

Phytoplankton Sample Analysis

Sample: Lake name
Sample Site: Site 1
Sample Depth: 1
Sample Date: 21-Aug-17 1045

Total Density (#/mL): 1,987
Total Biovolume (um³/mL): 2,591,210
Trophic State Index: 56.7

Species	Density #/mL	Density Percent	Biovolume um³/mL	Biovolume Percent	Group
1 Achnanthes recurvata	465	23.4	37,225	1.4	diatom
2 Anabaena planctonica	251	12.6	1,283,847	49.5	bluegreen
3 Synedra radians	233	11.7	83,757	3.2	diatom
4 Aphanizomenon flos-aquae	233	11.7	263,835	10.2	bluegreen
5 Cyclotella stelligera	215	10.8	11,812	0.5	diatom
6 Microcystis aeruginosa	143	7.2	11,454	0.4	bluegreen
7 Tabellaria fenestrata	72	3.6	721,600	27.8	diatom
8 Cryptomonas erosa	72	3.6	37,225	1.4	cryptophyte
9 Anabaena circinalis	54	2.7	87,677	3.4	bluegreen
10 Asterionella formosa	36	1.8	35,436	1.4	diatom
11 Rhodomonas minuta	36	1.8	716	0.0	cryptophyte
12 Achnanthes minutissima	36	1.8	1,790	0.1	diatom
13 Synedra rumpens	36	1.8	5,011	0.2	diatom
14 Rhizosolenia eriensis	36	1.8	3,400	0.1	chrysophyte
15 Oocystis pusilla	18	0.9	3,866	0.1	green
16 Ankistrodesmus falcatus	18	0.9	447	0.0	green
17 Nitzschia paleacea	18	0.9	1,754	0.1	diatom
18 Selenastrum minutum	18	0.9	358	0.0	green

Anabaena planctonica cells/mL = 7,016

Aphanizomenon flos-aquae cells/mL = 4,188

Microcystis aeruginosa cells/mL = 1,432

Anabaena circinalis cells/mL = 1,235

Aquatic Analysts

Sample ID: BC16