

**Snapshot Day 10/14/10 Data**  
**(Salt Front RM 36)**  
**RIVER MILE 138 – Henry Hudson Park**  
**Mary Cosgrove & students, Mt. St. Rose College**  
**Susan Schiavoni, Delaware Community School – 3<sup>rd</sup>**  
**22 elementary students, 2 teachers,**  
**5 St. Rose students & faculty**  
**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>				
Air Temperature	10:21	12° C		
	10:41	14° C		
	10:58	17° C		
	11:15	16° C		
	11:33	18° C		
	11:44	18° C		
Wind Speed				
Cloud Cover	few clouds			
Weather today	Sunny			
Weather last 3 days	Cool and some rain			
<i>Water Temperature</i>	10:32	14° C		
	10:51	18° C		
	11:09	18° C		
	11:23	18° C		
	11:42	18° C		
	11:50	18° C		
<i>Turbidity</i>				
Large site tube	10:41	41cm		

	10:50	66.2cm		
	11:15	75cm		
	11:25	80cm		
	11:30	60cm		
	11:50	11.2cm		
<b><i>Chlorophyll</i></b>	0.3 X 3 times	0.7 X 3 times		
<b><i>10:30-11:30 AM</i></b>	0.1 X 1 time	1.0 X 2 times		
<b><i>Chemical</i></b>				
DO - Drop count	10:32	65%		
Reported as % saturation	10:51	88%		
	11:09	96%		
	11:23	95%		
	11:42	95%		
	11:50	95%		
pH	10:32	7.3		
	10:51	7		
	11:09	7.1		
	11:23	7.2		
	11:42	7		
	11:50	7.2		
Salinity <i>Test strip</i>	10:32	On Titrator Strip 0.6	< 28 ppm Chloride	<35 ppm salinity
	10:51	0.8	< 28 ppm Chloride	<35 ppm salinity
	11:09	0.8	< 28 ppm Chloride	<35 ppm salinity
	11:23	0.8	< 28 ppm Chloride	<35 ppm salinity
	11:42	0.8	< 28 ppm Chloride	<35 ppm salinity
	11:50	0.8	< 28 ppm Chloride	<35 ppm salinity