

Phytoplankton Sample Analysis

Sample: Klamath Basin
Sample Site: KR 9062 IRCC
Sample Depth:
Sample Date: 8-Jun-09

Total Density (#/mL): 310
Total Biovolume (um³/mL): 264,604
Trophic State Index: 40.3

| Species | Density #/mL | Density Percent | Biovolume um ³ /mL | Biovolume Percent |
|----------------------------------|-----------------|--------------------|----------------------------------|----------------------|
| 1 Fragilaria vaucheriae | 50 | 16.2 | 17,318 | 6.5 |
| 2 Anabaena flos-aquae | 50 | 16.2 | 83,936 | 31.7 |
| 3 Melosira granulata | 32 | 10.3 | 106,987 | 40.4 |
| 4 Stephanodiscus hantzschii | 23 | 7.4 | 2,733 | 1.0 |
| 5 Cryptomonas erosa | 18 | 5.9 | 9,476 | 3.6 |
| 6 Ankistrodesmus falcatus | 18 | 5.9 | 456 | 0.2 |
| 7 Fragilaria construens | 14 | 4.4 | 6,123 | 2.3 |
| 8 Nitzschia amphibia | 14 | 4.4 | 1,312 | 0.5 |
| 9 Fragilaria construens venter | 14 | 4.4 | 1,509 | 0.6 |
| 10 Nitzschia paleacea | 9 | 2.9 | 893 | 0.3 |
| 11 Cocconeis placentula | 9 | 2.9 | 4,191 | 1.6 |
| 12 Rhodomonas minuta | 9 | 2.9 | 182 | 0.1 |
| 13 Fragilaria capucina mesolepta | 9 | 2.9 | 5,808 | 2.2 |
| 14 Nitzschia linearis | 5 | 1.5 | 6,943 | 2.6 |
| 15 Navicula capitata | 5 | 1.5 | 2,187 | 0.8 |
| 16 Cyclotella stelligera | 5 | 1.5 | 251 | 0.1 |
| 17 Nitzschia frustulum | 5 | 1.5 | 547 | 0.2 |
| 18 Synedra ulna | 5 | 1.5 | 9,066 | 3.4 |
| 19 Gomphonema angustatum | 5 | 1.5 | 820 | 0.3 |
| 20 Asterionella formosa | 5 | 1.5 | 1,002 | 0.4 |
| 21 Nitzschia dissipata | 5 | 1.5 | 1,225 | 0.5 |
| 22 Navicula anglica | 5 | 1.5 | 1,640 | 0.6 |

Anabaena flos-aquae cells/mL = 1,253
 Anabaena flos-aquae heterocysts/mL = 59