

Day in the Life of the Hudson River 10/22/19
STEEPLECHASE PIER, CONEY ISLAND, BROOKLYN NY
RIVER MILE -9.1
Salt Front ~RM 53
IS 240 Magnet School of STEM- Deborah Sarria
50 students 6th grade, 5 adults
Latitude 40° 34' 12"N & Longitude – 73° 59' 1"W



Location: Steeplechase Pier, Coney Island, Brooklyn, NY
Area: 15% Urban/Residential, 70% Beach, 15% Industrial/Commercial
Surrounding Land Use: 12.5% Urban/residential; 12.5% Industrial/Commercial; 75% Beach
Sampling Site: Beach areas with pier and riprap shoreline.
Plants in area: no plants in water area
Water: choppy
River Bottom: Sandy

| <i>ITEM</i> | <i>Time</i> | <i>Reading</i> | | <i>Comments</i> |
|------------------------------------|--------------------------------------|-----------------------|----------|------------------------|
| <i>Physical</i> | | | | |
| <i>Air Temperature:</i> | 11:02 AM | 15.5 ° C | ° F | |
| | 11:46 AM | 15.5 ° C | ° F | |
| <i>Wind Speed:</i> | 11:02 AM | Anemometer | 9.2 mph | East |
| | 11:46 AM | | 11.4 mph | |
| <i>Weather Today:</i> | Rain, light drizzle, overcast | | | |
| <i>Weather Previous:</i> | 10/19 clear, 10/20 rain, 10/21 clear | | | |
| <i>Water Temperature</i> | 11:15 AM | 15.8 ° C | ° F | |
| | | 15.9 ° C | | |
| <i>Turbidity - Long sight tube</i> | 11:05 AM | 1220cm | | |
| | | 121 cm | | |
| <i>Chemical</i> | | | | |

| | | | | |
|--------------------------------|----------------------|-------------------------------|--------------------------|--------------------------------------|
| <i>Salinity- hydrometer</i> | 11:25AM | 24 ppt 23 ppt | <i>Average 23.5 ppt</i> | |
| <i>DO – meter</i> | <i>Time</i> | <i>Temp</i> | <i>ppm DO</i> | <i>% saturation</i> |
| | 11:15 AM | 15.8 ° C | 9.49 | 90% |
| <i>pH - meter</i> | 11:25 AM | 7.52 7.73 | Average 7.625 | |
| <i>Fish –</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | |
| | N/R | | | |
| | TOTAL: | Diversity: | | |
| <i>Macroinvertebrates-trap</i> | <i>Number</i> | <i>Name</i> | <i>Length of longest</i> | |
| | 7 | Spider Crab | | |
| | 1 | mussel | | |
| | TOTAL: 8 | Diversity: 2 | | |
| <i>Tides-</i> | <i>Time</i> | <i>Rising, Falling, Still</i> | <i>Height (cm)</i> | <i>Rate of Tidal Change (cm/min)</i> |
| | 11:12 AM 11:30 AM | - Rising | 510 cm 400 cm | - 6.1 cm/min |
| Commercial Boats | 10:45 AM | Rockaway Ferry | East | Light |
| | 11:30 AM | Rockaway Ferry | West | Light |