

**A Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~HR RM 80)**

**RIVER MILE East River 2.3– Cut out at Pier 5, Brooklyn Bridge Park
Christina Tobitsch, Brooklyn Bridge Park Conservancy &
St. Frances Afterschool Program - 12 - 6th graders & 3 adults
40°41'41.5" N – -74°.00'0.17" W**



Location: Pier 5 of Brooklyn Bridge Park, south of the Manhattan Bridge and south of the boat marina and in front of the soccer field.

Area: Developed set of piers

Surrounding Land Use: Urban residential and park land

Sampling Site: Rocky shoreline, rip rap

Plants in area: no plants noted in water

Water depth:

River Bottom –unknown

Plants in area – Some algae collected in plankton tows and fish traps

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|-----------------------------|---|-------------------------|-------------------------|------------------------|
| <i>Physical</i> | | | | |
| Air Temperature | 4:43 PM | 21°C 70 °F | 4:47 PM | 21.5°F 71 °F |
| Wind Speed | 4:45 PM | Beaufort 2 | | |
| Cloud Cover | 4:46 PM | overcast | | |
| Weather today | Quick drizzle at 5PM | | | |
| Weather last 3 days | Warm and dry, yesterday abnormally hot! | | | |
| <i>Water Surface</i> | Choppy | | | |
| <i>Water Temp.</i> | 4:50 PM | 20°C | | |
| | 5:30 PM | 18.6°C | 18.4°C | |

| | | | | |
|--|---|----------------------|----------|---|
| | | 65.48 °F | 65.12 °F | |
| <i>Turbidity – site tube</i> | 5:00 PM | >60 cm | | Tube was only 60 cm |
| <i>Chemical</i> | | | | |
| DO – tablet (LaMotte test kit) | 5:38PM | 20 C | 5.0 mg/L | 55 % saturated |
| pH – meter | 5:54 PM | 7 | | |
| Salinity – hydrometer | 5:00 PM | 30 ppt | | |
| Nitrates LaMotte | 5:51 PM | 3 ppm | | |
| Phosphates LaMotte | 5:48 PM | 2 ppm | | |
| Ammonia | 5:53 pm | 1 ppm | | |
| <i>MacroCatch – 2 minnow traps and 2 oyster cages</i> | Tube worm Golden Star Tunicate | 6 NR | | DIV – 5 TOTALS – unable to specify |
| | Sea Squirts | many | | |
| | Blue mussel | 1 | 1.5 cm | |
| | Mud crabs | 3 | <3cm | 1 M, 1 F, 1 unknown |
| <i>Other Items</i> | | | | |
| <i>Shipping-commercial</i> | 4:40 PM | Black/White | North | Light |
| | 4:40 PM | Blue/White | North | Loaded |
| <i>Shipping - Recreational</i> | 4:42 PM | Water Taxi/Yellow | North | Light |
| <i>Observations</i> | More trash and debris floating in the water than usual. Very little plankton found under the microscopes, perhaps because of all the debris. Birds – mainly gulls overhead | | | |