

## Phytoplankton Sample Analysis

Sample: KRK-B  
Sample Site:  
Sample Depth:  
Sample Date: 18-Jun-09

Total Density (#/mL): 170,736  
Total Biovolume ( $\mu\text{m}^3/\text{mL}$ ): 542,927,491  
Trophic State Index: 95.3

Species	Density #/mL	Density Percent	Biovolume $\mu\text{m}^3/\text{mL}$
1 Anabaena flos-aquae	161,071	94.3	539,589,286
2 Gomphonema angustatum	2,416	1.4	434,893
3 Nitzschia frustulum	1,611	0.9	289,929
4 Epithemia sorex	805	0.5	918,107
5 Cyclotella meneghiniana	805	0.5	306,036
6 Diploneis elliptica	805	0.5	209,393
7 Cocconeis placentula	805	0.5	370,464
8 Rhoicosphenia curvata	805	0.5	94,227
9 Gomphonema subclavatum	805	0.5	483,214
10 Fragilaria vaucheriae	805	0.5	231,943

Anabaena flos-aquae cells/mL = 8,053,571  
Anabaena flos-aquae heterocysts/mL = 375,296  
Anabaena flos-aquae akinetes/mL = 86,173

Note: Anabaena filaments were broken up. I assumed 50 cells per colony for counting.  
Although the number of colonies per mL could not be accurately determined,  
the cells/mL estimate is accurate.

Aquatic Analysts

Sample ID:

**Biovolume  
Percent**

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99.4
0.1
0.1
0.2
0.1
0.0
0.1
0.0
0.1
0.0