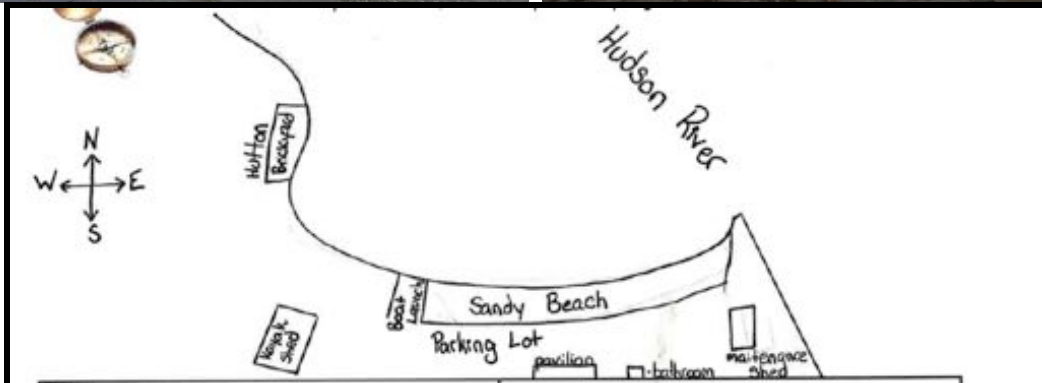


**Day in the Life of the Hudson River 10/12/17 Data  
(Salt Front ~RM 65)  
RIVER MILE 92**

**Kingston Point Park, Kingston, Ulster County  
Julie Noble, KC Keegan-Twonbly, Forsyth Nature Center (Site Hosts)  
Robert Graves School, 95 students, 3<sup>rd</sup> grade, 9 adults  
GPS Latitude 41°55.48 N Longitude 73°57.55 W**



**Location:** Swimming Beach Kingston Point, City of Kingston, forested, beach and parking lot

**Area:** Used for picnics, boating, fishing, swimming, jogging, kayaking

**Surrounding Land Use:** 5% forested; 85% beach; 10% Industrial/Commercial

**Sampling Site:** Beach area - shoreline is sandy with some bricks, banks are altered, collected wood debris in the area, rip rap to north along brickyard shoreline. Sandy shoreline 75 feet from shoreline to parking lot, 200 feet wide with boat launch, large amount of brick debris from prior industry

**Plants in area:** All found on shore - duckweed, spatterdock, water chestnut, water celery, milfoil, walnuts, acorns, hickory nuts,

**Water depth:** 0.4 depth

**River Bottom :** sandy

**Water Surface:** Choppy

| <i>ITEM</i>  | <i>Time</i>   | <i>Reading 1</i>             | <i>Reading 2</i>       | <i>Comments</i>         |
|--|---|------------------------------|------------------------|-------------------------|
| <b>Physical</b>  |   |                              |                        |                         |
| Air Temperature  | 10:30 AM<br>11:15 AM<br>12:40 PM  | 56°F<br>58<br>56             | °C                     |                         |
| Wind Speed   | 11:17 AM  | #4 Beaufort                  | N                      |                         |
| Cloud Cover  | 12:50 PM  | Partly cloudy 26-50% cover   |                        |                         |
| Weather today  | Clouds and wind   |                              |                        |                         |
| Weather recently   | Rain two days prior   |                              |                        |                         |
| <b>Turbidity – long site tube</b>                              | 45 cm   |                              |                        |                         |
| <b>Water Temperature</b>                                       | Time<br>10:45 AM  | Temperature<br>20 °C         | Temperature            | Average                 |
| <b>Chemical</b>  |   |                              |                        |                         |
| DO<br><i>Test tabs</i>   | NR  |                              | C                      |                         |
| pH – test strips   | 11:15 AM  | 6.5                          |                        |                         |
| Salinity - Quantab   | 1:15 PM   | 1.005 - 1.4<br>quantab units | 32 ppm Cl-             | 58 ppm Total Salinity   |
| <b>Fish Catch</b><br>30'seine X 4 ft.<br>with bag – 20 ft haul | <b>Number Caught- 15</b>  | <b>Species - 2</b>           | <b>Largest Size</b>    |                         |
| 10:15 AM to 12:15 PM   | 38  | Spottail Shiner              | 5 cm                   |                         |
|  | 18  | Striped Bass                 | 8 cm                   |                         |
|  | 154   | Herring                      | 10 cm                  |                         |
|  | 5   | Banded Killifish             | 5 cm                   |                         |
| <b>DIVERSITY</b>   | <b>4</b>  | <b>TOTAL CATCH</b>           | <b>215</b>             |                         |
| <b>Tides</b>   |   |                              |                        |                         |
| <b>Currents</b>  | 10:30 AM<br>11:00 AM<br>12:30 AM  | ebb<br>Ebb<br>ebb            |                        |                         |
| <b>Core Sample</b><br><i>In 2 ft. water</i>                    | <b>Description</b><br>15 cm   | <b>Rare</b><br>Coal          | <b>Common</b><br>Brick | <b>Abundant</b><br>Sand |
| <b>Traffic – Recreational</b>                                  | 12:40 PM  |                              | White                  | North                   |
| <b>Other Items</b>   | 10:30 AM Ring Billed Gulls (35)<br>12:30 3 swans  |                              |                        |                         |
|  | Zebra mussel shells<br>1/3 of beach had broken brick parts<br>½ had water chestnut seeds<br>few broken shells |                              |                        |                         |