**S3 Table. Selected water chemistry variables for study ponds.** Included are the high-impact pond on East Brother Island (EB) and the low-impact pond on False Duck Island (FD1) from samples taken on May 28th 2012. Samples were also collected from the no-impact pond on Main Duck Island (MD2) on September 11th 2013. Major ions concentrations are given as unfiltered values for EB and FD1, and as filtered values for MD2. Only field measures of pH and specific conductivity (µS/cm) were collected from the high-impact pond on Pigeon Island (PGN) on June 16th 2011. Acronyms are as follows: dissolved organic carbon (DOC), dissolved inorganic carbon (DIC), particulate organic carbon (POC), particulate organic nitrogen (PON), total nitrogen (TN), and total phosphorus (TP).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **EB** | **PGN** | **FD1** | **MD2** |
| (Impact Level) | (High) | (High) | (Low) | (None) |
| Ca2+ (mg/L) | 95.7 |  | 81.7 | 48 |
| Mg2+ (mg/L) | 10.4 |  | 3.68 | 2.45 |
| K+ (mg/L) | 43.1 |  | 3.77 | 0.39 |
| Na+ (mg/L) | 18.4 |  | 4.95 | 1.32 |
| Cl- (mg/L) | 24.9 |  | 7.01 | 3.52 |
| SO42- (mg/L) | 51.9 |  | 9.86 | 1.73 |
| pH | 7.6 | 7.0 | 7.3 | 7.6 |
| Specific Conductivity (µS/cm) | 800 | 1650 | 433 | 252 |
| DOC (mg/L) | 19.1 |  | 26.1 | 17.6 |
| DIC (mg/L) | 60.3 |  | 47.3 | 24.3 |
| POC (mg/L) | 1.33 |  | 21.5 | 2.98 |
| PON (mg/L) | 0.203 |  | 3.86 | 0.465 |
| TN unfiltered (mg/L) | 8.79 |  | 7.5 | 1.46 |
| TP unfiltered (µg/L) | 3500 |  | 542 | 86.8 |