

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 133**

**River Park, Green Island Park, Troy
Dawn Baldwin, Children's Museum of Science and Technology
Ron West, School Twelve – 6th grade students – 16 students**

Location: Schodack Island State Park

Area: boat launch area

Surrounding Land Use: Boat launch, 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, rocky, bulkhead, shale – rocks followed by bulkhead – sharp drop off

Plants in area: 1%

Water depth:

River Bottom: rocky bottom

Aquatic plants were net apparent at this site. Terrestrial plants include Maples, Oaks, Some Evergreens, and decorative planting on the park area.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	10:15 AM	54 °F 12.2°C	10:30 AM	53°F 11.67°C
Wind Speed	1-3 knots	North	wind increased to 4-6 knots around 11:30 AM	
Cloud Cover	clear			
Weather today	Clear but cool			
Weather recently	First freeze last night, Monday light rain, Sunday mild and sunny – Chilly nights			
Water Temperature	10:55 AM	60° F	15.6°C	14.4°C
		58° F	14.4°C	58.7° F
		58° F	14.4°C	average
	1:00 PM	61° F	16.1°C	15.9°C
		60° F	15.6°C	60.7° F
		61° F	16.1°C	average
Water calm	mildly choppy			
Turbidity	Not done			
Chlorophyll	12:45 PM	0.3		

<i>Chemical</i>				
DO (Drop count kit)	11:30 AM	11 ppm	15°C	105%
pH (ind. Sol.)	11:18 AM	7.5 7.5 7.5		7.5 avg.
Phosphate				
Nitrate	11:45 AM	1.0 1.0 2.0		1.3 mg/L avg.
Alkalinity				
Salinity	Hydrometer - Not measurable		11:30 AM Quantab strip	0.8 ppm
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
seine – 8 ft. net, 20 ft. pull	18 1 32	Banded Killi Sunfish Brook Silversides		51 total
CPUE	1 seine	12:30 PM	51 caught in 48.77 meters	1.04 CPUE
<i>Tides</i>	10:00 AM	42 cm		
Tidestick set in stones	10:30 AM	40 cm	Falling	
	11:00 AM	31cm	Falling	
	11:30 AM	23 cm	Falling	
	12:30 PM	10 cm	Falling	
<i>Currents</i>	10:10 AM	Ebb		
<i>Traffic</i>	10:08	1 barge & Tug 1 barge & Tug	Southbound Northbound	1 loaded 1 unloaded
	10:35	Tugboat	Southbound	
<i>Other Items</i>	10:20 AM	Large flock of geese heading South		
	10:40 AM	Much smaller flock heading South		
<i>Core Description</i>	Yes	Rare	Common	Abundant
	Unable to core – site not cooperative			