# Supplementary Material



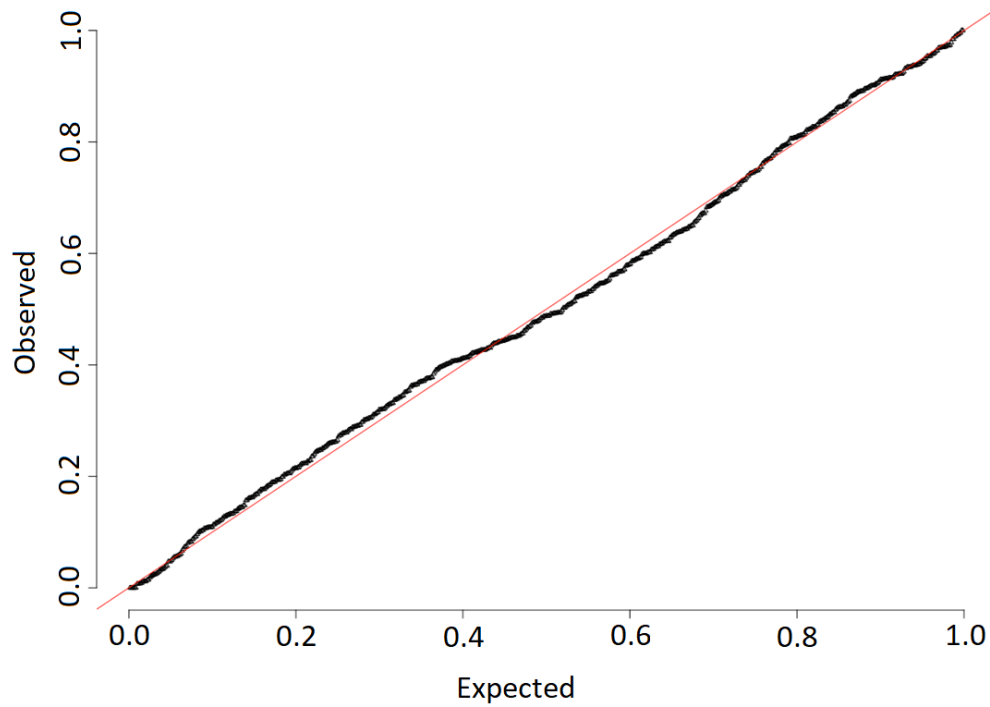**Figure S1.** Graph comparing expected vs observed residuals for the regression equation: *TD-700 Chl-a = 1.7962 + (0.5897 x FluoroSense reading) + (0.1862 x Turbidity).* The 1:1 line is red, and residuals appear as separate points along this line.

**Table S1.** Summary of ANOVA results testing differences between TD-700 and FlouroSense probe *chl-a* concentration readings with algal concentration, turbidity, the interaction between concentration and turbidity (Concentration * Turbidity), lake identity (different algal assemblages), and light vs dark treatment (Lumen) parameters. F values and *p* values are listed. Bold indicates significant *p* values with *alpha* < 0.05.

| Parameter | F Value | *p* Value |
|---|---|---|
| Concentration | 17094.15 | **< 0.001** |
| Turbidity | 1509.37 | **< 0.001** |
| Concentration * Turbidity | 397.36 | **< 0.001** |
| Lake Identity | 45.78 | **< 0.001** |
| Lumen | 2.77 | 0.097 |