

Genera Density	Summer 2002				Fall 2002			
	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density
Achnanthes	0	0	63.986	0	0	0	9.844	9.844
Actinastrum	0	0	0	0	0	0	9.844	0
Anabaena	0	0	0	0	0	0	0	0
Anabaenopsis	0	0	0	0	0	0	0	0
Ankistrodesmus	683.61111	73.83	103.362	14.766	172.27	452.824	556.186	378.994
Aphanizomenon	2.33175	0	5.052125	0	0	0.77725	0.388625	0
Aphanocapsa	11265.911	147.66	142.738	0	748.144	88.596	167.348	137.816
Aulacoseira	0	0	0	0	0.777	0.3885	0	0
Carteria	0	152.582	0	0	0	0	0	0
Ceratium	0	0	0	0	0	0	0	0
Chamaesiphon	0	0	0	0	0	0	0	0
Chlamydomonas	191.41111	0	88.596	664.47	93.518	152.582	206.724	280.554
Chlorangium	0	0	0	0	0	0	0	0
Chlorella	136.72222	152.582	54.142	93.518	123.05	29.532	63.986	78.752
Chlorogonium	0	0	0	0	0	0	0	0
Chroococcus	7437.6889	1289.564	556.186	669.392	620.172	378.994	98.44	246.1
Closteriopsis	0	0	0	0	0	4.922	0	0
Closterium	0	0.58275	0	0	0	0	0	0
Coccomonas	0	0	0	0	0	0	0	0
Cocconeis	0	0	0	0	0	0	0	0
Coelastrum	0	0	0	0	0	0	0	0
Cosmarium	0	0.3885	0	0	0	0	0	0
Crucigenia	1421.9111	201.802	39.376	236.256	187.036	39.376	39.376	88.596
Cryptomonas	54.688889	34.454	127.972	403.604	34.454	93.518	68.908	0
Cyclotella	601.57778	123.05	63.986	113.206	98.44	157.504	118.128	98.44
Cylindrospermum	0	0	0	0	0	0	0	0
Cymatopleura	0	0	0	0	0	0	0	0
Cymbella	0	19.688	0	0	4.922	9.844	4.922	19.688
Dactylococcopsis	82.033333	0	0	9.844	0	9.844	0	0
Dictyosphaerium	0	0	0	0	78.752	0	0	39.376
Dinobryon	27.344444	0	0	0	0	0	0	0
Eudorina	0	0	0.3885	0.3885	0	0	0	0
Euglena	0	0.19425	0	3.30225	0	0	0	0.3885
Fragilaria	0	0	103.362	0	0	0	0	0

	(summer 2002 cont'd)				(fall 2002 cont'd)			
Gloeocystis	0	0	0	0	0	0	0	0
Golinkinia	0	0	0	0	0	0	0	0
Gomphonema	0	0	0	0	0	0	0	0
Gomphosphaeria	0	78.752	0	0	0	0	0	0
Gonium	1.1655	0	0	0	0	0	0	0
Gyrosigma	0	0	24.61	0	0	0	0	0
Kirchneriella	546.88889	49.22	9.844	19.688	39.376	29.532	73.83	19.688
Lagerheimia	0	0	0	0	4.922	0	0	4.922
Large flagellates	437.51111	9.844	49.22	118.128	24.61	39.376	49.22	34.454
Mallomonas	82.033333	29.532	39.376	24.61	0	0	0	0
Meridion	0	0	0	0	0	0	0	0
Merismopedia	1503.9444	187.036	0	0	0	0	275.632	0
Micractinium	109.37778	0	0	0	0	0	0	0
Microcystis	0	0	0	0	0	0	0.77725	0
Monoraphidium	0	4.922	9.844	0	4.922	14.766	9.844	4.922
Mougeotia	2.13675	0.3885	0	0	0	0	0	0
Navicula	0	39.376	142.738	14.766	29.532	19.688	9.844	14.766
Nitzschia	300.78889	118.128	462.668	54.142	329.774	575.874	561.108	733.378
Oocystis	0	29.532	9.844	78.752	4.922	0	59.064	127.972
"Oscillatoria"	50.132625	7.7725	3.109	0	3.109	1.5545	8.161125	0.77725
Pandorina	0	0	0	0.58275	0	0	0	0
Pediastrum	0	0	0.19425	0.3885	0	0	0	0
Peridinium	0	0	0	0.19425	0	0	0	0
Phacus	2.331	0.3885	0	0.19425	0	0	0	0
Planktolyngbya	8.938375	1.165875	0	0	43.526	33.42175	56.73925	8.54975
Raphidiopsis	2.33175	0	0	0	0	0	0	0
Rhabdoderma	0	0	0	0	0	0	0	0
Rhizosolenia	136.72222	0	0	0	0	0	0	0
Rhodomonas	136.72222	24.61	19.688	19.688	516.81	802.286	925.336	1210.812
Scenedesmus	1339.8778	78.752	236.256	49.22	9.844	54.142	63.986	49.22
Schroederia	27.344444	0	0	4.922	0	0	0	0
Selenastrum	902.36667	428.214	78.752	118.128	29.532	39.376	24.61	24.61
Small flagellates	1093.7778	226.412	383.916	201.802	566.03	310.086	359.306	526.654
Sphaerellopsis	0	0	0	0	0	0	0	0
Sphaerocystis	246.1	0	0	0	0	0	0	0
Spirulina	0.388625	0	0	0	0	0	1.943125	0

Genera Density	Winter 2003				Spring 2003			
	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density
Achnanthes	0	0	0	0	9.844	0	0	0
Actinastrum	0	0	0	0	0	0	0	0
Anabaena	0.388625	0	0	0.388625	0	0	0	0
Anabaenopsis	0	0	0	0	0	0	0	0
Ankistrodesmus	174.32083	73.83	113.07297	140.62857	98.44	334.696	59.064	132.894
Aphanizomenon	0.388625	0	0	0	0	0	0	0
Aphanocapsa	0	418.37	0	0	162.426	0	1151.748	989.322
Aulacoseira	0.58275	0.19425	0.19425	0	0.19425	0.3885	0.19425	0.19425
Carteria	0	0	0	0	0	0	0	0
Ceratium	0	0	0	0	0	0	0	0
Chamaesiphon	0	0	0	0	0	0	0	0
Chlamydomonas	256.35417	166.1175	266.05405	175.78571	54.142	142.738	29.532	772.754
Chlorangium	0	0	0	0	0	0	0	44.298
Chlorella	1127.9583	36.915	685.08919	307.625	49.22	152.582	196.88	300.242
Chlorogonium	0	0	0	0	0	4.922	4.922	9.844
Chroococcus	1958.5458	2510.22	2068.5703	3594.8179	1009.01	1072.996	231.334	1481.522
Closteriopsis	0	0	0	0	0	0	4.922	0
Closterium	0	0	0.3885	0	0	0	0	0
Coccomonas	0	0	0	0	0	9.844	9.844	0
Cocconeis	0	0	6.6513514	0	14.766	4.922	0	0
Coelastrum	0	0	0	0	98.44	196.88	570.952	757.988
Cosmarium	0	0	0	0	0	0	0	0
Crucigenia	184.575	24.61	0	0	137.816	703.846	698.924	649.704
Cryptomonas	215.3375	203.0325	186.23784	79.103571	132.894	187.036	462.668	753.066
Cyclotella	4255.4792	1987.2575	2713.7514	1239.2893	113.206	787.52	329.774	787.52
Cylindrospermum	0	0	0	0	0	0	0	0
Cymatopleura	0	0	0	0	0	0	24.61	0
Cymbella	0	18.4575	13.302703	0	14.766	9.844	0	4.922
Dactylococcopsis	10.254167	6.1525	13.302703	8.7892857	0	4.922	0	0
Dictyosphaerium	0	0	0	0	0	108.284	68.908	580.796
Dinobryon	0	0	0	0	0	0	0	0
Eudorina	0	0	0	0	0	0	0	0
Euglena	0	0	0	0.19425	0.3885	1.1655	0.19425	2.13675
Fragilaria	0	0	0	0	0.19425	0	0	0

	(winter 2003 cont'd)				(spring 2003 cont'd)			
Spondylosium	0	0	0	0	0	0	0	0
Staurastrum	0	0	0	0	0	0	0	0
Stephanodiscus	266.60833	215.3375	332.56757	175.78571	39.376	851.506	19.688	182.114
Synedra	0	18.4575	33.256757	8.7892857	0	0	0	0
Synura	0	215.3375	0	0	0	0	0	0
Tetraedron	0	0	0	0	9.844	9.844	49.22	59.064
Tetraselmis	0	0	0	0	4.922	4.922	59.064	29.532
Tetrastrum	0	67.6775	26.605405	35.157143	98.44	44.298	0	0
Treubaria	0	0	6.6513514	0	4.922	0	4.922	0

Genera Density	Summer 2003			
	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density
Achnanthes	10.254167	14.766	73.83	0
Actinastrum	0	0	0	0
Anabaena	1.165875	0	0	0
Anabaenopsis	0.6218	0	0	0
Ankistrodesmus	92.2875	0	19.688	0
Aphanizomenon	3.109	0	0.77725	0
Aphanocapsa	3117.2667	68.908	0	73.83
Aulacoseira	2.13675	0	0.19425	0
Carteria	0	0	0	0
Ceratium	0	0	0	0
Chamaesiphon	0	0	0	0
Chlamydomonas	235.84583	0	4.922	39.376
Chlorangium	0	0	0	0
Chlorella	102.54167	29.532	4.922	0
Chlorogonium	0	0	0	0
Chroococcus	4358.0208	78.752	265.788	349.462
Closteriopsis	0	0	0	0
Closterium	0	0	0	0
Coccomonas	0	0	0	0
Cocconeis	0	0	0	0
Coelastrum	61.525	0	0	0
Cosmarium	0	0	0	0
Crucigenia	728.04583	0	19.688	118.128
Cryptomonas	358.89583	24.61	63.986	433.136
Cyclotella	174.32083	0	49.22	103.362
Cylindrospermum	0	0	0	0
Cymatopleura	0	0	0	0
Cymbella	0	0	0	0
Dactylococcopsis	0	0	0	0
Dictyosphaerium	0	0	0	0
Dinobryon	0	0	0	0
Eudorina	0	0	0	0
Euglena	63.3255	1.35975	0.3885	7.57575
Fragilaria	0	0	0	0

	(summer 2004 cont'd)			
Gloeocystis	0	0	0	0
Golinkinia	0	0	0	0
Gomphonema	0	0	14.766	0
Gomphosphaeria	20.508333	0	0	0
Gonium	0.58275	0	0	0
Gyrosigma	0	0	9.844	0
Kirchneriella	307.625	0	54.142	4.922
Lagerheimia	0	0	0	0
Large flagellates	123.05	9.844	14.766	24.61
Mallomonas	10.254167	4.922	0	78.752
Meridion	0	0	14.766	0
Merismopedia	3691.5	0	0	73.83
Micractinium	0	0	0	0
Microcystis	0	0	0	0
Monoraphidium	0	0	0	0
Mougeotia	0	0	0	0
Navicula	0	0	24.61	0
Nitzschia	92.2875	78.752	674.314	68.908
Oocystis	61.525	9.844	19.688	49.22
"Oscillatoria"	2.33175	0.77725	0	0
Pandorina	0.19425	0	0	0
Pediastrum	2.13675	0.19425	0.19425	0.58275
Peridinium	12.62625	0.97125	0	0
Phacus	6.216	0	0.3885	0.19425
Planktolyngbya	0	2.720375	0	0
Raphidiopsis	0	0	0	0
Rhabdoderma	0	0	0	0
Rhizosolenia	0	0	0	0
Rhodomonas	71.779167	0	9.844	14.766
Scenedesmus	2266.1708	147.66	334.696	531.576
Schroederia	10.254167	0	0	0
Selenastrum	246.1	0	49.22	78.752
Small flagellates	153.8125	39.376	187.036	29.532
Sphaerellopsis	0	0	0	0
Sphaerocystis	0	0	0	0
Spirulina	0	0	0	0

	(summer 2004 cont'd)			
Spondylosium	0	0	0	0
Staurastrum	0	0	0	0
Stephanodiscus	440.92917	0	9.844	39.376
Synedra	0	9.844	0	0
Synura	0	0	0	0
Tetraedron	10.254167	0	0	4.922
Tetraselmis	3137.775	83.674	526.654	14.766
Tetrastrum	0	0	0	0
Treubaria	0	0	0	0

Group Density	Winter 2003				Spring 2003			
	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density
1 - Large non-motile green colonies	451.18333	0	0	0	0	0.19425	1.74825	20.202
2 - Large motile green colonies	0	0	0	0	0	0	0	1.554
3 - Euglenoids	0	0	0	0.19425	0.58275	1.554	0.3885	2.13675
4 - Dinoflagellates	0	0	0	0	5.8275	0.19425	0	0.19425
5 - Large unicellular desmids	0	0	0.3885	0	0	0	0	0
6 - Filamentous centric diatoms	0.58275	0.19425	0.19425	0	0.19425	0.3885	0.19425	0.19425
7 - Microcystis	0	0	0	0	0	0	0.388625	0
8 - Non-heterocystous filamentous cyanobacter	1.165875	2.33175	2.720375	1.943125	1.5545	1.5545	0.388625	0
9 - Heterocystous filamentous cyanobacteria	0.77725	0	0	0.388625	0.388625	0	0	0
10 - Pennate diatoms	440.92917	818.2825	525.45676	43.946429	201.802	177.192	231.334	733.378
11 - Small centric diatoms	4522.0875	2202.595	3046.3189	1415.075	152.582	1639.026	349.462	969.634
12 - Small non-motile greens	2143.1208	412.2175	1104.1243	667.98571	1136.982	2475.766	2652.958	4434.722
13 - Small motile greens	256.35417	166.1175	266.05405	175.78571	59.064	162.426	103.362	812.13
14 - Cryptophytes	461.4375	406.065	372.47568	87.892857	255.944	541.42	546.342	945.024
15 - Small flagellates	717.79167	1187.4325	957.79459	421.88571	305.164	930.258	334.696	221.49
16 - Small coccoid cyanobacteria	1968.8	3143.9275	2088.5243	3603.6071	1594.728	1077.918	1520.898	2564.362
17 - Filamentous greens	0	0	0	0	0	0	0	0
18 - Fragilaria	0	0	0	0	0.19425	0	0	0

Group Density	Summer 2003			
	Reach 1 Density	Reach 2 Density	Reach 3 Density	Reach 4 Density
1 - Large non-motile green colonies	2.13675	0.19425	0.19425	0.58275
2 - Large motile green colonies	0.777	0	0	0
3 - Euglenoids	69.5415	1.35975	0.777	7.77
4 - Dinoflagellates	12.62625	0.97125	0	0
5 - Large unicellular desmids				
6 - Filamentous centric diatoms	2.13675	0	0.19425	0
7 - Microcystis				
8 - Non-heterocystous filamentous cyanobacter	2.33175	3.497625	0	0
9 - Heterocystous filamentous cyanobacteria	4.896675	0	0.77725	0
10 - Pennate diatoms	102.54167	103.362	812.13	68.908
11 - Small centric diatoms	615.25	0	59.064	142.738
12 - Small non-motile greens	3886.3292	187.036	502.044	787.52
13 - Small motile greens	3373.6208	83.674	531.576	54.142
14 - Cryptophytes	430.675	24.61	73.83	447.902
15 - Small flagellates	287.11667	54.142	201.802	132.894
16 - Small coccoid cyanobacteria	11187.296	147.66	265.788	497.122
17 - Filamentous greens	0	0	0	0
18 - Fragilaria	0	0	0	0