

Phytoplankton Sample Analysis

Sample: Klamath Basin
Sample Site: KR 9063 KRBI
Sample Depth:
Sample Date: 8-Jun-09

Total Density (#/mL): 1,659
Total Biovolume (um³/mL): 1,801,949
Trophic State Index: 54.1

Species	Density #/mL	Density Percent	Biovolume um ³ /mL	Biovolume Percent
1 Fragilaria construens	327	19.7	549,043	30.5
2 Melosira granulata	212	12.8	572,492	31.8
3 Nitzschia frustulum	180	10.8	25,883	1.4
4 Achnanthes lanceolata	114	6.9	20,589	1.1
5 Cryptomonas erosa	98	5.9	50,983	2.8
6 Diatoma vulgare	98	5.9	230,598	12.8
7 Melosira varians	82	4.9	159,321	8.8
8 Rhoicosphenia curvata	65	3.9	7,647	0.4
9 Asterionella formosa	65	3.9	14,380	0.8
10 Cocconeis placentula	65	3.9	30,067	1.7
11 Nitzschia amphibia	49	3.0	4,706	0.3
12 Ankistrodesmus falcatus	49	3.0	1,226	0.1
13 Fragilaria vaucheriae	33	2.0	9,412	0.5
14 Rhodomonas minuta	16	1.0	327	0.0
15 Nitzschia paleacea	16	1.0	1,601	0.1
16 Synedra mazamaensis	16	1.0	4,183	0.2
17 Nitzschia linearis	16	1.0	24,903	1.4
18 Scenedesmus acuminatus	16	1.0	7,843	0.4
19 Pinnularia sp.	16	1.0	6,536	0.4
20 Stephanodiscus hantzschii	16	1.0	1,961	0.1
21 Nitzschia innominata	16	1.0	784	0.0
22 Fragilaria capucina mesolepta	16	1.0	12,501	0.7
23 Synedra ulna	16	1.0	32,518	1.8
24 Cocconeis klamathensis	16	1.0	4,575	0.3
25 Mallomonas sp.	16	1.0	6,209	0.3
26 Aphanizomenon flos-aquae	16	1.0	12,353	0.7
27 Anabaena flos-aquae	8	0.5	9,306	0.5

Anabaena flos-aquae cells/mL = 139
 Anabaena flos-aquae heterocysts/mL = 5

Aphanizomenon flos-aquae cells/mL = 196
 Aphanizomenon flos-aquae heterocysts/mL = 11