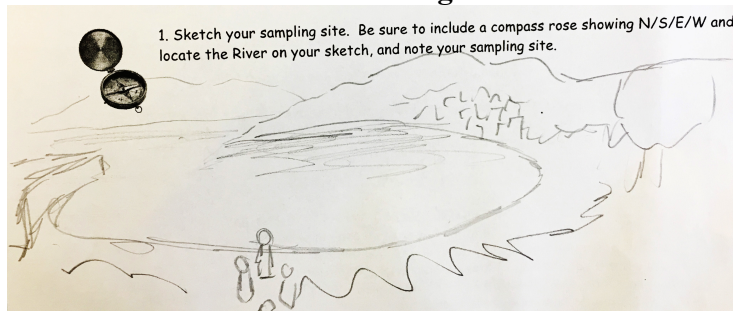


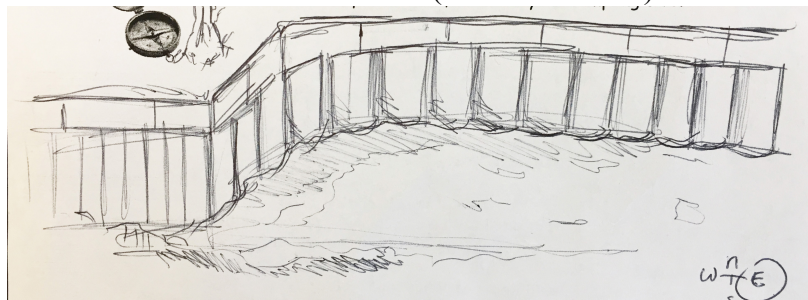
**Day in the Life of the Hudson River 10/20/16 Data  
(Salt Front ~ RM 83)  
RIVER MILE 35E**

**Croton Point Park, Croton on Hudson**

**Donna Light-Donovan, Croton Harmon High School, 31 HS students, 4 adults  
Latitude 41.1868 - Longitude -73.8923**



Croton Point Beach (Shea Stevenson)



Croton Point Beach retaining wall (Shannon Grounds)

**Location:** Mother's Lap, Croton Park NY

**Area:** Beach surrounded by parkland

**Surrounding Land Use:** Beach 90%, paved road and parking lot

**Sampling Site:** Beach area with with raprap @ north end, collected wood debris in area

**River Bottom** – sandy/muddy bottom - 1 meter deep

**Plants in sampling area** – *Vallisneria Americana* (water celery) - < 50% of area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
<b>Air Temperature</b>	9:36 AM	63 °F 17 °C		
<b>Wind Speed</b>	AM	Beaufort #2-3	7 mph	ENE
Cloud Cover	overcast			
Weather today	No rain			
Weather recently	Unusually warm			
<b>Water Temperature</b>	9:30 AM	26 ° C (seems pretty high!)		
<b>Water</b>	Calm			
<b>Chemical</b>	<b>TIME</b>	<b>Reading</b>		
<b>DO</b>	NR			
<b>pH</b>	NR			

<b>Salinity – Quantabs HR</b>	9:30 AM	83. quantab units 8.4 8.4	5426 ppm Cl-	9802 TS
<b>Turbidity – meter/</b>	9:30 AM	15 NTU 31 35	40 cm 26 cm 22 cm	Average 27 NTU 28 cm
<b>Sediment Core</b>	<b>Comment</b>	<b>Abundant</b>	<b>Common</b>	<b>Rare</b>
	Lighter color on top with an oil texture	Sand	Mud	Clay Gravel
<b>Fish –</b>	<b>AM</b>	<b>Species</b>		
<b>Total Div. 1</b>	4	Banded Killi	4 cm	
<b>Total Catch 4</b>				
<b>Macros -</b>	1	Fingernail Clam		
<b>Total Div. 6</b>	1	Moon Jelly		
<b>Total Catch 46</b>	1	Sand Shrimp		
	1	Shore Shrimp		
	1	Scud		
	1	Isopod		
<b>Tides</b>	<b>Time</b>	<b>Rising/Falling/ Unchanged</b>	<b>Height in cms</b>	
	8:30 AM	Low Tide		
	9:00 AM	Low Tide		
<b>Currents</b>	9:15 AM	81 cm/ 30 secs	2.7 cm /sec	Ebb
<b>Shipping</b>	9:30 AM	Rec – white sailboat	Northbound	Light
	10:30 AM	Com – rust barges	Southbound	Light
	10:40 AM	Rec - sailboat	Southbound	

We will be sending a video that a student, Shannon Angove-Cohen made with her cell phone.