

Day in the Life of the Hudson River 10/05/2023
Canarsie Pier-Gateway National Rec Area, Jamaica Bay, Brooklyn, NY

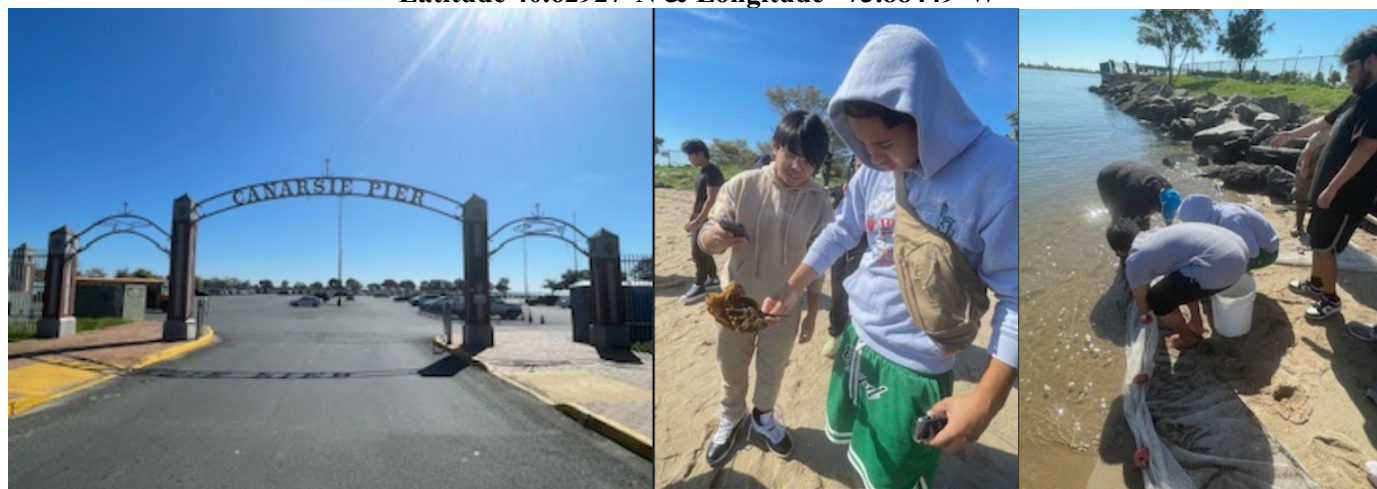
RIVER MILE: -5.3

Salt Front: ~ 52

P2G @ LAGCC-Julie Vattamala

10 students, 12th grade, 5 adults

Latitude 40.62927°N & Longitude -73.88449°W



Location: Jamaica Bay, Canarsie Pier, Brooklyn, NY

Surrounding Land Use: 10% Beach, 40% Park, 40% Parking lot, 10% Grassy Area, Belt Parkway

Sampling Site: Concrete Pier, Beach covered with vegetation, Parking lot, Pipe entering the water

Shoreline: 90% Sandy & 10% Rocky

Water: Calm

River Bottom: Sandy

Plants in the water: No Plants in the water

*NR = Not read/recorded

| <i>ITEM</i> | <i>Time</i> | <i>Reading</i> | | <i>Comments</i> |
|---|--|-----------------------------------|--------------------|--|
| Physical | | | | |
| <i>Air Temperature</i> | 11:20 AM 12:00 PM | 25.5°C 26.1°C | 77.9°F 79°F | |
| <i>Wind Speed:</i> | 11:45 AM | <i>Anemometer</i> 0.9 m/s | <i>Beaufort</i> | <i>Direction</i> |
| <i>Weather today</i> | 11:30 AM | <25% Cloud Cover | No Rain | |
| <i>Weather the past 3 days:</i> | There has been no rain and it has been sunny and hot | | | |
| <i>Tides- NR</i> | <i>Time</i> | <i>Rising, Falling, Unchanged</i> | <i>Height (cm)</i> | |
| | | | | |
| <i>Current- NR</i> | <i>Time</i> | <i>Cm/sec</i> | <i>Knots</i> | <i>North/South</i> <i>Ebb/Flood/Slack</i> |
| | | | | |
| <i>Water Temperature-</i> | 11:30 AM | 21°C | 69.8°F | |
| <i>Turbidity- Long Sight Tube (120 cm)</i> | 12:00 PM | 78 cm | | |
| Chemical | | | | |
| <i>Standardized Salinity- Refractometer</i> | 12:30 PM | 29,000 ppm | 29 ppt | |
| <i>Student Salinity- Hydrometer</i> | 12:00 PM | 28,000 ppm | 28 ppt | |
| <i>DO – Hach Drop Count Kit</i> | <i>Time</i> | <i>Temp</i> | <i>ppm DO</i> | <i>% saturation</i> |
| | 12:15 PM | 21°C | 8 ppm | 90% |
| <i>pH – NR</i> | | | | |

Biological

| <i>Fish- Seine (3 Hauls)</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | <i>Notes</i> | | |
|---------------------------------|-----------------------|---------------------|-----------------------------|--------------|--|---|
| 11:30 AM-12:00 PM | 105 | Atlantic Silverside | 12 cm | | | |
| Fish Totals | TOTAL: 105 | Diversity: 1 | | | | |
| <i>Macroinvertebrates</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | | | |
| | Several | Mud snails | | | | |
| | Several | Hermit Crabs | | | | |
| | Several | Moon Jellies | | | | |
| Macroinvertebrate Totals | TOTAL: | Diversity: 3 | | | | |
| <i>Sediment Core</i> | <i>Time</i> | <i>Oxid Top</i> | <i>H₂S Smell</i> | <i>Oil</i> | <i>Grain Size</i> | <i>Other Features</i> |
| 14 cm | 12:15 PM | No | No | No | <i>Abundant:</i> Sand <i>Rare:</i> Gravel | <i>Common:</i> Oyster Shells <i>Rare:</i> Coal |

Boats- None Seen

| Commercial/ Recreational | Time | Name | Color | Southbound/ Northbound | Light/ Loaded |
|-------------------------------------|-------------|-------------|--------------|-----------------------------------|--------------------------|
| | | | | | |