

Day in the Life of the Hudson River 10/05/2023

Quiet Cove Park, Poughkeepsie, NY

RIVER MILE: 78

Salt Front: ~ RM 52

Krieger Elementary School-Skip Hoover

Cornell Cooperative Extension-Anna Harrod-McGrew

DEC Fisheries - Bobby Adams and team

98 students, 5th grade, 25 adults

Latitude 41.73506°N & Longitude -73.93632°W



Location: Quiet Cove, Poughkeepsie, Dutchess County, NY. East side of the Hudson River.

Surrounding Land Use: Picnics, boating and fishing—60% is beach with rip rap banks, 40% previous industrial site

Sampling Site: An old industrial area that has been turned into a park. Used by people for picnics, fishing.

Shoreline: Rocky, altered banks with rip rap and wooden bulkhead, boat launch for kayaks and canoes.

Water : NR

River Bottom: NR

Plants in the water: NR

*NR = Not read/recorded

| <i>ITEM</i> | <i>Time</i> | <i>Reading</i> | | <i>Comments</i> | |
|--|--|-----------------------------------|--------------|--------------------|------------------------|
| Physical | | | | | |
| <i>Air Temperature</i> | 10:32 AM | 17.7° C | | 64° F | |
| <i>Wind Speed:</i> | 10:32 AM | <i>Anemometer</i> | | <i>Beaufort</i> | <i>Direction</i> |
| | | | | 2 | South |
| <i>Weather today</i> | 10:32 AM | Low clouds with heavy fog | | No Rain | |
| <i>Weather the past 3 days:</i> | Foggy mornings with very warm sunny afternoons | | | | |
| <i>Tides-</i> | <i>Time</i> | <i>Rising, Falling, Unchanged</i> | | <i>Height (cm)</i> | |
| | 10:15 AM-12:57 PM | Rising | | 305 cm 330 cm | |
| <i>Current-</i> | <i>Time</i> | <i>Cm/sec</i> | <i>Knots</i> | <i>North/South</i> | <i>Ebb/Flood/Slack</i> |
| | | 8.62 | | South | Ebb |
| <i>Water Temperature-</i> | 10:45 AM | 23°C | | | |
| <i>Turbidity- Short Sight Tube (60 cm)</i> | 11:05 AM | 55 cm 50 cm 27 cm | | | |
| Chemical | | | | | |
| <i>Standardized Salinity- Low Range Quantabs</i> | 1:45 PM | Below Detection | | | |
| <i>DO – Lamotte Elementary</i> | <i>Time</i> | <i>Temp</i> | | <i>ppm DO</i> | <i>% saturation</i> |

| | | | | |
|--|----------|--------|-------|--|
| <i>Science Test Tablet Kit</i> | | | | |
| | 10:45 AM | 23°C | 4 ppm | |
| <i>pH – Color Match Kit</i> | 10:45 AM | 8 | | |
| <i>Nitrates- Lamotte Elementary Science Water Test Kit</i> | 10:45 AM | < 5ppm | | |
| <i>Phosphates- Lamotte Elementary Science Water Test Kit</i> | 10:45 AM | 2 ppm | | |

Biological

| <i>Fish-Electroshocking on site</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | <i>Notes</i> | | |
|-------------------------------------|-----------------|---------------------|-----------------------------|--------------|---|-----------------------|
| 9:30 AM-1:15 PM | 1 | Common Carp | 40 cm | | | |
| | 2 | American Eel | 48 cm | | | |
| | 1 | Redbreast Sunfish | 17 cm | | | |
| | 1 | Largemouth Bass | 11 cm | | | |
| | 3 | Tessellated Darter | 7 cm | | | |
| Fish Totals | TOTAL: 8 | Diversity: 5 | | | | |
| <i>Macroinvertebrates</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | | | |
| | | | | | | |
| Macroinvertebrate Totals | TOTAL: 0 | Diversity: 0 | | | | |
| <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> |
| | | | Yes | No | Common: Mud, Sand Rare: Clay, Gravel | Common: Brick |

Boats-NR

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