

Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~ RM 83)
RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove, 3 faculty & 8 students, Mt. St. Rose College
Sara Loya, 25 - 5th Grade Albany Academy for Girls
Coordinates: 42.64 N, 73.7W

Location: Waterfront of Henry Hudson Park

Area: Park/Boat launch,

Surrounding Land Use: 100% parkland with 75% vegetated coverage – grassy, parking lot, used for picnics, boating, fishing

Sampling Site: Banks altered, riprap, bulkheaded -rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	<i>Time</i>	<i>Temp</i>	<i>Wind Speed</i>	<i>Weather today</i>
Air Temperature	9:58 AM	55° F 10° C	2 Beaufort 5.5 mph Anemometer	Partly cloudy
	10:40AM	55° F 10° C	1 Beaufort 2.6 mph Anemometer	cloudy
	11:10 AM	59° F 16° C	2 Beaufort 3.5 mph Anemometer	cloudy
	11:32 AM	56° F 15° C	2 Beaufort 3.7 mph Anemometer	cloudy
	5:32 PM	61° F 17° C	0 Beaufort	cloudy
Weather last 3 days	Dry and warm			
<i>Water Temperature</i>	9:53 AM	12 C	53° F	
	10:37 AM	12	54	
	11:05 AM	12	53	
	11:26 AM	11	52	
	5:33 PM	11	52	
<i>Turbidity</i> Large site tube	10:10 AM	115 cm		
	10:38 AM	79 cm		
	11:05 AM	80 cm		
DO -Drop count	9:53 AM	12 C	9 ppm	82 %
	10:37 AM	12	8 ppm	75%
	11:05 AM	12	8 ppm	75%
	11:26 AM	11	9 ppm	80%
pH	9:53 AM	7.0		
	10:37 AM	7.4		
	11:05 AM	7.4		

	11:26 AM 5:33 PM	7.4 7.0		
Salinity –	9:55 AM 10:35 AM 11:10 AM 11:36 AM	32 ppm Cl- 30 ppm 36 ppm 36 ppm		
Currents (listed as tides)	Time	Distance	River Flow	
	10:10 AM 10:44 AM 11:25 AM 11:50 AM	24 cm/s 14.2 cm/s 11.2 cm/s 2.0 cm/s	Ebb Ebb Ebb Ebb	
Core - Time	Smell	Texture	Color	Composition
10:38 AM	Mud Soil Metallic	Crumbly Sticky Creamy Rough	Rust Brown Tan White	Rocks Fur Roots Sand Soil
11:05 AM	Rusty Soil Mud	Smooth Cold Crumbly Sticky Rough	Red-Orange Rust Dark Brown White	Fur Rocks Roots Clay Dirt/Soil
11:30 AM	Mud Sand Rusty Metallic	Dry Soft Smooth Moist Squishy Crumbly	Brown Maroon Rust	Sand Rocks Clay Mud
5:58 PM	Muddy	Sandy Rough	Brown	Mud Rocks