**Day in the Life of the Hudson River 10/20/16 Data**

**(Saltfront ~ RM 83)**

**RIVER MILE 22**

**Kinnally Cove & MacEachron Waterfront Park, Hastings-on-Hudson**

**Melissa Shandroff, Hastings High School APES 11th-12th grade, 50 students, 4 adults**

**Latitude 40°59’52”N, Longitude 73°53.03”W**

**Location:** Kinnally Cove, Hastings-on-Hudson, Westchester County

**Area:** Beach area with riprap shoreline, next to the park – used both spaces. Beach is totally covered during high tide.

**Surrounding Land Use:** 50% industrial/commercial (next to old Anaconda site) but mainly parking lot now, 15 % forested, 10% grassy, 25% beach

**Sampling Site:** beach, banks altered, riprap on shoreline, bulkhead

**Plants in area:** grass and weeds

**River Bottom** – sandy/rocky bottom

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***9:30 AM*** | ***1:30 PM*** | |  | | ***Comments*** |
| ***Physical*** |  |  | |  | |  |
| Air temperature | NR |  | |  | |  |
| Wind Speed | NR |  | |  | |  |
| Cloud Cover |  | | | | |  |
| Weather today |  | | | | | |
| Weather recently | Warm and dry | | | | | |
| ***Water Surface*** |  | | | | | |
| ***ITEM*** | ***9:30 AM*** | | ***1:30 PM*** | |  | ***Comments*** |
| ***Turbidity – long site tube*** | NR | |  | |  |  |
| ***Water temperature*** | 64.4°F | | 18°C | |  |  |
| ***Chemistry*** |  | |  | |  |  |
| *pH -* Pen | NR | |  | |  |  |
| *DO – Hach kit* | NR | |  | |  |  |
| *% saturation* | NR | |  | |  |  |
| *Salinity -hydrometer* | 14 ppt | |  | |  |  |
| ***Fish Catch***  Seine 30 ft. net | 7 | | Atlantic Silversides | |  | ***DIV 4***  ***TOTAL 16*** |
|  | 3 | | Bay Anchovy | |  |  |
|  | 3 | | Striped Bass | | ***\*noted an unusually low catch*** | |
|  | 3 | | White Perch | |  |  |
| \*We did not catch many fish this year, which is unusual. Fantastic day to be out on the river! Thank you for all that you do to make this day a success. The students love this day. | | | | | | |