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

**RIVER MILE 76**

**Waryas Park, Poughkeepsie, Dutchess County**

**Brian Reid & Lynn Fordin, Poughkeepsie Day School Second Grade**

**24 students and 9 adults**

**N 41°7’ – W 73°9’**

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**Location:** Waryas Park, Poughkeepsie, New York.

**Area:** public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

**Surrounding Land Use:** 10 % urban/residential; 40% Industrial/commercial, 50% park area with grass and waterfront docks

**Sampling Site:** shoreline is riprap, vegetation, banks altered, pier, rocky

**Plants in Sample Area:** None

**Shoreline:** 100% rocky

**River Bottom** –rocky

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| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** | |
| ***Physical*** |  | |  |  |  | |
| Air Temperature | 11:03 AM  11:30 AM | | 55 F  55 F | 12.8 C  12.9 C |  | |
| Wind Speed | 11:25 AM | | #3 |  | | |
| Cloud Cover | 11:15 AM | | Partly cloudy | 26-50% |  | |
| Water | Calm | | | | | |
| Weather | Dry | | | | | |
| Weather last 3 days | Very cold last 2 nights (below 20 degrees F) and very dry stretch | | | | | |
| ***Water Temp.-***from0.5 ft. of water inshade | 11:01 AM  11:32 AM | 16 degrees C  15 degrees C | | 60.8 F  59 F | | . |
| ***Turbidity – long site tube*** | 11:00 Am | 36 cm  34 cm | |  | | Average 35 cm |
| ***Chemical*** |  |  | |  | |  |
| DO - Drop Count | NR |  | |  | |  |
| pH – color match | 2:0 PM | 7.2 | |  | |  |
| Salinity - | 11:05 AM | 1.5 value | | 31 ppm Chl | | 56 ppm TS |
| ***Fish Catch – 28 feet net*** | ***Number Caught*** | ***Species*** | | ***Largest*** | |  |
| ***12:30 PM –seine 1*** | 1 | Striped Bass | | 7.6 cm | | **DIV – 3**  **Catch - 15** |
|  | 7 | Spottali Shiner | | 10 cm | |  |
|  | 7 | Y-o-y Shad | | 7.6 cm | |  |
| ***1:10 PM – seine 2*** | 11 | Spottail Shiner | | 10 cm | | **DIV – 1**  **Catch - 11** |
| ***TOTAL DIV - 3*** |  | **TOTALS- 26** | |  | |  |
| ***Tides*** | 10:40 AM | 26 cm/sec | |  | |  |
|  | 11:48 AM | 2 cm/sec | | Drop of 24 cm in 68 mins | | Ebb |
| ***Currents*** | 10:56 AM | 208 cm/30sec | | 7cm/sec | | 0.136 kts - Ebb |
|  | 11:29 AM | 230 cm/30sec | | 7.6 cm/sec | | 0.149 kts - Ebb |
| ***Core*** | **Length of Core** | **Rare** | | **Common** | | **Abundant** |
| ***10:40 AM*** | 7.6 cm |  | | Clay  Mud  Sand  Gravel  Pebbles  Leaves  wood | |  |
| ***Shipping – Commercial*** | **Type/Name** | **Color** | | **Direction** | | **Loaded/ Light** |
| 11:00 AM | Mystic barges | White | | Docked | |  |
| 11:00 AM | American Star | White | | Docked | |  |
| 12:00 PM | Tug/Barge | Blue | | Southbound | | Light |
| ***Shipping Recreational*** |  |  | |  | |  |
| 11:30 AM | Sailboat | Blue | | Southbound | |  |
| 11:35 AM | Power Boat | Red | | Southbound | |  |
| ***Observations*** | Chestnut seeds | Geese | | Seagulls | |  |