

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 133**

River Park, Schodack Island, Troy

Dawn Baldwin, Children's Museum of Science and Technology

Kristin Curren, Doane Stuart School–15 students 4rd graders

N 42.482113470199998 W -72.7763160920000002

Location: Schodack Island State Park

Area: 1052 acres – park and boat launch area

Surrounding Land Use: Forested, Boat launch, playground, parking lot, used for picnics, fishing, open and grassy

Sampling Site: Forested 80%; recreational with parking lot, boat launch & state park with grass, trees, parking area, picnic area, boat launch 20% ; further than 200 ft. downriver a gravel quarry

Shoreline: banks altered, rip rap, bulkhead,

Plants in area: no plants visible growing but large numbers of water chestnut washed up on the boat launch area

Water depth: can't see the bottom

River Bottom: rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:25 AM	51.8 °F 11°C		
	11:18 AM	59.2°F 15.1°C		
Wind Speed	10:25 AM Beaufort #1		South	
Cloud Cover	Mostly cloudy			
Weather today	Sun tried to peak through between 12 and 1PM but the clouds won out			
Weather recently	Typical fall like weather, sun-clouds, small amount of rain, seasonal temp.			
<i>Water Temperature - Water depth ~1.5 ft.</i>	9:30 AM	50 °F 50.3 50.3	10°C 10.2 19.2	AVERAGE 50.2°F 10.13°C
	10:15 AM	50 °F 51.8 50.2	10°C 11 10.1	50.67 °F 10.37 °C
	11:50 AM	50° F	10°C	50.7° F

		50° F 50.5° F	10 °C 10.3°C	10.1°C
	11:23 AM	51.8 °F 51.8 51.1	11°C 11 10.6	51.57 °F 10.87 °C
<i>Water</i>	10:25 AM calm			
<i>Turbidity – small site tube</i>	10:45 AM	80 80 60		73.3 JTU average
<i>Chlorophyll</i>	11:20 AM	0.5 (+)		
<i>Chemical</i>				
DO (Drop count kit)	11:05 AM	14 mg/L	10°C	125%
pH (ind. Sol.)	10:20 AM	7.5 8.0 7.5		7.67 avg.
Salinity - quantabs	10:50 AM	<1 <1 <1		<.28 mg/L below detection
Nitrates	11:20 AM	Zero X 3		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
seine – 10 ft. net, went out 8 ft. & closed the circle X 2 pulls	1	Striped Bass	6.5 inch	
	22	Spottail Shiners	1.5 inch	
Seine #1 – 14 fish (1 Bass, 13 shiners)	12:45 PM	Catch 14	8 ft. pull	CPUE 4.59
Seine #2 – 9 fish (9 shiners)	1:00 PM	Catch 9	8 ft. pull	CPUE 2.95
<i>Tides</i>	9:10 AM	30 cm	Rising	
	9:30 AM	25 cm	Falling	5cm/20 mins
	10:18 AM	16 cm	Falling	9cm/48 mins
	10:40 AM	5 cm	Falling	11cm/22 mins
	11:10 AM	3 cm	Falling	2cm/30 mins
<i>Currents</i>	Cm/60 sec	Cm/sec	Knots	North/South
10:18 AM	295	4.91	0.095	South/Ebb
10:50 AM	152	2.53	0.049	South/Ebb
11:25 AM	271	4.51	0.87	South/Ebb
<i>Current Observation</i>	Kids were surprised when the current was moving south			

	as it looked like it was heading north			
Traffic	10:35 AM	Barge & tug	Edward A Polling	South/Light
	10:50 AM	Small personal craft		South
	?	American Spirit Hudson River Cruise	Saw the captain	South
Core				
Comments/Observations	Seining: Loads of mud in the boat launch prohibited doing a lengthy pull. Just a few feet out our waders were mired in mud and we were unable to go any further.			
Kid's Comments	Student from Doane: Stuart: I hear crows. I can smell a fresh rainy smell. I see a lonely house on a hill. I heard the leaves crunching under my feet. I see bright red leaves. I smell dirt. I hear sea gulls. I feel at ease....			