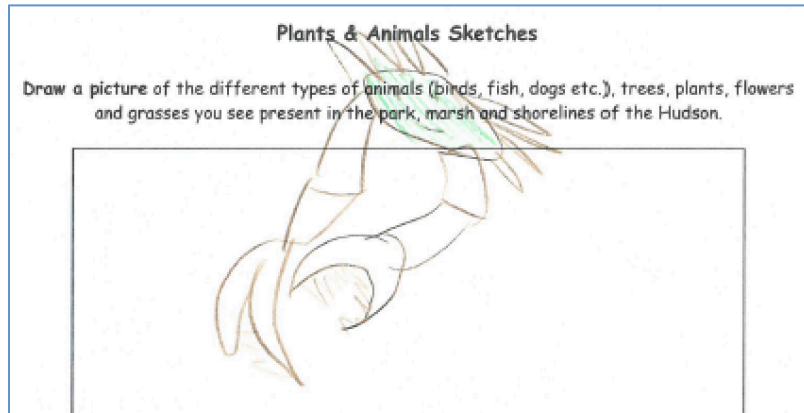


**Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~RM 83)
RIVER MILE 18.3**

**Vicki Garufi - Sarah Lawrence College Center for the Urban River @ Beczak
Kathleen Ruen, Sarah Lawrence College and 7 Graduate Students in the Art of
Teaching**

**Sarah Curtis, St. Ann's School, 20 second graders, 4 adults total
Latitude – N 40.93813129121615 Longitude – W -73.9028889408111**



Location: Habirshaw County Park, Seining beach, SLCC@ Beczak, Yonkers, Westchester County

Area: 2 acre riverfront county park covered mostly by a grass lawn leading down to the river where it meets a tidal wetland and sandy beach. Property used for fishing, boats, seining, field trips and education programs – Park and some urban – 75% urban residential, 25% waterfront/beach,

Surrounding Land Use: Beach – 2 acre park

Sampling Site shoreline: sandy beach, tidal marsh area covered with vegetation, banks altered, large riprap on shoreline, collected wood/debris in area,

Plants in area: no plants in the shoreline waterfront however in the marsh area there is: mud wort, reed grass, saltwater cordgrass, big cordgrass

Water depth –

River Bottom – muddy

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|----------------------------|-------------------------------|--------------------|------------------|-----------------|
| <i>Physical</i> | | | | |
| Air Temperature | 10:30 AM | 21°C | 70°F | |
| Wind Speed | | 6.3mph | | |
| Weather today | Partly cloudy 26-50%, No rain | | | |
| Weather recently | Warm and sunny | | | |
| Water calm | calm | | | |
| <i>Water Temperature –</i> | 11:00 AM | 68°F - thermometer | 19°C probe | |

| | | | | |
|--|---|----------------------------|------------------------|-----------------------------------|
| <i>Turbidity –</i> | <i>Sight tube –</i> 11:15 AM | 27 cm 26 cm 21 cm | Avg 24.6 cm | <i>Digital Probe</i> 13.8 NTU |
| <i>Chemical –</i> | Time | <i>Digital Probe</i> | H2O Temp | % saturated |
| DO – probe | 12:15 PM | 7.65 ppm | 19°C | 80% satur. |
| pH – indicator solution | 11:30 AM | 7.5 8 | Avg – 7.75 | <i>Digital Probe</i> 7.2 |
| Salinity – hydrometer | 12:00 PM – | 18 ppt 14 ppt 20 ppt | Avg - 17.3 ppt | <i>Digital Probe</i> 14.79 ppt |
| <i>Fish Catch -</i> Seine net 30 feet X 4 ft., 1.4 inch mesh- | <i>Number Caught –</i> | <i>Species</i> | <i>Size of largest</i> | <i>Notes</i> |
| FISH | 3 | Atlantic Silverside | | |
| | 1 FISH DIVERSITY | 3 TOTAL FISH | | |
| MACRO INV | 5 | Moon Jelly | | |
| | 1 OTHER DIVERSITY | 5 TOTAL OTHER | | |
| <i>Tides</i> | 10:00 AM | Rising | | |
| *dead low | 10:30 AM | Rising | | |
| 7:04 AM | 11:00 AM | Rising | | |
| High Tide 1:21 PM | 11:30PM | Rising | | |
| | 12:00 PM | Rising | | |
| <i>Currents</i> | NR | | | |
| <i>Shipping</i> | <i>Time</i> | <i>Ship</i> | <i>notes</i> | <i>N/S</i> |
| | 11:25 AM | Pilot Boat | Docked @ Yonkers | |
| | 11:36 AM | Cruise Ship | | North |
| | 11:44 AM | Tug & Barge | | South |
| <i>Other</i> | Plastic bottles, glass bottles, balloons, cigarettes, trash, wrappers | | | |
| | Bumble bee, lady bug, aphids, yellow flower, red berries | | | |