AM	1.0		
DO (Drop count kit)	10:24 AM	11°C	22 ppm* off scale – air bubble or not swirled	Off the chart
pH - pen	10:10 AM	5.0 6.0 7.0		Average 6.0
Salinity – meter	10:15 AM	130 ppm		
<i>Fish Catch – dip net</i>	<i>Time</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size Largest</i>
	10:00 AM		Shells of mussel	
		14 (in 15 minutes)	Freshwater snails	
			worms	
		<b>Diversity</b>	<b>3 species</b>	
	<b>TOTAL CATCH</b>	<b>25</b>	<b>TOTAL SPECIES</b>	<b>4</b>
	<b>Macro- invertebrates</b>	Blue Crab Pieces	Aquatic Snails	
<i>Tides</i>	<i>Time</i>	<i>Height in cm</i>	<i>Rising/Falling</i>	<i>Rate of change</i>
	10:28 AM			
	10:37 AM		Falling	0.25 cm/min
	10:51 AM		Falling	0.21 cm/min
<i>Currents **</i>	<b>Time</b>	<b>Cm/30 secs</b>	<b>Cm/sec</b>	<b>Knots</b>
	10:00AM	240 cm	8cm/sec	N/S <b>Ebb/Fld/Still</b>
	10:10AM	120	4cm/sec	S- Ebb – S Ebb
Nothing – the tide is low – normal obstructions are clear				
<i>Traffic</i>	None observed			
<i>Other Items</i>	Gulls, crows, and sandpipers			
<i>Almanac</i>	We postponed from a potential thunderstorm to a day of drizzle. Our students felt they earned the badge of effort as they collected data in the chilly rain. Happy cheers arose upon finding snails, watching sandpipers and collecting good “currents” data. Our highlight was a successful core sample. An amazing, good, day.			