**Table S1:**

**Phytoplankton morphospecies/taxa and their cell shape and mean cell biovolume.**

Taxa are listed in descending order of dominance defined by mean biovolume across all samples.

|  |  |  |  |
| --- | --- | --- | --- |
| **Morphospecies/taxon** | **Shape** | **Mean cell biovolume (μm3)** | **Group** |
| small ovoid chlorophyte | spheroid | 10.5 | small |
| large ovoid chlorophyte | spheroid | 70.9 | large |
| *Oocystis* | spheroid | 75.1  | large |
| pennate diatom | pennate (rectangular prism tapering to points at each end) | 56.7  | large |
| green picoplankton | sphere  | 2.11 | small |
| green round (*Chlorella*) | sphere  | 4.95 | small |
| *Selenastrum* | curved cylinder ending in 2 half-spheres | 11.1 | small |