**Day in the Life of the Hudson River 10/10/13 Data**

**(Salt Front RM 69.3)**

**Gerritsen Creek, Jamaica Bay, NY**

**Ranger Ricardo Amarocho, Salt Marsh Nature Center**

**Sydra Mallery, Brooklyn School of Inquiry**

**61 students, 2nd graders and 20 adult helpers**

|  |  |
| --- | --- |
| **Macintosh HD:Users:margie:Documents:Snapshot Day:2013:photos:Gerritsen Creek:A Day in the Life 5 copysm.jpg** | **Macintosh HD:Users:margie:Documents:Snapshot Day:2013:photos:Gerritsen Creek:A Day in the Life Stanne 2 copysm.jpg** |

**Location:** Gerritsen Creek Salt Marsh, Jamaica Bay, Brooklyn, NY

**Area:** Beach area along the salt marsh

**Surrounding Land Use:** Residential, recreational

**Sampling Site:** Beach along salt marsh

**River Bottom:** Sandy

**Plants in area:** Phragmites, Spartina, Goldenrod

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  | |  |  |
| Air Temperature |  | |  | |  |  |
| Wind Speed |  | |  | |  |  |
| Cloud Cover | Cloud | |  | |  |  |
| Weather today | Overcast | | cool | | | |
| ***Water Condition*** |  | | | | | |
| ***Water Temperature*** | 10:35 AM  11:20 AM  12:10 PM | 14°C  14°C  18°C | |  | |  |
| ***Turbidity***  ***Long site tube*** | 10:35 AM  11:20 AM  12:10 PM | 17 NTU  13 NTU  10 NTU | | 39 cm  47 cm  54 cm | | Average 47 cm |
| ***Chlorphyll*** |  |  | |  | |  |
| ***Chemical*** |  |  | |  | |  |
| DO - LaMotte Estuary wide Marine kit | 10:35 AM  11:20 AM  12:10 PM | 4 mg/L  4 mg/L  4 mg/L | | 14°C  14°C  18°C | | 35% sat.  35% sat.  40% sat. |
| pH | 10:35 AM  11:20 AM  12:10 PM | 7  7  7 | |  | |  |
| Salinity – coralife hydrometer | 10:35 AM  11:20 AM  12:10 PM | 25 ppt  25 ppt  26 ppt | |  | |  |
| ***Fish Catch*** | **Total** | **Fish** | |  | | **3 seines** |
|  | 2 | Atlantic Silverside | |  | | **Diversity 3**  **Totals 29** |
|  | 20 | Comb Jellies | | Ctenophores | |  |
|  | 7 | Ghost Shrimp | |  | |  |