

Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove, 2 faculty & 10 students, Mt. St. Rose College
Susan Schiavoni, Delaware Community School – 25, 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
Plants in area: Smartweed, ragweed, Joe-pye weed, jewelweed, purple loosestrife, grass
Water depth: River Bottom – Water -calm

<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				
Cloud Cover	cloudy			
Weather last 3 days	Rainy, cool			
<i>Water Temperature</i>				
<i>Turbidity</i> Large site tube	10:50 AM	50 cm		
	11:10 AM	52 cm		
	10:30 AM	52 cm		
	10:50 AM	52 cm		
<i>Chlorophyll</i>	10:50 AM	0.4		
	11:10 AM	0.4		

	11:30 AM	0.3		
	10:50 AM	0.3		
DO -Drop count	Time	Mg/L	Temp	% Saturation
	10:50 AM	8	16.1	85%
	11:10 AM	8	15.9	85%
	11:30 AM	9	16	90%
	10:50 AM	9	15.9	90%
pH	5 tests	6 6.6 6 6 6.5		Average 6.2
Salinity -Test strip	Group #	Quantab #	Cl-	Total Salinity
	1	1.2	28 ppm	51 ppm
	2	1.2	28 ppm	51 ppm
Tides	Time	Height (cm)		
	10:40 AM	190 cm		
	12:00 PM	220 cm	Rising	30 cm/80 min
Currents	Time	500 cm/X sec	Cm/sec	
	10:40 AM	500cm/9 sec	55.56	
		500 cm/22 sec	2.27	
		500 cm/26 sec	19.23	
		500 cm/15 sec	33.33	
Fish Catch	Numbers	Species	Fish length	Diversity/Totals
	1	Blueback Herring	5 cm	Div = 2
	12	Gizzard shad	5 cm	Totals =13