**Day in the Life of the Hudson River 10/20/15**

**RIVER MILE -6**

**Steeplechase Pier, Coney Island, Brooklyn NY**

**Deborah Sarria, Andries Hudde JHS 8th graders**

**51 students, 7 adults**

**40°, 34’N - 73°, 59’W**

**Location:** Steeplechase Pier, Coney Island, Brooklyn NY

**Surrounding Land Use:** Beach 100%

**Sampling Site:** Beach areas with pier and riprap shoreline

**Plants in area:** No plants in the area

**River bottom:** Sandy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 11:15 AM  12:15 PM | | 15°C  16°C | 59°F  60.8°F |  |
| ***Wind Speed*** | 5.2 mph | | East | ***Water Surface*** | Choppy |
| Cloud Cover | Clear | | Weather Today | No rain |  |
| Weather last 3 days | There was no precip in the last 3 days. The cloud cover ranged from clear to part cloudy, Air temperatures 39-59°F | | | | |
| ***Water Temperature*** | 11:24 AM | 13.6°C  13.6°C  13.6°C | | 56.5°F  56.5°F  56.5°F | Avg  13.6°C  56.5°F |
|  | 11:50 AM | 14.6°C  14.6°C  14.5°C | | 58.3°F  58.3°F  58.1°F | Avg  14.56°C  58.23°F |
|  | 12:20 PM | 14.7°C  14.6°C  14.7°C | | 58.5°F  58.3°F  58.5°F | Avg  14.66°C  58.43°F |
| ***Turbidity***  Sight Tube | 11:30 AM | 107 cm  120 cm  117 cm | | Average  114.7 cm |  |
|  | 12:34 PM | 110 cm  95 cm  96 cm | | Average  110.3 cm |  |
| ***Chemical*** |  |  | |  |  |
| DO  (meter) | 11:50 AM | 14.6°C | | 9.46 ppm | 90 % |
| pH | 11:14 AM | 7  7  7 | | Average 7 |  |
| Salinity  (Hydrometer) | 11:07 AM | 30 ppt  30 ppt  30 ppt | | 30 ppt |  |
| ***Tides –*** | 11:44 AM  12:17 PM  12:40 PM | set  Unchanged  Rising | | 400 cm  400 cm  450 cm | ----  ----  2.2 cm/min |
| ***Currents*** | NR |  | |  |  |
| ***Fish – minnow traps -------***  ***Diversity – 1***  ***Total Catch –50*** | 11:00 AM | 50 | | Silversides | 10 cm |
| ***Macroinvertebrates***  ***Diversity – 1***  ***Total Catch 6*** |  | 6 | | Lady Crabs |  |
| ***Shipping - Commercial*** | 11:20 AM  11:35 AM  11:50 AM  12:10 PM | Cargo  Cargo  Cargo  Cargo | | South  North  North  South | Loaded  Loaded  Loaded  Loaded |
| ***Recreational*** | 11:35 AM | Parasail | |  |  |