**Day in the Life of the Hudson River 10/29/14 Data
(Salt Front ~RM61.1 - on 10/28/14 at this location but not reported for 10/29-10/31 on 11/1/14 it was at 59.6)**

**RIVER MILE 18.5W**

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**Alpine Boat Basin**

**Colin Keegan, Alpine Park, Palisades Interstate Park**

**Lisa, Wolfelsperger, , Alpine Elementary School**

**Alpine NJ – 6th grade – 18 students, 2 teachers, 2 PIP educators (5 adults total)**

**N 40.7031**°**– W -74.0267**°

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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:** 63%Forested (at the foot of the Palisades, 6% Man made Sandy Beach , 6% Industrial/Commercial; 25%, recreationally developed pier

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

**Plants in area:** found few water chestnut seeds floating in the area but not growing

**River Bottom** – shallow depth - sandy, rocky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 11:24 AM | 55 °F19°C |  |  |
| Wind Speed |  |  |  |  |
| Cloud Cover | Overcast |  |  |  |
| Weather today | No rain |
| Weather recently | Rain  |
| ***Water*** |  |
| ***Water Temperature***11:20 AM | 27°C\*80.6 °F\* Reported  | HRECOS notes it was closer to 59°F or 15°C |  |  |
| ***Turbidity*** | Not read |  |  |  |
| ***Chemical*** | **Not read onsite** | **HRECOS**  |  |  |
| DO - Drop count kits | See HRECOS below  | 8.2 ppm |  |  |
| pH – test strips | See below | ~7.4 |  |  |
| Salinity - | See Below | ~ 7 ppt  |  |  |
| ***Fish Catch -*** 8X4 ft. seine net | ***Number Caught*** | ***Species*** | ***Size*** | ***Seine***  |
| 9:30-noon | 10 | Atlantic Silverside | 5-8 inch |  |
|  | 2 | White Perch | 7.5 inch |  |
|  | 3 | Striped Bass | 4 inch |  |
|  | 3 | Bay Anchovy | 3 inch |  |
|  | 1 | Northern Pipefish | 8 inch |  |
| **TOTAL CATCH** | **19**  | **TOTAL DIVERSITY** | **5** |  |
| ***Tides*** | HT 11:10 AM | Stick floated away @ HT |  |  |
| ***Currents-***  | **Time** | **Cm/30 secs** | **Cm/Sec** |  |
| ***A pier juts out and we are not in the main stem of the Hudson River*** | 11:10 AM 11:14 AM11:16 AM11:20 AM | 13.5730 266266 | 0.265551.4 0.4680.468 | Flood/SouthFlood/SouthStillStill |

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***D.O. and Water Temperature for closest HRECOS station at RM 25***

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***Salinity and pH from Piermont – closest HRECOS station at RM 25***