

**Day in the Life of the Hudson River 10/20/15 Data**  
**RIVER MILE 138 – Henry Hudson Park**  
**Mary Cosgrove, 3 faculty & 8 students, Mt. St. Rose College**  
**Susan Schiavoni, Delaware Community School – 25, 3<sup>rd</sup> grade elementary students, 2**  
**teachers,**  
**Coordinates: 42.64 N, 73.74 W**



**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	10:00 AM	60° F 20° C	1-3 Beaufort 1.7 m/sec Anemometer	Chilly, cold, cloudy, windy
	10:15AM	55° F 10° C	1-3 Beaufort 1 m/sec Anemometer	Cold, cloudy, little rain, windy
	10:30 AM	60° F 17° C	1-3 Beaufort 2 m/sec Anemometer	Rain/Cold/Wind y
	10:45 AM	50° F 15° C	1-3 Beaufort 0.8 m/sec Anemometer	Cold, cloudy , windy
	11:00 AM	61° F 20° C	1-3 Beaufort 1.7 m/sec Anemometer	Cloudy, cold, windy

Weather last 3 days	Rainy, cool			
<b>Water Temperature</b>	10:11 AM	10° C	50° F	
	10:23 AM	10	50	
	10:36AM	10	50	
	10:48 AM	10	50	
	10:57 AM	12	52	
<b>Turbidity</b> Large site tube	10:30 AM	11 cm		
	10:42 AM	9 cm		
	10:57 AM	9 cm		
	11:14 AM	10 cm		
	11:25 AM	12 cm		
	11:38 AM	11 cm		
<b>Chlorophyll</b>	10:17 AM	0.3, 0.3, 0.7	<b>Averages</b>	0.4
	10:30 AM	0.1, 0.2, 0.2		0.17
	10:40 AM	0.1, 0.1, 0.1		0.1
	10:50 AM	0.3, 0.3, 0.3		0.3
	11:02 AM	0.3, 0.3		0.3
<b>DO -Drop count</b>	10:16 AM	10C	10 ppm	85% saturation
	10:28 AM	10C	7 ppm	60
	10:40 AM	10C	9 ppm	80
	10:52 AM	14C	9 ppm	80
	11:05 AM	10C	5 ppm	45
pH	10:11 AM	7.8		
	10:23 AM	7.3		
	10:48 AM	7,4		
	10:57 AM	7.8		
Salinity –	10:11 AM	0.12 ppt	120ppm	
	10:23 AM	0.135	135 ppm	
	10:36 AM	0.15	150 ppm	
	10:48 AM	0.15	150 ppm	
	10:57 AM	0.15	150 ppm	
Tides - Time start	Time read	Height start	Height end	Total Change
10:17 AM	10:20 AM	44 cm	38 cm - Ebb	6 cm loss
10:25 AM	10:28 AM	40 cm	42 cm Fld*	(2 cm gain)
10:35 AM	10:38 AM	40 cm	35 cm Ebb	5 cm loss
10:49 AM	10:51 AM	37 cm	30 cm Ebb	7 cm loss
				Total loss 14 cm
			*expect wave	
Currents	10:17 AM		North	
	10:25 AM		South	
	10:35 AM		North	
	10:49 AM		South	

