

Day in the Life of the Hudson & Harbor 10/22/20 Data
RIVER MILE 58
(Saltfront ~ RM 75)

Plum Point/Kowawese, New Windsor, Orange County, NY

Mary Lynne Mahoney & Sarah Archibald, Orange County Water Authority & 2 helpers

GPS Latitude 41.463 Longitude -74.015



Location: Southern Sandy beach at Kowawese, Plum Point, New Windsor, Orange County, Public Shore, Picnic Area

Area: Sandy beach bordered by forested area and parking lot. Used for picnic, fishing, kayaking

Surrounding Land Use: Beach 50%, Forested 50%

Shoreline: 75% rocky, 20% muddy, 5% sandy

Sampling Site: sandy beach (cove), rip rap in area of sampling site, debris in the area such as broken concrete, docking with forested piece behind

Plants in area: NR

Water depth: NR

River Bottom – sandy, rocky

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|--------------------------|--|---------------------|------------------|-----------------|
| <i>Physical</i> | | | | |
| Air Temperature | 8:55 AM | 15°C | 60°F | |
| Wind Speed | 9:00 AM | 7 mph Beaufort 2 | E | |
| Cloud Cover | foggy | | | |
| Weather today | 8:55 AM No rain, foggy | | | |
| Weather recently | Sprinkles yesterday, fog in the AM and relatively warm | | | |
| <i>Water Temperature</i> | 9:08 AM | 14°C | 58 °F | |
| <i>Water Surface</i> | NR | | | |
| <i>Turbidity</i> | 9:24AM | 30 cm | | |

| | | | | | |
|-------------------------------------|---------------------|---|--|--------------------------------|---------------------|
| <i>Long sight tube</i> | | | | | |
| <i>Chemical</i> | | | | | |
| DO | TIME | Temp | DO | % Sat | |
| DO – drop count test kits | 1:05 PM | 15°C | 10 ppm | 100% | |
| pH – color match kit | 12:50 PM | 7.5 | | | |
| <i>Salinity – hydrometer</i> | <i>Time</i> | <i>Total Salinity</i> | <i>Comment</i> | | |
| | 12:45 PM | *Recorded as 14 ppt | *This is well above the expected range for this site | | |
| <i>Nitrates</i> | NR | | | | |
| <i>Biological</i> | | | | | |
| <i>Fish Catch</i> | <i>Count</i> | <i>Species</i> | <i>Size of largest</i> | <i>Size of Smallest</i> | |
| FISH | 3 | Striped Bass | 10 cm | 8 cm | |
| | 1 | American eel | 12 cm | | |
| | 1 | Bay Anchovy | 12 cm | | |
| | TOTALS: 5 | DIV: 3 | | | |
| MACRO | NR 2 2 | Barnacles Jellies – moon *Blue crab | *Crabs: 1sm male & 1 adult female | | |
| | TOTALS: 4+ | DIV: 3 | | | |
| <i>Tides</i> | 8:14 AM | Ebbing | | | |
| <i>Currents</i> | <i>Time</i> | <i>Cm/30 sec</i> | <i>cm/sec</i> | <i>Kts</i> | <i>N/S/F</i> |
| | NR | | | | |
| <i>Shipping Recreational</i> | NR | | | | |