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

**RIVER MILE 57**

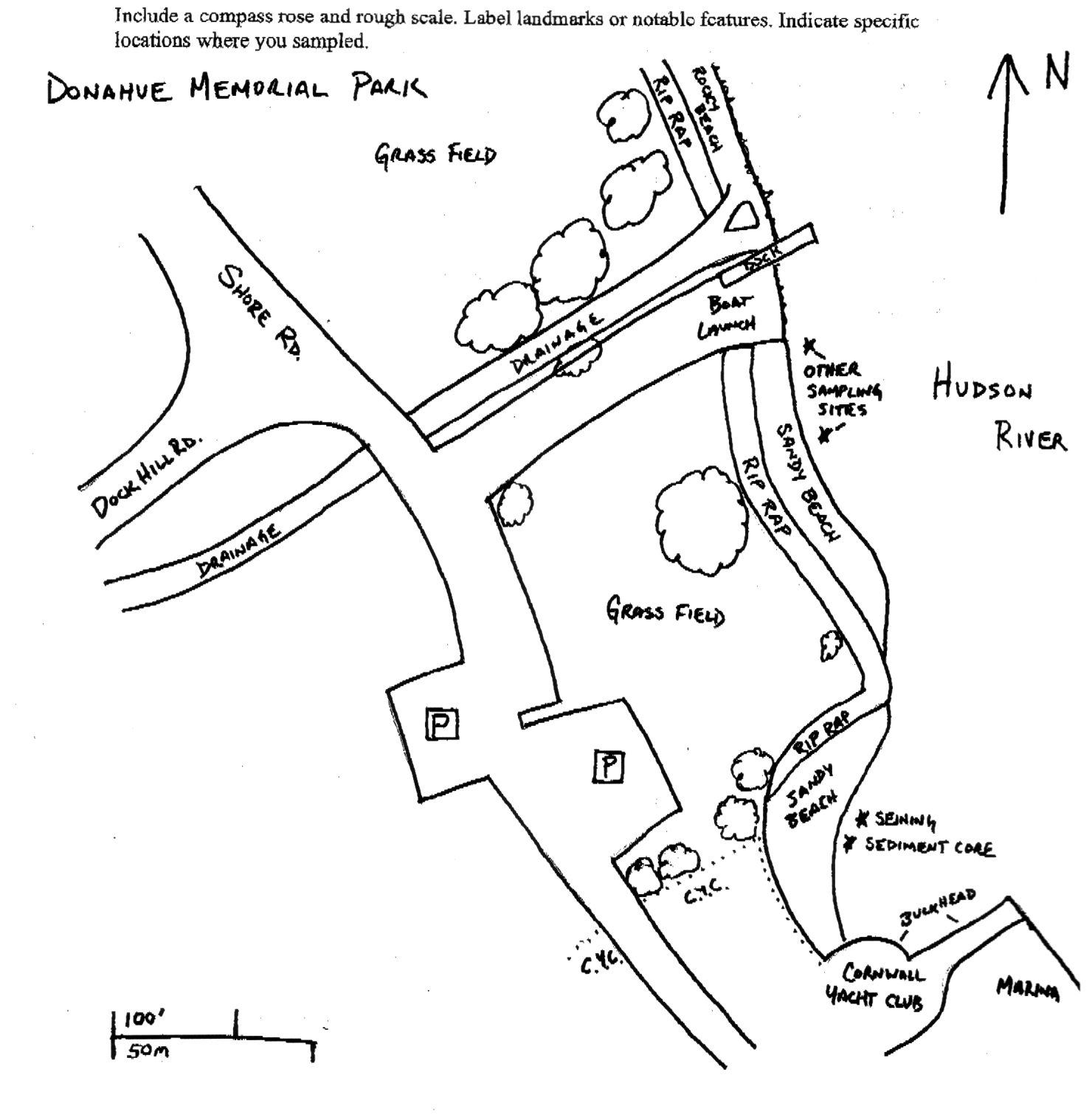
**Donahue Memorial Park, Cornwall Landing, Village of Cornwall-On-Hudson, Town of Cornwall, Orange County, NY**

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

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

**4th grade – 75 – students, 14 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 | 10:46 AM | | 26°C |  |  | | |
| Wind Speed | 9:30 AM | | #3 Beaufort | 7-10 km  8-12 kts | NW | | |
| Cloud Cover | Partly cloudy | | (26-50%) |  |  | | |
| Weather today | Gentle breeze | | | | | | |
| Weather recently | Some snow and cold | | | | | | |
| ***Water Temperature*** | 9:56 AM  10:03 AM (students) | 12°C  12°C | |  | | |  |
| ***Water Surface*** | NR |  | |  | |  | |
| ***Turbidity***  *Long sight tube* | 12:23 PM | 14 cm  17  12 | |  | | Average 14.3 cm | |
| ***Chlorophyll*** | 12:15 PM | 1.0 | |  | |  | |
| ***Chemical*** |  |  | |  | |  | |
| DO  Drop count kit | NR |  | |  | |  | |
| pH (indicator sol.) | 10:04 AM | 7.0 | |  | |  | |
| Salinity - | 10:07 AM | Salinity 348 mg/L Cl- | | 629 mg/L total salinity | |  | |
| ***Fish Catch*** | ***Number Caught*** | ***Species*** | | ***Size*** | | ***Comment*** | |
| **Total Catch** |  |  | |  | |  | |
| ***Tides*** | TIME | RISING/  FALLING | | HEIGHT IN CM | | RATE OF CHANGE | |
|  | 11:55 AM | Falling | | -10 cm | |  | |
|  | 1:00 PM |  | |  | |  | |
| ***Currents*** | 12:00 PM |  | |  | | Flood | |
| ***Boat*** |  |  | |  | |  | |
| ***Other Observations*** |  |  | |  | |  | |