

**Day in the Life of the Hudson River 10/4/12
(Salt Front RM 35.7)**

RIVER MILE 17

Mt. St. Vincent College Campus, NYC

**Pat Grove – Mt. St. Vincent College – ~ 20 undergraduate students
Alexandra Romero, Palisades Prep in Yonkers, 10 students 11th graders**

Latitude 40°91349 N Longitude 73°91154 W

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

Area: Forested, grassy

Surrounding Land Use: Urban/residential 30%; Forested 10%, Industrial/Commercial 10%, Ecology Lab 50%

Sampling Site: large riprap on shoreline, bulkhead, drainage pipes in area, beach area, covered in vegetation

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

Plants in the area: Moss 30% of rock, trees 75% of shore, grass 25% of shore, sea weed 10% drifting in water, 90% leaves in end off water, bushes in area, alga 10% of area

Water depth:

River Bottom – sandy, muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>					
Air Temperature					
Wind Speed		2.63 km/hr		South	
Cloud Cover	Mostly cloudy				
Weather today	rainy				
Weather recently	Some rain,				
<i>Water Temperature – 35 cm</i>	11:54 AM	22°C	22 °C	22 °C	22 °C AVG
Water surface:	calm				
<i>Turbidity (Long Site Tube)</i>	11:30 AM	36 cm			31 cm
		35 cm			
		22 cm			
<i>Chlorophyll</i>	12:30 PM	0.5			
<i>Chemical</i>					
DO LaMotte kit 7414	11:54 AM	8 mg/L		Temp.22° C	95%
		11 mg/L			125%
		6 mg/L			70% saturated
pH – LaMotte kit 5858	11:52 AM	7.5		7.5 avg.	
		7.5			
Salinity - refractometer	11:30 AM 11:35 AM	10 ppt 10 ppt			
<i>Fish Catch</i>	<i>Number</i>	<i>Species</i>		<i>CPUE</i>	<i>Minnnow</i>

	<i>Caught</i>			<i>Traps</i>
seine – 30 ft. net	1	eel		
	1	Oyster toadfish		
		Glass shrimp		
		Baby crabs		
<i>Tides</i>				
<i>Currents</i>	11:43 AM	Flood - North	0.164 meters per sec	
<i>Core</i>				
<i>Traffic</i>	10:14 AM	No name – white	Southbound	Light
	10:07 AM	Caledonian Sky white	Southbound	Loaded/
	10:07 AM	Brown	Southbound	Light
	10:40 AM	White	Northbound	Light
	10:30 AM	Black	Southbound	Light
	11:55 AM	Grey?White Tug	Southbound	Loaded
<i>Other observations</i>	White Birds – probably seagulls flying over the river	Dead fish floating	Geese	