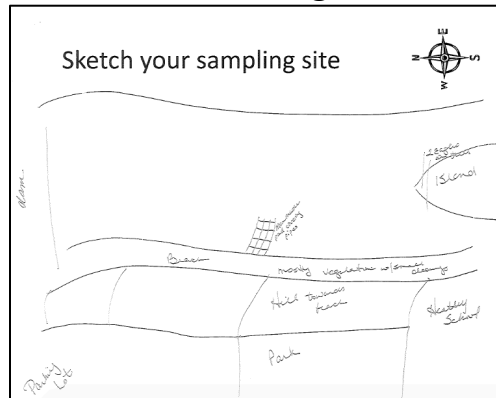


Day in the Life of the Hudson River 10/12/17 Data
RIVER MILE 153
(Salt Front ~ RM 65)
River Park, Green Island Park, Green Island NY
Dawn Baldwin, SUNY Poly CMOST
Dan Shepard & Susan O'Dell Taylor School
16 - 5th & 6th grade students, 4 adults
Latitude 42° 44'53.04" N – Longitude -73° 41'20.62" W



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

Area: Beach area with a lot of vegetation, very muddy and rocky. The Troy dam is directly to the north

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

Sampling Site: 40% urban/residential, 30% beach, 20% industrial/commercial, 10% forested

Shoreline: Beach is rocky, broken concrete docking, very rocky shoreline, slag, concrete at the launch, brick pieces, 50 % vegetation, pipe directly across sampling site

Plants in water: less than 1%

Water depth: Sampling was done from approximately 2 feet of depth

River Bottom: mainly rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:20AM	55°F 12.78°C		
	11:20 AM	57°F 13.89°C		
Wind Speed	#1 Beaufort			
Cloud Cover	Clear			
Weather today	none			
Weather recently	Slightly warm fall days Mon & Tues and Wed. night rain – today is Thursday			
<i>Water surface</i>	Calm with ripples			
<i>Water Temperature</i>	10:20 AM	13.33°C	56°F 55.5	Average 55.75°F

			56		
	11:00 AM	13.33°C	56°F 56°F 56°F	56 °F	
<i>Turbidity – short site tube</i>	10:25 AM	0 JTU X 3	0 JTU		
<i>Chemical</i>	10:00 AM	1.0			
DO Drop count kit	11:00 AM	13.33°C	7 ppm	68%	
pH –indicator solution	12:44 PM	7.5 7.0 7.0		Average 7.25	
Salinity – hydrometer	12:00 noon	Below Detection	Unable to read salinity in this area with hydrometer.		
Nitrates	12:30 PM	0.5 ppm	3 tests		
<i>Fish Catch –</i>	<i>Time</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size Largest</i>	
Four tries to seine but no fish		ZERO			
<i>Tides</i>	<i>Time</i>	<i>Height in c</i>	<i>Rising/Fallin g</i>	<i>Rate of change</i>	
	9:00 AM	5 cm	Rising		
	9:20 AM	20 cm	Rising	0.75 cm/min	
	9:50 AM	27cm	Rising	0.23 cm/min	
	10:19 AM	32.5 cm	Rising	0.19 cm/min	
	10:35 AM	35 cm	Rising	0.16 cm/min	
	10:55 AM	37.5 cm	Rising	0.125 cm/min	
	11:30 AM	34 cm	Falling	0.1 cm/min	
	12:00 PM	1 cm		0.55 cm/min	
	1:00 PM	Water receded beyond tide stick			
<i>Currents</i>	<i>Time</i>	<i>Cm/30 secs</i>	<i>Cm/sec</i>	<i>North South</i>	<i>Ebb/Fld/Still</i>
	10:15AM	228.6	7.62 cm/sec	South	Ebb
	11:15AM	274.32	9.14 cm/sec	South	Ebb
<i>Traffic Recreational</i>	Not traffic other than a DEC boat first thing in the am				
<i>Other Observations</i>	<p>Two bald eagles nesting in a tree within sight of our location. They came out over the river twice – spectacular!</p> <p>Students from Susan O’Dell Taylor Middle School gathered on the shore waiting to see what the DEC brought to show them. They and their partners from CMOST were thrilled to see an eagle swoop down to catch some breakfast.</p>				