

Day in the Life of the Hudson River 10/4/12 Data

RIVER MILE 76

Waryas Park, Poughkeepsie, Dutchess County

Lisa DiMarzo, Mid-Hudson Children's Museum

Jon Sokol, Sheafe Road Elementary School 4th grade 90 students, 30 adults

N 41 42' 31.1" – W 73 56' 20.8"

Location: North end of Waryas park, near the pavilion structure just south of the Fall Kill mouth at Waryas Park. Sampling taken off the riprap.

Area: public park, forested, open grassy, parking lot, beach area

Surrounding Land Use: 60 % urban/residential; 20% Industrial/commercial; 20% recreational park

Sampling Site: shoreline is riprap, shore bulkheaded, piping entering the river

Plants in area: ~ 30% of area has plants in the water.

Tidal Shallows: No aquatic vegetation

Water depth: 3 ft.

River Bottom –beyond rocks, muddy bottom speckled with debris – tires, slabs of concrete, rip rap rocks that are further out in the water than they should be

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|-----------------------------------|---|------------------------------------|------------------|-----------------|
| <i>Physical</i> | | | | |
| Air Temperature | 10:44 AM | 24°C 73 °F | | |
| | 11:42 AM | 28°C 76 °F | | |
| Wind Speed | 1-2 Beaufort | Light breeze | | |
| Cloud Cover | overcast | Light rain throughout AM - drizzle | | |
| Weather recently | Rain and humid last few days | | | |
| <i>Water</i> | Choppy* (note boat activity under currents) | | | |
| <i>Water Temperature</i> | 10:03 AM | 20°C 68°F | | |
| | | | | |
| <i>Turbidity – Long site tube</i> | 10:25 AM | 30 cm 33 cm 38 cm | | Average 34 cm |
| <i>Chlorophyll</i> | 10:25 AM | 0.05 | | |
| <i>Chemical</i> | | | | |
| DO (Test tabs) | not tested | | | |
| pH – indicator solution | 10:25AM | 7.0 7.5 7.0 | | 7.2 average |
| Salinity - Quantab | no data – | | | |

| | | | | |
|--|--|-----------------------|-----------------------|-------------------------------------|
| testtabs- low chloride | may have gotten wet | | | |
| <i>Fish Catch</i> <i>30 ft X 4 purse in middle X 10 ft pull</i> | <i>Number Caught</i> | <i>Species</i> | <i>Largest</i> | <i>13 pulls, 20 ft. each</i> |
| <i>Eel Pot</i> | 4 | Hog Choker | 4 inch | Div= 5 |
| | 3 | Sunfish | 5 inch | Total = 14 |
| | 1 | Eel | 11 inch | |
| | 2 | Striped Bass | 2 inch | |
| | 4 | Herring | 3 inch | |
| <i>Tides</i> | 10:02 AM | | | |
| | 10:44 AM | Falling | | |
| | 11:07 AM | Falling | | |
| | 11:42 AM | Falling | | |
| | 12:18 PM | Falling | | |
| <i>Currents*</i> | 10:02 AM | Flood (slight) | North | |
| *Lots of boat activity – even though small vessels there were at least 8 going back and forth creating more water movement than normal | 10:44 AM | Ebb | South | |
| | 11:07 AM | Still | | |
| | 11:42 AM | Flood | North | |
| | 12:18 PM | Flood | North | |
| <i>Other Observations</i> | <p>Lots of small vessel activity on the river during the event: fireboat, sheriff boat, and other small craft. Ripples make current look as if it is going 2 different ways. Lots of people on the walkway. Ladder on side of walkway piling. Observation Station was redirected to the creek at ~11:00 AM.</p> | | | |
| <i>Almanac Entry</i> | <p>Well another memorable Day in the Life of the Hudson River as over 90 4th grade students from Sheafe Road Elementary gathered at the Mid-Hudson Children’s Museum for a full morning of observation, data entry and a love for the river. Seining the river was a hit – pulling fish from a very dark river on a drizzly day provide exciting for all onlookers! The floppy 5 inch pumpkinseed was a sight for all to see even from afar! Students played the water cycle game, identified fish, looked closely at the quality of the water – especially fun using a turbidity tube. Fun and excitement was felt – and a love for the river has begun for many students and parents alike!</p> | | | |