

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 133
River Park, Schodack Island, Troy
Dawn Baldwin, Children's Museum of Science and Technology
Marianna Brunell, Carroll Hill School–25 students 4rd graders, 5 adults
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 40%; recreational with parking lot, boat launch & state park with grass, trees, parking area, picnic area 40%, boat launch 20% ; further than 200 ft. downriver a gravel quarry

Shoreline: banks altered, rip rap, bulkhead,

Plants in area: no plants visible growing

Water depth: 4-6 ft.

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	10:40 AM	65 °F 18.33°C		
	11:20 AM	64°F 17.77°C		
Wind Speed	10:40 AM Beaufort #1		NE	
Cloud Cover	Clouds			
Weather today	Steady rain all day			
Weather recently	Daily rain for the entire preceding week			
<i>Water Temperature - Water depth ~1.5 ft.</i>	9:30 AM	63 °F 63 64	17.22°C 17.22 17.77	AVERAGE 63.33°F 17.40°C
	11:45 AM	64 °F 63 64	17.77°C 17.22 17.77	63.66 °F 17.58 °C
<i>Water</i>	calm	Surface broken by rain		
<i>Turbidity – small site tube</i>	10:55 AM	20 0 20		13.33 JTU average
<i>Chlorophyll</i>	11:50 AM	0.1		

<i>Chemical</i>				
DO (Drop count kit)	11:45 AM	17 mg/L*	17.77°C	160%* expect an air bubble - but could be from rain
pH (ind. Sol.)	11:40 AM	7.5 8.0 7.5		7.67 avg.
Salinity - quantabs	Not done			
Nitrates	12:02 PM	1 ppm 1 ppm 1 ppm		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Seine</i>
seine – 15 ft. X 4 net, 15 ft. pull	88	Spottail Shiners	2.75 inch	Div. 2 Total 90
	2	Yellow Perch	3.5 inches	
Seine #1 – 39 fish (39 sp. shiners)	12:15 PM seine	Catch 39	16 ft. pull	CPUE 0.53
Seine #2 – 51 fish (49 sp. shiners, 2 yellow perch)	12:30 PM seine	Catch 51	16 ft. pull	CPUE 0.69
<i>Tides</i>	9:35 AM	120 cm		
	10:12 AM	104 cm	Falling	0.43 cm/min
	10:50 AM	83 cm	Falling	0.55 cm/min
	11:40 AM	64 cm	Falling	0.38 cm/ min
<i>Currents</i>	<i>Cm/60 sec</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
11:00 AM	979.2	16.32	0.317	South/Ebb
11:30 AM	783.6	13.06	0.254	South/Ebb
<i>Current Observation</i>	Kids were surprised when the current was moving south as it looked like it was heading north			
<i>Traffic</i>	10:56 AM	Small pleasure craft		North
	10:02 AM	Large Sailboat		South
	11:47 AM	Small speedboat		North
	10:50 AM	Barge being loaded at gravel plant across the river and just south of the park		
<i>Core</i>				
<i>Comments/Observations</i>	Because of the rain the kids were having a hard time judging which way the current was heading. They were pleased to actually see if move down the river (with the orange toss).			

	Very long train on the bridge just north of the park. 21 minutes to cross the bridge
<i>Kid's Comments</i>	There are no fish, there are no fish. THERE ARE FISH!!! As always seining is a big hit with the students. Mrs. Burnell's class from Carroll Hill School in Troy were having a great time despite the rain. There were, however, certain that fish could not be caught in the rain. Two pulls of the net and a total of 88 spottails and 2 yellow perch proved them wrong. It is always a joy to see city kids awestruck by the beautiful Hudson River!