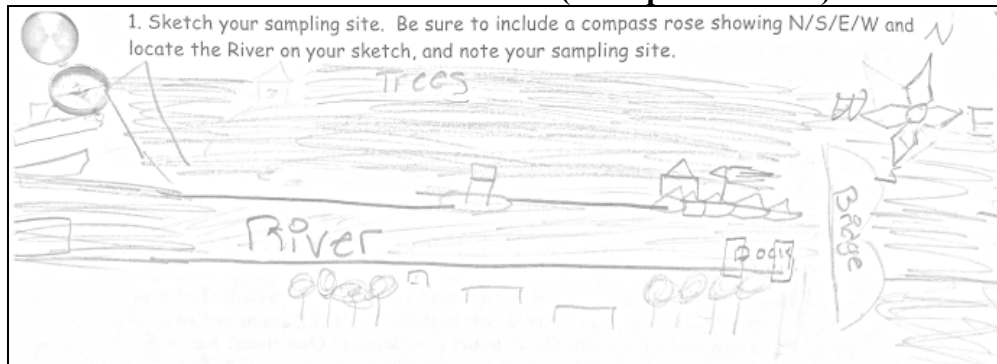


**Day in the Life of the Hudson River 10/12/17 Data**  
**(Saltfront ~ RM 65)**  
**RIVER MILE 133.4**  
**River Park, Schodack Island, Troy**



**Debra Magadini, Berkshire Waldorf High School**  
**10 students 9<sup>th</sup>-11<sup>th</sup> graders, 1 adult**  
**N 42.517994 W -73.759697 (from park website)**



**Location:** Schodack Island State Park, Schodack Landing, Rensselaer County

**Area:** 1052 acres – park and boat launch area – grassy area with concrete walkway and boat launch

**Surrounding Land Use:** 10% urban/residential, 65% Forested, 25% concrete bulkhead

**Sampling Site:** pier, grassy on opposite shore

**Shoreline:** banks altered, rip rap, bulkhead,

**Plants in area:** no plants

**Water depth:** 4-6 ft. – water is deeper but we are bucketing from this depth

**River Bottom:** rocky (sharp drop off beyond bulkhead)

<i><b>ITEM</b></i>	<i><b>Time</b></i>	<i><b>Reading 1</b></i>	<i><b>Reading 2</b></i>	<i><b>Comments</b></i>
<i><b>Physical</b></i>				
Air Temperature	10:07 AM	64°F	18°C	

	10:17 AM	68	20	
Wind Speed	9:55 AM	Beaufort # 1		
Cloud Cover	Partly Cloudy			
Weather today	Rained today, 1mm.			
Weather recently	Has been rain			
<b>Water Temperature</b>	10:21 AM 11:20 AM	18°C 20		
<b>Turbidity – Long Sight Tube</b>	10:00 AM	78cm	130cm	Avg: 104
Observations: Water was cloudy, yellow, brown with pieces of leaves. Looked as though someone kicked up the dust in the water				
<b>Tides</b>	9:30 AM 10:44 AM 11:23 AM	0cm 8cm 0cm		
<b>Currents</b>	10:00 AM 10:30 AM	.3cm/sec .9cm/sec	0.006485 knots 0.017 knots	Ebb Ebb
<b>Chemical</b>				
DO	NR			
pH - (Color match test strip.)	10:20 AM	7.5	7.5	7.5
Salinity – Low Range quantab	11:00 AM	.006 NaCl	34ppm Cl <sup>-</sup>	61.4
<b>Fish Catch DEC net</b>	<b>Number Caught</b>	<b>Species</b>	<b>Length</b>	<b>Seine</b>
	3 29	Banded Killifish Spottail Shiner	<b>6cm 8cm</b>	<b>DIV - 2 TOTAL - 32</b>
<b>Macroinvertebrates</b>	1	Aquatic stick insect		<b>DIV – 1 TOTAL – 1</b>
<b>Commercial and Recreational Traffic</b>	<b>Time</b>	<b>Color and name</b>	<b>Direction</b>	<b>Loaded/Light</b>
<b>Recreational</b>	10:30	White and blue speedboat	Southbound	Light
<b>Commercial Recreational</b>	10:45 11:12	Silver and orange White and blue	Southbound Southbound	Light Light
<b>Observations:</b> There is a camp grill and cement. There are geese, 4 dogs, aquatic insects, gnats, yellow jackets, and other people.				