

Day in the Life of the Hudson River 10/23/14 Data
(Salt Front RM 61.1)

RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove, 3 faculty & 9 students, Mt. St. Rose College
Susan Schiavoni, Delaware Community School – 29, 3rd 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	10:30 AM	50° F 10° C	.5 m/s -	Rain/Cold
	10:42 AM	45° F 7.2° C	.4 m/s	Rain/Cold
	10:57 AM	50° F 10° C	1.2 m/s	Rain/Cold/Windy
	11:14 AM	49° F 9.4° C	.6 m/s	Rain/Cold
	11:25 AM	51° F 10.6° C	.5 m/s	Rain/Cold
	11:38 AM	52° F 11° C	.4 m/s	Rain/Cold/Fog
Cloud Cover	cloudy			
Weather last 3 days	Rainy, cool			
<i>Water Temperature</i>	10:30 AM	8.8° C	47.8° F	
	10:42 AM	8.7	47.6	
	10:57 AM	8.6	47.5	
	11:14 AM	8.6	47.6	
	11:25 AM	8.7	47.6	
	11:38 AM	9.5	47.3	
<i>Turbidity</i> 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		
<i>Chlorophyll</i>	10:30 AM	0.7, 2, 2, 5	Averages	2.25
	10:42 AM	0.7, 0.5, 0.4, 0.5		0.5

	10:57 AM	0.5, 1, 1, 1,		.75
	11:14 AM	1.5, 0.7, 0.3, 3		1.25
	11:25 AM	0.2, 1.5, 4.5		2.1
	11:38 AM	1.1, 5, 3.5, 1		5.1
DO -Drop count	Not read			
pH	10:30 AM	4		*rain event effect
	10:42 AM	4.9		
	10:57 AM	4.8		
	11:14 AM	5		
	11:25 AM	5		
	11:38 AM	5		
Salinity –meter - Traceable salinity	Time	ppt	ppm	
Low Range	10:30 AM	.12	120	
	10:42 AM	.11	110	
	10:57 AM	.12	120	
	11:14 AM	.1	100	
	11:25 AM	.12	120	
	11:38 AM	.11	110	
Tides	Time	Height (cm)		
From start to end	10:3 AM	11:38 AM	South	
Currents			South	