Appendix F:
ADF&G Limnology Lab
phytoplankton analyses

1995, 1996

EDIBLE PHYTOS

GENERA	SPECIES	EDIBLE
DIATOMS		
ACHNANTHES		
	A. minutissima	E
ASTERIONELLA	formosa	e
FRAGILARIA		e
	F. crotonensis	
	F. construeus	
SYNEDRA		N
	S. berolinemsis	
	S. acus	
	S. ulna	
	S. nia	
MELOSIRA		e
	M. italica	
TABELLARIA		N
	T. fenestrata	
CYCLOTELLA		E
	C. bodanica	
	C. comta	e
	C. stelligia	
	C. glomerata	
CYMATOPLEURA	elliptica	e
CYMBELLA	Small	e
COCCONEIS		e
	C. placenta	
NITZSCHIA		e
STEPHANODISCUS		N
	S. niagara	
	S. astraea	
	S. hantzchii	
DIATOMA		e
NAVICULA		N
RHIZOSOLENIA		N
MERIDION	circulare	

GENERA	SPECIES	EDIBLE
CHRYSOPHYTES		E+
CHROMULINA		E+
CHRYSOCHROMULINA		E+
CRYPTOMONAS		E+
RHODOMONAS		E+
CHROOMONAS		E+
	C. acuta	E+
DINOBRYON	lorica	E+
	D. cell	E
MALLOMONAS		E
KEPHYRION		E+
OCHROMONAS		E+
UNID.	flagellate 1	E+
UNID.	flagellate 2	E+
CHRYSOSPHAERELLA		E+
CYNOPYTES		
ANACYSTIS	*1*	N
OSCILLATORIA		N
COCCOID		e
POLYCYSTIS		e
LYNGBYA	(blue-gr)	N
OTHERS		
ANKISTRODESMUS		E
COSMARIUM		E
GYMNODINIUM		N
PERIDINIUM		e
	P. aciculiferum	
SCENEDESMUS	Large	E+
SCENEDESMUS	Small	E+
ROYA		
GLEOCYSTIS		
TETRAEDON		
CERATIUM		N
OOCYSTIS	gigas	N
PEDIASTRUM	muticum	N
PSEUDOTERAEDRON		N
QUADRIGULA		e
VOLVOX		N
CRUCIGENIA		E
MICRO ALGAE		E+
	u algae	E+
	u flagellates	E+
	picoplankton	E

KEY

E+ excellent	e tough but edible
E edible	N not edible

1996

1	Bacillariophyte	60	AL	Achnanthes sp2
2	Bacillariophyte	80	AM	Achnanthes sp1
3	Bacillariophyte	100	AV	Asterionella formosa var2
4	Bacillariophyte	200	AX	Asterionella formosa var1
5	Bacillariophyte	50	CP	Cocconeis sp1
6	Bacillariophyte	150	CQ	Cocconeis sp2
7	Bacillariophyte	300	CR	Cocconeis placentula
8	Bacillariophyte	50	CA	Cyclotella atomus
9	Bacillariophyte	500	CZ	Cyclotella comta
10	Bacillariophyte	150	CS	Cyclotella stelligera
11	Bacillariophyte	50	CX	Cyclotella sp1
12	Bacillariophyte	150	CW	Cyclotella sp2
13	Bacillariophyte	100	DE	Diatoma elongatum
14	Bacillariophyte	60	FB	Fragilaria capucina
15	Bacillariophyte	60	FE	Fragilaria construens var1
16	Bacillariophyte	80	FF	Fragilaria construens var2
17	Bacillariophyte	120	FC	Fragilaria crotonensis
18	Bacillariophyte	999	FS	Fragilaria sp.
19	Bacillariophyte	350	MC	Melosira distans
20	Bacillariophyte	250	MJ	Melosira italica
21	Bacillariophyte	999	MR	Melosira sp.
22	Bacillariophyte	200	NA	Navicula sp3
23	Bacillariophyte	300	NB	Navicula sp1
24	Bacillariophyte	500	NC	Navicula sp2
25	Bacillariophyte	50	NV	Nitzschia sp1
26	Bacillariophyte	150	NX	Nitzschia sp2
27	Bacillariophyte	1000	PA	Pinnularia sp.
28	Bacillariophyte	50	RB	Rhizosolenia sp1
29	Bacillariophyte	75	RC	Rhizosolenia sp2
30	Bacillariophyte	500	SF	Stephanodiscus sp1
31	Bacillariophyte	1000	SI	Stephanodiscus sp3
32	Bacillariophyte	2000	SH	Stephanodiscus sp2
33	Bacillariophyte	150	SM	Synedra acus var2
34	Bacillariophyte	200	SN	Synedra acus var1
35	Bacillariophyte	150	SV	Synedra ulna var2
36	Bacillariophyte	500	SU	Synedra ulna var1
37	Bacillariophyte	100	SP	Synedra sp.
38	Bacillariophyte	500	TF	Tabellaria fenestrata var1
39	Bacillariophyte	1000	TG	Tabellaria fenestrata var2
40	Bacillariophyte	500	TB	Tabellaria flocculosa
41	Bacillariophyte	999	BO	Others
42	Chryso-cryptophytes	50	BP	Bitrichia sp1
43	Chryso-cryptophytes	75	BR	Bitrichia sp3
44	Chryso-cryptophytes	100	BQ	Bitrichia sp2
45	Chryso-cryptophytes	20	XX	Chromulina sp1
46	Chryso-cryptophytes	25	XY	Chromulina sp2
47	Chryso-cryptophytes	200	CB	Chroomonas acuta
48	Chryso-cryptophytes	500	YQ	Chryptomonas sp1
49	Chryso-cryptophytes	700	YO	Chryptomonas sp2
50	Chryso-cryptophytes	75	CC	Chrysochromulina sp.
51	Chryso-cryptophytes	250	CL	Chrysosphaerella sp.
52	Chryso-cryptophytes	350	DQ	Dinobryon sp.
53	Chryso-cryptophytes	50	EX	Epipyxis sp.
54	Chryso-cryptophytes	40	KB	Kephrion sp2
55	Chryso-cryptophytes	50	KA	Kephrion sp1
56	Chryso-cryptophytes	750	MG	Mallomonas sp.
57	Chryso-cryptophytes	75	PK	Pseudokephrion sp1
58	Chryso-cryptophytes	100	PM	Pseudokephrion sp2
59	Chryso-cryptophytes	100	RO	Rhodomonas sp.

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60	Chryso-cryptophytes	10	YZ	Small microflagellates
61	Chryso-cryptophytes	350	FO	Others
62	Dinophytes	5000	CH	Ceratium sp1
63	Dinophytes	10000	CI	Ceratium sp2
64	Dinophytes	1000	GY	Gymnodinium sp1
65	Dinophytes	1500	GZ	Gymnodinium sp2
66	Dinophytes	2000	GV	Gymnodinium sp3
67	Dinophytes	35	PI	Peridinium sp1
68	Dinophytes	350	PJ	Peridinium sp2
69	Dinophytes	999	DO	Others
70	Chlorophytes	80	XC	Ankistrodesmus sp1
71	Chlorophytes	100	XD	Ankistrodesmus sp2
72	Chlorophytes	100	CM	Coccomyxa sp1
73	Chlorophytes	200	CN	Coccomyxa sp2
74	Chlorophytes	500	CE	Coelastrum microporum
75	Chlorophytes	200	CK	Cosmarium sp2
76	Chlorophytes	500	CO	Cosmarium sp1
77	Chlorophytes	50	CF	Crucigenia sp2
78	Chlorophytes	100	CG	Crucigenia sp1
79	Chlorophytes	150	CJ	Crucigenia sp3
80	Chlorophytes	500	CU	Crucigeniella sp.
81	Chlorophytes	500	CV	Crucigeniella rectangularis
82	Chlorophytes	500	DM	Desmids sp1
83	Chlorophytes	1000	DN	Desmids sp2
84	Chlorophytes	300	DY	Dichtyosphaerium sp.
85	Chlorophytes	150	EK	Elaktothrix sp.
86	Chlorophytes	500	OO	Oocystis sp.
87	Chlorophytes	1000	PS	Paulschultzia colony
88	Chlorophytes	200	PL	Planctonema sp.
89	Chlorophytes	200	QA	Quadrigula sp.
90	Chlorophytes	20	ST	Selenastrum sp.
91	Chlorophytes	100	SJ	Scenedesmus sp1
92	Chlorophytes	200	SK	Scenedesmus sp2
93	Chlorophytes	250	SL	Scenedesmus sp3
94	Chlorophytes	1000	SD	Staurodesmus sp.
95	Chlorophytes	200	SE	Stichiococcoeis sp.
96	Chlorophytes	100	SB	Stichiococcus sp1
97	Chlorophytes	200	SG	Stichiococcus sp2
98	Chlorophytes	200	SA	Stichococcus atomas
99	Chlorophytes	50	TI	Tetrahedron sp2
100	Chlorophytes	100	TH	Tetrahedron sp1
101	Chlorophytes	500	CT	filament
102	Cyanophytes	100	AA	Anabaena sp1
103	Cyanophytes	200	AB	Anabaena sp2
104	Cyanophytes	500	AC	Anabaena sp3
105	Cyanophytes	150	AT	Aphanothecae sp.
106	Cyanophytes	100	CD	Chroococcus sp.
107	Cyanophytes	500	GK	Gomphosphaeria sp.
108	Cyanophytes	500	GL	Gomphosphaeria lacustrus
109	Cyanophytes	20	MS	Merismopaedia sp.
110	Cyanophytes	200	MH	Microcystis sp.
111	Cyanophytes	200	MI	Microcystis incerta
112	Cyanophytes	5	ZM	Oscillatoria sp1
113	Cyanophytes	10	ZL	Oscillatoria sp5
114	Cyanophytes	20	ZN	Oscillatoria sp2
115	Cyanophytes	200	ZP	Oscillatoria sp3
116	Cyanophytes	500	ZQ	Oscillatoria sp4
117	Cyanophytes	5	SC	Synechococcus sp.(<2um)
118	Cyanophytes	999	ZO	Others

Lake	Stn	Date	Depth	Code	Group	Species	Cell Volume	Raw	numbers	volume	Carbon	ratio
			m				µm3		#cells/m3	mm3/m3	ug C/m3	
Abercrombie	1	30-Jul-96	1	AM	Bacillariophyte	Achnanthes sp1	80	3	53549872	4.28	561.91	17.85
Abercrombie	1	30-Jul-96	1	AV	Bacillariophyte	Asterionella formosa var2	100	4	71399832	7.14	887.32	17.85
Abercrombie	1	30-Jul-96	1	CQ	Bacillariophyte	Cocconeis sp2	150	2	35699916	5.35	603.34	17.85
Abercrombie	1	30-Jul-96	1	CZ	Bacillariophyte	Cyclotella comta	500	1	17849958	8.92	751.58	17.85
Abercrombie	1	30-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	6	107099744	16.06	1810.03	17.85
Abercrombie	1	30-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	4	71399832	3.57	524.62	17.85
Abercrombie	1	30-Jul-96	1	DE	Bacillariophyte	Diatoma elongatum	100	2	35699916	3.57	443.66	17.85
Abercrombie	1	30-Jul-96	1	MJ	Bacillariophyte	Melosira italica	250	8	142799664	35.7	3554.9	17.85
Abercrombie	1	30-Jul-96	1	SM	Bacillariophyte	Synedra acus var2	150	2	35699916	5.35	603.34	17.85
Abercrombie	1	30-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	25	446248960	8.92	2262.33	17.85
Abercrombie	1	30-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	2	35699916	24.99	3936.85	17.85
Abercrombie	1	30-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp.	75	7	124949704	9.37	1990.45	17.85
Abercrombie	1	30-Jul-96	1	DQ	Chryso-cryptophytes	Dinobryon sp.	350	3	53549872	18.74	3239.52	17.85
Abercrombie	1	30-Jul-96	1	KE	Chryso-cryptophytes	Kephnon sp2	40	46	821098048	32.84	7588.07	17.85
Abercrombie	1	30-Jul-96	1	MG	Chryso-cryptophytes	Mallomonas sp.	750	9	160649616	120.49	18806.83	17.85
Abercrombie	1	30-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	3	53549872	5.35	1094.46	17.85
Abercrombie	1	30-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	49	874647936	8.75	2432.5	17.85
Abercrombie	1	30-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	3	53549872	53.55	8043.01	17.85
Abercrombie	1	30-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	3	53549872	18.74	3239.52	17.85
Abercrombie	1	30-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	8	142799664	11.42	2405.59	17.85
Abercrombie	1	30-Jul-96	1	OO	Chlorophytes	Oocystis sp.	500	3	53549872	26.77	4412.25	17.85
Abercrombie	1	30-Jul-96	1	SJ	Chlorophytes	Scenedesmus sp1	100	3	53549872	5.35	1094.46	17.85
Abercrombie	1	30-Jul-96	1	TJ	Chlorophytes	Tetrahedron sp2	50	5	89249792	4.46	1000.67	17.85
Abercrombie	1	30-Jul-96	1	ZY	Cyanophytes	Oscillatoria sp2	20	2	35699916	0.71	180.99	17.85
Abercrombie	1	30-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	104	1856395648	9.28	2832.26	17.85
Beaver	1	29-Jul-96	1	AV	Bacillariophyte	Achnanthes sp1	80	3	53549872	4.28	561.91	17.85
Beaver	1	29-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	1	17849958	2.68	301.67	17.85
Beaver	1	29-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	3	53549872	2.68	393.46	17.85
Beaver	1	29-Jul-96	1	SV	Bacillariophyte	Synedra acus var2	150	1	17849958	2.68	301.67	17.85
Beaver	1	29-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	33	589048640	11.78	2986.27	17.85
Beaver	1	29-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	2	35699916	7.14	1330.04	17.85
Beaver	1	29-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	2	35699916	24.99	3936.85	17.85
Beaver	1	29-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp	75	16	285599328	21.42	4549.6	17.85
Beaver	1	29-Jul-96	1	DQ	Chryso-cryptophytes	Dinobryon sp	350	3	53549872	18.74	3239.52	17.85
Beaver	1	29-Jul-96	1	KE	Chryso-cryptophytes	Kephnon sp2	40	60	1070997504	42.84	9897.49	17.85
Beaver	1	29-Jul-96	1	PV	Chryso-cryptophytes	Pseudokephnon sp2	100	14	249899408	24.99	5107.47	17.85
Beaver	1	29-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	9	160649616	16.06	3283.37	17.85
Beaver	1	29-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	64	1142397312	11.42	3177.15	17.85
Beaver	1	29-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	3	53549872	53.55	8043.01	17.85
Beaver	1	29-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	9	160649616	56.23	9718.57	17.85
Beaver	1	29-Jul-96	1	CG	Chlorophytes	Crucigenia sp1	100	1	17849958	1.78	364.82	17.85
Beaver	1	29-Jul-96	1	CO	Cyanophytes	Chroococcus sp.	100	7	124949704	12.49	2553.73	17.85
Beaver	1	29-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	155	2766743552	13.83	4221.15	17.85
Dark	1	29-Jul-96	1	AV	Bacillariophyte	Achnanthes sp1	80	4	47599888	3.81	499.48	11.90
Dark	1	29-Jul-96	1	CZ	Bacillariophyte	Cyclotella comta	500	1	11899972	5.95	501.05	11.90
Dark	1	29-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	5	59499860	8.92	1005.57	11.90
Dark	1	29-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	11	130899696	6.54	961.8	11.90
Dark	1	29-Jul-96	1	CV	Bacillariophyte	Cyclotella sp2	150	2	23799944	3.57	402.23	11.90
Dark	1	29-Jul-96	1	FF	Bacillariophyte	Fragilaria construens var2	80	3	35699916	2.86	374.61	11.90
Dark	1	29-Jul-96	1	MC	Bacillariophyte	Melosira distans	350	4	47599888	16.66	1529.32	11.90
Dark	1	29-Jul-96	1	NA	Bacillariophyte	Navicula sp3	200	5	59499860	11.9	1250.66	11.90
Dark	1	29-Jul-96	1	SV	Bacillariophyte	Synedra acus var2	150	2	23799944	3.57	402.23	11.90
Dark	1	29-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	17	202299520	4.05	1025.59	11.90
Dark	1	29-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	3	35699916	7.14	1330.04	11.90
Dark	1	29-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp	75	6	71399832	5.35	1137.4	11.90
Dark	1	29-Jul-96	1	KE	Chryso-cryptophytes	Kephnon sp2	40	7	83299608	3.33	769.8	11.90
Dark	1	29-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	8	95199776	9.52	1945.7	11.90
Dark	1	29-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	64	761596208	7.62	2118.1	11.90
Dark	1	29-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	2	23799944	8.33	1439.79	11.90
Dark	1	29-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	1	11899972	0.95	200.47	11.90
Dark	1	29-Jul-96	1	CK	Chlorophytes	Cosmarium sp2	200	2	23799944	4.76	886.7	11.90
Dark	1	29-Jul-96	1	CO	Cyanophytes	Chroococcus sp.	100	5	59499860	5.95	1216.06	11.90
Dark	1	29-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	150	1784995840	8.92	2723.32	11.90
Lower Horseshoe	1	29-Jul-96	0.5	AM	Bacillariophyte	Achnanthes sp1	80	9	229499472	18.36	2408.19	25.50
Lower Horseshoe	1	29-Jul-96	0.5	CX	Bacillariophyte	Cyclotella sp1	50	1	25499942	1.27	187.36	25.50
Lower Horseshoe	1	29-Jul-96	0.5	FF	Bacillariophyte	Fragilaria construens var2	80	5	127499712	10.2	1337.88	25.50
Lower Horseshoe	1	29-Jul-96	0.5	NA	Bacillariophyte	Navicula sp3	200	1	25499942	5.1	536	25.50
Lower Horseshoe	1	29-Jul-96	0.5	SV	Bacillariophyte	Synedra acus var2	150	1	25499942	3.82	430.96	25.50
Lower Horseshoe	1	29-Jul-96	0.5	XX	Chryso-cryptophytes	Chromulina sp1	20	13	331499232	6.63	1680.59	25.50
Lower Horseshoe	1	29-Jul-96	0.5	CC	Chryso-cryptophytes	Chrysochromulina sp.	75	20	509998848	38.25	8124.28	25.50
Lower Horseshoe	1	29-Jul-96	0.5	YZ	Chryso-cryptophytes	Small microflagellates	10	35	892497984	8.92	2482.15	25.50
Lower Horseshoe	1	29-Jul-96	0.5	GY	Dinophytes	Gymnodinium sp1	1000	3	76499824	76.5	11490.02	25.50
Lower Horseshoe	1	29-Jul-96	0.5	PJ	Dinophytes	Peridinium sp2	350	6	152999648	53.55	9255.79	25.50
Lower Horseshoe	1	29-Jul-96	0.5	CO	Cyanophytes	Chroococcus sp.	100	2	50999864	5.1	1042.34	25.50
Lower Horseshoe	1	29-Jul-96	0.5	SC	Cyanophytes	Synechococcus sp.(<2um)	5	465	11857473536	59.29	18090.64	25.50
Upper Horseshoe	1	29-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	7	208249520	31.24	3519.5	29.75
Upper Horseshoe	1	29-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	8	237999456	11.9	1748.73	29.75
Upper Horseshoe	1	29-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	44	1308999992	26.18	6636.16	29.75
Upper Horseshoe	1	29-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	3	89249792	17.85	3325.11	29.75
Upper Horseshoe	1	29-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	2	59499864	41.65	6561.41	29.75
Upper Horseshoe	1	29-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp.	75	38	1130497408	84.79	18008.82	29.75
Upper Horseshoe	1	29-Jul-96	1	DQ	Chryso-cryptophytes	Dinobryon sp.	350	32	951997824	333.2	57591.56	29.75

Upper Horseshoe	1	29-Jul-96	1	KB	Chryso-cryptophytes	Kephrion sp2	40	57	1695746176	67.83	15671.03	29.75
Upper Horseshoe	1	29-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	15	446248992	44.62	9120.47	29.75
Upper Horseshoe	1	29-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	105	3123742976	31.24	8687.51	29.75
Upper Horseshoe	1	29-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	5	148749664	148.75	22341.7	29.75
Upper Horseshoe	1	29-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	14	416499040	145.77	25196.31	29.75
Upper Horseshoe	1	29-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	1	29749932	2.38	501.17	29.75
Upper Horseshoe	1	29-Jul-96	1	CG	Chlorophytes	Crucigenia sp1	100	3	89249792	8.92	1824.09	29.75
Upper Horseshoe	1	29-Jul-96	1	ZN	Cyanophytes	Oscillatoria sp2	20	2	59499864	1.19	301.64	29.75
Upper Horseshoe	1	29-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	255	7586232832	37.93	11574.12	29.75
Island	1	30-Jul-96	1	AM	Bacillariophyte	Achnanthes sp1	80	2	50999884	4.08	535.15	25.50
Island	1	30-Jul-96	1	CQ	Bacillariophyte	Cocconeis sp2	150	1	25499942	3.82	430.96	25.50
Island	1	30-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	2	50999884	7.65	861.92	25.50
Island	1	30-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	10	254999424	12.75	1873.64	25.50
Island	1	30-Jul-96	1	FF	Bacillariophyte	Fragilaria construens var2	80	5	127499712	10.2	1337.88	25.50
Island	1	30-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	28	713998400	14.28	3619.73	25.50
Island	1	30-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	2	50999884	10.2	1900.06	25.50
Island	1	30-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	3	76499824	53.55	8436.1	25.50
Island	1	30-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp.	75	13	331499232	24.86	5280.78	25.50
Island	1	30-Jul-96	1	DQ	Chryso-cryptophytes	Dinobryon sp.	350	5	127499712	44.62	7713.16	25.50
Island	1	30-Jul-96	1	KB	Chryso-cryptophytes	Kephrion sp2	40	2	50999884	2.04	471.31	25.50
Island	1	30-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	15	382499136	38.25	7817.55	25.50
Island	1	30-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	107	2728493824	27.28	7588.27	25.50
Island	1	30-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	5	127499712	44.62	7713.16	25.50
Island	1	30-Jul-96	1	XD	Chlorophytes	Ankistrodesmus sp2	100	3	76499824	7.65	1563.51	25.50
Island	1	30-Jul-96	1	CG	Chlorophytes	Crucigenia sp1	100	2	50999884	5.1	1042.34	25.50
Island	1	30-Jul-96	1	OO	Chlorophytes	Oocystis sp.	500	2	50999884	25.5	4202.15	25.50
Island	1	30-Jul-96	1	SL	Chlorophytes	Scenedesmus sp3	250	1	25499942	6.37	1152.61	25.50
Island	1	30-Jul-96	1	CD	Cyanophytes	Chroococcus sp	100	7	178499600	17.85	3648.19	25.50
Island	1	30-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	420	10709976064	53.55	16339.94	25.50
Lilly	1	30-Jul-96	1	AM	Bacillariophyte	Achnanthes sp1	80	1	17849958	1.43	187.3	17.85
Lilly	1	30-Jul-96	1	CS	Bacillariophyte	Cyclotella stelligera	150	2	35699916	5.35	603.34	17.85
Lilly	1	30-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	6	107099744	5.35	786.93	17.85
Lilly	1	30-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	39	696148352	13.92	3529.23	17.85
Lilly	1	30-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	3	53549872	10.71	1995.06	17.85
Lilly	1	30-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	1	17849958	12.49	1968.42	17.85
Lilly	1	30-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp	75	11	196349536	14.73	3127.85	17.85
Lilly	1	30-Jul-96	1	DQ	Chryso-cryptophytes	Dinobryon sp	350	3	53549872	18.74	3239.52	17.85
Lilly	1	30-Jul-96	1	KB	Chryso-cryptophytes	Kephrion sp2	40	25	446248960	17.85	4123.95	17.85
Lilly	1	30-Jul-96	1	MG	Chryso-cryptophytes	Mallomonas sp	750	2	35699916	26.77	4179.3	17.85
Lilly	1	30-Jul-96	1	PM	Chryso-cryptophytes	Pseudokephrion sp2	100	12	214199488	21.42	4377.83	17.85
Lilly	1	30-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	6	107099744	10.71	2188.91	17.85
Lilly	1	30-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	84	1499396480	14.99	4170	17.85
Lilly	1	30-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	13	232049456	232.05	34853.06	17.85
Lilly	1	30-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	7	124949704	43.73	7558.89	17.85
Lilly	1	30-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	1	17849958	1.43	300.7	17.85
Lilly	1	30-Jul-96	1	CG	Chlorophytes	Crucigenia sp1	100	3	53549872	5.35	1094.46	17.85
Lilly	1	30-Jul-96	1	CD	Cyanophytes	Chroococcus sp.	100	2	35699916	3.57	729.64	17.85
Lilly	1	30-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	255	4551739392	22.76	6944.47	17.85
Mission	1	30-Jul-96	1	CQ	Bacillariophyte	Cocconeis sp2.	150	4	47599888	7.14	804.46	11.90
Mission	1	30-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	13	154699632	3.09	784.27	11.90
Mission	1	30-Jul-96	1	CS	Chryso-cryptophytes	Chroomonas acuta	200	5	59499860	11.9	2216.74	11.90
Mission	1	30-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	1	11899972	8.33	1312.28	11.90
Mission	1	30-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp.	75	13	154699632	11.6	2464.37	11.90
Mission	1	30-Jul-96	1	KB	Chryso-cryptophytes	Kephrion sp2	40	5	59499860	2.38	549.86	11.90
Mission	1	30-Jul-96	1	PM	Chryso-cryptophytes	Pseudokephrion sp2	100	13	154699632	15.47	3161.76	11.90
Mission	1	30-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp	100	8	95199776	9.52	1945.7	11.90
Mission	1	30-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	26	309399264	3.09	860.48	11.90
Mission	1	30-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	8	95199776	95.2	14298.69	11.90
Mission	1	30-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	19	226099472	79.13	13678	11.90
Mission	1	30-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	10	118999720	9.52	2004.66	11.90
Mission	1	30-Jul-96	1	CT	Chlorophytes	filament	500	1	11899972	5.95	980.5	11.90
Mission	1	30-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	200	2379994368	11.9	3631.1	11.90
Potato Patch	1	30-Jul-96	1	CX	Bacillariophyte	Cyclotella sp1	50	2	71399632	3.57	524.62	35.70
Potato Patch	1	30-Jul-96	1	FF	Bacillariophyte	Fragilaria construens var2	80	3	107099744	8.57	1123.82	35.70
Potato Patch	1	30-Jul-96	1	XX	Chryso-cryptophytes	Chromulina sp1	20	7	249899408	5	1266.9	35.70
Potato Patch	1	30-Jul-96	1	CB	Chryso-cryptophytes	Chroomonas acuta	200	1	35699916	7.14	1330.04	35.70
Potato Patch	1	30-Jul-96	1	YO	Chryso-cryptophytes	Chryptomonas sp2	700	1	35699916	24.99	3936.85	35.70
Potato Patch	1	30-Jul-96	1	CC	Chryso-cryptophytes	Chrysochromulina sp	75	3	107099744	8.03	1706.1	35.70
Potato Patch	1	30-Jul-96	1	MG	Chryso-cryptophytes	Mallomonas sp.	750	2	71399832	53.55	8358.59	35.70
Potato Patch	1	30-Jul-96	1	RO	Chryso-cryptophytes	Rhodomonas sp.	100	6	214199488	21.42	4377.83	35.70
Potato Patch	1	30-Jul-96	1	YZ	Chryso-cryptophytes	Small microflagellates	10	66	2356194560	23.56	6552.87	35.70
Potato Patch	1	30-Jul-96	1	GY	Dinophytes	Gymnodinium sp1	1000	13	464098912	464.1	69706.11	35.70
Potato Patch	1	30-Jul-96	1	PJ	Dinophytes	Peridinium sp2	350	5	178499584	62.47	10798.42	35.70
Potato Patch	1	30-Jul-96	1	XC	Chlorophytes	Ankistrodesmus sp1	80	32	1142397312	91.39	19244.74	35.70
Potato Patch	1	30-Jul-96	1	CD	Cyanophytes	Chroococcus sp.	100	4	142799664	14.28	2918.55	35.70
Potato Patch	1	30-Jul-96	1	ZN	Cyanophytes	Oscillatoria sp2	20	48	1713595904	34.27	8687.34	35.70
Potato Patch	1	30-Jul-96	1	SC	Cyanophytes	Synechococcus sp.(<2um)	5	310	11066974208	55.33	16884.6	35.70

Abercrombie Lake Station 1 7/30/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	53549872	4.28	561.91
Asterionella formosa var2	71399832	7.14	887.32
Cocconeis sp2	35699916	5.35	603.34
Cyclotella comta	17849958	8.92	751.58
Cyclotella stelligera	107099744	16.06	1810.03
Cyclotella sp1	71399832	3.57	524.62
Diatoma elongatum	35699916	3.57	443.66
Melosira italica	142799664	35.70	3554.90
Synedra acus var2	35699916	5.35	603.34
Group total	571198592	89.96	9740.71
Chryso-cryptophytes			
Chromulina sp1	446248960	8.92	2262.33
Chryptomonas sp2	35699916	24.99	3936.85
Chrysochromulina sp.	124949704	9.37	1990.45
Dinobryon sp.	53549872	18.74	3239.52
Kephrion sp2	821098048	32.84	7588.07
Mallomonas sp.	160649616	120.49	18806.83
Rhodomonas sp.	53549872	5.35	1094.46
Small microflagellates	874647936	8.75	2432.50
Group total	2570393856	229.46	41351.02
Dinophytes			
Gymnodinium sp1	53549872	53.55	8043.01
Peridinium sp2	53549872	18.74	3239.52
Group total	107099744	72.29	11282.54
Chlorophytes			
Ankistrodesmus sp1	142799664	11.42	2405.59
Oocystis sp.	53549872	26.77	4412.25
Scenedesmus sp1	53549872	5.35	1094.46
Tetrahedron sp2	89249792	4.46	1000.67
Group total	339149184	48.02	8912.97
Cyanophytes			
Oscillatoria sp2	35699916	0.71	180.99
Synechococcus sp.(<2um)	1856395648	9.28	2832.26
Group total	1892095616	10.00	3013.24
Grand Total	5479937024	449.73	74300.48

...ation Avercrombie Date 30/01/96 (d m y) Stn. ___ Depth ___ Tow? yes ___ no ✓

Bottle Sample? yes ✓ no ___ , Magnif. 1560X Transect length 10 mm Date Counted 20/06/97 (d m y)

Comments: Diverse, Sparse! Mostly flagellates!

TOTAL CELLS		RAW COUNT	VOLUME
		1.) BACILLARIOPHYTES (Diatoms)	
AM	3	Achnanthes sp. 1,1,1,	80
AV	4	Asterionella formosa 1,2,1,	100
		Fragilaria crotonensis	
		construens	
		sp.	
SM	2	Synedra acus 1,1,	150
		sp.	
MJ	8	Melosira italica 1,1,2,1,3, (Small variety)	250
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	6	Cyclotella stelligera 1,1,1,1,1,1	150
CZ	1	comta 1,	500
CX	4	sp. 1,1,1,1,	50
		Stephanodiscus sp.	
		Rhizosolenia	
DE	2	Diatoma elongatum 1,1,	100
CQ	2	Others Cocconeis 1,1,	150
		2.) CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	25	Chromulina sp. 1,3,2,2,2,4,2,3,2,4,	20
CC	7	Chrysochromulina sp. 1,2,1,1,1,1,	45
YC	2	Chryptomonas sp. 1,1,	700
		Chroomonas acuta	
RW	3	Rhodomonas sp. 1,1,1,	100
MG	9	Mallomonas sp. 1,3,1,1,1,2,	750
KB	46	Kephrion sp. 1,1,3,4,1,3,5,6,3,5,7,7,3,	40
DQ	3	Dinobryon sp. 1,1,1,	350
YZ	49	Small microflagellates 2,1,3,1,2,11,4,4,6,10,5,	10
		Others	
		3.) DINOPHYTES (Dinoflagellates)	
PJ	3	Peridinium sp. 1,1,1,	350
GY	3	Gymnodinium sp. 1,1,1,	1000
		Others	
		4.) CHLOROPHYTES (Green algae)	
XC	8	Ankistrodesmus sp. 1,2,1,1,3,	80
SJ	3	Scenedesmus sp. 1,1,1, Small ?	100
OO	3	Desmids Oocystis 1,1,1,	500
TI	5	Others Tetraheadron 1,1,1,1,1,	50
		5.) CYANOPHYTES (Blue-green algae)	
SC	104	Synechococcus (<2um, picoplankton) 5,5,10,10,15,10,5,3,7,5,5,7,6,11,	5
		Anabaena sp.	
ZN	2	Oscillatoria sp. 1,1, (Small filament)	20
		Others	

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Beaver Lake Station 1 7/29/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	53549872	4.28	561.91
Cyclotella stelligera	17849958	2.68	301.67
Cyclotella sp1	53549872	2.68	393.46
Synedra acus var2	17849958	2.68	301.67
Group total	142799664	12.32	1558.72
Chryso-cryptophytes			
Chromulina sp1	589048640	11.78	2986.27
Chroomonas acuta	35699916	7.14	1330.04
Chryptomonas sp2	35699916	24.99	3936.85
Chrysochromulina sp.	285599328	21.42	4549.60
Dinobryon sp.	53549872	18.74	3239.52
Kephrion sp2	1070997504	42.84	9897.49
Pseudokephrion sp2	249899408	24.99	5107.47
Rhodomonas sp.	160649616	16.06	3283.37
Small microflagellates	1142397312	11.42	3177.15
Group total	3623541760	179.39	37507.76
Dinophytes			
Gymnodinium sp1	53549872	53.55	8043.01
Peridinium sp2	160649616	56.23	9718.57
Group total	214199488	109.78	17761.59
Chlorophytes			
Crucigenia sp1	17849958	1.78	364.82
Group total	17849958	1.78	364.82
Cyanophytes			
Chroococcus sp.	124949704	12.49	2553.73
Synechococcus sp.(<2um)	2766743552	13.83	4221.15
Group total	2891693312	26.33	6774.88
Grand Total	6890084352	329.60	63967.77

Bottle Sample? yes ✓ no ___ , Magnif. 1560X Transect length 10 mm Date Counted 22/06/97 (d m y)

Comments: Lots of phyto-organic detritus/debris, clumped!

DIAL CELLS	RAW COUNT		VOLUME
		1.] *BACILLARIOPHYTES* (Diatoms)	
AM	3	Achnanthes sp. 1, 2,	85
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
SM	1	Synedra acus 1,	150
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
C.S	1	Cyclotella stelligera 1,	150
		comta	
C.X	3	sp. 1, 1, 1,	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
		Others	
		2.] *CHRYSO-CRYPTOPHYTES* (Flagellates)	
XX	33	Chromulina sp. 2, 2, 3, 2, 3, 3, 1, 3, 6, 3, 2, 3	20
CC	16	Chrysochromulina sp. 1, 2, 1, 1, 1, 2, 2, 1, 3, 1, 1,	95
YC	2	Chryptomonas sp. 1, 1,	200
[illegible]	2	Chroomonas acuta 1, 1	[illegible]
RC	9	Rhodomonas sp. 2, 1, 1, 2, 2, 1,	125
		Mallomonas sp.	
KM	60	Kephrion sp. 3, 1, 2, 4, 7, 8, 6, 5, 7, 6, 5, 6 Pseudokephrion: 1, 2, 1, 4, 1, 4, 1	40 / 100
DQ	3	Dinobryon sp. 1, 1, 1,	350
YZ	64	Small microflagellates 3, 4, 5, 1, 4, 2, 5, 4, 11, 7, 4,	10
		Others	
		3.] *DINOPHYTES* (Dinoflagellates)	
PJ	9	Peridinium sp. 1, 1, 1, 1, 1, 2, 2,	350
GY	3	Gymnodinium sp. 1, 1, 1,	1,000
		Others	
		4.] *CHLOROPHYTES* (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	
		Desmids	
CG	1	Others Cruciaceae 1,	100
		5.] *CYANOPHYTES* (Blue-green algae)	
SC	155	Synechococcus (<2um, picoplankton) 15, 10, 15, 10, 15, 10, 20, 10, 15, 15, 20	5
		Anabaena sp.	
		Oscillatoria sp.	
OD	7	Others Chroococcus 1, 1, 1, 1, 1, 2,	100

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Dark Lake Station 1 7/29/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	47599888	3.81	499.48
Cyclotella comta	11899972	5.95	501.05
Cyclotella stelligera	59499860	8.92	1005.57
Cyclotella sp1	130899696	6.54	961.80
Cyclotella sp2	23799944	3.57	402.23
Fragilaria construens var2	35699916	2.86	374.61
Melosira distans	47599888	16.66	1529.32
Navicula sp3	59499860	11.90	1250.66
Synedra acus var2	23799944	3.57	402.23
Group total	440298976	63.78	6926.95
Chryso-cryptophytes			
Chromulina sp1	202299520	4.05	1025.59
Chroomonas acuta	35699916	7.14	1330.04
Chrysochromulina sp.	71399832	5.35	1137.40
Kephrion sp2	83299808	3.33	769.80
Rhodomonas sp.	95199776	9.52	1945.70
Small microflagellates	761598208	7.62	2118.10
Group total	1249497088	37.01	8326.63
Dinophytes			
Peridinium sp2	23799944	8.33	1439.79
Group total	23799944	8.33	1439.79
Chlorophytes			
Ankistrodesmus sp1	11899972	0.95	200.47
Cosmarium sp2	23799944	4.76	886.70
Group total	35699916	5.71	1087.16
Cyanophytes			
Chroococcus sp.	59499860	5.95	1216.06
Synechococcus sp.(<2um)	1784995840	8.92	2723.33
Group total	1844495744	14.87	3939.39
Grand Total	3593791744	129.71	21719.92

Location Dark L. Date 23/07/96 (d m y) Stn. 1 Depth 1m Tow? yes ___ no X

Bottle Sample? yes ✓ no ___ , Magnif. 1560 X Transect length 15 mm Date Counted 22/06/97 (d m y)

Comments: Sparse! Some phytodetritus/debris, clumped.

TOTAL CELLS		RAW COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	4	Achnanthes sp. 2,1,1,	80
		Asterionella formosa	
		Fragilaria crotonensis	
FF	3	construens 1,1,1,	80
		sp.	
SM	2	Synedra acus 1,1,	150
		sp.	
		Melosira italica	
MC	4	distans 2,2,	350
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	5	Cyclotella stelligera 2,1,1,1	150
CZ	1	comta 1	500
CX	11	sp. 1,1,1,1,1,2,1,1,1,1	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
NA / RW	5 / 2	Others Navicula 1,1,1,1,1, Cymbella 1,1,	200 / 150
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	17	Chromulina sp. 2,2,1,1,2,1,2,1,3,2,	20
CC	6	Chrysochromulina sp. 1,1,1,1,2	25
		Chryptomonas sp.	
CB	3	Chroomonas acuta 1,1,1,	200
RO	5	Rhodomonas sp. 1,1,1,2,2,1,	100
		Mallomonas sp.	
KB	7	Kephrion sp. 1,1,1,1,2,1,	40
		Dinobryon sp.	
Z	64	Small microflagellates 4,5,3,3,2,3,7,4,4,5,4,5,4,4	10
		Others	
		3.] DINOPHYTES (Dinoflagellates)	
PJ	2	Peridinium sp. 1,1,	350
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	
XC	1	Ankistrodesmus sp. 1,	100
		Scenedesmus sp.	
CK	2	Desmids Cosmarium 1,1,	200
		Others	
		5.] CYANOPHYTES (Blue-green algae)	
SC	150	Synechococcus (<2um, picoplankton) 5,10,5,10,10,5,10,10,15,10,15,25,20	[illegible]
		Anabaena sp.	
		Oscillatoria sp.	
D	5	Others Chroococcus 1,1,1,1,1,	100

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Lower Horseshoe Lake Station 1 7/29/96 Depth=0.5 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	229499472	18.36	2408.19
Cyclotella sp1	25499942	1.27	187.36
Fragilaria construens var2	127499712	10.20	1337.88
Navicula sp3	25499942	5.10	536.00
Synedra acus var2	25499942	3.82	430.96
Group total	433499008	38.76	4900.39
Chryso-cryptophytes			
Chromulina sp1	331499232	6.63	1680.59
Chrysochromulina sp.	509998848	38.25	8124.28
Small microflagellates	892497984	8.92	2482.15
Group total	1733996032	53.80	12287.01
Dinophytes			
Gymnodinium sp1	76499824	76.50	11490.02
Peridinium sp2	152999648	53.55	9255.79
Group total	229499472	130.05	20745.80
Cyanophytes			
Chroococcus sp.	50999884	5.10	1042.34
Synechococcus sp.(<2um)	11857473536	59.29	18090.64
Group total	11908473856	64.39	19132.98
Grand Total	14305468416	287.00	57066.20

Location L. Horseshoe 2. Date 29/07/96 (d/m/y) Stn. 1 Depth 0.5m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560x Transect length 7 mm Date Counted 22/06/97 (d/m/y)

Comments: Loaded with debris, difficult to count! Fine, glacial silt?

DIAL CELLS		RAW COUNT	VOLUME
		1.] *BACILLARIOPHYTES* (Diatoms)	
AM	9	Achnanthes sp. 1, 2, 3, 1, 1, 1	80
		Asterionella formosa	
		Fragilaria crotonensis	
FF	5	construens 1, 1, 1, 1, 1	20
		sp.	
SM	1	Synedra acus 1	130
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	
CX	1	sp. 1	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
NA	1	Others Navicula 1	200
		2.] *CHRYSO-CRYPTOPHYTES* (Flagellates)	
XX	13	Chromulina sp. 3, 3, 4, 1, 2	20
CC	20	Chrysochromulina sp. 1, 2, 5, 4, 7, 1	90
		Chryptomonas sp.	
		Chroomonas acuta	
		Rhodomonas sp.	
		Mallomonas sp.	
		Kephrion sp.	
		Dinobryon sp.	
Z	35	Small microflagellates 10, 5, 7, 3, 7, 3	10
		Others	
		3.] *DINOPHYTES* (Dinoflagellates)	
PJ	6	Peridinium sp. 2, 1, 1, 2	25
GY	3	Gymnodinium sp. 1, 1, 1	100
		Others	
		4.] *CHLOROPHYTES* (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] *CYANOPHYTES* (Blue-green algae)	
C	465	Synechococcus (<2um, picoplankton) 50, 30, 50, 55, 60, 50, 65, 50, 55	1
		Anabaena sp.	
		Oscillatoria sp.	
OD	2	Others Chroococcus 1, 1	100

Upper Horseshoe Lake Station 1 7/29/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella stelligera	208249520	31.24	3519.50
Cyclotella sp1	237999456	11.90	1748.73
Group total	446248960	43.14	5268.23
Chryso-cryptophytes			
Chromulina sp1	1308996992	26.18	6636.16
Chroomonas acuta	89249792	17.85	3325.11
Chryptomonas sp2	59499864	41.65	6561.41
Chrysochromulina sp.	1130497408	84.79	18008.82
Dinobryon sp.	951997824	333.20	57591.56
Kephrion sp2	1695746176	67.83	15671.03
Rhodomonas sp.	446248992	44.62	9120.47
Small microflagellates	3123742976	31.24	8687.51
Group total	8805980160	647.36	125602.07
Dinophytes			
Gymnodinium sp1	148749664	148.75	22341.70
Peridinium sp2	416499040	145.77	25196.31
Group total	565248704	294.52	47538.01
Chlorophytes			
Ankistrodesmus sp1	29749932	2.38	501.17
Crucigenia sp1	89249792	8.92	1824.09
Group total	118999728	11.30	2325.26
Cyanophytes			
Oscillatoria sp2	59499864	1.19	301.64
Synechococcus sp.(<2um)	7586232832	37.93	11574.12
Group total	7645732864	39.12	11875.77
Grand Total	17582211072	1035.45	192609.34

Bottle Sample? yes ✓ no ___ , Magnif. 560x Transect length 6 mm Date Counted 20/06/97 (d m y)

Comments: Rich - lots of detritus/debris.

DIAL CELLS		RAW COUNT	VOLUME
		1.] *BACILLARIOPHYTES* (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	7	Cyclotella stelligera 2,1,1,1,1,1	15
		comta	
CX	8	sp. 3,2,2,1	5
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
		Others	
		2.] *CHRYSO-CRYPTOPHYTES* (Flagellates)	
XX	24	Chromulina sp. 2,3,4,5,3,4,6,6,4,4,	20
CC	35	Chrysochromulina sp. 4,3,4,3,4,3,4,4,	70
YO	2	Chryptomonas sp. 1,1,	70
CB	3	Chroomonas acuta 1,1,1,	200
RO	15	Rhodomonas sp. 1,2,1,3,3,2,3,	100
		Mallomonas sp.	
KB	57	Kephrion sp. 5,3,5,4,6,4,7,11,12,	40
DQ	32	Dinobryon sp. 2,1,1,3,2,6,2,4,6,3,2,	30
IZ	105	Small microflagellates 10,11,7,11,4,10,12,11,14,11,	10
		Others	
		3.] *DINOPHYTES* (Dinoflagellates)	
PJ	14	Peridinium sp. 2,1,1,2,3,1,3,1,	30
GY	5	Gymnodinium sp. 1,1,1,1,1,	10
		Others	
		4.] *CHLOROPHYTES* (Green algae)	
XS	1	Ankistrodesmus sp. 1	80
SC	3	Scenedesmus sp. Cruciginia 1,1,1,	100
		Desmids	
		Others	
		5.] *CYANOPHYTES* (Blue-green algae)	
SC	255	Synechococcus (<2um, picoplankton) 15,15,20,20,25,20,25,20,35,30,	5
		Anabaena sp.	
	2	Oscillatoria sp. 1,1, (small filament ~2-3um)	20
		Others	

Island Lake Station 1 7/30/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	50999884	4.08	535.15
Cocconeis sp2	25499942	3.82	430.96
Cyclotella stelligera	50999884	7.65	861.92
Cyclotella sp1	254999424	12.75	1873.64
Fragilaria construens var2	127499712	10.20	1337.88
Group total	509998848	38.50	5039.55
Chryso-cryptophytes			
Chromulina sp1	713998400	14.28	3619.73
Chroomonas acuta	50999884	10.20	1900.06
Chryptomonas sp2	76499824	53.55	8436.10
Chrysochromulina sp.	331499232	24.86	5280.78
Dinobryon sp.	127499712	44.62	7713.16
Kephrion sp2	50999884	2.04	471.31
Rhodomonas sp.	382499136	38.25	7817.55
Small microflagellates	2728493824	27.28	7588.27
Group total	4462490112	215.09	42826.96
Dinophytes			
Peridinium sp2	127499712	44.62	7713.16
Group total	127499712	44.62	7713.16
Chlorophytes			
Ankistrodesmus sp2	76499824	7.65	1563.51
Crucigenia sp1	50999884	5.10	1042.34
Oocystis sp.	50999884	25.50	4202.15
Scenedesmus sp3	25499942	6.37	1152.61
Group total	203999536	44.62	7960.61
Cyanophytes			
Chroococcus sp.	178499600	17.85	3648.19
Synechococcus sp.(<2um)	10709976064	53.55	16339.94
Group total	10888475648	71.40	19988.13
Grand Total	16192463872	414.25	83528.40

Location Island Lake Date 30/07/96 (d m y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560x Transect length 7 mm Date Counted 20/06/97 (d m y)

Comments: Diverse – Lots of picoplankton & pflagellates

TOTAL CELLS		RAW COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	2	Achnanthes sp. 1,1,	80
		Asterionella formosa	
		Fragilaria crotonensis	
FF	5	construens 2,1,1,1,	90
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	2	Cyclotella stelligera 1,1,	150
		comta	
CX	10	sp. 1,1,2,1,2,1,1,1,	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
CQ	1	Others Cocconeis 1,	150
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	28	Chromulina sp. 2,1,2,3,4,2,2,2,3,4,3,	20
CL	13	Chrysochromulina sp. 1,1,2,1,3,1,3,1,	75
YU	3	Chryptomonas sp. 1,1,1,	400
CB	2	Chroomonas acuta 1,1,	200
RO	15	Rhodomonas sp. 1,2,1,1,1,1,2,1,4,1,	100
		Mallomonas sp.	
KB	2	Kephrion sp. 1,1,	40
DQ	5	Dinobryon sp. 1,2,1,1,	350
YZ	107	Small microflagellates 5,7,10,11,7,6,12,15,15,7,1,	10
		Others	
		3.] DINOPHYTES (Dinoflagellates)	
PJ	5	Peridinium sp. 1,1,2,1,	350
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	
XD	3	Ankistrodesmus sp. 1,2,	100
SL	1	Scenedesmus sp. 1,	250
CG	2	Desmids Crucigenia 1,1,	100
OO	2	Others Oocystis 1,1	500
		5.] CYANOPHYTES (Blue-green algae)	
SC	420	Synechococcus (<2um, picoplankton) 25,20,25,30,25,35,40,35,40,50,45,50	5
		Anabaena sp.	
		Oscillatoria sp.	
CD	7	Others Chroococcus 1,1,2,2,1,	100

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Lilly Lake Station 1 7/30/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp1	17849958	1.43	187.30
Cyclotella stelligera	35699916	5.35	603.34
Cyclotella sp1	107099744	5.35	786.93
Group total	160649616	12.14	1577.57
Chryso-cryptophytes			
Chromulina sp1	696148352	13.92	3529.23
Chroomonas acuta	53549872	10.71	1995.06
Chryptomonas sp2	17849958	12.49	1968.42
Chrysochromulina sp.	196349536	14.73	3127.85
Dinobryon sp.	53549872	18.74	3239.52
Kephrion sp2	446248960	17.85	4123.95
Mallomonas sp.	35699916	26.77	4179.30
Pseudokephrion sp2	214199488	21.42	4377.83
Rhodomonas sp.	107099744	10.71	2188.91
Small microflagellates	1499396480	14.99	4170.00
Group total	3320092416	162.35	32900.09
Dinophytes			
Gymnodinium sp1	232049456	232.05	34853.06
Peridinium sp2	124949704	43.73	7558.89
Group total	356999168	275.78	42411.95
Chlorophytes			
Ankistrodesmus sp1	17849958	1.43	300.70
Crucigenia sp1	53549872	5.35	1094.46
Group total	71399832	6.78	1395.16
Cyanophytes			
Chroococcus sp.	35699916	3.57	729.64
Synechococcus sp.(<2um)	4551739392	22.76	6944.47
Group total	4587439104	26.33	7674.11
Grand Total	8496580608	483.38	85958.88

Bottle Sample? yes ✓ no ___ , Magnif. 1560x Transect length 10 mm Date Counted 22/06/97 (d m y)

Comments: Diverse! Mostly flagellates & Picoplankters.

TOTAL CELLS		RAW COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM	1	Achnanthes sp. 1	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS	2	Cyclotella stelligera 1,1	
		comta	[illegible]
CX	6	sp. 1,2,2,1	
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	[illegible]
XX	39	Chromulina sp. 1,2,3,2,3,2,2,2,3,7,3,4,3,2	[illegible]
CC	11	Chrysochromulina sp. 1,1,1,2,1,1,2,1,1	400
YO	1	Chryptomonas sp. 1	[illegible]
CB	3	Chroomonas acuta 1,1,1	100
RO	6	Rhodomonas sp. 2,1,1,1	250
MG	2	Mallomonas sp. 1,1	40/100
ZB	25	Kephrion sp. 2,1,1,3,2,2,3,1,6,4, [illegible] 2,1,2,1,2,1,2,1	350
M	12		
XQ	3	Dinobryon sp. 1,1,1	10
YZ	54	Small microflagellates 3,3,6,4,7,10,11,7,15,11,7	
		Others	
		3.] DINOPHYTES (Dinoflagellates)	[illegible]
PJ	7	Peridinium sp. 1,1,1,2,2	1000
GY	13	Gymnodinium sp. 1,1,1,2,1,2,3,2	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	1	Ankistrodesmus sp. 1	
		Scenedesmus sp.	
		Desmids	[illegible]
CG	3	Others Crucigenia 1,1,1	
		5.] CYANOPHYTES (Blue-green algae)	[illegible]
SC	255	Synechococcus (<2um, picoplankton) 15,20,25,20,25,20,20,30,30,30,[illegible]	
		Anabaena sp.	
		Oscillatoria sp.	[illegible]
D	2	Others Chroococcus 1,1	

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Mission Lake Station 1 7/30/96 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cocconeis sp2	47599888	7.14	804.46
Group total	47599888	7.14	804.46
Chryso-cryptophytes			
Chromulina sp1	154699632	3.09	784.27
Chroomonas acuta	59499860	11.90	2216.74
Chryptomonas sp2	11899972	8.33	1312.28
Chrysochromulina sp.	154699632	11.60	2464.37
Kephrion sp2	59499860	2.38	549.86
Pseudokephrion sp2	154699632	15.47	3161.76
Rhodomonas sp.	95199776	9.52	1945.70
Small microflagellates	309399264	3.09	860.48
Group total	999597696	65.39	13295.46
Dinophytes			
Gymnodinium sp1	95199776	95.20	14298.69
Peridinium sp2	226099472	79.13	13678.00
Group total	321299264	174.33	27976.69
Chlorophytes			
Ankistrodesmus sp1	118999720	9.52	2004.66
filament	11899972	5.95	980.50
Group total	130899696	15.47	2985.16
Cyanophytes			
Synechococcus sp.(<2um)	2379994368	11.90	3631.10
Group total	2379994368	11.90	3631.10
Grand Total	3879390976	274.23	48692.86

Location [illegible] Date [illegible] Stn. [illegible] Depth [illegible] Towr yes ___ no [illegible]

Bottle Sample? yes ✓ no ___ , Magnif. 1560 x Transect length 15 mm Date Counted 22/06/97 (d m y)

Comments: Sparse! Mostly flagellates & dinos.

TOTAL CELLS		RAW COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	
		sp.	
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
CQ	4	Others Cocconeis 1,1,1,1	150
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	13	Chromulina sp. 2,1,3,2,1,1,2,1	20
CC	13	Chrysochromulina sp. 1,1,2,1,1,1,2,1,1,1,1	[illegible]
YC	1	Chryptomonas sp. 1	200
CB	5	Chroomonas acuta 1,1,1,1,1	200
RO	8	Rhodomonas sp. 1,1,1,1,1,2,1	100
		Mallomonas sp.	
KE	5	Kephrion sp. 1,1,1,1,1 | [illegible] 2,3,1,[illegible]	40 | 10
PM	13		
		Dinobryon sp.	
YZ	26	Small microflagellates 5,3,5,1,1,2,1,3,4,1	[illegible]
		Others	
		3.] DINOPHYTES (Dinoflagellates)	
PJ	19	Peridinium sp. 1,1,1,1,2,2,2,2,2,1,1,[illegible]	[illegible]
GY	8	Gymnodinium sp. 1,1,1,1,1,1,1,1	1000
		Others	
		4.] CHLOROPHYTES (Green algae)	
XC	10	Ankistrodesmus sp. 1,1,1,2,3,1,1	80
		Scenedesmus sp.	
		Desmids	
CT	1	Others filament [illegible] 1	500
		5.] CYANOPHYTES (Blue-green algae)	
SC	200	Synechococcus (<2um, picoplankton) 15,10,15,10,15,15,10,20,15,15,20,[illegible]	[illegible]
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

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Potato Patch Lake	Station 1	7/30/96	Depth=1 meter(s)
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella sp1	71399832	3.57	524.62
Fragilaria construens var2	107099744	8.57	1123.82
Group total	178499584	12.14	1648.44
Chryso-cryptophytes			
Chromulina sp1	249899408	5.00	1266.90
Chroomonas acuta	35699916	7.14	1330.04
Cryptomonas sp2	35699916	24.99	3936.85
Chrysochromulina sp.	107099744	8.03	1706.10
Mallomonas sp.	71399832	53.55	8358.59
Rhodomonas sp.	214199488	21.42	4377.83
Small microflagellates	2356194560	23.56	6552.87
Group total	3070192896	143.69	27529.17
Dinophytes			
Gymnodinium sp1	464098912	464.10	69706.11
Peridinium sp2	178499584	62.47	10798.42
Group total	642598528	526.57	80504.52
Chlorophytes			
Ankistrodesmus sp1	1142397312	91.39	19244.74
Group total	1142397312	91.39	19244.74
Cyanophytes			
Chroococcus sp.	142799664	14.28	2918.55
Oscillatoria sp2	1713595904	34.27	8687.34
Synechococcus sp.(<2um)	11066974208	55.33	16884.60
Group total	12923369472	103.89	28490.49
Grand Total	17957058560	877.68	157417.36

Bottle Sample? yes ✓ no ___ , Magnif. 1560 X Transect length 5 mm Date Counted 20/06/97 (d m y)

Comments: Lots of organic debris/detritus. Rich!

TOTAL CELLS		RAW COUNT	VOLUME
		1.1 *BACILLARIOPHYTES* (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
FF	3	Fragilaria crotonensis	
		construens 1, 1, 1,	80
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	
CX	2	sp. 1, 1,	5[illegible]
		Stephanodiscus sp.	
		Rhizosolenia	
		Diatoma elongatum	
		Others	
		2.1 *CHRYSO-CRYPTOPHYTES* (Flagellates)	
XX	7	Chromulina sp. 2, 4, 1,	20
CC	3	Chrysochromulina sp. 1, 2,	35
Y=	1	Chryptomonas sp.	[illegible]
CB	1	Chroomonas acuta 1.	200
R=	6	Rhodomonas sp. 1, 2, 2, 1,	1[illegible]
MG	2	Mallomonas sp. 1, 1,	250
		Kephrion sp.	
		Dinobryon sp.	
YZ	66	Small microflagellates 10, 11, 10, 4, 3, 6, [illegible] 4, 11,	10
		Others	
		3.1 *DINOPHYTES* (Dinoflagellates)	
PJ	5	Peridinium sp. 2, 1, 1, 1,	350
GY	13	Gymnodinium sp. 1, 2, 3, 1, 5, 1,	1300
		Others	
		4.1 *CHLOROPHYTES* (Green algae)	
XC	32	Ankistrodesmus sp. 2, 3, 2, 3, 2, 5, 6, [illegible] 2,	80
		Scenedesmus sp.	
		Desmids:	
		Others	
		5.1 *CYANOPHYTES* (Blue-green algae)	
SC	316	Synechococcus (<2um, picoplankton) 15, 15, 30, 25, 20, [illegible] 30, 20, [illegible]	[illegible]
		Anabaena sp.	
PN	48	Oscillatoria sp. 1, 2, [illegible] 4, 3, 4, [illegible] 6, 4, 2,	20
FD	4	Others Chroococcus 1, [illegible]	100

Short-thin

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1995

1	Bacillariophyte	80	AM	Achnanthes sp2
2	Bacillariophyte	100	AN	Achnanthes sp1
3	Bacillariophyte	100	AY	Asterionella formosa var1
4	Bacillariophyte	120	AZ	Asterionella formosa var2
5	Bacillariophyte	200	AX	Asterionella formosa var3
6	Bacillariophyte	200	CP	Cocconeis sp.
7	Bacillariophyte	50	LO	Cyclotella comta var3
8	Bacillariophyte	250	CU	Cyclotella comta var1
9	Bacillariophyte	500	CZ	Cyclotella comta var2
10	Bacillariophyte	50	CV	Cyclotella stelligera var1
11	Bacillariophyte	100	CR	Cyclotella stelligera var2
12	Bacillariophyte	150	CS	Cyclotella stelligera var3
13	Bacillariophyte	50	CX	Cyclotella sp3
14	Bacillariophyte	150	CT	Cyclotella sp2
15	Bacillariophyte	200	CN	Cymbella sp1
16	Bacillariophyte	250	CE	Cymbella sp2
17	Bacillariophyte	300	CI	Cymbella sp5
18	Bacillariophyte	350	CY	Cymbella sp3
19	Bacillariophyte	500	CO	Cymbella sp4
20	Bacillariophyte	50	DE	Diatoma elongatum var1
21	Bacillariophyte	80	DH	Diatoma elongatum var3
22	Bacillariophyte	100	DG	Diatoma elongatum var2
23	Bacillariophyte	150	DF	Diatoma sp.
24	Bacillariophyte	100	EU	Eunotia sp1
25	Bacillariophyte	200	EV	Eunotia sp2
26	Bacillariophyte	250	EW	Eunotia sp3
27	Bacillariophyte	300	EX	Eunotia sp4
28	Bacillariophyte	60	FD	Fragillaria capucina var2
29	Bacillariophyte	80	FB	Fragillaria capucina var1
30	Bacillariophyte	60	FE	Fragillaria construens var3
31	Bacillariophyte	80	FF	Fragillaria construens var2
32	Bacillariophyte	120	FC	Fragillaria crotonensis
33	Bacillariophyte	9999	FS	Fragillaria sp.
34	Bacillariophyte	250	MC	Melosira distans
35	Bacillariophyte	200	MI	Melosira italica var1
36	Bacillariophyte	250	MJ	Melosira italica var2
37	Bacillariophyte	9999	MR	Melosira sp.
38	Bacillariophyte	200	NE	Navicula sp4
39	Bacillariophyte	250	NB	Navicula sp2
40	Bacillariophyte	300	NF	Navicula sp5
41	Bacillariophyte	350	ND	Navicula sp3
42	Bacillariophyte	500	NC	Navicula sp1
43	Bacillariophyte	100	NY	Nitzschia sp3
44	Bacillariophyte	150	NX	Nitzschia sp2
45	Bacillariophyte	200	NZ	Nitzschia sp1
46	Bacillariophyte	100	RC	Rhizosolenia sp1
47	Bacillariophyte	200	RD	Rhizosolenia sp2
48	Bacillariophyte	50	SE	Stephanodiscus sp1
49	Bacillariophyte	500	SF	Stephanodiscus sp2
50	Bacillariophyte	1000	SB	Stephanodiscus sp4
51	Bacillariophyte	1500	SG	Stephanodiscus sp3
52	Bacillariophyte	700	SW	Suriella sp.
53	Bacillariophyte	100	SN	Synedra acus var1
54	Bacillariophyte	120	SQ	Synedra arcus var3
55	Bacillariophyte	150	SL	Synedra arcus var4
56	Bacillariophyte	200	SO	Synedra arcus var2
57	Bacillariophyte	500	SV	Synedra ulna var2
58	Bacillariophyte	1000	SU	Synedra ulna var1
59	Bacillariophyte	50	SH	Synedra sp4
60	Bacillariophyte	100	SD	Synedra sp6
61	Bacillariophyte	200	SP	Synedra sp1
62	Bacillariophyte	250	SR	Synedra sp3
63	Bacillariophyte	500	TF	Tabellaria fenestrata var1
64	Bacillariophyte	1000	TG	Tabellaria fenestrata var2
65	Bacillariophyte	400	TA	Tabellaria flocculosa var2
66	Bacillariophyte	500	TB	Tabellaria flocculosa var1
71	Chryso-cryptophyte	100	BQ	Bitrichia sp3
72	Chryso-cryptophyte	20	XX	Chromulina sp1
73	Chryso-cryptophyte	50	XY	Chromulina sp3
74	Chryso-cryptophyte	100	CD	Chroomonas acuta var3
75	Chryso-cryptophyte	150	CA	Chroomonas acuta var1
76	Chryso-cryptophyte	200	CB	Chroomonas acuta var2
77	Chryso-cryptophyte	40	HC	Chrysoikos sp1
78	Chryso-cryptophyte	200	HD	Chrysoikos sp2
79	Chryso-cryptophyte	500	YQ	Chryptomonas sp1
80	Chryso-cryptophyte	700	YO	Chryptomonas sp4
81	Chryso-cryptophyte	750	YN	Chryptomonas sp6
82	Chryso-cryptophyte	1000	YR	Chryptomonas sp5

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83	Chryso-cryptophyte	75	CC	Chrysochromulina sp.
84	Chryso-cryptophyte	150	RY	Chrysococcus sp.
85	Chryso-cryptophyte	100	DY	Dinobryon succium
86	Chryso-cryptophyte	100	DC	Dinobryon cysts
87	Chryso-cryptophyte	150	DN	Dinobryon sp2
88	Chryso-cryptophyte	200	DO	Dinobryon sp5
89	Chryso-cryptophyte	250	DP	Dinobryon sp6
90	Chryso-cryptophyte	350	DQ	Dinobryon sp7
91	Chryso-cryptophyte	40	KB	Kephyrion sp2
92	Chryso-cryptophyte	50	KA	Kephyrion sp1
93	Chryso-cryptophyte	80	KC	Kephyrion sp3
94	Chryso-cryptophyte	100	KD	Kephyrion sp4
95	Chryso-cryptophyte	200	MK	Mallomonas sp7
96	Chryso-cryptophyte	350	MF	Mallomonas sp8
97	Chryso-cryptophyte	500	MH	Mallomonas sp5
98	Chryso-cryptophyte	700	MN	Mallomonas sp4
99	Chryso-cryptophyte	750	MG	Mallomonas sp6
100	Chryso-cryptophyte	1500	ML	Mallomonas sp1
101	Chryso-cryptophyte	10	YZ	Small microflagellates
102	Chryso-cryptophyte	60	RM	Rhodomonas sp1
103	Chryso-cryptophyte	80	RN	Rhodomonas sp2
104	Chryso-cryptophyte	100	RO	Rhodomonas sp3
105	Chryso-cryptophyte	10000	YE	Cerathium sp1
111	Dinophyte	100	GT	Gymnodinium sp6
112	Dinophyte	700	GS	Gymnodinium sp10
113	Dinophyte	750	GU	Gymnodinium sp9
114	Dinophyte	1000	GY	Gymnodinium sp1
115	Dinophyte	1500	GZ	Gymnodinium sp2
116	Dinophyte	2000	GV	Gymnodinium sp8
117	Dinophyte	2500	GW	Gymnodinium sp5
118	Dinophyte	4000	GX	Gymnodinium sp7
119	Dinophyte	5000	GR	Gymnodinium sp6
120	Dinophyte	350	PJ	Peridinium sp4
121	Dinophyte	450	PK	Peridinium sp3
131	Chlorophyte	60	XB	Ankistrodesmus sp4
132	Chlorophyte	80	XC	Ankistrodesmus sp3
133	Chlorophyte	100	XA	Ankistrodesmus sp2
134	Chlorophyte	120	XD	Ankistrodesmus sp5
135	Chlorophyte	5000	YF	Ceratium sp2
136	Chlorophyte	75	IC	Chadatella sp1
137	Chlorophyte	100	ID	Chadatella sp2
138	Chlorophyte	700	MY	Clamydocampsa sp.
139	Chlorophyte	2000	LI	Closterium limneticum
140	Chlorophyte	200	CJ	Cosmarium sp1
141	Chlorophyte	250	CM	Cosmarium sp2
142	Chlorophyte	500	XO	Cosmarium sp3
143	Chlorophyte	100	XT	Crucigenia sp.
144	Chlorophyte	500	DM	Desmids
145	Chlorophyte	20	DD	Dichtyosphaerium sp1
146	Chlorophyte	50	DS	Dichtyosphaerium sp2
147	Chlorophyte	300	DU	Dichtyosphaerium sp3
148	Chlorophyte	100	EK	Elakatothrix sp1
149	Chlorophyte	200	EL	Elakatothrix sp2
150	Chlorophyte	1000	EE	Euglena sp1
151	Chlorophyte	2000	EF	Euglena sp2
152	Chlorophyte	3000	ED	Euglena sp3
153	Chlorophyte	4000	EG	Euglena sp4
154	Chlorophyte	500	CF	Filaments
155	Chlorophyte	150	HE	Hemitoma sp.
156	Chlorophyte	5000	MA	Micrasterias sp.
157	Chlorophyte	500	OO	Oocystis sp.
158	Chlorophyte	100	QB	Quadrigula sp2
159	Chlorophyte	200	QA	Quadrigula sp1
160	Chlorophyte	60	SI	Scenedesmus sp1
161	Chlorophyte	100	SJ	Scenedesmus sp2
162	Chlorophyte	200	SK	Scenedesmus sp3
163	Chlorophyte	60	SA	Selenastrum sp.
164	Chlorophyte	2000	XN	Xanthidium sp.
171	Cyanophyte	100	AA	Anabaena sp2
172	Cyanophyte	200	AB	Anabaena sp1
173	Cyanophyte	100	CK	Chroococcus minuta var1
174	Cyanophyte	150	CL	Chroococcus minuta var2
175	Cyanophyte	20	MS	Merismopedia sp.
176	Cyanophyte	20	ZN	Oscillatoria sp3
177	Cyanophyte	60	ZO	Oscillatoria sp1
178	Cyanophyte	200	ZP	Oscillatoria sp2
179	Cyanophyte	5	SC	Synechococcus sp. (<2 um)

Abercrombie	1	5-May-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	17849958	1.43	187.30	17.85
Abercrombie	1	5-May-95	1	AX	Bacillariophyte	Asterionella formosa var3	200	2	35699916	7.14	750.40	17.85
Abercrombie	1	5-May-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	1	17849958	8.92	751.58	17.85
Abercrombie	1	5-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	5	89249792	13.39	1508.36	17.85
Abercrombie	1	5-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	4	71399832	3.57	524.62	17.85
Abercrombie	1	5-May-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	3	53549872	3.21	451.79	17.85
Abercrombie	1	5-May-95	1	MJ	Bacillariophyte	Melosira italica var2	250	2	35699916	8.92	888.73	17.85
Abercrombie	1	5-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	45	803248128	16.06	4072.19	17.85
Abercrombie	1	5-May-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	8	142799664	28.56	5320.17	17.85
Abercrombie	1	5-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	4	71399832	49.98	7873.69	17.85
Abercrombie	1	5-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	16	285599328	21.42	4549.60	17.85
Abercrombie	1	5-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	6	107099744	37.48	6479.05	17.85
Abercrombie	1	5-May-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	42	749698240	29.99	6928.24	17.85
Abercrombie	1	5-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	84	1499396480	14.99	4170.00	17.85
Abercrombie	1	5-May-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	11	196349536	19.63	4013.01	17.85
Abercrombie	1	5-May-95	1	PJ	Dinophyte	Peridinium sp4	350	4	71399832	24.99	4319.37	17.85
Abercrombie	1	5-May-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	2	35699916	2.86	601.40	17.85
Abercrombie	1	5-May-95	1	ZP	Cyanophyte	Oscillatoria sp2	200	1	17849958	3.57	665.02	17.85
Abercrombie	1	5-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	110	1963495424	9.82	2995.65	17.85
Abercrombie	1	27-Jun-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	1	17849958	8.92	751.58	17.85
Abercrombie	1	27-Jun-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	7	124949704	18.74	2111.70	17.85
Abercrombie	1	27-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	107099744	5.35	786.93	17.85
Abercrombie	1	27-Jun-95	1	CI	Bacillariophyte	Cymbella sp5	300	1	17849958	5.35	510.24	17.85
Abercrombie	1	27-Jun-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	1	17849958	1.07	150.60	17.85
Abercrombie	1	27-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	17	303449260	6.07	1536.38	17.85
Abercrombie	1	27-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	7	124949704	24.99	4655.15	17.85
Abercrombie	1	27-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	5	89249792	6.69	1421.75	17.85
Abercrombie	1	27-Jun-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	95	1695746048	593.51	102584.96	17.85
Abercrombie	1	27-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	17	303449260	12.14	2804.29	17.85
Abercrombie	1	27-Jun-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	1	17849958	13.39	2089.65	17.85
Abercrombie	1	27-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	47	838948032	8.39	2333.22	17.85
Abercrombie	1	27-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	4	71399832	7.14	1459.28	17.85
Abercrombie	1	27-Jun-95	1	GR	Dinophyte	Gymnodinium sp8	5000	1	17849958	89.25	10808.35	17.85
Abercrombie	1	27-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	1	17849958	6.25	1079.84	17.85
Abercrombie	1	27-Jun-95	1	XO	Chlorophyte	Cosmarium sp3	500	1	17849958	8.92	1470.75	17.85
Abercrombie	1	27-Jun-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	1	17849958	5.35	944.86	17.85
Abercrombie	1	27-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	36	642596464	3.21	980.40	17.85
Abercrombie	1	30-Jul-95	1	AM	Bacillariophyte	Achnanthes sp2	80	5	74374832	5.95	780.43	14.87
Abercrombie	1	30-Jul-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	1	14874966	7.44	626.32	14.87
Abercrombie	1	30-Jul-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	3	44624898	8.69	754.16	14.87
Abercrombie	1	30-Jul-95	1	CX	Bacillariophyte	Cyclotella sp3	50	12	178499584	8.92	1311.55	14.87
Abercrombie	1	30-Jul-95	1	MJ	Bacillariophyte	Melosira italica var2	250	4	59499664	14.87	1481.21	14.87
Abercrombie	1	30-Jul-95	1	SB	Bacillariophyte	Stephanodiscus sp4	1000	1	14874966	14.87	1059.34	14.87
Abercrombie	1	30-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	29	431374016	8.63	2186.92	14.87
Abercrombie	1	30-Jul-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	16	237999456	47.60	8666.95	14.87
Abercrombie	1	30-Jul-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	1	14874966	10.41	1640.35	14.87
Abercrombie	1	30-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	15	223124496	16.73	3554.37	14.87
Abercrombie	1	30-Jul-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	1	14874966	1.49	304.02	14.87
Abercrombie	1	30-Jul-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	3	44624898	15.62	2699.60	14.87
Abercrombie	1	30-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	29	431374016	17.25	3986.49	14.87
Abercrombie	1	30-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	83	1234622208	12.35	3433.64	14.87
Abercrombie	1	30-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	104124760	10.41	2128.11	14.87
Abercrombie	1	30-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	3	44624898	15.62	2699.60	14.87
Abercrombie	1	30-Jul-95	1	YF	Chlorophyte	Ceratium sp2	5000	1	14874966	74.37	9006.96	14.87
Abercrombie	1	30-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	190	2826243584	14.13	4311.93	14.87
Abercrombie	1	30-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	17849958	1.43	187.30	17.85
Abercrombie	1	30-Aug-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	1	17849958	8.92	751.58	17.85
Abercrombie	1	30-Aug-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	5	89249792	13.39	1508.36	17.85
Abercrombie	1	30-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	7	124949704	6.25	918.08	17.85
Abercrombie	1	30-Aug-95	1	MJ	Bacillariophyte	Melosira italica var2	250	3	53549872	13.39	1333.09	17.85
Abercrombie	1	30-Aug-95	1	SB	Bacillariophyte	Stephanodiscus sp4	1000	1	17849958	17.85	1271.20	17.85
Abercrombie	1	30-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	21	374849120	7.50	1900.36	17.85
Abercrombie	1	30-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	9	160549616	32.13	5985.19	17.85
Abercrombie	1	30-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	7	124949704	9.37	1990.45	17.85
Abercrombie	1	30-Aug-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	1	17849958	1.78	364.82	17.85
Abercrombie	1	30-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	5	89249792	3.57	824.79	17.85
Abercrombie	1	30-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	90	1606496256	16.06	4467.86	17.85
Abercrombie	1	30-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	1	17849958	1.78	364.82	17.85
Abercrombie	1	30-Aug-95	1	GT	Dinophyte	Gymnodinium sp2	700	1	17849958	1.78	364.82	17.85
Abercrombie	1	30-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	1	17849958	1.78	364.82	17.85
Abercrombie	1	30-Aug-95	1	MY	Chlorophyte	Clamydocampsa sp.	700	1	17849958	6.25	1079.84	17.85
Abercrombie	1	30-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	1	17849958	12.49	1968.42	17.85
Abercrombie	1	30-Aug-95	1	HE	Chlorophyte	Hemitoma sp.	150	2	35699916	10.71	1889.73	17.85
Abercrombie	1	30-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	115	2052745216	10.26	3131.82	17.85
Beaver	1	3-May-95	1	AM	Bacillariophyte	Achnanthes sp2	80	4	47599888	3.81	499.46	11.90
Beaver	1	3-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	11899972	1.78	201.11	11.90
Beaver	1	3-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	3	35699916	1.78	262.31	11.90
Beaver	1	3-May-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	2	23799944	1.43	200.80	11.90
Beaver	1	3-May-95	1	MJ	Bacillariophyte	Melosira italica var2	250	1	11899972	2.97	296.24	11.90
Beaver	1	3-May-95	1	NF	Bacillariophyte	Navicula sp6	300	1	11899972	3.57	340.16	11.90
Beaver	1	3-May-95	1	NY	Bacillariophyte	Nitzschia sp3	100	1	11899972	1.19	147.89	11.90
Beaver	1	3-May-95	1	TF	Bacillariophyte	Tabellaria fenestrata var1	500	1	11899972	5.95	501.05	11.90
Beaver	1	3-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	8	95199776	1.90	482.63	11.90
Beaver	1	3-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	1	11899972	8.33	1312.28	11.90
Beaver	1	3-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	12	142799664	10.71	2274.80	11.90
Beaver	1	3-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	4	47599888	16.66	2879.58	11.90
Beaver	1	3-May-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	2	23799944	0.95	219.94	11.90
Beaver	1	3-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	9	107099744	1.07	297.86	11.90
Beaver	1	3-May-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	11899972	11.90	1787.34	11.90
Beaver	1	3-May-95	1	PJ	Dinophyte	Peridinium sp4	350	2	23799944	8.33	1439.79	11.90
Beaver	1	3-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	115	1368496768	6.84	2057.88	11.90
Beaver	1	23-Jun-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	25499942	2.04	267.58	25.50
Beaver	1	23-Jun-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	2	50999884	7.65	861.92	25.50

Beaver	1	23-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	10	254999424	12.75	1873.64	25.50
Beaver	1	23-Jun-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	4	101999768	10.20	1267.61	25.50
Beaver	1	23-Jun-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	2	50999884	3.06	430.28	25.50
Beaver	1	23-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	30	764998272	15.30	3878.28	25.50
Beaver	1	23-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	10	254999424	51.00	9500.31	25.50
Beaver	1	23-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	34	866998016	65.02	13811.28	25.50
Beaver	1	23-Jun-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	10	254999424	25.50	5211.70	25.50
Beaver	1	23-Jun-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	43	1096497536	383.77	66333.14	25.50
Beaver	1	23-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	12	305999296	12.24	2827.85	25.50
Beaver	1	23-Jun-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	4	101999768	76.50	11940.85	25.50
Beaver	1	23-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	88	2243994880	22.44	6240.82	25.50
Beaver	1	23-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	178499600	17.85	3648.19	25.50
Beaver	1	23-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	8	203999536	71.40	12341.05	25.50
Beaver	1	23-Jun-95	1	XT	Chlorophyte	Crucigenia sp.	100	1	25499942	2.55	521.17	25.50
Beaver	1	23-Jun-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	2	50999884	15.30	2699.61	25.50
Beaver	1	23-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	395	10072476672	50.38	15367.32	25.50
Beaver	1	30-Jul-95	1	AM	Bacillariophyte	Achnanthes sp2	80	4	71399832	5.71	749.21	17.85
Beaver	1	30-Jul-95	1	CX	Bacillariophyte	Cyclotella sp3	50	4	71399832	3.57	524.62	17.85
Beaver	1	30-Jul-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	2	35699916	3.57	443.66	17.85
Beaver	1	30-Jul-95	1	NF	Bacillariophyte	Navicula sp5	300	1	17849958	5.35	510.24	17.85
Beaver	1	30-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	19	339149216	6.78	1719.37	17.85
Beaver	1	30-Jul-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	3	53549872	37.48	5905.27	17.85
Beaver	1	30-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	51	910347840	68.28	14501.84	17.85
Beaver	1	30-Jul-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	2	35699916	3.57	729.64	17.85
Beaver	1	30-Jul-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	20	356999168	124.95	21596.83	17.85
Beaver	1	30-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	19	339149216	13.57	3134.21	17.85
Beaver	1	30-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	62	1106697344	11.07	3077.86	17.85
Beaver	1	30-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	3	53549872	5.35	1094.46	17.85
Beaver	1	30-Jul-95	1	GY	Dinophyte	Gymnodinium sp1	1000	2	35699916	35.70	5362.01	17.85
Beaver	1	30-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	18	321299232	112.45	19437.15	17.85
Beaver	1	30-Jul-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	2	35699916	2.86	601.40	17.85
Beaver	1	30-Jul-95	1	XO	Chlorophyte	Cosmarium sp3	500	2	35699916	17.85	2941.50	17.85
Beaver	1	30-Jul-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	2	35699916	10.71	1889.73	17.85
Beaver	1	30-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	190	3391492096	16.96	5174.31	17.85
Beaver	1	29-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	3	78499824	3.82	582.09	25.50
Beaver	1	29-Aug-95	1	NY	Bacillariophyte	Nitzschia sp3	100	1	25499942	2.55	316.90	25.50
Beaver	1	29-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	8	203999536	4.08	1034.21	25.50
Beaver	1	29-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	8	203999536	40.80	7600.25	25.50
Beaver	1	29-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	26	662996464	49.72	10561.57	25.50
Beaver	1	29-Aug-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	4	101999768	10.20	2084.68	25.50
Beaver	1	29-Aug-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	5	127499712	44.62	7713.16	25.50
Beaver	1	29-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	21	535498784	21.42	4948.75	25.50
Beaver	1	29-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	36	917997888	9.18	2553.06	25.50
Beaver	1	29-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	4	101999768	102.00	15320.03	25.50
Beaver	1	29-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	10	254999424	89.25	15426.31	25.50
Beaver	1	29-Aug-95	1	XT	Chlorophyte	Crucigenia sp.	100	2	50999884	5.10	1042.34	25.50
Beaver	1	29-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	2	50999884	15.30	2699.61	25.50
Beaver	1	29-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	465	11857473536	59.29	18090.64	25.50
Dark	1	2-May-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	11156224	0.89	117.06	11.16
Dark	1	2-May-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	2	22312448	11.16	939.48	11.16
Dark	1	2-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	5	55781120	8.37	942.72	11.16
Dark	1	2-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	3	33468672	1.67	245.92	11.16
Dark	1	2-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	15	167343360	3.35	848.37	11.16
Dark	1	2-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	3	33468672	23.43	3690.79	11.16
Dark	1	2-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	9	100406016	7.53	1599.47	11.16
Dark	1	2-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	1	11156224	3.90	674.90	11.16
Dark	1	2-May-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	1	11156224	0.45	103.10	11.16
Dark	1	2-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	28	290061824	2.90	806.70	11.16
Dark	1	2-May-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	11156224	11.16	1675.63	11.16
Dark	1	2-May-95	1	PJ	Dinophyte	Peridinium sp4	350	1	11156224	3.90	674.90	11.16
Dark	1	2-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	135	1506090240	7.53	2297.80	11.16
Dark	1	26-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	2	35699916	1.78	262.31	17.85
Dark	1	26-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	84	1499396480	29.99	7601.42	17.85
Dark	1	26-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	5	89249792	17.85	3325.11	17.85
Dark	1	26-Jun-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	2	35699916	24.99	3936.85	17.85
Dark	1	26-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	45	803248128	60.24	12795.74	17.85
Dark	1	26-Jun-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	1	17849958	6.25	1079.84	17.85
Dark	1	26-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	2	35699916	1.43	329.92	17.85
Dark	1	26-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	131	2336944448	23.36	3503.22	17.85
Dark	1	26-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	15	267749376	26.77	5472.28	17.85
Dark	1	26-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	21	374849120	131.20	22676.68	17.85
Dark	1	26-Jun-95	1	XT	Chlorophyte	Crucigenia sp.	100	1	17849958	1.78	364.62	17.85
Dark	1	26-Jun-95	1	EL	Chlorophyte	Elakatothrix sp2	200	8	142799664	28.56	5320.17	17.85
Dark	1	26-Jun-95	1	ED	Chlorophyte	Euglena sp3	3000	3	53549872	160.65	20831.03	17.85
Dark	1	26-Jun-95	1	MS	Cyanophyte	Merismopedia sp.	20	2	35699916	0.71	180.99	17.85
Dark	1	28-Jul-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	11899972	0.95	124.87	11.90
Dark	1	28-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	33	392699072	7.85	1990.85	11.90
Dark	1	28-Jul-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	1	11899972	8.33	1312.28	11.90
Dark	1	28-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	15	178499584	13.39	2843.50	11.90
Dark	1	28-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	13	154699632	5.19	1429.64	11.90
Dark	1	28-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	52	618798528	6.19	1720.95	11.90
Dark	1	28-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	3	35699916	3.57	729.64	11.90
Dark	1	28-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	3	35699916	12.49	2159.68	11.90
Dark	1	28-Jul-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	1	11899972	0.95	200.47	11.90
Dark	1	28-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	110	1308998664	6.54	1997.10	11.90
Dark	1	30-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	2	23799944	1.90	249.74	11.90
Dark	1	30-Aug-95	1	LO	Bacillariophyte	Cyclotella comta var3	50	4	47599888	2.38	349.75	11.90
Dark	1	30-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	36	428398976	8.57	2171.83	11.90
Dark	1	30-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	13	154699632	30.94	5763.52	11.90
Dark	1	30-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	10	118999720	8.92	1895.67	11.90
Dark	1	30-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	9	107099744	4.28	969.75	11.90
Dark	1	30-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	88	1047197568	10.47	2912.38	11.90
Dark	1	30-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	10	118999720	11.90	2432.13	11.90

Dark	1	30-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	12	142799664	49.98	8638.73	11.90
Dark	1	30-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	21	249899408	19.99	4209.79	11.90
Dark	1	30-Aug-95	1	LI	Chlorophyte	Closterium limneticum	2000	1	11899972	23.80	3258.10	11.90
Dark	1	30-Aug-95	1	MS	Cyanophyte	Merismopedia sp.	20	4	47599888	0.95	241.31	11.90
Dark	1	30-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	165	1963495424	9.82	2995.65	11.90
Lower Horseshoe	1	3-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	3	35699916	1.78	262.31	11.90
Lower Horseshoe	1	3-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	37	440298976	8.81	2232.15	11.90
Lower Horseshoe	1	3-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	25	297499296	208.25	32807.05	11.90
Lower Horseshoe	1	3-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	15	178499584	13.39	2843.50	11.90
Lower Horseshoe	1	3-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	1	11899972	4.16	719.89	11.90
Lower Horseshoe	1	3-May-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	1	11899972	8.92	1393.10	11.90
Lower Horseshoe	1	3-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	62	737795272	7.38	2051.91	11.90
Lower Horseshoe	1	3-May-95	1	PJ	Dinophyte	Peridinium sp4	350	2	23799944	8.33	1439.79	11.90
Lower Horseshoe	1	3-May-95	1	ED	Chlorophyte	Euglena sp3	3000	5	59499860	178.50	23145.59	11.90
Lower Horseshoe	1	3-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	510	6068965856	30.34	9259.30	11.90
Lower Horseshoe	1	23-Jun-95	1	NF	Bacillariophyte	Navicula sp5	300	1	89249792	26.77	2551.19	89.25
Lower Horseshoe	1	23-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	6	535498752	10.71	2714.79	89.25
Lower Horseshoe	1	23-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	4	356999168	26.77	5687.00	89.25
Lower Horseshoe	1	23-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	1	89249792	31.24	5399.21	89.25
Lower Horseshoe	1	23-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	1000	89249792000	446.25	136166.13	89.25
Lower Horseshoe	1	28-Jul-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	89249792	89.25	13405.02	89.25
Lower Horseshoe	1	28-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	1	89249792	31.24	5399.21	89.25
Lower Horseshoe	1	28-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	3550	3.16837E+11	1584.18	483389.77	89.25
Lower Horseshoe	1	28-Jul-95	1	AM	Bacillariophyte	Achnanthes sp2	80	3	107099744	8.57	1123.62	35.70
Lower Horseshoe	1	28-Jul-95	1	CX	Bacillariophyte	Cyclotella sp3	50	2	71399832	3.57	524.62	35.70
Lower Horseshoe	1	28-Jul-95	1	NF	Bacillariophyte	Navicula sp5	300	2	71399832	21.42	2040.95	35.70
Lower Horseshoe	1	28-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	20	713998336	14.28	3619.72	35.70
Lower Horseshoe	1	28-Jul-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	2	71399832	49.98	7873.69	35.70
Lower Horseshoe	1	28-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	5	178499584	13.39	2843.50	35.70
Lower Horseshoe	1	28-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	3	107099744	4.28	989.75	35.70
Lower Horseshoe	1	28-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	36	1285199928	12.85	3574.29	35.70
Lower Horseshoe	1	28-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	2	71399832	7.14	1459.28	35.70
Lower Horseshoe	1	28-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	2	71399832	24.99	4319.37	35.70
Lower Horseshoe	1	28-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	400	14279666720	71.40	21786.58	35.70
Upper Horseshoe	1	3-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	10	118999720	17.85	2011.14	11.90
Upper Horseshoe	1	3-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	1	11899972	0.59	67.44	11.90
Upper Horseshoe	1	3-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	21	249899408	5.00	1266.90	11.90
Upper Horseshoe	1	3-May-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	6	71399832	14.28	2680.09	11.90
Upper Horseshoe	1	3-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	134	1594596224	1116.22	175645.77	11.90
Upper Horseshoe	1	3-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	39	464098912	34.81	7393.10	11.90
Upper Horseshoe	1	3-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	1	11899972	4.16	719.89	11.90
Upper Horseshoe	1	3-May-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	8	95199776	71.40	11144.79	11.90
Upper Horseshoe	1	3-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	22	261799392	2.62	728.10	11.90
Upper Horseshoe	1	3-May-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	83299808	8.33	1702.49	11.90
Upper Horseshoe	1	3-May-95	1	PJ	Dinophyte	Peridinium sp4	350	5	59499860	20.82	3599.47	11.90
Upper Horseshoe	1	3-May-95	1	SA	Chlorophyte	Selenastrum sp.	60	4	47599888	2.86	624.99	11.90
Upper Horseshoe	1	3-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	27	321299232	1.61	490.20	11.90
Upper Horseshoe	1	23-Jun-95	1	AM	Bacillariophyte	Achnanthes sp2	80	18	321299232	25.70	3371.46	17.85
Upper Horseshoe	1	23-Jun-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	3	53549872	26.77	2254.75	17.85
Upper Horseshoe	1	23-Jun-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	6	107099744	16.06	1810.03	17.85
Upper Horseshoe	1	23-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	2	35699916	1.78	262.31	17.85
Upper Horseshoe	1	23-Jun-95	1	CI	Bacillariophyte	Cymbella sp5	300	1	17849958	5.35	510.24	17.85
Upper Horseshoe	1	23-Jun-95	1	EX	Bacillariophyte	Eunotia sp4	300	6	107099744	32.13	3061.42	17.85
Upper Horseshoe	1	23-Jun-95	1	SO	Bacillariophyte	Synedra arcus var2	200	5	89249792	17.85	1875.99	17.85
Upper Horseshoe	1	23-Jun-95	1	TF	Bacillariophyte	Tabellaria fenestrata var1	500	1	17849958	8.92	751.58	17.85
Upper Horseshoe	1	23-Jun-95	1	TB	Bacillariophyte	Tabellaria flocculosa var1	500	4	71399832	35.70	3008.33	17.85
Upper Horseshoe	1	23-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	44	785398144	15.71	3961.70	17.85
Upper Horseshoe	1	23-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	15	178499584	35.70	6030.21	17.85
Upper Horseshoe	1	23-Jun-95	1	YN	Chryso-cryptophyte	Chryptomonas sp6	750	9	160649616	120.49	16806.53	17.85
Upper Horseshoe	1	23-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	44	785398144	58.90	12511.39	17.85
Upper Horseshoe	1	23-Jun-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	4	71399832	24.99	4319.37	17.85
Upper Horseshoe	1	23-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	5	89249792	3.57	824.79	17.85
Upper Horseshoe	1	23-Jun-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	2	35699916	26.77	4179.30	17.85
Upper Horseshoe	1	23-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	57	1017447616	10.17	2829.65	17.85
Upper Horseshoe	1	23-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	2	35699916	3.57	729.64	17.85
Upper Horseshoe	1	23-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	7	124949704	43.73	7558.89	17.85
Upper Horseshoe	1	23-Jun-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	1	17849958	1.43	300.70	17.85
Upper Horseshoe	1	23-Jun-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	4	71399832	21.42	3779.46	17.85
Upper Horseshoe	1	23-Jun-95	1	CZ	Cyanophyte	Oscillatoria sp2	200	1	17849965	3.57	665.02	17.85
Upper Horseshoe	1	23-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	47	838948032	4.19	1279.96	17.85
Upper Horseshoe	1	30-Jul-95	1	AM	Bacillariophyte	Achnanthes sp2	80	4	47599888	3.81	499.48	11.90
Upper Horseshoe	1	30-Jul-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	11899972	1.78	201.11	11.90
Upper Horseshoe	1	30-Jul-95	1	TB	Bacillariophyte	Tabellaria flocculosa var1	500	2	23799944	11.90	1002.11	11.90
Upper Horseshoe	1	30-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	19	226099472	4.52	1146.25	11.90
Upper Horseshoe	1	30-Jul-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	2	23799944	4.76	886.70	11.90
Upper Horseshoe	1	30-Jul-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	2	23799944	16.66	2624.56	11.90
Upper Horseshoe	1	30-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	11	130899696	9.82	2086.23	11.90
Upper Horseshoe	1	30-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	9	107099744	4.28	989.75	11.90
Upper Horseshoe	1	30-Jul-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	2	23799944	17.85	2786.20	11.90
Upper Horseshoe	1	30-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	38	452199944	4.52	1257.62	11.90
Upper Horseshoe	1	30-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	2	23799944	2.38	486.43	11.90
Upper Horseshoe	1	30-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	3	35699916	12.49	2159.68	11.90
Upper Horseshoe	1	30-Jul-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	2	23799944	1.90	400.93	11.90
Upper Horseshoe	1	30-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	155	1844995616	9.22	2814.10	11.90
Upper Horseshoe	1	29-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	21	535498784	42.84	5619.11	25.50
Upper Horseshoe	1	29-Aug-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	25499942	3.82	430.96	25.50
Upper Horseshoe	1	29-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	1	25499942	1.27	187.36	25.50
Upper Horseshoe	1	29-Aug-95	1	NF	Bacillariophyte	Navicula sp5	300	3	76499824	22.95	2186.73	25.50
Upper Horseshoe	1	29-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	23	586498688	11.73	2973.35	25.50
Upper Horseshoe	1	29-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	8	203999536	40.80	7600.25	25.50
Upper Horseshoe	1	29-Aug-95	1	HD	Chryso-cryptophyte	Chrysolkos sp2	200	13	331499232	66.30	12350.40	25.50
Upper Horseshoe	1	29-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	4	101999768	71.40	11248.13	25.50
Upper Horseshoe	1	29-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	33	841498112	63.11	13405.07	25.50

Upper Horseshoe	1	29-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	2	50999684	2.04	471.31	25.50
Upper Horseshoe	1	29-Aug-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	1	25499842	19.12	2985.21	25.50
Upper Horseshoe	1	29-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	22	560998720	5.61	1560.21	25.50
Upper Horseshoe	1	29-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	4	101999768	10.20	2084.68	25.50
Upper Horseshoe	1	29-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	7	178499600	178.50	26810.05	25.50
Upper Horseshoe	1	29-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	19	484498912	169.57	29309.99	25.50
Upper Horseshoe	1	29-Aug-95	1	CF	Chlorophyte	Filaments	500	6	152999648	76.50	12606.44	25.50
Upper Horseshoe	1	29-Aug-95	1	MA	Chlorophyte	Micrasterias sp.	5000	1	25499842	127.50	15440.50	25.50
Upper Horseshoe	1	29-Aug-95	1	XN	Chlorophyte	Xanthidium sp.	2000	4	101999768	204.00	27926.57	25.50
Upper Horseshoe	1	29-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	15	382499136	1.91	583.57	25.50
Island	1	1-May-95	1	AM	Bacillariophyte	Achnanthes sp2	80	1	35699916	2.86	374.61	35.70
Island	1	1-May-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	4	142799664	71.40	6012.66	35.70
Island	1	1-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	4	142799664	21.42	2413.37	35.70
Island	1	1-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	4	142799664	7.14	1049.24	35.70
Island	1	1-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	52	1856395648	37.13	9411.28	35.70
Island	1	1-May-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	4	142799664	28.56	5320.17	35.70
Island	1	1-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	5	178499584	124.95	19684.23	35.70
Island	1	1-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	46	1642196096	123.16	26160.18	35.70
Island	1	1-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	47	1677896064	587.28	101505.12	35.70
Island	1	1-May-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	6	214199488	8.57	1979.50	35.70
Island	1	1-May-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	4	142799664	107.10	16717.18	35.70
Island	1	1-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	114	4069790464	40.70	11318.58	35.70
Island	1	1-May-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	3	107099744	10.71	2188.91	35.70
Island	1	1-May-95	1	GY	Dinophyte	Gymnodinium sp1	1000	5	178499584	178.50	26810.04	35.70
Island	1	1-May-95	1	PJ	Dinophyte	Peridinium sp4	350	19	678298432	237.40	41033.99	35.70
Island	1	1-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	24	856797952	4.28	1307.19	35.70
Island	1	26-Jun-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	3	35699916	5.35	603.34	11.90
Island	1	26-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	71399832	3.57	524.62	11.90
Island	1	26-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	56	666398464	13.33	3378.41	11.90
Island	1	26-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	23	273699360	54.74	10197.00	11.90
Island	1	26-Jun-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	3	35699916	24.99	3936.85	11.90
Island	1	26-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	37	440298976	33.02	7013.96	11.90
Island	1	26-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	5	59499860	2.38	549.86	11.90
Island	1	26-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	75	892497920	8.92	2482.15	11.90
Island	1	26-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	4	47599688	4.76	972.85	11.90
Island	1	26-Jun-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	11899972	11.90	1787.34	11.90
Island	1	26-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	24	285599328	99.96	17277.47	11.90
Island	1	26-Jun-95	1	XT	Chlorophyte	Crucigenia sp.	100	15	178499584	17.85	3645.19	11.90
Island	1	26-Jun-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	5	59499860	17.85	3149.55	11.90
Island	1	26-Jun-95	1	EL	Chlorophyte	Elakatothrix sp2	200	3	35699916	7.14	1330.04	11.90
Island	1	26-Jun-95	1	SK	Chlorophyte	Scenedesmus sp3	200	4	47599888	9.52	1773.39	11.90
Island	1	26-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	90	1070997504	5.35	1633.99	11.90
Island	1	28-Jul-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	10	178499584	26.77	3016.71	17.85
Island	1	28-Jul-95	1	CX	Bacillariophyte	Cyclotella sp3	50	16	285599328	14.28	2098.48	17.85
Island	1	28-Jul-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	53	946047744	18.92	4796.14	17.85
Island	1	28-Jul-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	10	178499584	35.70	6650.21	17.85
Island	1	28-Jul-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	21	374849120	28.11	5971.35	17.85
Island	1	28-Jul-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	3	53549872	18.74	3239.52	17.85
Island	1	28-Jul-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	16	285599328	11.42	2639.33	17.85
Island	1	28-Jul-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	80	1427996672	14.28	3971.43	17.85
Island	1	28-Jul-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	27	481948864	48.19	9850.11	17.85
Island	1	28-Jul-95	1	PJ	Dinophyte	Peridinium sp4	350	6	107099744	37.48	6479.05	17.85
Island	1	28-Jul-95	1	XT	Chlorophyte	Crucigenia sp.	100	8	142799664	14.28	2916.55	17.85
Island	1	28-Jul-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	7	124949704	37.48	6614.05	17.85
Island	1	28-Jul-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	165	2945243136	14.73	4493.48	17.85
Island	1	30-Aug-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	17849958	2.68	301.67	17.85
Island	1	30-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	107099744	5.35	768.93	17.85
Island	1	30-Aug-95	1	NF	Bacillariophyte	Navicula sp5	300	1	17849958	5.35	510.24	17.85
Island	1	30-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	28	499798816	10.00	2533.81	17.85
Island	1	30-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	5	89249792	17.85	3325.11	17.85
Island	1	30-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	5	89249792	62.47	9642.11	17.85
Island	1	30-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	12	214199488	16.06	3412.20	17.85
Island	1	30-Aug-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7.	350	4	71399832	24.99	4319.37	17.85
Island	1	30-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	5	89249792	3.57	824.79	17.85
Island	1	30-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	83	1481546496	14.82	4120.36	17.85
Island	1	30-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	16	285599328	28.56	5837.10	17.85
Island	1	30-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	8	142799664	49.96	8639.73	17.85
Island	1	30-Aug-95	1	XT	Chlorophyte	Crucigenia sp.	100	1	17849958	1.78	364.82	17.85
Island	1	30-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	3	53549872	16.06	2834.59	17.85
Island	1	30-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	315	5622736896	28.11	8578.47	17.85
Lilly	1	5-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	17849958	2.68	301.67	17.85
Lilly	1	5-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	107099744	5.35	768.93	17.85
Lilly	1	5-May-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	1	17849958	1.07	150.60	17.85
Lilly	1	5-May-95	1	SO	Bacillariophyte	Synedra arcus var2	200	1	17849958	3.57	375.20	17.85
Lilly	1	5-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	11	196349536	3.93	995.42	17.85
Lilly	1	5-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	1	17849958	12.49	1968.42	17.85
Lilly	1	5-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	5	89249792	6.69	1421.75	17.85
Lilly	1	5-May-95	1	DY	Chryso-cryptophyte	Dinobryon succum	100	17	303449280	30.34	6201.92	17.85
Lilly	1	5-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	4	71399832	24.99	4319.37	17.85
Lilly	1	5-May-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	8	142799664	5.71	1319.67	17.85
Lilly	1	5-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	12	214199488	2.14	595.71	17.85
Lilly	1	5-May-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	1	17849958	1.78	364.82	17.85
Lilly	1	5-May-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	17849958	17.85	2581.00	17.85
Lilly	1	5-May-95	1	PJ	Dinophyte	Peridinium sp4	350	1	17849958	6.25	1079.84	17.85
Lilly	1	5-May-95	1	EK	Chlorophyte	Elakatothrix sp1	100	1	17849958	1.78	364.82	17.85
Lilly	1	5-May-95	1	ED	Chlorophyte	Euglena sp3	3000	1	17849958	53.55	6943.68	17.85
Lilly	1	5-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	455	81217310720	40.61	12391.12	17.85
Lilly	1	26-Jun-95	1	CZ	Bacillariophyte	Cyclotella comta var2	500	1	25499842	12.75	1073.69	25.50
Lilly	1	26-Jun-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	25499842	3.82	430.96	25.50
Lilly	1	26-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	5	127499712	6.37	936.82	25.50
Lilly	1	26-Jun-95	1	SO	Bacillariophyte	Synedra arcus var2	200	21	535498784	107.10	11255.96	25.50
Lilly	1	26-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	71	1810495872	36.21	9178.59	25.50
Lilly	1	26-Jun-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	6	152999648	30.60	5700.18	25.50

Lilly	1	26-Jun-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	6	152999648	107.10	16872.20	25.50
Lilly	1	26-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	140	3569991936	267.75	56869.97	25.50
Lilly	1	26-Jun-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	5	127499712	12.75	2605.85	25.50
Lilly	1	26-Jun-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	14	356999200	124.95	21596.84	25.50
Lilly	1	26-Jun-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	14	356999200	14.28	3299.16	25.50
Lilly	1	26-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	41	1045497600	10.45	2907.66	25.50
Lilly	1	26-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	178499600	17.85	3648.19	25.50
Lilly	1	26-Jun-95	1	GY	Dinophyte	Gymnodinium sp1	1000	2	50999884	51.00	7660.01	25.50
Lilly	1	26-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	12	305999296	107.10	18511.57	25.50
Lilly	1	26-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	200	5099988480	25.50	7780.92	25.50
Lilly	1	1-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	3	53549872	4.28	561.91	17.85
Lilly	1	1-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	107099744	5.35	786.93	17.85
Lilly	1	1-Aug-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	1	17849958	1.07	150.60	17.85
Lilly	1	1-Aug-95	1	SO	Bacillariophyte	Synedra arcus var2	200	5	89249792	17.85	1875.99	17.85
Lilly	1	1-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	77	1374446720	27.49	6967.97	17.85
Lilly	1	1-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	2	35699916	7.14	1330.04	17.85
Lilly	1	1-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	55	981747712	73.63	15639.24	17.85
Lilly	1	1-Aug-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	3	53549872	5.35	1094.45	17.85
Lilly	1	1-Aug-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	33	589048640	205.17	35634.78	17.85
Lilly	1	1-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	75	1338746880	53.55	12371.86	17.85
Lilly	1	1-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	82	1463696512	14.64	4070.72	17.85
Lilly	1	1-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	11	196349536	19.63	4013.01	17.85
Lilly	1	1-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	7	124949704	124.95	18767.03	17.85
Lilly	1	1-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	11	196349536	68.72	11878.26	17.85
Lilly	1	1-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	2	35699916	2.86	601.40	17.85
Lilly	1	1-Aug-95	1	XT	Chlorophyte	Crucigenia sp.	100	2	35699916	3.57	729.64	17.85
Lilly	1	1-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	160	2855993344	14.28	4357.32	17.85
Lilly	1	30-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	1	17849958	0.89	131.15	17.85
Lilly	1	30-Aug-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	1	17849958	1.07	150.60	17.85
Lilly	1	30-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	38	678298432	13.57	3438.74	17.85
Lilly	1	30-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	1	17849958	3.57	665.02	17.85
Lilly	1	30-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	29	517648768	38.82	8246.15	17.85
Lilly	1	30-Aug-95	1	DY	Chryso-cryptophyte	Dinobryon succium	100	33	589048640	56.90	12039.03	17.85
Lilly	1	30-Aug-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	4	71399832	24.99	4319.37	17.85
Lilly	1	30-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	66	1178097280	47.12	10887.24	17.85
Lilly	1	30-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	80	1427996672	14.28	3971.43	17.85
Lilly	1	30-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	124949704	12.49	2553.73	17.85
Lilly	1	30-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	11	196349536	196.35	29421.05	17.85
Lilly	1	30-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	4	71399832	24.99	4319.37	17.85
Lilly	1	30-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	1	17849958	1.43	300.70	17.85
Lilly	1	30-Aug-95	1	XT	Chlorophyte	Crucigenia sp.	100	1	17849958	1.78	364.82	17.85
Lilly	1	30-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	1	17849958	5.35	944.86	17.85
Lilly	1	30-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	170	3034492928	15.17	4629.65	17.85
Mission	1	5-Apr-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	7	156187136	23.43	2639.62	22.31
Mission	1	5-Apr-95	1	CX	Bacillariophyte	Cyclotella sp3	50	2	44624896	2.23	327.89	22.31
Mission	1	5-Apr-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	5	111562240	11.16	1386.44	22.31
Mission	1	5-Apr-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	5	111562240	6.69	941.24	22.31
Mission	1	5-Apr-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	20	446248960	8.92	2262.33	22.31
Mission	1	5-Apr-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	10	223124480	156.19	24605.29	22.31
Mission	1	5-Apr-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	7	156187136	11.71	2488.06	22.31
Mission	1	5-Apr-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	11	245436928	85.90	14847.82	22.31
Mission	1	5-Apr-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	55	1227184640	12.27	3412.95	22.31
Mission	1	5-Apr-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	7	156187136	15.62	3192.17	22.31
Mission	1	5-Apr-95	1	GY	Dinophyte	Gymnodinium sp1	1000	29	647060992	647.06	97186.41	22.31
Mission	1	5-Apr-95	1	PJ	Dinophyte	Peridinium sp4	350	36	803248128	281.14	48592.88	22.31
Mission	1	5-Apr-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	5	111562240	8.92	1879.37	22.31
Mission	1	5-Apr-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	235	5243428260	26.22	7999.76	22.31
Mission	1	26-Jun-95	1	AM	Bacillariophyte	Achnanthes sp2	80	5	107099744	8.57	1123.82	11.90
Mission	1	26-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	4	47599668	2.38	349.75	11.90
Mission	1	26-Jun-95	1	CI	Bacillariophyte	Cymbella sp6	300	1	11899972	3.57	340.16	11.90
Mission	1	26-Jun-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	6	71399832	7.14	887.32	11.90
Mission	1	26-Jun-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	10	118999720	7.14	1003.98	11.90
Mission	1	26-Jun-95	1	SW	Bacillariophyte	Surirella sp.	700	1	11899972	8.33	646.66	11.90
Mission	1	26-Jun-95	1	SD	Bacillariophyte	Synedra sp5	100	1	11899972	1.19	147.89	11.90
Mission	1	26-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	8	95199776	1.90	482.63	11.90
Mission	1	26-Jun-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	3	35699916	24.99	3936.85	11.90
Mission	1	26-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	3	35699916	2.68	568.70	11.90
Mission	1	26-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	29	345099200	3.45	959.76	11.90
Mission	1	26-Jun-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	4	47599668	4.76	972.56	11.90
Mission	1	26-Jun-95	1	GY	Dinophyte	Gymnodinium sp1	1000	6	71399832	71.40	10724.02	11.90
Mission	1	26-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	5	59499860	20.82	3599.47	11.90
Mission	1	26-Jun-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	2	23799944	1.90	400.93	11.90
Mission	1	26-Jun-95	1	DM	Chlorophyte	Desmids	500	1	11899972	5.95	980.50	11.90
Mission	1	26-Jun-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	4	47599668	14.28	2519.64	11.90
Mission	1	26-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	125	1487496448	7.44	2269.44	11.90
Mission	1	1-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	5	178499584	14.28	1873.04	35.70
Mission	1	1-Aug-95	1	CU	Bacillariophyte	Cyclotella comta var1	250	1	35699916	8.92	888.73	35.70
Mission	1	1-Aug-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	4	142799664	21.42	2413.37	35.70
Mission	1	1-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	1	35699916	1.78	262.31	35.70
Mission	1	1-Aug-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	28	999597632	99.96	12422.55	35.70
Mission	1	1-Aug-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	26	928197824	55.69	7831.08	35.70
Mission	1	1-Aug-95	1	NF	Bacillariophyte	Navicula sp5	300	1	35699916	10.71	1020.47	35.70
Mission	1	1-Aug-95	1	SD	Bacillariophyte	Synedra sp5	100	2	71399832	7.14	887.32	35.70
Mission	1	1-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	22	785363144	15.71	3981.70	35.70
Mission	1	1-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	4	142799664	28.56	5320.17	35.70
Mission	1	1-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	7	249899408	174.93	27557.92	35.70
Mission	1	1-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	17	606898560	45.52	9667.89	35.70
Mission	1	1-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	100	3569991680	35.70	9928.58	35.70
Mission	1	1-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	6	214199488	21.42	4377.83	35.70
Mission	1	1-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	6	214199488	214.20	32172.06	35.70
Mission	1	1-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	25	892497920	312.37	53992.09	35.70
Mission	1	1-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	12	428396976	34.27	7216.78	35.70
Mission	1	1-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	4	142799664	42.84	7556.91	35.70

Mission	1	1-Aug-95	1	QB	Chlorophyte	Quadrigula sp2	100	2	71399832	7.14	1459.28	35.70
Mission	1	1-Aug-95	1	ZP	Cyanophyte	Oscillatoria sp2	200	1	35699916	7.14	1330.04	35.70
Mission	1	1-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	365	13030469632	65.15	19880.25	35.70
Mission	1	29-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	5	223124480	17.85	2341.29	44.62
Mission	1	29-Aug-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	7	312374272	46.86	5279.24	44.62
Mission	1	29-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	21	937122816	46.86	6885.62	44.62
Mission	1	29-Aug-95	1	SO	Bacillariophyte	Synedra arcus var2	200	1	44624896	8.92	938.00	44.62
Mission	1	29-Aug-95	1	SD	Bacillariophyte	Synedra sp5	100	9	401624064	40.16	4991.20	44.62
Mission	1	29-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	7	312374272	6.25	1583.63	44.62
Mission	1	29-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	5	223124480	44.62	8312.77	44.62
Mission	1	29-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	17	758623232	531.04	83857.97	44.62
Mission	1	29-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	10	446248960	33.47	7108.75	44.62
Mission	1	29-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	37	1651121152	16.51	4591.97	44.62
Mission	1	29-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	3	133874688	13.39	2736.14	44.62
Mission	1	29-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	3	133874688	133.87	20107.53	44.62
Mission	1	29-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	6	267749376	93.71	16197.63	44.62
Mission	1	29-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	65	2900618240	232.05	48863.59	44.62
Mission	1	29-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	1	44624896	13.39	2362.16	44.62
Mission	1	29-Aug-95	1	EF	Chlorophyte	Euglena sp2	2000	1	44624896	89.25	12217.88	44.62
Mission	1	29-Aug-95	1	SK	Chlorophyte	Scenedesmus sp3	200	3	133874688	26.77	4987.66	44.62
Mission	1	29-Aug-95	1	ZP	Cyanophyte	Oscillatoria sp2	200	3	133874688	26.77	4987.66	44.62
Mission	1	29-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	180	8032481280	40.16	12254.95	44.62
Potato Patch	1	4-May-95	1	AM	Bacillariophyte	Achnanthes sp2	80	4	59499864	4.76	624.35	14.87
Potato Patch	1	4-May-95	1	AX	Bacillariophyte	Asterionella formosa var3	200	1	14874966	2.97	312.67	14.87
Potato Patch	1	4-May-95	1	CS	Bacillariophyte	Cyclotella stelligera var3	150	1	14874966	2.23	251.39	14.87
Potato Patch	1	4-May-95	1	CX	Bacillariophyte	Cyclotella sp3	50	6	89249792	4.46	655.77	14.87
Potato Patch	1	4-May-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	5	74374832	7.44	924.30	14.87
Potato Patch	1	4-May-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	1	14874966	0.89	125.50	14.87
Potato Patch	1	4-May-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	8	118999728	2.38	603.29	14.87
Potato Patch	1	4-May-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	1	14874966	2.97	554.18	14.87
Potato Patch	1	4-May-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	1	14874966	10.41	1640.35	14.87
Potato Patch	1	4-May-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	2	29749932	2.23	473.92	14.87
Potato Patch	1	4-May-95	1	RY	Chryso-cryptophyte	Chrysococcus sp.	150	30	446248992	66.94	12958.39	14.87
Potato Patch	1	4-May-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	10	148749664	52.06	8996.68	14.87
Potato Patch	1	4-May-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	14	208249520	2.08	579.17	14.87
Potato Patch	1	4-May-95	1	RO	Chryso-cryptophyte	Rhodomonas sp3	100	2	29749932	2.97	608.03	14.87
Potato Patch	1	4-May-95	1	PJ	Dinophyte	Peridinium sp4	350	2	29749932	10.41	1799.74	14.87
Potato Patch	1	4-May-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	7	104124760	8.33	1754.08	14.87
Potato Patch	1	4-May-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	3	44624896	13.39	2362.16	14.87
Potato Patch	1	4-May-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	365	5429362688	27.15	8263.44	14.87
Potato Patch	1	26-Jun-95	1	CX	Bacillariophyte	Cyclotella sp3	50	2	118999728	5.95	874.36	59.50
Potato Patch	1	26-Jun-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	1	59499864	5.95	739.44	59.50
Potato Patch	1	26-Jun-95	1	NF	Bacillariophyte	Navicula sp5	300	2	118999728	35.70	3401.58	59.50
Potato Patch	1	26-Jun-95	1	NY	Bacillariophyte	Nitzschia sp3	100	1	59499864	5.95	739.44	59.50
Potato Patch	1	26-Jun-95	1	SO	Bacillariophyte	Synedra arcus var2	200	8	475998912	95.20	10005.30	59.50
Potato Patch	1	26-Jun-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	6	356999168	7.14	1809.86	59.50
Potato Patch	1	26-Jun-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	2	118999728	8.92	1895.67	59.50
Potato Patch	1	26-Jun-95	1	RY	Chryso-cryptophyte	Chrysococcus sp.	150	220	13089970176	1963.50	380112.90	59.50
Potato Patch	1	26-Jun-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	25	1487496576	14.87	4136.91	59.50
Potato Patch	1	26-Jun-95	1	PJ	Dinophyte	Peridinium sp4	350	3	178499584	62.47	10798.42	59.50
Potato Patch	1	26-Jun-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	16	951997824	76.16	16037.28	59.50
Potato Patch	1	26-Jun-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	200	11899972608	59.50	18155.48	59.50
Potato Patch	1	1-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	2	178499584	14.28	1873.04	89.25
Potato Patch	1	1-Aug-95	1	CX	Bacillariophyte	Cyclotella sp3	50	3	267749376	13.39	1967.32	89.25
Potato Patch	1	1-Aug-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	3	267749376	26.77	3327.47	89.25
Potato Patch	1	1-Aug-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	4	356999168	21.42	3011.95	89.25
Potato Patch	1	1-Aug-95	1	NF	Bacillariophyte	Navicula sp5	300	4	356999168	107.10	10204.75	89.25
Potato Patch	1	1-Aug-95	1	SO	Bacillariophyte	Synedra arcus var2	200	10	892497920	178.50	18759.93	89.25
Potato Patch	1	1-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	28	2498994176	49.98	12669.04	89.25
Potato Patch	1	1-Aug-95	1	CB	Chryso-cryptophyte	Chroomonas acuta var2	200	5	446248960	89.25	16625.54	89.25
Potato Patch	1	1-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	3	267749376	187.42	29526.34	89.25
Potato Patch	1	1-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	14	1249497088	93.71	19904.49	89.25
Potato Patch	1	1-Aug-95	1	RY	Chryso-cryptophyte	Chrysococcus sp.	150	25	2231244800	334.69	64791.97	89.25
Potato Patch	1	1-Aug-95	1	DQ	Chryso-cryptophyte	Dinobryon sp7	350	1	89249792	31.24	5399.21	89.25
Potato Patch	1	1-Aug-95	1	KB	Chryso-cryptophyte	Kephyrion sp2	40	1	89249792	3.57	624.79	89.25
Potato Patch	1	1-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	72	[illegible]	[illegible]	[illegible]	89.25
Potato Patch	1	1-Aug-95	1	RO	Chryso-cryptophyte	Rhodomonas sp2	100	3	267749376	26.77	5472.38	89.25
Potato Patch	1	1-Aug-95	1	GY	Dinophyte	Gymnodinium sp1	1000	1	89249792	89.25	13405.02	89.25
Potato Patch	1	1-Aug-95	1	PJ	Dinophyte	Peridinium sp4	350	13	1160247296	406.09	70189.71	89.25
Potato Patch	1	1-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	194	17314459648	1385.16	291678.04	89.25
Potato Patch	1	1-Aug-95	1	SK	Chlorophyte	Scenedesmus sp3	200	6	535498752	107.10	19950.64	89.25
Potato Patch	1	1-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	280	24989941760	124.96	38126.52	89.25
Potato Patch	1	29-Aug-95	1	AM	Bacillariophyte	Achnanthes sp2	80	6	535498752	42.84	5619.11	89.25
Potato Patch	1	29-Aug-95	1	DG	Bacillariophyte	Diatoma elongatum var2	100	7	624748544	62.47	7764.09	89.25
Potato Patch	1	29-Aug-95	1	FE	Bacillariophyte	Fragillaria construens var3	60	4	356999168	21.42	3011.95	89.25
Potato Patch	1	29-Aug-95	1	NF	Bacillariophyte	Navicula sp5	300	4	356999168	107.10	10204.75	89.25
Potato Patch	1	29-Aug-95	1	SO	Bacillariophyte	Synedra arcus var2	200	3	267749376	53.55	5627.98	89.25
Potato Patch	1	29-Aug-95	1	TF	Bacillariophyte	Tabellaria fenestrata var1	500	2	178499584	89.25	7515.82	89.25
Potato Patch	1	29-Aug-95	1	XX	Chryso-cryptophyte	Chromulina sp1	20	30	2677493760	53.55	13573.97	89.25
Potato Patch	1	29-Aug-95	1	YO	Chryso-cryptophyte	Chryptomonas sp4	700	10	892497920	624.75	98421.14	89.25
Potato Patch	1	29-Aug-95	1	CC	Chryso-cryptophyte	Chrysochromulina sp.	75	21	1874245632	140.57	29856.73	89.25
Potato Patch	1	29-Aug-95	1	MG	Chryso-cryptophyte	Mallomonas sp6	750	1	89249792	66.94	10448.24	89.25
Potato Patch	1	29-Aug-95	1	YZ	Chryso-cryptophyte	Small microflagellates	10	88	7853981696	78.54	21842.88	89.25
Potato Patch	1	29-Aug-95	1	XC	Chlorophyte	Ankistrodesmus sp3	80	18	1606496256	128.52	27062.01	89.25
Potato Patch	1	29-Aug-95	1	DU	Chlorophyte	Dichtyosphaerium sp3	300	7	624748544	187.42	33070.25	89.25
Potato Patch	1	29-Aug-95	1	EG	Chlorophyte	Euglena sp4	4000	1	89249792	357.00	44543.45	89.25
Potato Patch	1	29-Aug-95	1	SK	Chlorophyte	Scenedesmus sp3	200	14	1249497088	249.90	46551.50	89.25
Potato Patch	1	29-Aug-95	1	SC	Cyanophyte	Synechococcus sp. (<2 um)	5	360	32129925120	160.65	49019.61	89.25

Upper Horseshoe Lake	Station 1	3/5/95	Depth=1 meter(s)
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella stelligera var3	118999720	17.85	2011.14
Cyclotella sp3	11899972	0.59	87.44
Group total	130899696	18.44	2098.58
Chryso-cryptophyte			
Chromulina sp1	249899408	5.00	1266.90
Chroomonas acuta var2	71399832	14.28	2660.09
Chryptomonas sp4	1594596224	1116.22	175845.77
Chrysochromulina sp.	464098912	34.81	7393.10
Dinobryon sp7	11899972	4.16	719.89
Mallomonas sp6	95199776	71.40	11144.79
Small microflagellates	261799392	2.62	728.10
Rhodomonas sp3	83299808	8.33	1702.49
Group total	2832193280	1256.82	201461.09
Dinophyte			
Peridinium sp4	59499860	20.82	3599.47
Group total	59499860	20.82	3599.47
Chlorophyte			
Selenastrum sp.	47599888	2.86	624.99
Group total	47599888	2.86	624.99
Cyanophyte			
Synechococcus sp. (<2 um)	321299232	1.61	490.20
Group total	321299232	1.61	490.20
Grand Total	3391491840	1300.55	208274.34

Location Upper Horseshoe Date 3/05/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no x

Bottle Sample? yes ✓ no__ , Magnif. 1560 x Transect length 15 mm Date Counted 24/02/96 (d m y)

Comments: Loaded ē detritus + Chrytomonads!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS	10	Cyclotella stelligera 1,2,1,1,2,1,2,	
		comta	50
CX	1	sp. 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	21	Chromulina sp. 2,1,3,3,3,2,2,4,1,	75
CC	39	Chrysochromulina sp. 3,3,4,3,1,4,4,4,6,3,4,	700 lots
YO	134	Chryptomonas sp. 2,8,11,14,10,10,13,10,18,10,12,16,	200
CB	6	Chroomonas acuta 2,1,1,1,1,	100
RO	7	Rhodomonas sp. 1,1,1,1,2,1,	750
MG	8	~~Mallomonas sp. 1,2,2,1,1,1,~~	
		Kephrion sp.	10
YZ	22	Small microflagellates 2,3,6,7,2,2,	350
DQ	1	Others Dinobryon 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	5	Peridinium sp. 2,1,2,	
		Gymnodinium sp.	
		Other	
		4.] CHLOROPHYTES (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	60
SA	4	Desmids Selenastrum 1,1,1,1,	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	27	Synechococcus (<2um) 3,3,2,2,3,3,2,3,1,5,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Full of detritus! Difficult to count!

Eco-Logic Ltd.

Upper Horseshoe Lake	Station 1	23/6/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Bacillariophyte				
Achnanthes sp2	321299232	25.70		3371.46
Cyclotella comta var2	53549872	26.77		2254.75
Cyclotella stelligera var3	107099744	16.06		1810.03
Cyclotella sp3	35699916	1.78		262.31
Cymbella sp5	17849958	5.35		510.24
Eunotia sp4	107099744	32.13		3061.42
Synedra arcus var2	89249792	17.85		1875.99
Tabellaria fenestrata var1	17849958	8.92		751.58
Tabellaria flocculosa var1	71399832	35.70		3006.33
Group total	821097984	170.29		16904.11
Chryso-cryptophyte				
Chromulina sp1	785398144	15.71		3981.70
Chroomonas acuta var2	178499584	35.70		6650.21
Chryptomonas sp6	160649616	120.49		18806.83
Chrysochromulina sp.	785398144	58.90		12511.39
Dinobryon sp7	71399832	24.99		4319.37
Kephyrion sp2	89249792	3.57		824.79
Mallomonas sp6	35699916	26.77		4179.30
Small microflagellates	1017447616	10.17		2829.65
Rhodomonas sp3	35699916	3.57		729.64
Group total	3159442688	299.88		54832.87
Dinophyte				
Peridinium sp4	124949704	43.73		7558.89
Group total	124949704	43.73		7558.89
Chlorophyte				
Ankistrodesmus sp3	17849958	1.43		300.70
Dichtyosphaerium sp3	71399832	21.42		3779.46
Group total	89249792	22.85		4080.16
Cyanophyte				
Oscillatoria sp2	17849958	3.57		665.02
Synechococcus sp. (<2 um)	838948032	4.19		1279.96
Group total	856798016	7.76		1944.98
Grand Total	5051538432	544.51		85321.02

Location Upper Horseshoe Date 23/06/95 (d m y) Stn. 1 Depth 1m Tow? yes ___ no X

Bottle Sample? yes ✓ no ___ , Magnif. 1560X Transect length 10 mm Date Counted 24/07/96 (d m y)

Comments: Large clumps of detritus!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM 18		Achnanthes sp. 2, 1, 1, 1, 3, 2, 1, 3, 2, 2,	80
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	200
SO 5		Synedra acus 1, 1, 2, 1,	
		sp.	
		Melosira italica	
		distans	
		sp.	500
TF 1		Tabellaria fenestrata 1,	500
TB 4		flocculosa 2, 2,	150
CS 6		Cyclotella stelligera 1, 1, 1, 2, 1,	500
CZ 3		comta 1, 1, 1,	50
CX 2		sp. 1, 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
EX 6		Others Eunotia 2, 1, 1, 1, 1,	300
CI 1		Cymbella 1,	300
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX 44		Chromulina sp. 3, 3, 2, 4, 5, 4, 4, 5, 5, 5, 4,	20
CC 44		Chrysochromulina sp. 1, 2, 4, 4, 4, 1, 5, 6, 6, 7, 4,	75
YN 9		Chryptomonas sp. 1, 1, 2, 1, 2, 2,	750
CB 10		Chroomonas acuta 1, 1, 2, 1, 2, 2, 1,	200
RO 2		Rhodomonas sp. 1, 1,	100
MG 2		Mellomonas sp. 1, 1,	750
KB 5		Kephrion sp. 2, 1, 2,	40
YZ 57		Small microflagellates 5, 4, 3, 3, 11, 10, 11, 10,	10
DQ 4		Others Dinobryon 4,	350
		3.] DINOPHYTES (Dinoflagellates)	
PJ 7		Peridinium sp. 2, 1, 1, 2, 1,	350
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC 1		Ankistrodesmus sp. 1,	100
XT 10		Scenedesmus sp. 1 Crucigenia	
		Desmids	300
DU 4		Others Dictyosphaerium 1, 1, 1, 1,	
		5.] CYANOPHYTES (Blue-green algae)	
SC 47		Synechococcus (<2um) 10, 5, 5, 3, 5, 3, 5, 3, 3, 5,	5
		Anabaena sp.	200
ZP 1		Oscillatoria sp. 1	
		Others	

Diverse! Full of detritus!

Difficult to enumerate accurately - Clumped sample.

Eco-Logic Ltd.

Upper Horseshoe Lake	Station 1	30/7/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Bacillariophyte				
Achnanthes sp2	47599888	3.81		499.48
Cyclotella stelligera var3	11899972	1.78		201.11
Tabellaria flocculosa var1	23799944	11.90		1002.11
Group total	83299808	17.49		1702.70
Chryso-cryptophyte				
Chromulina sp1	226099472	4.52		1146.25
Chroomonas acuta var2	23799944	4.76		886.70
Chryptomonas sp4	23799944	16.66		2624.56
Chrysochromulina sp.	130899696	9.82		2085.23
Kephyrion sp2	107099744	4.28		989.75
Mallomonas sp6	23799944	17.85		2786.20
Small microflagellates	452198944	4.52		1257.62
Rhodomonas sp3	23799944	2.38		486.43
Group total	1011497600	64.80		12262.73
Dinophyte				
Peridinium sp4	35699916	12.49		2159.68
Group total	35699916	12.49		2159.68
Chlorophyte				
Ankistrodesmus sp3	23799944	1.90		400.93
Group total	23799944	1.90		400.93
Cyanophyte				
Synechococcus sp. (<2 um)	1844495616	9.22		2814.10
Group total	1844495616	9.22		2814.10
Grand Total	2998792960	105.91		19340.14

Location Upper Horseshoe Date 30/07/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no✓

Bottle Sample? yes✓ no__ , Magnif. 1560x Transect length 15 mm Date Counted 25/07/96 (d m y)

Comments: Sparse!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM	4	Achnanthes sp. 1, 1, 1, 1,	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	500
TB	2	flocculosa 2,	150
CS	1	Cyclotella stelligera 1,	
		comta	
		sp.	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	19	Chromulina sp. 2, 4, 2, 2, 1, 2, 2, 3, 1,	75
CC	11	Chrysochromulina sp. 3, 3, 1, 1, 1, 3,	700
YO	2	Chryptomonas sp. 1, 1,	200
CB	2	Chroomonas acuta 1, 1,	100
RO	2	Rhodomonas sp. 1, 1,	750
MG	2	Mallomonas sp. 1, 1,	40
KB	9	Kephrion sp. 1, 1, 1, 2, 1, 1, 1, 1,	10
YZ	38	Small microflagellates 2, 10, 11, 5, 4, 3, 2, 1,	
		Others	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	3	Peridinium sp. 1, 1, 1,	
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	2	Ankistrodesmus sp. 2,	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	153	Synechococcus (<2um) 10, 15, 10, 25, 20, 15, 20, 15, 25	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Large Clumps of detritus! Not as pronounced as Difficult to enumerate! May or June

Eco-Logic Ltd.

Upper Horseshoe Lake	Station 1	29/8/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Bacillariophyte				
Achnanthes sp2	535498784	42.84		5619.11
Cyclotella stelligera var3	25499942	3.82		430.96
Cyclotella sp3	25499942	1.27		187.36
Navicula sp5	76499824	22.95		2186.73
Group total	662998528	70.89		8424.16
Chryso-cryptophyte				
Chromulina sp1	586498688	11.73		2973.35
Chroomonas acuta var2	203999536	40.80		7600.25
Chrysoikos sp2	331499232	66.30		12350.40
Chryptomonas sp4	101999768	71.40		11248.13
Chrysochromulina sp.	841498112	63.11		13405.07
Kephyrion sp2	50999884	2.04		471.31
Mallomonas sp6	25499942	19.12		2985.21
Small microflagellates	560998720	5.61		1560.21
Rhodomonas sp3	101999768	10.20		2084.68
Group total	2804993792	290.32		54678.59
Dinophyte				
Gymnodinium sp1	178499600	178.50		26810.05
Peridinium sp4	484498912	169.57		29309.99
Group total	662998528	348.07		56120.04
Chlorophyte				
Filaments	152999648	76.50		12606.44
Micrasterias sp.	25499942	127.50		15440.50
Xanthidium sp.	101999768	204.00		27926.57
Group total	280499360	408.00		55973.51
Cyanophyte				
Synechococcus sp. (<2 um)	382499136	1.91		583.57
Group total	382499136	1.91		583.57
Grand Total	4793989632	1119.19		175779.88

Location Upper Horseshoe Date 29/08/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no X

Bottle Sample? yes ✓ no__ , Magnif. 156X Transect length 7 mm Date Counted 25/02/96 (d m y)

Comments: Looks like littoral detritus – Full! Rich, diverse

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	21	Achnanthes sp. 1,1,5,7,2,2,3,	80
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS	1	Cyclotella stelligera 1,	
		comta	90
CX	1	sp. 1,	
		Stephanodiscus sp.	
		Rhizosolenia	300
NF	3	Others Navicula 1,1,1,	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	23	Chromulina sp. 3,5,2,3,5,2,	75
CC	33	Chrysochromulina sp. 2,4,5,2,5,7,8,	700
YO	4	Chryptomonas sp. 1,2,1,	200
CB	8	Chroomonas acuta 2,1,1,1,2,1,	100
RO	4	Rhodomonas sp. 1,2,1,	750
MG	1	Mallomonas sp. 1,	40
KB	2	Kephrion sp. 2,	10
YZ	22	Small microflagellates 5,2,5,2,3,5,	200
HD	13	Others Chrysoikos 2,1,3,1,5,1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	19	Peridinium sp. 1,2,1,2,4,3,3,3,	1000
GY	7	Gymnodinium sp. 1,2,2,2,	
		Others	
		4.] CHLOROPHYTES (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	2000 / 5000
4	MA 1	Desmids Xanthidium 1,1,1,1, / Micrasterias 1,	500
	CE 6	Others Filaments 1,2,2,1,	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	15	Synechococcus (<2um) 3,5,1,2,3,1,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Rich! Badly clumped – full of detritus! Difficult to count!

Is this a shallow Pond?

Eco-Logic Ltd.

Lower Horseshoe Lake	Station 1	3/5/95	Depth=0.5 meter(s)
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella sp3	35699916	1.78	262.31
Group total	35699916	1.78	262.31
Chryso-cryptophyte			
Chromulina sp1	440298976	8.81	2232.16
Chryptomonas sp4	297499296	208.25	32807.05
Chrysochromulina sp.	178499584	13.39	2843.50
Dinobryon sp7	11899972	4.16	719.89
Mallomonas sp6	11899972	8.92	1393.10
Small microflagellates	737798272	7.38	2051.91
Group total	1677896064	250.91	42047.61
Dinophyte			
Peridinium sp4	23799944	8.33	1439.79
Group total	23799944	8.33	1439.79
Chlorophyte			
Euglena sp3	59499860	178.50	23145.59
Group total	59499860	178.50	23145.59
Cyanophyte			
Synechococcus sp. (<2 um)	6068985856	30.34	9259.30
Group total	6068985856	30.34	9259.30
Grand Total	7865881600	469.87	76154.59

Location Lower Horseshoe Date 3/05/95 (d m y) Stn. 1 Depth 0.5m Tow? yes___ no ✓

Bottle Sample? yes ✓ no___ , Magnif. 1560X Transect length 15 mm Date Counted 25/02/96 (d m y)

Comments: large clumps of detritus! sparse – pico bloom.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	50
CX	3	sp. 1, 1, 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	37	Chromulina sp. 1, 3, 3, 2, 3, 5, 1, 1, 5, 1	20
CC	15	Chrysochromulina sp. 1, 2, 1, 2, 2, 4, 1, 1, 1,	75
YO	25	Chryptomonas sp. 1, 1, 1, 1, 1, 2, 1, 4, 3, 2, 5,	700
		Chroomonas acuta	
		Rhodomonas sp.	750
MG	1	~~Mallomonas sp.~~ 1,	
		Kephrion sp.	10
YZ	62	Small microflagellates 9, 5, 10, 11, 10, 11, 12,	350
DQ	1	Others Dinobryon 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	2	Peridinium sp. 1, 1,	
		Gymnodinium sp.	
		~~Others~~	
		4.] CHLOROPHYTES (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	3000
ED	5	Desmids Euglena 1, 1, 1, 1, 1,	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	
SC	510	Synechococcus (<2um) 35, 45, 50, 45, 50, 35, 30, 35, 50, 45, 50, 40	5 lots
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Lower Horseshoe Lake	Station 1	23/6/95	Depth=1 meter(s)
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Navicula sp5	89249792	26.77	2551.19
Group total	89249792	26.77	2551.19
Chryso-cryptophyte			
Chromulina sp1	535498752	10.71	2714.79
Chrysochromulina sp.	356999168	26.77	5687.00
Group total	892497920	37.48	8401.79
Dinophyte			
Peridinium sp4	89249792	31.24	5399.21
Group total	89249792	31.24	5399.21
Cyanophyte			
Synechococcus sp. (<2 um)	89249792000	446.25	136166.13
Group total	89249792000	446.25	136166.13
Grand Total	90320789504	541.75	152518.31

Location Lower Horseshoe Date 23/06/95 (d/m/y) Stn. 1 Depth 1m Tow? yes__ no X

Bottle Sample? yes ✓ no__ , Magnif. 1560× Transect length 2 mm Date Counted 26/02/96 (d/m/y)

Comments: Loaded with small particles - picoplankton.

TOTAL CELLS		COUNT	VOLUME
	1.] BACILLARIOPHYTES (Diatoms)		
	Achnanthes sp.		
	Asterionella formosa		
	Fragilaria crotonensis		
	construens		
	sp.		
	Synedra acus		
	sp.		
	Melosira italica		
	distans		
	sp.		
	Tabellaria fenestrata		
	flocculosa		
	Cyclotella stelligera		
	comta		
	sp.		
	Stephanodiscus sp.		
	Rhizosolenia		
NF 1	Others Navicula	1,	300
	2.] CHRYSO-CRYPTOPHYTES (Flagellates)		
XX 6	Chromulina sp.	3, 1, 2,	20
CC 4	Chrysochromulina sp.	2, 2,	7;
	Chryptomonas sp.		
	Chroomonas acuta		
	Rhodomonas sp.		
	Mallomonas sp.		
	Kephrion sp.		
	Small microflagellates		
	Others		
	3.] DINOPHYTES (Dinoflagellates)		
PJ 1	Peridinium sp.	1,	350
	Gymnodinium sp.		
	Others		
	4.] CHLOROPHYTES (Green algae)		
	Ankistrodesmus sp.		
	Scenedesmus sp.		
	Desmids		
	Others		
	5.] CYANOPHYTES (Blue-green algae)		
SC 1 1000	Synechococcus (<2um)	150, 100, 200, 200, 150, 200	
	Anabaena sp.		
	Oscillatoria sp.		
	Others		

Loaded with bacteria/autotrophic picoplankton also detritus/debris - very difficult to count!

Lower Horseshoe Lake	Station 1	28/7/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Dinophyte				
Gymnodinium sp1	89249792	89.25		13405.02
Peridinium sp4	89249792	31.24		5399.21
Group total	178499584	120.49		18804.23
Cyanophyte				
Synechococcus sp. (<2 um)	316836773888	1584.18		483389.77
Group total	316836773888	1584.18		483389.78
Grand Total	317015261184	1704.67		502194.00

Location Lilly Lake Date 16/ 06/ 95 (d m y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560 Transect length 7 mm Date Counted 28/ 02/ 96 (d m y)

Comments: Rich - badly clumped!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
So	21	Synedra acus 2, 2, 5, 2, 5, 2, 3,	200
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS	1	Cyclotella stelligera 1,	500
CZ	1	comta 1,	50
CX	5	sp. 1, 2, 1, 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	71	Chromulina sp. 5, 3, 11, 10, 7, 10, 15, 10,	75 lots
CC	140	Chrysochromulina sp. 10, 15, 15, 25, 15, 20, 15, 25,	700
YO	6	Chryptomonas sp. 1, 1, 2, 1, 1,	200
CB	6	Chroomonas acuta 1, 1, 2, 1, 1,	100
Ro	7	Rhodomonas sp. 2, 2, 1, 3,	
		Mallomonas sp.	40
Kb	14	Kephrion sp. 2, 1, 1, 2, 1, 2, 5,	
YZ	41	Small microflagellates 11, 10, 10, 5, 5, D. suecicum 2	350 | 100
14 DY	5	Others Dinobryon 1, 1, 1, 3, 1, 4, 3, 1, 2, 1, 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
P1	13	Peridinium sp. 1, 1, 3, 2, 3, 2,	1000
G4	2	~~Gymnodinium~~ sp. 2,	
		~~Others~~	
		4.] CHLOROPHYTES (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	200	Synechococcus (<2um) 10, 15, 25, 20, 20, 15, 25, 40, 30	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Clumped! Lots of phytodetritus!

Lilly Lake Station 1 1/8/95 Depth=1 meter(s)			
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp2	53549872	4.28	561.91
Cyclotella sp3	107099744	5.35	786.93
Fragillaria construens var	17849958	1.07	150.60
Synedra arcus var2	89249792	17.85	1875.99
Group total	267749360	28.56	3375.43
Chryso-cryptophyte			
Chromulina sp1	1374446720	27.49	6967.97
Chroomonas acuta var2	35699916	7.14	1330.04
Chrysochromulina sp.	981747712	73.63	15639.24
Dinobryon succium	53549872	5.35	1094.46
Dinobryon sp7	589048640	206.17	35634.78
Kephyrion sp2	1338746880	53.55	12371.86
Small microflagellates	1463696512	14.64	4070.72
Rhodomonas sp3	196349536	19.63	4013.01
Group total	6033285632	407.60	81122.08
Dinophyte			
Gymnodinium sp1	124949704	124.95	18767.03
Peridinium sp4	196349536	68.72	11878.26
Group total	321299232	193.67	30645.29
Chlorophyte			
Ankistrodesmus sp3	35699916	2.86	601.40
Crucigenia sp.	35699916	3.57	729.64
Group total	71399832	6.43	1331.04
Cyanophyte			
Synechococcus sp. (<2 um)	2855993344	14.28	4357.32
Group total	2855993344	14.28	4357.32
Grand Total	9549727744	650.54	120831.15

Location Lilly Lake Date 01/08/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no X

Bottle Sample? yes ✓ no__ , Magnif. 1560 x Transect length 10 mm Date Counted 29/02/96 (d m y)

Comments:

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM 3		Achnanthes sp. 1,1,1,	
		Asterionella formosa	
		Fragilaria crotonensis	60
FE 1		construens 1,	
		sp.	200
SO 5		Synedra acus 1,2,1,1,	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	
CX 6		sp. 1,1,2,2,	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX 77		Chromulina sp. 4,3,10,11,10,15,7,3,7,3,4,	75
CC 55		Chrysochromulina sp. 3,4,7,7,8,10,5,4,3,4,	
		Chryptomonas sp.	200
CB 2		Chroomonas acuta 2,	100
RO 11		Rhodomonas sp. 2,3,2,2,2,	
		Mallomonas sp.	40
KB 75		Kephrion sp. 1,2,2,4,6,9,11,6,7,6,11,10,	1.0
YZ 82		Small microflagellates 5,10,11,15,10,11,10,10, D. spectacum 2	350 | 100
33 DY 3		Others Dinobryon 10,2,3,1,2,2,3,5,2,3, 1,1,1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ 11		Peridinium sp. 1,1,1,2,1,1,1,1,2,	1000
GY 7		Gymnodinium sp. 1,1,1,2,1,1,	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC 2		Ankistrodesmus sp. 1,1,	
		Scenedesmus sp.	100
XT 2		Desmids Cruegenia 1,1,	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC 160		Synechococcus (<2um) 12,10,13,10,15,15,20,20,15,10,10,10,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Lilly Lake Station 1 30/8/95 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella sp3	17849958	0.89	131.15
Fragillaria construens var	17849958	1.07	150.60
Group total	35699916	1.96	281.75
Chryso—cryptophyte			
Chromulina sp1	678298432	13.57	3438.74
Chroomonas acuta var2	17849958	3.57	665.02
Chrysochromulina sp.	517648768	38.82	8246.15
Dinobryon succium	589048640	58.90	12039.03
Dinobryon sp7	71399832	24.99	4319.37
Kephyrion sp2	1178097280	47.12	10887.24
Small microflagellates	1427996672	14.28	3971.43
Rhodomonas sp3	124949704	12.49	2553.73
Group total	4605288960	213.75	46120.70
Dinophyte			
Gymnodinium sp1	196349536	196.35	29491.05
Peridinium sp4	71399832	24.99	4319.37
Group total	267749376	221.34	33810.41
Chlorophyte			
Ankistrodesmus sp3	17849958	1.43	300.70
Crucigenia sp.	17849958	1.78	364.82
Dichtyosphaerium sp3	17849958	5.35	944.86
Group total	53549872	8.57	1610.38
Cyanophyte			
Synechococcus sp. (<2 um)	3034492928	15.17	4629.65
Group total	3034492928	15.17	4629.65
Grand Total	7996781056	460.80	86452.91

Location Lilly Lake Date 30/08/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no x

Bottle Sample? yes ✓ no__ , Magnif. 1560x Transect length 10 mm Date Counted 29/02/96 (d m y)

Comments:

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	60
FE	1	construens 1,	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	50
CX	1	sp. 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	38	Chromulina sp. 2,1,4,3,2,1,5,7,3,3,5,	75
CC	29	Chrysochromulina sp. 1,2,2,4,1,5,7,4,2,	
		Chryptomonas sp.	200
CB	1	Chroomonas acuta 1,	100
RO	7	Rhodomonas sp. 1,1,2,2,1,	
		Mallomonas sp.	40 Lets
KB	66	Kephrion sp. 6,3,5,4,11,7,8,7,7,8,	
YZ	80	Small microflagellates 5,3,4,2,8,12,15,10,11,10,10 D. suecicum	350/100
4 DY	33	Others Dinobryon 1,2,1, 5,2,3,2,4,4,7,3,3,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	4	Peridinium sp. 1,1,1,1,	1000
GY	11	~~Gymnodinium sp.~~ 1,1,1,3,2,1,2,	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	1	Ankistrodesmus sp. 1,	100
XT		Scenedesmus sp. Cruciginia 1,	
		Desmids	300
DU	1	~~Others~~ Dictyosphaerium 1,	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	170	Synechococcus (<2um) 10,15,25,10,15,20,15,25,25,10,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Some large clumps - detritus / debris.

Eco-Logic Ltd.

Potato Patch Lake	Station 1	4/5/95	Depth=1	meter(s)
	#cells/m3		vol(mm3/m3)	ug C/m3
Bacillariophyte				
Achnanthes sp2	59499864		4.76	624.35
Asterionella formosa var3	14874966		2.97	312.67
Cyclotella stelligera var3	14874966		2.23	251.39
Cyclotella sp3	89249792		4.46	655.77
Diatoma elongatum var2	74374832		7.44	924.30
Fragillaria construens var	14874966		0.89	125.50
Group total	267749376		22.76	2893.97
Chryso—cryptophyte				
Chromulina sp1	118999728		2.38	603.29
Chroomonas acuta var2	14874966		2.97	554.18
Chryptomonas sp4	14874966		10.41	1640.35
Chrysochromulina sp.	29749932		2.23	473.92
Chrysococcus sp.	446248992		66.94	12958.39
Dinobryon sp7	148749664		52.06	8998.68
Small microflagellates	208249520		2.08	579.17
Rhodomonas sp3	29749932		2.97	608.03
Group total	1011497728		142.06	26416.02
Dinophyte				
Peridinium sp4	29749932		10.41	1799.74
Group total	29749932		10.41	1799.74
Chlorophyte				
Ankistrodesmus sp3	104124760		8.33	1754.08
Dichtyosphaerium sp3	44624896		13.39	2362.16
Group total	148749664		21.72	4116.24
Cyanophyte				
Synechococcus sp. (<2 um)	5429362688		27.15	8283.44
Group total	5429362688		27.15	8283.44
Grand Total	6887109632		224.09	43509.40

Location Potato Patch Lake Date 04/05/95 (d m y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 560X Transect length 12 mm Date Counted 04/03/96 (d m y)

Comments: Sparse!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	4	Achnanthes sp. 1,1,1,1	80
AX	1	Asterionella formosa 1,	200
		Fragilaria crotonensis	
FE	1	construens 1,	60
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	1	Cyclotella stelligera 1,	150
		comta	
CX	6	sp. 1,2,1,1,1	50
		Stephanodiscus sp.	
		Rhizosolenia	
DG	5	Others Diatoma elongatum 1,1,1,1,1	100
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	8	Chromulina sp. 1,2,3,1,1	20
CC	2	Chrysochromulina sp. 2,	75
YO	1	Chryptomonas sp. 1,	200
CB	1	Chroomonas acuta 1,	100
RO	2	Rhodomonas sp. 1,1	
		~~Mallomonas sp.~~	150
RY	30	~~Kephrion sp.~~ Chrysococcus 5,3,2,3,7,2,8,	10
YZ	14	Small microflagellates 2,2,3,4,3,	350
DQ	10	Others Dinobryon 1,3,2,3,1,	
		3.] DINOPHYTES (Dinoflagellates)	550
PJ	2	Peridinium sp. 1,1,	
		Gymnodinium sp.	
		~~Others~~	
		4.] CHLOROPHYTES (Green algae)	80
XC	7	Ankistrodesmus sp. 1,1,1,1,1,2,	1000
EE		Scenedesmus sp. Euglena	
		Desmids	300
DU	3	Others Dictyosphaerium 1,1,1,	
		5.] CYANOPHYTES (Blue-green algae)	5 lots
SC	365	Synechococcus (<2um) 25,45,20,20,25,45,55,50,50,30	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Post-Dinobryon bloom,

Clumped detritus/debris.

Difficult to count!

Eco-Logic Ltd.

Potato Patch Lake	Station 1	26/6/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Bacillariophyte				
Cyclotella sp3	118999728	5.95		874.36
Diatoma elongatum var2	59499864	5.95		739.44
Navicula sp5	118999728	35.70		3401.58
Nitzschia sp3	59499864	5.95		739.44
Synedra arcus var2	475998912	95.20		10005.30
Group total	832998144	148.75		15760.12
Chryso-cryptophyte				
Chromulina sp1	356999168	7.14		1809.86
Chrysochromulina sp.	118999728	8.92		1895.67
Chrysococcus sp.	13089970176	1963.50		380112.90
Small microflagellates	1487496576	14.87		4136.91
Group total	15053465600	1994.44		387955.34
Dinophyte				
Peridinium sp4	178499584	62.47		10798.42
Group total	178499584	62.47		10798.42
Chlorophyte				
Ankistrodesmus sp3	951997824	76.16		16037.28
Group total	951997824	76.16		16037.28
Cyanophyte				
Synechococcus sp. (<2 um)	11899972608	59.50		18155.48
Group total	11899972608	59.50		18155.48
Grand Total	28916932608	2341.32		448706.63

Location Potato Patch Lake Date 26/06/95 (d m y) Stn. 1 Depth 1m Tow? yes ___ no x

Bottle Sample? yes ✓ no ___ , Magnif. 1560 Transect length 3 mm Date Counted 04/03/96 (d m y)

Comments: Bloom of Chrysococcus 15µ x 20µ cells.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
SO	8	Synedra acus 1, 1, 1, 2, 3,	200
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	
CX	2	sp. 2,	50
		Stephanodiscus sp.	
DG	1	Rhizosolenia Diatoma elongatum 1,	100
NF	2	Others Navicula 1, 1,	300
NY	1	Nitzschia 1,	100
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	6	Chromulina sp. 1, 3, 2,	20
CC	2	Chrysochromulina sp. 1, 1,	
		Chryptomonas sp.	
		Chroomonas acuta	
		Rhodomonas sp.	
		Mallomonas sp.	
BY	220	Kephrion sp. Chrysococcus 14, 10, 15, 26, 22, 14, 35, 30, 14, 30, 10,	150 1 0
YZ	25	Small microflagellates 4, 3, 2, 2, 4, 10,	10 bloom
		Others	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	3	Peridinium sp. 1, 1, 1,	
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	16	Ankistrodesmus sp. 2, 1, 1, 2, 4, 2, 3, 1,	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	200	Synechococcus (<2um) 10, 15, 20, 10, 15, 10, 25, 30, 45, 20,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Potato Patch Lake	Station 1	1/8/95	Depth=1	meter(s)
	#cells/m3		vol(mm3/m3)	ug C/m3
Bacillariophyte				
Achnanthes sp2	178499584		14.28	1873.04
Cyclotella sp3	267749376		13.39	1967.32
Diatoma elongatum var2	267749376		26.77	3327.47
Fragillaria construens var	356999168		21.42	3011.95
Navicula sp5	356999168		107.10	10204.75
Synedra arcus var2	892497920		178.50	18759.93
Group total	2320494592		361.46	39144.46
Chryso-cryptophyte				
Chromulina sp1	2498994176		49.98	12669.04
Chroomonas acuta var2	446248960		89.25	16625.54
Chryptomonas sp4	267749376		187.42	29526.34
Chrysochromulina sp.	1249497088		93.71	19904.49
Chrysococcus sp.	2231244800		334.69	64791.97
Dinobryon sp7	89249792		31.24	5399.21
Kephyrion sp2	89249792		3.57	824.79
Small microflagellates	6425985024		64.26	17871.45
Rhodomonas sp3	267749376		26.77	5472.28
Group total	13565968384		880.90	173085.11
Dinophyte				
Gymnodinium sp1	89249792		89.25	13405.02
Peridinium sp4	1160247296		406.09	70189.71
Group total	1249497088		495.34	83594.73
Chlorophyte				
Ankistrodesmus sp3	17314459648		1385.16	291678.04
Scenedesmus sp3	535498752		107.10	19950.64
Group total	17849958400		1492.26	311628.69
Cyanophyte				
Synechococcus sp. (<2 um)	24989941760		124.95	38126.52
Group total	24989941760		124.95	38126.52
Grand Total	59975860224		3354.90	645579.50

Location Potato Patch Lake Date 01/08/95 (d m y) Stn. 1 Depth 1 Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560 × Transect length 2 mm Date Counted 04/03/96 (d m y)

Comments: Rich! & diverse. Ankistrodesmus bloom!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM	2	Achnanthes sp. 1,1,	
		Asterionella formosa	
		Fragilaria crotonensis	60
FE	4	construens 3,1,	
		sp.	200
SO	10	Synedra acus 1,3,2,2,2,	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		comta	50
CX	3	sp. 2,1,	
		Stephanodiscus sp.	
		Rhizosolenia	300
NF	4	Others Navicula 1,1,1,1,	100
DG	3	Diatoma elongatum 1,1,1,	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	28	Chromulina sp. 2,3,2,7,5,3,4,2,	75
CC	14	Chrysochromulina sp. 3,3,3,1,4,	700
YQ	3	Chryptomonas sp. 1,1,1,	200
CB	5	Chroomonas acuta 1,2,1,1,	100
RO	3	Rhodomonas sp. 2,1,	
		Mallomonas sp.	150 | 40
25	KB 1	Kephrion sp. Chrysococcus 7,4,3,3,3,2,3, | Kephrion 1,	10
YZ	72	Small microflagellates 10,11,5,11,5,5,15,10,	350
DQ	1	Others Dinobryon 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	13	Peridinium sp. 1,1,2,1,1,1,3,3,	1000
GY	1	Gymnodinium sp. 1,	—
		Others	
		4.] CHLOROPHYTES (Green algae)	80 lots!
XC	194	Ankistrodesmus sp. 15,10,12,25,13,7,10,15,25,25,20,15	200
SK	6	Scenedesmus sp. 1,1,2,1,1,	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5 lots
SC	280	Synechococcus (<2um) 15,20,25,20,19,25,30,45,50,35	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Potato Patch Lake	Station 1	29/8/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)		ug C/m3
Bacillariophyte				
Achnanthes sp2	535498752	42.84		5619.11
Diatoma elongatum var2	624748544	62.47		7764.09
Fragillaria construens var	356999168	21.42		3011.95
Navicula sp5	356999168	107.10		10204.75
Synedra arcus var2	267749376	53.55		5627.98
Tabellaria fenestrata var1	178499584	89.25		7515.82
Group total	2320494592	376.63		39743.70
Chryso-cryptophyte				
Chromulina sp1	2677493760	53.55		13573.97
Chryptomonas sp4	892497920	624.75		98421.14
Chrysochromulina sp.	1874245632	140.57		29856.73
Mallomonas sp6	89249792	66.94		10448.24
Small microflagellates	7853981696	78.54		21842.88
Group total	13387468800	964.34		174142.97
Chlorophyte				
Ankistrodesmus sp3	1606496256	128.52		27062.91
Dichtyosphaerium sp3	624748544	187.42		33070.25
Euglena sp4	89249792	357.00		44543.45
Scenedesmus sp3	1249497088	249.90		46551.50
Group total	3569991680	922.84		151228.11
Cyanophyte				
Synechococcus sp. (<2 um)	32129925120	160.65		49019.81
Group total	32129925120	160.65		49019.80
Grand Total	51407880192	2424.47		414134.59

Location Potato Patch Lake Date 29/08/95 (d m y) Stn. 1 Depth 1m Tow? yes ___ no X

Bottle Sample? yes ✓ no ___ , Magnif. 1560x Transect length 2 mm Date Counted 04/03/96 (d m y)

Comments: Rich!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	6	Achnanthes sp. 2,1,1,2,	80
		Asterionella formosa	
		Fragilaria crotonensis	
FE	4	construens 1,1,1,1,	60
		sp.	
SO	3	Synedra acus 1,1,1	200
		sp.	
		Melosira italica	
		distans	
		sp.	
IF	2	Tabellaria fenestrata 2,	500
		flocculosa	
		Cyclotella stelligera	
		comta	
		sp.	
		Stephanodiscus sp.	
		Rhizosolenia	
DG	7	Others Diatoma elongatum 1,1,1,1,1,2,	100
NF	4	Navicula 1,1,2,	300
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	30	Chromulina sp. 3,2,1,6,5,7,	20
CC	21	Chrysochromulina sp. 1,1,2,5,4,4,4,	75
YO	10	Chryptomonas sp. 1,1,3,3,1,1,	900
		Chroomonas acuta	200
		Rhodomonas sp.	100
MG	1	Mallomonas sp. 1,	700
		Kephrion sp.	
YZ	88	Small microflagellates 1,9,15,10,9,7,12,15,	10
		Others	
		3.] DINOPHYTES (Dinoflagellates)	
		Peridinium sp.	
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	18	Ankistrodesmus sp. 1,5,3,3,2,4,	200
SK	19	Scenedesmus sp. 5,3,2,1,1,2,	4000
EG	1	Desmids Euglena 1,	300
DU	7	Others Dictyosphaerium 1,1,2,1,1,1,	
		5.] CYANOPHYTES (Blue-green algae)	
SC	360	Synechococcus (<2um) 40,50,25,40,30,40,35,50,50	5
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Mission Lake Station 1 5/4/95 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella stelligera var3	156187136	23.43	2639.62
Cyclotella sp3	44624896	2.23	327.89
Diatoma elongatum var2	111562240	11.16	1386.44
Fragillaria construens var	111562240	6.69	941.24
Group total	423936512	43.51	5295.19
Chryso-cryptophyte			
Chromulina sp1	446248960	8.92	2262.33
Chryptomonas sp4	223124480	156.19	24605.29
Chrysochromulina sp.	156187136	11.71	2488.06
Dinobryon sp7	245436928	85.90	14847.82
Small microflagellates	1227184640	12.27	3412.95
Rhodomonas sp3	156187136	15.62	3192.17
Group total	2454369280	290.62	50808.61
Dinophyte			
Gymnodinium sp1	647060992	647.06	97186.41
Peridinium sp4	803248128	281.14	48592.88
Group total	1450309120	928.20	145779.28
Chlorophyte			
Ankistrodesmus sp3	111562240	8.92	1879.37
Group total	111562240	8.92	1879.37
Cyanophyte			
Synechococcus sp. (<2 um)	5243425280	26.22	7999.76
Group total	5243425280	26.22	7999.76
Grand Total	9683602432	1297.47	211762.22

Location Mission Lake Date 05/04/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no X

Bottle Sample? yes ✓ no__ , Magnif. 1560x Transect length 8 mm Date Counted 02/03/96 (d m y)

Comments:

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
FE	5	Fragilaria crotonensis	60
		construens 1,1,1,1,1	
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	7	Cyclotella stelligera 1,1,1,2,1,1,	150
		~~comta~~	
CX	2	sp. 1,1,	50
		Stephanodiscus sp.	
		Rhizosolenia	
DG	5	Others Diatoma elongatum 1,1,2,1,	100
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	20	Chromulina sp. 2,2,1,3,4,3,5,	20
CC	7	Chrysochromulina sp. 1,1,1,2,-,	75
YO	10	Chryptomonas sp. 1,1,1,1,2,2,1,1,	700
		Chroomonas acuta	
RO	7	Rhodomonas sp. 1,1,2,1,2,	
		Mallomonas sp.	
		Kephrion sp.	
YZ	55	Small microflagellates 2,7,11,12,7,8,8,	350
DQ	11	Others Dinobryon 1,2,2,1,2,1,2	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	36	Peridinium sp. 3,2,2,4,3,2,3,1,4,5,3,4,	1000 lots
GY	29	Gymnodinium sp. 1,3,4,2,1,2,5,1,3,3,2,2,	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	5	Ankistrodesmus sp. 1,1,2,1,	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	
SC	235	Synechococcus (<2um) 15,20,25,30,20,15,20,20,30,20,20,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Lots of clumping - detritus/debris.

Mission Lake Station 1 26/6/95 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp2	107099744	8.57	1123.82
Cyclotella sp3	47599888	2.38	349.75
Cymbella sp5	11899972	3.57	340.16
Diatoma elongatum var2	71399832	7.14	887.32
Fragillaria construens var	118999720	7.14	1003.98
Suriella sp.	11899972	8.33	646.66
Synedra sp5	11899972	1.19	147.89
Group total	380799072	38.32	4499.59
Chryso-cryptophyte			
Chromulina sp1	95199776	1.90	482.63
Chryptomonas sp4	35699916	24.99	3936.85
Chrysochromulina sp.	35699916	2.68	568.70
Small microflagellates	345099200	3.45	959.76
Rhodomonas sp3	47599888	4.76	972.85
Group total	559298688	37.78	6920.79
Dinophyte			
Gymnodinium sp1	71399832	71.40	10724.02
Peridinium sp4	59499860	20.82	3599.47
Group total	130899696	92.22	14323.49
Chlorophyte			
Ankistrodesmus sp3	23799944	1.90	400.93
Desmids	11899972	5.95	980.50
Dichtyosphaerium sp3	47599888	14.28	2519.64
Group total	83299808	22.13	3901.07
Cyanophyte			
Synechococcus sp. (<2 um)	1487496448	7.44	2269.44
Group total	1487496448	7.44	2269.44
Grand Total	2641793792	197.90	31914.37

Location Mission Lake Date 26/06/95 (d m y) Stn. 1 Depth 1m Tow? yes__ no X

Bottle Sample? yes ✓ no__ , Magnif. 1560 x Transect length 15 mm Date Counted 13/03/96 (d m y)

Comments: Sparse, clumped!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	9	Achnanthes sp. 3,1,2,1,1,1,	80
		Asterionella formosa	
		Fragilaria crotonensis	60
FE	10	construens 1,1,2,1,1,1,1,2,	
		sp.	
		Synedra acus	150
SD	1	sp. 1,	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
		Cyclotella stelligera	
		~~comta~~	50
CX	4	sp. 2,1,1,	
		Stephanodiscus sp.	300
CI	1	~~Rhizosolenia~~ Cymbella 1,	100
DG	6	Others Diatoma elongatum 1,1,1,1,2,	700 large.
SW	1	Surirella 1,	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX	8	Chromulina sp. 3,2,2,1,	75
CC	3	Chrysochromulina sp. 2,1,	700
YO	3	Chryptomonas sp. 1,1,1,	
		Chroomonas acuta	100
RO	4	Rhodomonas sp. 1,2,1,	
		Mallomonas sp.	
		Kephrion sp.	10
YZ	29	Small microflagellates 3,5,7,3,3,8,	
		Others	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ	5	Peridinium sp. 1,1,2,1,	1000
GY	6	~~Gymnodinium~~ sp. 1,1,1,1,1,1,	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC	2	Ankistrodesmus sp. 1,1,	
		Scenedesmus sp.	500
DM	1	Desmids 1,	300
DU	4	Others Dictyosphaerium 1,1,1,1,	
		5.] CYANOPHYTES (Blue-green algae)	5
SC	125	Synechococcus (<2um) 20,10,10,10,25,20,30,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Badly clumped - Lots of detritus.

Difficult to count.

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Mission Lake Station 1 1/8/95 Depth=1 meter(s)			
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp2	178499584	14.28	1873.04
Cyclotella comta var1	35699916	8.92	888.73
Cyclotella stelligera var3	142799664	21.42	2413.37
Cyclotella sp3	35699916	1.78	262.31
Diatoma elongatum var2	999597632	99.96	12422.55
Fragillaria construens var	928197824	55.69	7831.08
Navicula sp5	35699916	10.71	1020.47
Synedra sp5	71399832	7.14	887.32
Group total	2427594496	219.91	27598.87
Chryso-cryptophyte			
Chromulina sp1	785398144	15.71	3981.70
Chroomonas acuta var2	142799664	28.56	5320.17
Chryptomonas sp4	249899408	174.93	27557.92
Chrysochromulina sp.	606898560	45.52	9667.89
Small microflagellates	3569991680	35.70	9928.58
Rhodomonas sp3	214199488	21.42	4377.83
Group total	5569186816	321.83	60834.09
Dinophyte			
Gymnodinium sp1	214199488	214.20	32172.05
Peridinium sp4	892497920	312.37	53992.09
Group total	1106697472	526.57	86164.14
Chlorophyte			
Ankistrodesmus sp3	428398976	34.27	7216.78
Dichtyosphaerium sp3	142799664	42.84	7558.91
Quadrigula sp2	71399832	7.14	1459.28
Group total	642598464	84.25	16234.97
Cyanophyte			
Oscillatoria sp2	35699916	7.14	1330.04
Synechococcus sp. (<2 um)	13030469632	65.15	19880.25
Group total	13066169344	72.29	21210.30
Grand Total	22812246016	1224.86	212042.36

Location Mission Lake Date 01/08/95 (d m y) Stn. 1 Depth 1m Tow? yes ___ no X

Bottle Sample? yes ✓ no ___ , Magnif 1560x Transect length 5 mm Date Counted 03/03/96 (d m y)

Comments: Rich! Some clumping!

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	5	Achnanthes sp. 1, 2, 2,	80
		Asterionella formosa	
		Fragilaria crotonensis	
FE	26	construens 2, 3, 4, 4, 3, 3, 2, 5,	60
		sp.	
		Synedra acus	
SD	2	sp. 1, 1,	100
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculose	
CS	4	Cyclotella stelligera 1, 1, 1, 1,	150
Cu	1	comta 1,	
CX	1	sp. 1,	50
		Stephanodiscus sp.	
		Rhizosolenia	
DG	28	Others Diatoma elongatum 1, 3, 2, 4, 2, 3, 3, 4, 2, 4,	100
NF	1	Navicula 1,	300
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	22	Chromulina sp. 3, 2, 1, 2, 4, 3, 4, 3,	20
CC	17	Chrysochromulina sp. 2, 1, 1, 1, 4, 4, 1, 3,	75
Yo	7	Chryptomonas sp. 1, 1, 2, 1, 1, 1,	700
CB	4	Chroomonas acuta 2, 2,	200
Ro	6	Rhodomonas sp. 2, 1, 1, 2,	100
		~~Mallomonas sp.~~	
		Kephrion sp.	
YZ	100	Small microflagellates 10, 15, 10, 9, 10, 15, 11, 10, 10	10
		Others	
		3.] DINOPHYTES (Dinoflagellates)	lots
PJ	.25	Peridinium sp. 2, 5, 7, 3, 3, 1, 2, 2,	
GY	6	Gymnodinium sp. 1, 1, 1, 1, 1, 1,	
		~~Others~~	
		4.] CHLOROPHYTES (Green algae)	80
XC	12	Ankistrodesmus sp. 3, 2, 1, 1, 1, 1, 1, 1, 1,	
		Scenedesmus sp.	100
QB	2	Desmids Quadrangula 1, 1,	300
Du	4	Others-Dictyosphenium 1, 1, 1, 1,	
		5.] CYANOPHYTES (Blue-green algae)	5 lots
SC	365	Synechococcus (<2um) 25, 20, 35, 25, 20, 35, 45, 35, 35, 40, 50,	
		Anabaena sp.	200
ZP	1	Oscillatoria sp. 1,	
		Others	

Mission Lake Station 1 29/8/95 Depth=1 meter(s)

	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Achnanthes sp2	223124480	17.85	2341.29
Cyclotella stelligera var3	312374272	46.86	5279.24
Cyclotella sp3	937122816	46.86	6885.62
Synedra arcus var2	44624896	8.92	938.00
Synedra sp5	401624064	40.16	4991.20
Group total	1918870528	160.65	20435.36
Chryso-cryptophyte			
Chromulina sp1	312374272	6.25	1583.63
Chroomonas acuta var2	223124480	44.62	8312.77
Chryptomonas sp4	758623232	531.04	83657.97
Chrysochromulina sp.	446248960	33.47	7108.75
Small microflagellates	1651121152	16.51	4591.97
Rhodomonas sp3	133874688	13.39	2736.14
Group total	3525366784	645.28	107991.22
Dinophyte			
Gymnodinium sp1	133874688	133.87	20107.53
Peridinium sp4	267749376	93.71	16197.63
Group total	401624064	227.59	36305.16
Chlorophyte			
Ankistrodesmus sp3	2900618240	232.05	48863.59
Dichtyosphaerium sp3	44624896	13.39	2362.16
Euglena sp2	44624896	89.25	12217.88
Scenedesmus sp3	133874688	26.77	4987.66
Group total	3123742720	361.46	68431.29
Cyanophyte			
Oscillatoria sp2	133874688	26.77	4987.66
Synechococcus sp. (<2 um)	8032481280	40.16	12254.95
Group total	8166355968	66.94	17242.61
Grand total	17135960064	1461.91	250405.64

Location Mission Lake Date 29/08/95 (d/m/y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560x Transect length 4 mm Date Counted 03/03/96 (d/m/y)

Comments: Rich. Some clumping

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM	5	Achnanthes sp. 1, 2, 1, 1,	80
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	200
SO	1	Synedra acus 1,	100
SD	9	sp. 1, 2, 3, 2, 1,	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	7	Cyclotella stelligera 1, 2, 1, 2, 1,	150
		comta	
CX	21	sp. 1, 2, 2, 1, 2, 3, 1, 3, 4, 2,	50
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	7	Chromulina sp. 1, 3, 1, 1, 1,	
CC	10	Chrysochromulina sp. 1, 3, 3, 3,	
YO	17	Chryptomonas sp. 4, 3, 2, 5, 2, 1,	
CB	5	Chroomonas acuta 2, 1, 2,	
RO	3	~~Rhodomonas~~ sp. 1, 2,	
		~~Mallomonas~~ sp.	
		Kephrion sp.	
YZ	37	Small microflagellates 3, 5, 10, 10, 5, 4,	
		Others	
		3.] DINOPHYTES (Dinoflagellates)	
PJ	6	Peridinium sp. 1, 3, 1, 1,	
GY	3	~~Gymnodinium~~ sp. 1, 1, 1,	
		Others	
	65	**4.] CHLOROPHYTES (Green algae)** A B	80 | 80
59 XC	XC6	Ankistrodesmus sp. 7, 2, 7, 3, 6, 3, 5, 7, 8, 11, | 2, 1, 1, 1, 1,	200
SK	3	Scenedesmus sp. 1, 2,	2000 small
EP	1	~~Desmids~~ Euglena 1,	300
DU	1	~~Others~~ Dichtyosphaerium 1,	
		5.] CYANOPHYTES (Blue-green algae)	
SC	180	Synechococcus (<2um) 20, 15, 20, 25, 20, 25, 25, 20, 10	5
		Anabaena sp.	
ZP	3	Oscillatoria sp. 1, 1, 1,	200
		Others	

Post-bloom? Senescent cells, bacteria!

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Abercrombie Lake	Station 1	5/5/95	Depth=1	meter(s)
	#cells/m3		vol(mm3/m3)	ug C/m3
Bacillariophyte				
Achnanthes sp2	17849958		1.43	187.30
Asterionella formosa var3	35699916		7.14	750.40
Cyclotella comta var2	17849958		8.92	751.58
Cyclotella stelligera var3	89249792		13.39	1508.36
Cyclotella sp3	71399832		3.57	524.62
Fragillaria construens var	53549872		3.21	451.79
Melosira italica var2	35699916		8.92	888.73
Group total	321299264		46.59	5062.78
Chryso-cryptophyte				
Chromulina sp1	803248128		16.06	4072.19
Chroomonas acuta var2	142799664		28.56	5320.17
Chryptomonas sp4	71399832		49.98	7873.69
Chrysochromulina sp.	285599328		21.42	4549.60
Dinobryon sp7	107099744		37.48	6479.05
Kephyrion sp2	749698240		29.99	6928.24
Small microflagellates	1499396480		14.99	4170.00
Rhodomonas sp3	196349536		19.63	4013.01
Group total	3855590912		218.13	43405.96
Dinophyte				
Peridinium sp4	71399832		24.99	4319.37
Group total	71399832		24.99	4319.37
Chlorophyte				
Ankistrodesmus sp3	35699916		2.86	601.40
Group total	35699916		2.86	601.40
Cyanophyte				
Oscillatoria sp2	17849958		3.57	665.02
Synechococcus sp. (<2 um)	1963495424		9.82	2995.65
Group total	1981345408		13.39	3660.68
Grand Total	6265335296		305.95	57050.18

Location Abercrombie Lake Date 05/05/95 (d/m/y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 156 x Transect length 10 mm Date Counted 01/03/96 (d/m/y)

Comments: Sparse - some minor clumping of detritus.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM 1		Achnanthes sp. 1,	200
AX 2		Asterionella formosa 2,	
		Fragilaria crotonensis	60
FE 3		construens 1, 2,	
		sp.	
		Synedra acus	
		sp.	250
MJ 2		Melosira italica 1, 1,	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS 5		Cyclotella stelligera 1, 2, 1, 1,	500
CZ 1		comta 1,	50
CX 4		sp. 1, 1, 1, 1,	
		Stephanodiscus sp.	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX 45		Chromulina sp. 2, 3, 3, 4, 5, 4, 7, 4, 5, 3, 5,	75
CC 16		Chrysochromulina sp. 1, 1, 1, 2, 1, 2, 1, 4, 1, 2,	700
YO 4		Chryptomonas sp. 1, 1, 1, 1,	200
CB 8		Chroomonas acuta 1, 1, 1, 2, 2, 1,	100
RD 11		Rhodomonas sp. 1, 1, 1, 2, 2, 3, 1,	
		Mallomonas sp.	40
KB 42		Kephrion sp. 2, 3, 4, 2, 3, 5, 6, 3, 6, 5, 3,	10
YZ 87		Small microflagellates 4, 7, 5, 4, 7, 6, 11, 7, 12, 11, 10,	350
DQ 6		Others Dinobryon 1, 1, 2, 1, 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ 4		Peridinium sp. 1, 2, 1,	
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	80
XC 2		Ankistrodesmus sp. 1, 1,	
		Scenedesmus sp.	
		Desmids	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	
SC 110		Synechococcus (<2um) 5, 10, 5, 5, 10, 10, 15, 10, 10, 15, 15,	
		Anabaena sp.	200
ZP 1		Oscillatoria sp. 1	
		Others	

Abercrombie Lake	Station 1	27/6/95	Depth=1	meter(s)
	#cells/m3	vol(mm3/m3)	ug C/m3
Bacillariophyte			
Cyclotella comta var2	17849958	8.92	751.58
Cyclotella stelligera var3	124949704	18.74	2111.70
Cyclotella sp3	107099744	5.35	786.93
Cymbella sp5	17849958	5.35	510.24
Fragillaria construens var	17849958	1.07	150.60
Group total	285599328	39.45	4311.04
Chryso-cryptophyte			
Chromulina sp1	303449280	6.07	1538.38
Chroomonas acuta var2	124949704	24.99	4655.15
Chrysochromulina sp.	89249792	6.69	1421.75
Dinobryon sp7	1695746048	593.51	102584.96
Kephyrion sp2	303449280	12.14	2804.29
Mallomonas sp6	17849958	13.39	2089.65
Small microflagellates	838948032	8.39	2333.22
Rhodomonas sp3	71399832	7.14	1459.28
Group total	3445042176	672.32	118886.68
Dinophyte			
Gymnodinium sp8	17849958	89.25	10808.35
Peridinium sp4	17849958	6.25	1079.84
Group total	35699916	95.50	11888.19
Chlorophyte			
Cosmarium sp3	17849958	8.92	1470.75
Dichtyosphaerium sp3	17849958	5.35	944.86
Group total	35699916	14.28	2415.62
Cyanophyte			
Synechococcus sp. (<2 um)	642598464	3.21	980.40
Group total	642598464	3.21	980.40
Grand Total	4444639744	824.76	138481.91

Location Abercrombie Lake Date 27/06/95 (d m y) Stn. 1 Depth 1m Tow? yes___ no x

Bottle Sample? yes ✓ no___ , Magnif. 1560 Transect length 10 mm Date Counted 01/03/96 (d m y)

Comments: Sparse - Dinobryon - common! Some clumping.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
		Achnanthes sp.	
		Asterionella formosa	
		Fragilaria crotonensis	
FE	1	construens 1,	60
		sp.	
		Synedra acus	
		sp.	
		Melosira italica	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	
CS	7	Cyclotella stelligera 1,1,1,1,2,1,	150
CZ	1	comta 1,	
CX	6	sp. 1,1,1,1,2,	50
		Stephanodiscus sp.	
		Rhizosolenia	
CI	1	Others Cymbella 1,	300
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	
XX	17	Chromulina sp. 2,1,2,1,3,3,5,	20
CC	5	Chrysochromulina sp. 1,2,1,1,	75
		Chryptomonas sp.	
CB	7	Chroomonas acuta 1,2,1,2,1,	200
RO	4	Rhodomonas sp. 2,2,	100
MG	1	Mallomonas sp. 1,	750
KB	17	Kephrion sp. 3,1,2,1,2,2,3,	40
YZ	47	Small microflagellates 3,4,5,3,11,10,11,	10
DQ	95	Others Dinobryon 11,6,11,10,14,12,11,11,9,	390 lots
		3.] DINOPHYTES (Dinoflagellates)	
PJ	1	Peridinium sp. 1,	350
GR	1	Gymnodinium sp. 1,	5000 V. large
		Others	
		~~4.] CHLOROPHYTES (Green algae)~~	
		Ankistrodesmus sp.	
		Scenedesmus sp.	
XO	1	Desmids Cosmarium 1,	500
DU	1	~~Others~~ Dictyosphaerium 1,	300
		5.] CYANOPHYTES (Blue-green algae)	
SC	36	Synechococcus (<2um) 5,4,3,5,10,5,4,	5
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Abercrombie Lake	Station 1	30/7/95	Depth=1	meter(s)
	#cells/m3		vol(mm3/m3)	ug C/m3
Bacillariophyte				
Achnanthes sp2	74374832		5.95	780.43
Cyclotella comta var2	14874966		7.44	626.32
Cyclotella stelligera var3	44624896		6.69	754.18
Cyclotella sp3	178499584		8.92	1311.55
Melosira italica var2	59499864		14.87	1481.21
Stephanodiscus sp4	14874966		14.87	1059.34
Group total	386749120		58.76	6013.02
Chryso-cryptophyte				
Chromulina sp1	431374016		8.63	2186.92
Chroomonas acuta var2	237999456		47.60	8866.95
Chryptomonas sp4	14874966		10.41	1640.35
Chrysochromulina sp.	223124496		16.73	3554.37
Dinobryon succium	14874966		1.49	304.02
Dinobryon sp7	44624896		15.62	2699.60
Kephyrion sp2	431374016		17.25	3986.49
Small microflagellates	1234622208		12.35	3433.64
Rhodomonas sp3	104124760		10.41	2128.11
Group total	2736993536		140.49	28800.45
Dinophyte				
Peridinium sp4	44624896		15.62	2699.60
Group total	44624896		15.62	2699.60
Chlorophyte				
Ceratium sp2	14874966		74.37	9006.96
Group total	14874966		74.37	9006.96
Cyanophyte				
Synechococcus sp. (<2 um)	2826243584		14.13	4311.93
Group total	2826243584		14.13	4311.93
Grand Total	6009486336		303.37	50831.96

Location Abercrombie Lake Date 30/07/95 (d m y) Stn. 1 Depth 1m Tow? yes___ no X

Bottle Sample? yes ✓ no___ , Magnif. 1560 x Transect length 12 mm Date Counted 02/03/96 (d m y)

Comments: Sparse.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	
AM 5		Achnanthes sp. 1,1,1,1,1,	80
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	250
MI 4		Melosira italica 2,2,	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS 3		Cyclotella stelligera 1,1,1,	500
CZ 1		comta 1,	50
CX 12		sp. 2,1,1,1,1,2,1,1,1,	1000
SB 1		Stephanodiscus sp. 1,	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX 29		Chromulina sp. 1,2,1,2,3,4,4,3,3,2,4,	75
CC 15		Chrysochromulina sp. 1,2,3,1,1,1,1,2,1,1,1,	700
YO 1		Chryptomonas sp. 1,	200
CB 16		Chroomonas acuta 1,2,2,3,2,1,2,3,	100
RO 7		Rhodomonas sp. 1,1,2,1,1,1,	
		Mallomonas sp.	40
KB 29		Kephrion sp. 2,1,1,1,2,3,4,3,3,4,3	10
YZ 83		Small microflagellates 7,5,7,10,11,9,13,10,11,	350 | 100
3 DI 1		Others Dinobryon 1,1,1, D. sertularia 1,	
		3.] DINOPHYTES (Dinoflagellates)	350
PI 3		Peridinium sp. 1,1,1,1,	
		Gymnodinium sp.	
		Others	
		4.] CHLOROPHYTES (Green algae)	
		Ankistrodesmus sp.	
		Scenedesmus sp.	5000
YG 1		Desmids Cerasterias 1,	
		Others	
		5.] CYANOPHYTES (Blue-green algae)	5
SC 190		Synechococcus (<2um) 10,20,15,15,25,20,20,15,20,15,15,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Abercrombie Lake	Station 1	30/8/95	Depth=1	meter(s)
	#cells/m3		vol(mm3/m3)	ug C/m3
Bacillariophyte				
Achnanthes sp2	17849958		1.43	187.30
Cyclotella comta var2	17849958		8.92	751.58
Cyclotella stelligera var3	89249792		13.39	1508.36
Cyclotella sp3	124949704		6.25	918.08
Melosira italica var2	53549872		13.39	1333.09
Stephanodiscus sp4	17849958		17.85	1271.20
Group total	321299232		61.23	5969.62
Chryso-cryptophyte				
Chromulina sp1	374849120		7.50	1900.36
Chroomonas acuta var2	160649616		32.13	5985.19
Chrysochromulina sp.	124949704		9.37	1990.45
Dinobryon succium	17849958		1.78	364.82
Kephyrion sp2	89249792		3.57	824.79
Small microflagellates	1606496256		16.06	4467.86
Rhodomonas sp3	17849958		1.78	364.82
Group total	2391894272		72.20	15898.29
Dinophyte				
Gymnodinium sp6	17849958		1.78	364.82
Peridinium sp4	17849958		6.25	1079.84
Group total	35699916		8.03	1444.66
Chlorophyte				
Clamydocampsa sp.	17849958		12.49	1968.42
Dichtyosphaerium sp3	35699916		10.71	1889.73
Hemitoma sp.	392699072		58.90	11403.39
Group total	446248960		82.11	15261.54
Cyanophyte				
Synechococcus sp. (<2 um)	2052745216		10.26	3131.82
Group total	2052745216		10.26	3131.82
Grand Total	5247887360		233.83	41705.92

Location Abercrombie Lake Date 30/08/95 (d m y) Stn. 1 Depth 1m Tow? yes___ no x

Bottle Sample? yes ✓ no___ , Magnif. 560 × Transect length 10 mm Date Counted 02/03/95 (d m y)

Comments: Lots of debris - glacial? / clumps of detritus.

TOTAL CELLS		COUNT	VOLUME
		1.] BACILLARIOPHYTES (Diatoms)	80
AM 1		Achnanthes sp. 1,	
		Asterionella formosa	
		Fragilaria crotonensis	
		construens	
		sp.	
		Synedra acus	
		sp.	250
MJ 3		Melosira italica 2, 1,	
		distans	
		sp.	
		Tabellaria fenestrata	
		flocculosa	150
CS 5		Cyclotella stelligera 1, 1, 1, 1, 1,	500
CZ 1		comta 1,	50
CX 7		sp. 1, 1, 2, 1, 2,	1000
SB 1		Stephanodiscus sp. 1,	
		Rhizosolenia	
		Others	
		2.] CHRYSO-CRYPTOPHYTES (Flagellates)	20
XX 21		Chromulina sp. 3, 4, 5, 3, 2, 3, 1,	75
CC 7		Chrysochromulina sp. 1, 2, 2, 1, 1,	
		Chryptomonas sp.	200
CB 9		Chroomonas acuta 2, 2, 1, 2, 2,	100
RO 1		Rhodomonas sp. 1,	
		~~Mallomonas~~ sp.	40
KB 5		~~Kephriom~~ sp. 2, 1, 1, 1,	10
YZ 90		Small microflagellates 12, 10, 11, 10, 16, 11, 10, 10, / 1,	350 / 100
DY [redacted] 1		Others Dinobryon	
		3.] DINOPHYTES (Dinoflagellates)	350
PJ 1		Peridinium sp. 1,	100
GT 1		Gymnodinium sp. 1,	
		Others	
		4.] ~~CHLOROPHYTES~~ (Green algae)	
		Ankistrodesmus sp.	150 lots
HE 22		Scenedesmus sp. Hemitoma 5, 3, 5, 5, 4,	700
MY 1		~~Desmids~~ Clamydocampsa 1,	300
DQ 2		~~Others~~ Dictyosphaerium 1, 1,	
		5.] CYANOPHYTES (Blue-green algae)	
SC 115		Synechococcus (<2um) 15, 20, 10, 10, 10, 15, 25, 10,	
		Anabaena sp.	
		Oscillatoria sp.	
		Others	

Sparse!

Eco-Logic Ltd.