

Day in the Life of the Hudson River 10/20/15
East River, Gantry Plaza at Newtown Creek
Alex Pistell, Rebecca Raddock, PS 78Q - 5th – 8th grade students, 160 students

Location: East River, Gantry Plaza State Park, Long Island City, Queens

Surrounding Land Use: Urban 80%; Grassy 15%; Rocky Shoreline 5%

Sampling Site: Shoreline is rocky with some plants and has piers.

Plants in area: A few trees and tall grasses.

Water depth: unknown

River Bottom: unknown

All sampling occurred between 9:30-11:00 & 11:30 and 1:00 PM

| <i>A</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|--|-------------|------------------|------------------|-----------------|
| <i>Physical</i> | | | | |
| Air Temperature | Averaged | 12°C | 53 °F | |
| Wind Speed | Averaged | Beaufort 2 | NE | 7 mph |
| Cloud Cover | Averaged | 40% covered | Partly cloudy | |
| Weather last 3 days | | | | |
| <i>Water Temperature</i> | Averaged | 18°C | | |
| <i>Turbidity</i> Secchi Disk | Averaged | 2.75 feet | 84 cm | |
| <i>Chemical</i> | | | | |
| DO - chemettes | Averaged | 4 ppm | 18°C | 40% saturated |
| pH (test strips) | Averaged | 6.5 | | |
| Salinity (Hydrometer) | Averaged | 25 ppt | | |
| <i>Tides</i> | | N/R | | |
| <i>Currents</i> | Averaged | 0.15 m/s | | |