

# Data Sheets Oyster Pond Salinity/Dissolved Oxygen Study

Date 9/30/2009

Time 8:30 AM

Temp mid 50s

Weather cloudy, calm, overcast

Notes Large rainstorm (1.4 inches), high winds 3 days before

|  | Depth         | Temp C | us/cm   | Salinity ppt | mg/L | DO%  | Comments |
|--|---------------|--------|---------|--------------|------|------|----------|
| <b>Ransom Rd. Dock</b>                       |               |        |         |              |      |      |          |
|  | .5 ft         | 18.9   | 1705    | 0.9          | 4.42 | 48.7 |          |
|  | bottom        | 19     | 1769    | 0.9          | 3.76 | 49.5 |          |
| Height of Pond (bottom) 20.5"                |               |        |         |              |      |      |          |
| <b>Mosquito Creek</b> nutrient sampling only |               |        |         |              |      |      |          |
| <b>Treetop Dock</b>                          |               |        |         |              |      |      |          |
|  | 0.5 ft        | 18.8   | 1775    | 0.9          | 5.93 | 58.4 |          |
|  | 2 ft          | 18.9   | 1771    | 0.9          | 3.3  | 35.7 |          |
| Sechi Disk                                   | 2' 1" bottom  |        |         |              |      |      |          |
| <b>OP1</b>                                   |               |        |         |              |      |      |          |
|  | 0.5 ft        | 19.1   | 1809    | 0.9          | 6.37 | 69.8 |          |
|  | 1m            | 19.1   | 1810    | 0.9          | 6.37 | 67.5 |          |
|  | 2m            | 19.1   | 1810    | 0.9          | 6.72 | 66.7 |          |
|  | 3m            | 19.1   | 1813    | 0.9          | 6.65 | 69.2 |          |
|  | 3.5m (bottom) | 18.8   | 1791    | 0.9          | 4.8  | 52.2 |          |
| Sechi Disk                                   | 5'2"          |        |         |              |      |      |          |
| <b>OP2</b>                                   |               |        |         |              |      |      |          |
|  | 0.5 ft        | 19.1   | 1898    | 1            | 7.13 | 79.6 |          |
|  | 1m            | 19.1   | 1899    | 1            | 7.23 | 80   |          |
|  | 2m            | 19     | 1902    | 1            | 7.16 | 75.2 |          |
|  | 3m            | 18.9   | 1903    | 1            | 7.57 | 80.9 |          |
|  | 4m            | 18.9   | 1905    | 1            | 4.07 | 38.2 |          |
| Sechi Disk                                   | 4'5"          |        |         |              |      |      |          |
| <b>OP3</b>                                   |               |        |         |              |      |      |          |
|  | 0.5 ft        | 18.9   | 1914    | 1            | 6.46 | 72.9 |          |
|  | 1m            | 18.9   | 1916    | 1            | 7.22 | 75.4 |          |
|  | 2m            | 18.9   | 1915    | 1            | 6.86 | 74.2 |          |
|  | 3m            | 18.9   | 1920    | 1            | 6.66 | 69.2 |          |
|  | 4m            | 18.9   | 1921    | 1            | 6.13 | 70.6 |          |
|  | 5m            | 18.9   | 1921    | 1            | 6.65 | 69.3 |          |
|  | 6m            | 18.4   | 8.15 ms | 5.3          | 0.05 | 0.5  |          |
| Sechi Disk                                   | 4'5"          |        |         |              |      |      |          |
| <b>Weir</b>                                  |               |        |         |              |      |      |          |
| North  | Top           | 18.4   | 1896    | 1            | 5.74 | 62.3 |          |
|  | Bottom        | 18.4   | 1895    | 1            | 6.6  | 66.3 |          |
| South  | Top           | 18.4   | 1899    | 1            | 5.65 | 57.3 |          |
|  | Bottom        | 18.4   | 1899    | 1            | 5.45 | 57.2 |          |
| <b>Lagoon</b>                                |               |        |         |              |      |      |          |
| Top  |               | 17.4   | 2791    | 1.5          | 3.89 | 40.8 |          |
| Bottom                                       |               | 17.8   | 2734    | 1.4          | 3.92 | 38.4 |          |

Sunday Storm appears to have mixed the pond

Flow good