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

**(Saltfront ~RM 83)**

**RIVER MILE 57**

**Donahue Memorial Park, Cornwall Landing, Village of Cornwall-On-Hudson, Town of Cornwall, Orange County, NY**

**Christopher O’Sullivan, NYSOPRHP Trailside Museums & Zoo**

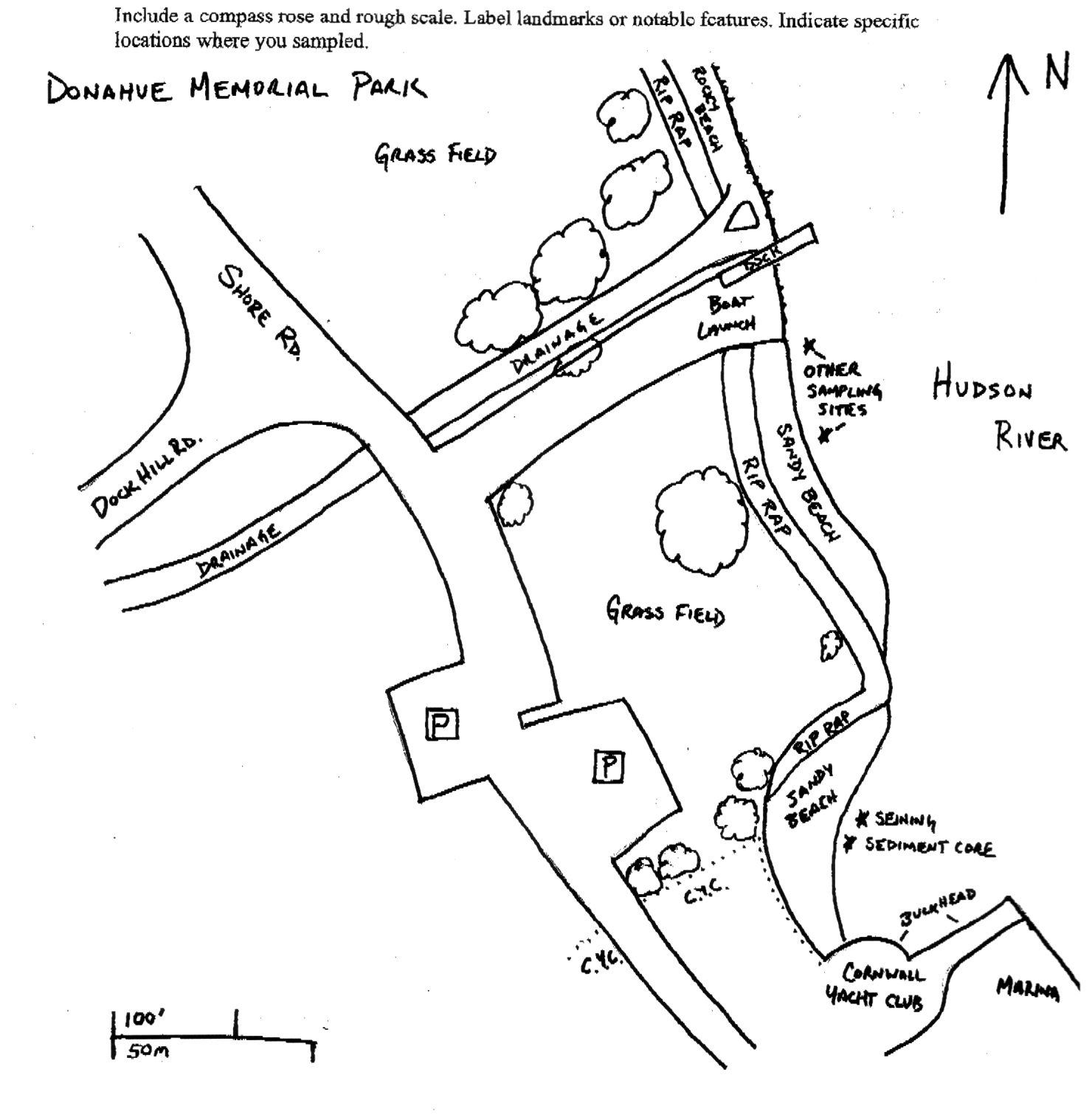
**Deborah Gilson and teacher team @ Willow Ave. Elementary -**

**Mary Lynne Malone, Orange County**

**Tom Lake, DEC HREP**

**4th grade – 75 – 4th grade students, 13 adults**

**GPS Latitude 41°26’36”N Longitude 74°0’1”W**



**Location:** Donahue Memorial Park

**Area:** Sandy beach used for seining & sediment core, 2nd beach are for other sampling.

**Surrounding Land Use:** 100% open and grassy park

**Sampling Site:** pier**,** sandy beach, altered banks, shoreline riprap, bulkhead, collected wood & debris in area,

**Plants in area:** NR

**Water depth**: NR

**River Bottom** – muddy, rocky

**Observations –** Rocky, algae in sampling area and sampled in sunlight

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | ***Comments*** | | |
| ***Physical*** |  | |  |  |  | | |
| Air Temperature |  | | °C |  |  | | |
| Wind Speed |  | |  |  |  | | |
| Cloud Cover |  | |  |  |  | | |
| Weather today |  | | | | | | |
| Weather recently |  | | | | | | |
| ***Water Temperature*** | Tom | 19°C  °C | | 66°F | | |  |
| ***Water Surface*** | NR |  | |  | |  | |
| ***Turbidity***  *Long sight tube* |  |  | |  | |  | |
| ***Chemical*** |  |  | |  | |  | |
| DO  Drop count kit | NR |  | |  | |  | |
| pH (indicator sol.) |  |  | |  | |  | |
| Salinity - | Tom | 4.0 ppt | |  | |  | |
| ***Fish Catch*** | ***Number Caught*** | ***Species*** | | ***Size*** | | ***Comment*** | |
| **(Yoy) = young of yer** | 15 | Striped Bass (yoy) | | 77-86 mm | | **DIV 5**  **TOTAL 61** | |
| **(a) - adult** | 15 | American shad (yoy) | | 94-98 mm | |  | |
|  | 18 | Spottail shiner (a) | |  | |  | |
|  | 4 | Banded killifish (a) | |  | |  | |
|  | 9 | White perch (a) | |  | |  | |
| ***Tides*** | TIME | RISING/  FALLING | | HEIGHT IN CM | | RATE OF CHANGE | |
|  |  |  | |  | |  | |
|  |  |  | |  | |  | |
| ***Currents*** |  |  | |  | |  | |
| ***Boat*** |  |  | |  | |  | |
| ***Other Observations*** |  |  | |  | |  | |