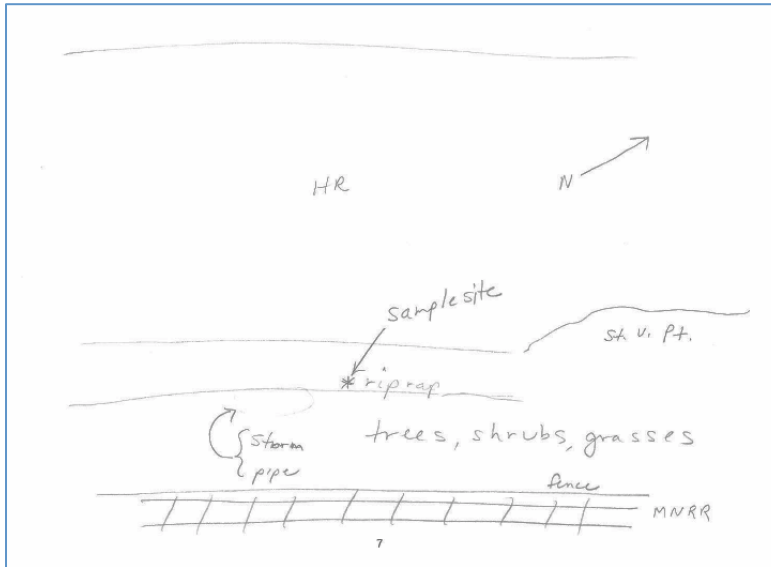


**Day in the Life of the Hudson River 10/20/16
(Saltfront ~RM 83)
RIVER MILE 17**

**Mt. St. Vincent College Campus, NYC
Patricia Grove & Tara Anderson – Mt. St. Vincent College – 2 adults, 5 students
Latitude 40°54.46 N Longitude 73°54.41 W**



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

Area: Forested, grassy

Surrounding Land Use: Forested 25%, Academic Environment 75%

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

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

Plants in the area: No plants in water area

Water depth: NR

River Bottom – sandy/rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1:33 PM 1:07 PM	68° F 64.4	20°C 18°C	
Wind Speed	1:30 PM	Beaufort #2.7	1.5-2.0 kts – gusting to 4.2 kts	S
Cloud Cover	1:30 PM	Partly cloudy		
Weather today	No rain			
Weather recently	Record high temperatures!			
<i>Water Temperature –</i>	1:08 PM	20°C 18	68°F 64.4	

Water surface:	calm			
<i>Turbidity</i> <i>Long site tube</i>	12:40 PM	21 cm		
<i>Chemical</i>				
DO LaMotte kit 7414	1:27 PM	4.0 mg/L	Temp 18° C	40% saturated
pH – LaMotte kit 5858	1:39 PM	10		
Salinity - refractometer	1:06 PM	18 ppt 17 18		17.7 ppt
Nitrates	1:19 PM	2.0 ppm		
Phosphates	1:34 PM	<1 ppm		
Alkalinity	1:21 PM	60 ppm 58 ppm		59 ppm avg.
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	
<i>Tides</i>	1:33 PM		flood	
<i>Currents</i>	1:59 PM	3.03 cm/sec	0.059 kts	N Flood
<i>Note</i>	St. Vincent Point juts out into the river N of our sampling site			
<i>Traffic – commercial</i>	1:10 PM	Tugboat & Barge	South	
	12:45 PM	Tug & Barge	North	
<i>Recreational</i>	1:15 PM		South	
	1:42 PM	Speedboat	South	
	1:49 PM	Majestic Princess	South	
<i>Other observations</i>	Geese	Turkey Vulture	Blue Jay	