

**Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE 133**

River Park, Schodack Island, Troy

N 42.482113470199998 W -72.7763160920000002

Dawn Baldwin, Children's Museum of Science and Technology

Lara Hotaling, Lianne Adams - Susan O'Dell School –26 students 3rd - 6th grade

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

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: maybe 2% of area planted – water celery. Many water chestnut dry on the ground – plants not visible.

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 | 9:50 AM | 50 °F 10°C | 10:30 AM | 50 °F 10°C |
| | 11:15 AM | 50 °F 10°C | | |
| Wind Speed | 9:50 AM Beaufort #2 | 11:15 AM Beaufort #4 | South | |
| Cloud Cover | Mostly clear | | | |
| Weather today | Very foggy early . By 10:15 AM the fog had lifted and we had mostly clear skies. | | | |
| Weather recently | Typical fall like weather. | | | |
| <i>Water Temperature - Water depth 2 ft.</i> | 10:06 AM | 58 °F 58 57.8 | 14.4°C 14.4 14.3 | AVERAGE 57.9 °F 14.4°C |
| | 10:35 AM | 57 °F 57 57 | 13.9°C 13.9 13.9 | 57 °F 13.9 °C |
| | 11:15 AM | 59° F 58.6° F 58° F | 15°C 14.77 °C 14.44°C | 58.5° F 14.7°C |

| | | | | |
|--|-----------------------|--|--------------|--------------------|
| <i>Water</i> | 10:00 AM | 11:15 AM | | |
| <i>Turbidity – small site tube</i> | very calm 10:20 AM | Very choppy 20 18 20 | | 20 JTU average |
| <i>Chlorophyll</i> | 10:45 AM | 0.3 | | |
| <i>Chemical</i> | | | | |
| DO | 10:05 AM | 11 mg/L | 14.38°C | 105% |
| (Drop count kit | | | | |
| | 11:20 AM | 9.1 mg/L | 15°C | 91%. |
| | 12:30 AM | 9.3 mg/L | 15.27°C | 91% |
| pH | 10:30 AM | 7.5 | | 7.33 avg. |
| (ind. Sol.) | | 7.0 7.5 | | |
| Salinity - quantabs | 11:00 AM | .2 | | .23 mg/L |
| | | .3 .2 | | average |
| Nitrates | 11:20 AM | Zero X 3 | | |
| <i>Fish Catch</i> | <i>Number</i> | <i>Species</i> | <i>CPUE</i> | <i>Seine</i> |
| seine – 8 ft. net, 15 ft. X 4 pulls | <i>Caught</i> 1 | Banded | 2 inch | 1 total |
| Seine #1 | 12:30 PM | Killifish Catch 0 | 15 ft. pull | CPUE -0- |
| Seine #2 | 12:40 PM | Catch 0 | 15 ft. pull | CPUE -0- |
| Seine #3 | 12:50 PM | Catch 1 | 15 ft. pull | CPUE .027 |
| <i>Tides</i> | 9:00 AM | 45 cm | | |
| Tidestick set in stones | 9:50 AM | 50 cm | Rising | 5cm/50 mins |
| | 10:00 AM | 47 cm | Falling | 3cm/30 mins |
| | 10:45 AM | 40 cm | Falling | 7cm/25 mins |
| | 11:05 AM | 33 cm | Falling | 7cm/20 mins |
| | 11:30 AM | 25 cm | Falling | 8cm/20 mins |
| | 1:00 PM | No long | Falling | |
| | | visible based on placement if tide stick | | |
| <i>Currents</i> | <i>Cm/60 sec</i> | <i>Cm/sec</i> | <i>Knots</i> | <i>North/South</i> |
| 10:15 AM | 302 | 5.03 | 0.097 | South/Ebb |
| 10:45 AM | 312 | 5.2 | 0.101 | South/Ebb |
| | | | | |

| | | | | |
|------------------------------|--|--------------------|------------|--|
| Traffic | 12:37 PM | Barge Weeks 533 | Southbound | |
| Core | Taken from the stream – can't core at the river here | | | |
| Other Observations | 2 large pleasure craft, one smaller boat (maybe a patrol boat). 2 Hawks high on the opposite side of the river. Kids thought they were airplanes. | | | |
| Comments/Observations | Schodack Island State Park – the river was quiet – the kids were not as Susan O'Dell Taylor joined me for A Day In the Life. There was much excitement as we found the water chemistry to be healthy for fish. Just to prove it we seined at the boat launch. We identified one Banded Killifish but from the reaction of the kids you would have thought it was the pot of gold at the end of a rainbow! | | | |
| Kid's Comments | <p>Talia – The Hudson River makes me feel cold. It is peaceful and fun. I enjoy the wildlife and all the boats. The plant life is cool too. Some of them are plain and some look exotic. I can't wait to see some fish. I hope we see a really big fish! Even though it looks brown and green it is very important to us and that we clean it to help the planet.</p> <p>Unkown – The day was long but exciting. I learned a lot (A LOT!) But still it was awesome.</p> <p>Betsy – The field trip was great! I just couldn't believe how much I learned...a lot! I can't wait to see what fish I see. I will write all about it so keep reading...</p> | | | |
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