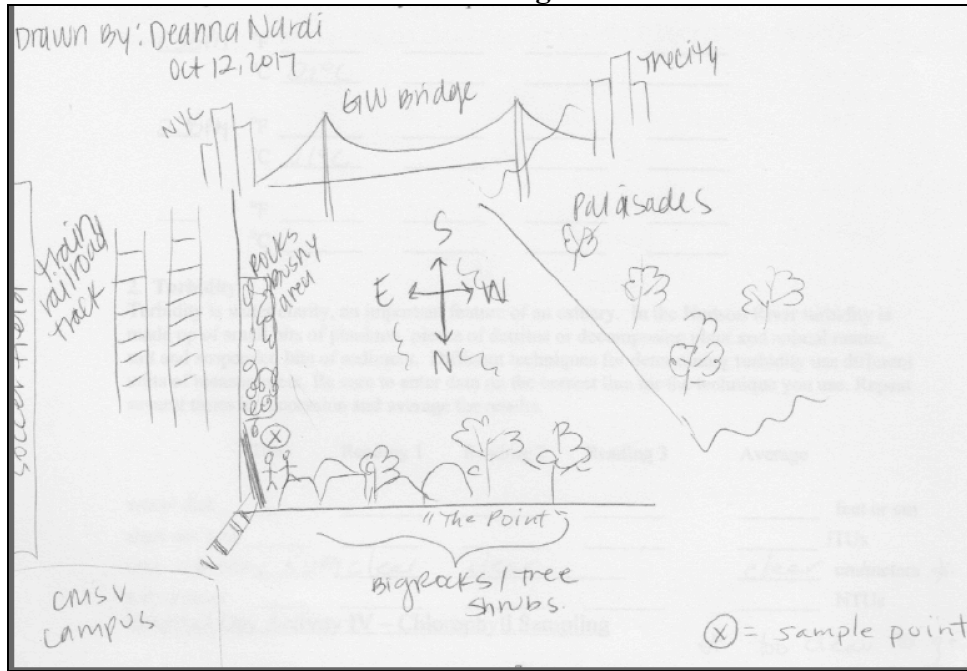


Day in the Life of the Hudson River 10/12/17
(Saltfront ~RM 65)
RIVER MILE 17
Mt. St. Vincent College Campus, NYC
Tara Anderson – Mt. St. Vincent College – 1 adults, 1 college
Latitude 40.91° N Longitude 73.91° W



Location: Waterfront of Mt. St. Vincent's College

Area: Forested, grassy

Surrounding Land Use: Urban/residential 65%, Forested 15%, Industrial Commercial 20%

Sampling Site: Shoreline is 100% rocky –bulkhead, drainage pipes in area, beach area, covered in vegetation, 50 cm storm pipe at the site, some slag

Plants in water of sampling area: no plants in the water

Plants in the area: No plants in water area

Water depth: 90 cm

River Bottom – rocky

Water: A little choppy @ 12:15 PM/Water calm at 2:00 PM

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:15 PM 1:55 PM	21°C 16, 21 °C		
Wind Speed	12:15 PM 1: 59 PM	Beaufort #3 Beaufort #2	NW NW	
Cloud Cover	1:30 PM	Partly cloudy.		
Weather today	At start was overcast			

	Later few clouds but mostly sunny - dramatic change in weather			
Weather recently	Warm for last 3 days, this AM a few rain periods			
Water Temperature –	12:10 PM 1:55 PM 2:35 PM	21°C 21 21		
Turbidity 60 cm site tube	1:50 PM	Exceeded tube >60 cm		
Chemical				
DO LaMotte kit 7414	2:00 PM	6.0mg/L	Temp 21° C	65% saturated
pH – LaMotte kit 5858	2:05 PM	9.5* solution old		
Salinity - refractometer	12:00 PM 2:40 PM	15 ppt 16		
Nitrates	2:25 PM	<1 ppm		
Phosphates	2:10 PM	<1 ppm		
Fish Catch – 10 ft. net – 2 pulls	No fish caught	Species	Length	
Tides	12:15 PM 2:42 PM		Rising Still rising	
Currents	2:20PM	280 cm/60 secs 4.7 cm/sec	0.09 kts	N Flood
Note	St. Vincent Point juts out into the river N of our sampling site			
Traffic – commercial	2:30PM	Double Barge	South	Loaded gravel
Recreational	1:45 PM	Sightseeing	South	
	1:42 PM	Speedboat	South	
	2:35 PM	Rec sailboat	South	
Other observations	Also incubated some micro samples for bacteria. Counts were very low.			