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

**(Salt Front RN 69.3)**

**RIVER MILE 18.5W**

**Alpine Boat Basin**

**Christina Fehre, Alpine Park, Palisades Interstate Park**

**Lisa, Wolfelsperger, & Rivka Rosenstein, Alpine Elementary School**

**Alpine NJ – 6th grade – 11 students**

**N 40**°**56.43”– W -73**°**55,7”**

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**Location:** North end of the Alpine Boat Basin, adjacent to a sandy beach area

**Area:** Pier, Forested, parking lot, used for picnics, boats, fishing and education programs

**Surrounding Land Use:** 50%Forested (at the foot of the Palisades, 25% Man made Sandy Beach , 25%, recreationally developed pier

**Sampling Site:** sandybeach, banks altered, rip rap, bulkhead, pier

**Plants in area:** none

**River Bottom** – sandy, muddy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical*** |  | |  |  |  |
| Air Temperature | 11:12 AM | | 59 °F  15°C |  |  |
| Wind Speed | 11:26 AM | | Beaufort #4 |  | N |
| Cloud Cover | Cloudy, drizzly | |  |  |  |
| Weather today | Rain/drizzle | | | | |
| Weather recently | Some rain and light wind | | | | |
| ***Water*** | choppy | | | | |
| ***Water Temperature*** | 11:12 AM | 5°C  41 °F | |  |  |
| ***Turbidity*** | 10:35 PM | 52 cm  40  50 | | Average 47.3cm | Secchi Disk |
|  | 2nd reading | 54  53  53 | | 53 cm |  |
| ***Chlorophyll*** |  |  | |  |  |
| ***Chemical*** |  |  | |  |  |
| DO -  Drop count kits | Not read |  | |  |  |
| pH – test strips | 11:15 AM | 6.5 | |  |  |
| Salinity - hydrometer | 11:00 AM | 17.5 ppt | |  |  |
| ***Fish Catch -*** 8X4 ft. seine net | ***Number Caught*** | ***Species*** | | ***Size*** | ***Seine*** |
| 9:30-11:30 AM | 1 | White Perch | | 5-7 inch |  |
| **TOTAL CATCH 2** | 1 | Shiner | | 3-4 inch |  |
| **DIVERSITY 2** | ~40 | Jellyfish | |  |  |
| **MACRO** | 8 | Comb Jelly | |  |  |
| **Total Catch** | 1 | Shrimp | | 1.5 inch |  |
| ***Tides*** |  |  | |  |  |
| ***Currents-*** |  |  | |  |  |
| ***Sediment Core*** | **TOTAL Length** | **Common** | | **Rare** | **Description** |
|  | Not recorded | Mud | | Gravel, pebbles  coal | sand |
| ***Shipping*** |  |  | |  |  |