20180802\_mashapaug\_pond

Bryan Milstead

03 August 2018

## Field Notes

* Who: Stephen Shivers and Bryan
* Where: Warwick Pond
* When: August 2, 2018
* How: 3 m vertical tow with a 50 μm plankton net. Sample stored cold overnight then viewed with a inverted microscope.
* General Comments: The lake has a nasty bloom. Hot and muggy day. The algae torch indicated a total chlorophyll around 50 μg / l of which almost all was attributed to cyanobacteria.
* Qualitative phytoplankton assessment - relative abundance assessed visually on a 1 - 5 scale with 1 being low abundance (rare). We found the following taxa:

|  |  |  |
| --- | --- | --- |
| Taxon | Abundance | link |
| *Dolichospermum* linear form | 5 | <https://www.inaturalist.org/observations/15084161> |
| *Dolichospermum* curly form | 3 | <https://www.inaturalist.org/observations/15084511> |
| *Microcystis wesenbergii* | 4 | <https://www.inaturalist.org/observations/15084623> |
| *Microcystis aeruginosa* | 3 | <https://www.inaturalist.org/observations/15084623> |
| *Aphanizomenon flosaquae* | 2 | <https://www.inaturalist.org/observations/15085005> |
| *Woronichinia* | 5 | <https://www.inaturalist.org/observations/15085150> |
| *Pediastrum* | 1 | <https://www.inaturalist.org/observations/15085225> |
| *Fragilaria* | 1 | <https://www.inaturalist.org/observations/15085245> |
| *Ceratium* | 1 | <https://www.inaturalist.org/observations/15085266> |