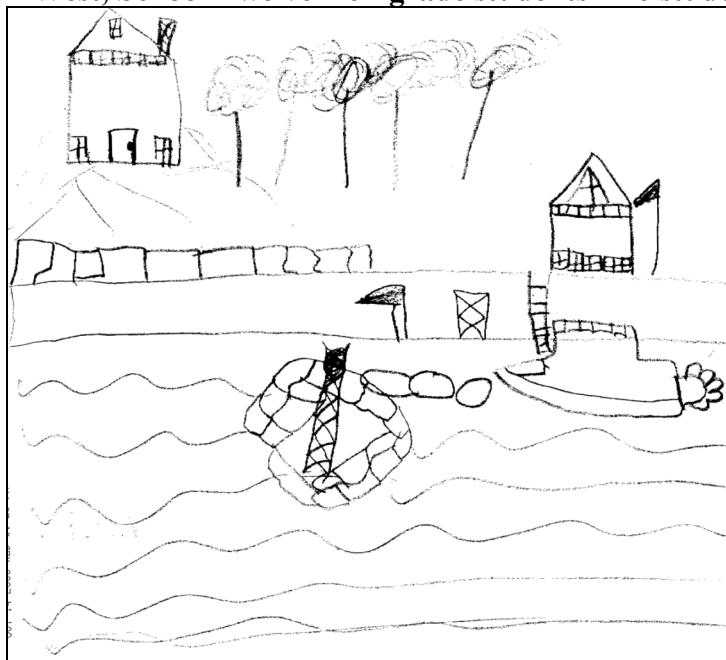


**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 133**

**River Park, Schodack Island, Troy
N 42.482113470199998 W -72.7763160920000002
Dawn Baldwin, Children's Museum of Science and Technology
Ron West, School Twelve – 6th grade students – 16 students**



Location: Schodack Island State Park

Area: 1052 acres – park and boat launch area

Surrounding Land Use: Boat launch, playground, parking lot, used for picnics, fishing

Sampling Site: Forested 70%; Urban/residential 5%; Industrial/Commercial 10%; Boat launch & recreational 15% - state park with grass, trees, parking area, picnic area, boat launch – further than 200 ft. downriver a gravel quarry

Shoreline: banks altered, rip rap, bulkhead,

Plants in area: no aquatic plants in this area

Water depth: can't see the bottom – 2 ft. deep

Observations: People leaving garbage behind, pollution from boats at the launch site, invasive species from boats going into the river, mining and concrete plant across river, so potential for pollution.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:40 AM	50 °F 10°C		
Wind Speed	Beaufort #6	North		
Cloud Cover	Mostly clear			

Weather today	Clear but cool			
Weather recently	10/7/09 rain in the AM and then again at night			
Water Temperature - Water depth 2 ft.	10:40 AM	60° F 59° F 59.5° F	15.6°C 15 °C 15.3°C	15.4°C 59.5° F average
Standing on a very slippery bulkhead. No shade on water, very choppy, no plants	11:15 AM	60° F 58° F 59° F	15.6°C 14.4°C 15°C	15°C 59° F average
	12:30 PM	60° F 59° F 59.5° F	15.6°C 15 °C 15.3°C	15.4°C 59.5° F average
Water calm	Very choppy	Not shaded		
Turbidity	Not done			
Chlorophyll				
Chemical				
DO (Drop count kit)	10:35 AM	9.1 mg/L	15.27°C	90%
	11:20 AM	9.1 mg/L	15°C	91%.
	12:30 AM	9.3 mg/L	15.27°C	91%
pH (ind. Sol.)	11:00 AM	7.5 7.25 7.75		7.5 avg.
	11:30 AM	8.0 7.5 7.25		7.5 avg.
	12:30 PM	8.0 8.0 8.0		8.0 avg.
Salinity				
Fish Catch	Number Caught	Species	CPUE	Seine
seine – 8 ft. net, 20 ft. pull - Seining: Kids didn't think we would catch anything so they were really excited.	30 1 1	Spottail Shiners Banded Killie Butterfish?? (possible sunfish)	1 inch 2 inch .75 inch	32 total
Tides	10:25 AM	70 cm		

Tidestick set in stones	11:30 AM	55 cm	Falling	
	12:40 PM	35 cm	Falling	
<i>Currents</i>	10:30 AM	Ebb		
	12:30 PM	Ebb		
<i>Traffic</i>	No commercial traffic			
	Barge	Empty	@ mining facility	
	10:30-12:00	Recreational vehicles	1 going north and 1 south	
<i>Other Items</i>	The moon was out!			
<i>Comments/Observations</i>	<p>Quotes:</p> <p>I never knew the Hudson was so beautiful</p> <p>The moon is in the sky – does that have anything to do with the river?</p> <p>It's so big!</p> <p>I hope doing this helps people. I like helping people!</p> <p>The water is moving fast. We see boats and a house. It is cold.</p> <p>I want to go to the bus</p> <p>This is cool</p> <p>Can we do this again?</p>			