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

**HARLEM RIVER MILE 10**

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**Ward’s Island on the Harlem River**

**Dinorah Hudson, High School for Math, Science and Engineering @ City College**

**60 -12th graders, 6 adults**

**40.79N and 73.92W**

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| **Macintosh HD:Users:margie:Documents:Snapshot Day:2015:photos:Ward's Island:wards_shrimp_hands.jpg** | **Macintosh HD:Users:margie:Documents:Snapshot Day:2015:photos:Ward's Island:wards_silversides_below.jpg** |

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| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Weather*** | 11:00 AM | Clear day | Fall temperatures |  |
| ***Water Temperature*** | 11:05 AM | 17 Degrees C |  |  |
| ***Chemistry*** |  |  |  |  |
| Dissolved Oxygen | 11:05 AM | 7 ppm | 17 Degrees C | 70% saturated |
| pH (color match test strips) | 12:10 PM | 6 |  |  |
| Salinity – hydrometer | 11:50 AM | 22 ppt |  |  |
| Phosphate test strips | 11:45 AM | 0% |  |  |
| Nitrate test Strips | 10:47 AM | 0% |  |  |
| ***Turbidity*** | 10:56 AM | 12.93 cm |  |  |
| ***Tides*** | 11:42 AM | Ebbing |  |  |
| ***Current*** | 11:55 AM | 16.7 ft.min | 509 cm/60 sec | 8.48 cm/sec |
| ***Fish Catch –*** | ***Number caught*** | ***Species*** | ***Length of largest*** |  |
|  | 41 | Atlantic Silverside |  |  |
| **TOTAL CATCH 41** | **DIV 1** |  |  |  |
| ***Macroinvertebrate Catch*** | 1 | Crangon Shrimp |  |  |
|  | 4 | Jelly fish |  |  |
|  | 4 | Snails |  |  |
| **TOTAL CATCH 9** | **DIV 3** |  |  |  |
| ***Sediment Core*** | ***Length*** | ***Properties*** | ***Common*** | ***Abundant*** |
|  | 8 inch | No H2S smell  No oil  No oxidized top | Mud  Gravel  Pebbles  Wood | Sand |