

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE East River 1 West**  
**Dan Tainow, Lower East Side Ecology Center**  
**Michael Paoli, Ella Baker School**  
**7th-8th grade, 23 students, 3 adults**



**Location:** Beach under the Brooklyn Bridge, 125 ft. North of Dover St., Manhattan side  
**Area:** Pier and path for recreational walking, jogging, bike riding and fishing. The surrounding land is sandy with water – beach like. Water best used for fishing & boating. Lots of rocks and sand. Beach is opened to the public but no swimming. Also near a parking lot.

**Approaching the site:**

**Surrounding Land Use:** Urban/residential 20%; Forested 15%; Industrial/Commercial 10%; Beach 20%; other 35%

**Sampling Site:** Sandy, Beach, covered in vegetation, banks altered, bulkhead with timbers, RipRap. Piping entering river

**Plants in area:**

**Water depth:**

**River Bottom –**

**Plants:**

| <i>ITEM</i>          | <i>Time</i>                                | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|----------------------|--|------------------|------------------|-----------------|
| <i>Physical</i>      |  |                  |                  |                 |
| Air Temperature      | 9:40 AM                                    | 78°F<br>26°C     |                  |                 |
| Wind Speed           |  |                  |                  |                 |
| Cloud Cover          | overcast                                   | drizzle          |                  |                 |
| Weather last 3 days  | Some rain, fall like weather with sun also |                  |                  |                 |
| <i>Water surface</i> |  |                  |                  |                 |
| <i>Water</i>         | 10:00 AM                                   | 68°F             |                  |                 |

|   |             |                       |                        |                |
|---|-------------|-----------------------|------------------------|----------------|
| <i>Temperature -</i>                      |             | 20°C                  |                        |                |
| <i>Turbidity</i><br><i>Long site tube</i> | 10:10 AM    | 49 cm                 |                        |                |
|   |             |                       |                        |                |
| <i>Chlorophyll</i>                        | 11:00 AM    | 0.1 color chart       |                        |                |
| <i>Chemical</i>                           |             |                       |                        |                |
| DO - tablets                              | 10:00 AM    | 8 ppm                 | 20°C                   | 85% saturation |
| pH – color match kit                      | 10:15 AM    | 7.6                   |                        |                |
| Salinity (Hydrometer)                     | 10:30 AM    | 23 ppt                | 1.017 specific gravity |                |
| <b><i>Fish Data</i></b>                   | <b>Time</b> | <b>Fish Catch</b>     | <b>Totals</b>          |                |
|   |             | Juvenile Striped Bass | 1                      |                |
|   |             | Atlantic Silverside   | 3                      |                |
|   |             | Comb Jellies          | 5                      |                |
| <i>Tides</i>                              | 9 -11 AM    | Flood                 |                        |                |
| <i>Currents</i>                           |             |                       |                        |                |
| <i>Shipping</i>                           | 9:35 AM     | Water taxi            | Yellow                 | Southbound     |
|   | 9:40 AM     | East River Ferry      | White                  | Southbound     |
|   |             |                       |                        |                |