

Parameter	Unit	MEL-01																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.39	0.40	0.40	0.40	0.0067	0.003	5	0.38	0.39	0.39	0.40	0.0045	0.002	5	0.48	0.48	0.48	0.49	0.0063	0.003
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0034	0.0072	0.0021	0.001	5	<0.005	0.0087	0.0093	0.023	0.0084	0.004
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.0035	0.0072	0.0021	0.001	5	<0.0051	0.0087	0.0093	0.023	0.0084	0.004
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000
Total Kjeldahl nitrogen	mg-N/L	5	0.15	0.16	0.16	0.19	0.015	0.007	5	0.050	0.058	0.079	0.14	0.037	0.016	5	0.18	0.18	0.19	0.22	0.016	0.007
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.17	0.21	0.22	0.30	0.047	0.021	5	0.11	0.14	0.13	0.15	0.016	0.007	5	0.18	0.24	0.23	0.28	0.038	0.017
Total nitrogen (calculated)	mg-N/L	5	0.15	0.16	0.16	0.19	0.015	0.007	5	0.050	0.064	0.081	0.14	0.036	0.016	5	0.18	0.19	0.20	0.24	0.025	0.011
Total nitrogen	mg-N/L	5	0.15	0.16	0.16	0.19	0.015	0.007	5	0.050	0.064	0.081	0.14	0.036	0.016	5	0.18	0.19	0.20	0.24	0.025	0.011
Dissolved nitrogen	mg-N/L	5	0.17	0.21	0.22	0.30	0.047	0.021	5	0.11	0.14	0.13	0.16	0.019	0.008	5	0.18	0.25	0.24	0.28	0.042	0.019
Total phosphorus	mg-P/L	5	0.0058	0.0064	0.0068	0.0085	0.0011	0.000	5	0.0050	0.0055	0.0059	0.0071	0.00092	0.000	5	0.0054	0.0061	0.0063	0.0074	0.00080	0.000
Dissolved phosphorus	mg-P/L	5	0.0015	0.0018	0.0019	0.0027	0.00046	0.000	5	0.0019	0.0021	0.0021	0.0023	0.00016	0.000	5	<0.001	0.0014	0.0014	0.0020	0.00064	0.000
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00062	0.0011	0.00027	0.000	5	<0.001	<0.001	0.00072	0.0011	0.00030	0.000	5	<0.001	<0.001	0.00064	0.0012	0.00031	0.000
Parameter	Unit	MEL-02																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Min	Median	Mean	Max	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.28	0.29	0.29	0.30	0.0054	0.002	5	0.25	0.26	0.26	0.27	0.0075	0.003	5	0.28	0.28	0.28	0.29	0.0071	0.003
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	0.0071	0.0073	0.016	0.0054	0.002
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5</																				

Table 7B-3: Summary Statistics for Depth-integrated Nutrients from Melidaine Lake, 2017

Parameter	Unit	MEL-01																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.58	0.60	0.60	0.61	0.013	0.006	5	0.54	0.55	0.55	0.57	0.012	0.005	5	0.056	0.058	0.057	0.059	0.0013	0.001
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	0.0051	0.063	0.068	0.11	0.042	0.019
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00064	0.0012	0.00031	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	0.0051	0.063	0.068	0.11	0.042	0.019
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0053	0.011	0.0040	0.002	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	0.0052	0.013	0.044	0.018	0.008
Total Kjeldahl nitrogen	mg-N/L	5	0.18	0.18	0.18	0.20	0.0075	0.003	5	0.18	0.21	0.22	0.26	0.028	0.013	5	0.18	0.20	0.24	0.39	0.090	0.040
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.17	0.23	0.21	0.23	0.025	0.011	5	0.16	0.19	0.19	0.20	0.016	0.007	5	0.18	0.18	0.23	0.34	0.075	0.033
Total nitrogen (calculated)	mg-N/L	5	0.18	0.18	0.18	0.20	0.0075	0.003	5	0.18	0.21	0.22	0.26	0.028	0.013	5	0.24	0.26	0.31	0.49	0.10	0.047
Total nitrogen	mg-N/L	5	0.18	0.18	0.18	0.20	0.0075	0.003	5	0.18	0.21	0.22	0.26	0.028	0.013	5	0.24	0.26	0.31	0.49	0.10	0.047
Dissolved nitrogen	mg-N/L	5	0.17	0.23	0.21	0.23	0.025	0.011	5	0.16	0.19	0.19	0.20	0.016	0.007	5	0.24	0.27	0.30	0.44	0.084	0.038
Total phosphorus	mg-P/L	5	0.0045	0.0055	0.0054	0.0062	0.00063	0.000	5	0.0052	0.0058	0.0060	0.0068	0.00072	0.000	5	0.0065	0.0069	0.0072	0.0086	0.00085	0.000
Dissolved phosphorus	mg-P/L	5	0.0017	0.0023	0.0024	0.0033	0.00060	0.000	5	0.0020	0.0028	0.0027	0.0035	0.00058	0.000	5	0.0025	0.0030	0.0034	0.0046	0.00092	0.000
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00064	0.0012	0.00031	0.000	5	<0.001	<0.001	0.00072	0.0016	0.00049	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Parameter	Unit	MEL-02																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.35	0.35	0.35	0.36	0.0076	0.003	5	0.34	0.35	0.35	0.35	0.0041	0.002	5	0.032	0.036	0.036	0.037	0.0021	0.001
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	0.072	0.12	0.12	0.17	0.038	0.017
Nitrite	mg-N/L	5	<0.001	<0.001	0.00062	0.0011	0.00027	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	0.072	0.12	0.12	0.17	0.038	0.017
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0031	0.0054	0.0013	0.001	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000
Total Kjeldahl nitrogen	mg-N/L	5	0.13	0.16	0.16	0.17	0.015	0.007	5	0.13	0.15	0.16	0.19	0.022	0.010	5	0.15	0.19	0.19	0.23	0.030	0.014
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.12	0.15	0.15	0.17	0.016	0.007	5	0.14	0.16	0.16	0.17	0.011	0.005	5	0.15	0.19	0.18	0.21	0.025	0.011
Total nitrogen (calculated)	mg-N/L	5	0.13	0.16	0.16	0.17	0.015	0.007	5	0.13	0.15	0.16	0.19	0.022	0.010	5	0.24	0.31	0.31	0.37	0.047	0.021
Total nitrogen	mg-N/L	5	0.13	0.16	0.16	0.17	0.016	0.007	5	0.13	0.15	0.16	0.19	0.022	0.010	5	0.24	0.31	0.31	0.37	0.047	0.021
Dissolved nitrogen	mg-N/L	5	0.12	0.15	0.15	0.17	0.016	0.007	5	0.14	0.16	0.16	0.17	0.011	0.005	5	0.24	0.28	0.29	0.37	0.053	0.024
Total phosphorus	mg-P/L	5	0.0042	0.0066	0.0060	0.0077	0.0016	0.001	5	0.0035	0.0040	0.0044	0.0055	0.00088	0.000	5	0.0048	0.0067	0.0065	0.0080	0.0013	0.001
Dissolved phosphorus	mg-P/L	5	0.0019	0.0021	0.0021	0.0027	0.00033	0.000	5	0.0017	0.0023	0.0024	0.0035	0.00070	0.000	5	0.0030	0.0037	0.0037	0.0043	0.00049	0.000
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Parameter	Unit	MEL-03																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.22	0.22	0.22	0.22	0.0030	0.001	5	0.24	0.25	0.25	0.25	0.0025	0.001	5	0.026	0.027	0.027	0.027	0.00045	0.000
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	0.011	0.057	0.24	0.10	0.045
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	0.011	0.057	0.24	0.10	0.045
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0035	0.0075	0.0022	0.001	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	0.0062	0.0066	0.015	0.0049	0.002
Total Kjeldahl nitrogen	mg-N/L	5	0.10	0.13	0.12	0.14	0.014	0.006	5	0.11	0.13	0.12	0.13	0.0093	0.004	5	0.21	0.24	0.24	0.27	0.021	0.010
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.10	0.13	0.13	0.15	0.018	0.008	5	0.10	0.14	0.13	0.14	0.018	0.008	5	0.22	0.25	0.26	0.33	0.044	0.020
Total nitrogen (calculated)	mg-N/L	5	0.10	0.13	0.12	0.14	0.014	0.006	5	0.11	0.13	0.12	0.13	0.0093	0.004	5	0.24	0.27	0.30	0.45	0.084	0.038
Total nitrogen	mg-N/L	5	0.10	0.13	0.12	0.14	0.014	0.006	5	0.11	0.13	0.12	0.13	0.0093	0.004	5	0.24	0.27	0.30	0.44	0.084	0.038
Dissolved nitrogen	mg-N/L	5	0.10	0.13	0.13	0.15	0.018	0.008	5	0.10	0.14	0.13	0.14	0.018	0.008	5	0.22	0.26	0.31	0.46	0.098	0.044
Total phosphorus	mg-P/L	5	0.0045	0.0053	0.0055	0.0073	0.0011	0.000	5	0.0030	0.0037	0.0038	0.0053	0.00090	0.000	5	0.0036	0.0052	0.0052	0.0071	0.0013	0.001
Dissolved phosphorus	mg-P/L	5	0.0016	0.0023	0.0021	0.0026	0.00043	0.000	5	0.0012	0.0017	0.0020	0.0028	0.00067	0.000	5	0.0028	0.0037	0.0035	0.0041	0.00054	0.000
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00076	0.0012	0.00036	0.000	5	<0.001	0.0010	0.00086	0.0012	0.00034	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Parameter	Unit	MEL-04																				
		August																				
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error														
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.25	0.26	0.26	0.26	0.0042	0.002														
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000														
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000														
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000														
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000														
Total Kjeldahl nitrogen	mg-N/L	5	0.12	0.15	0.14	0.17	0.023	0.010														
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.13	0.14	0.14	0.17	0.015	0.007														
Total nitrogen (calculated)	mg-N/L	5	0.12	0.15	0.14	0.17	0.023	0.010														
Total nitrogen	mg-N/L	5	0.12	0.15	0.14	0.17	0.023	0.010														
Dissolved nitrogen	mg-N/L	5	0.13	0.14	0.14	0.17	0.015	0.007														
Total phosphorus	mg-P/L	5	0.0037	0.0057	0.0071	0.015	0.0042	0.002														
Dissolved phosphorus	mg-P/L	5	0.0016	0.0017	0.0018	0.0024	0.00034	0.000														
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000														
Parameter	Unit	MEL-05																				
		August																				
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error														
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.26	0.27	0.27	0.27	0.0058	0.003														
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000														
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000														
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000														
Total ammonia	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000														
Total Kjeldahl nitrogen	mg-N/L	5	0.15	0.16	0.16	0.18	0.013	0.006														
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.15	0.16	0.16	0.19	0.017	0.008														
Total nitrogen (calculated)	mg-N/L	5	0.15	0.16	0.16	0.18	0.013	0.006														
Total nitrogen	mg-N/L	5	0.15	0.16	0.16	0.18	0.013	0.006														
Dissolved nitrogen	mg-N/L	5	0.15	0.16	0.16	0.19	0.017	0.008														
Total phosphorus	mg-P/L	5	0.0032	0.0037	0.0036	0.0040	0.00032	0.000														
Dissolved phosphorus	mg-P/L	5	0.0014	0.0022	0.0024	0.0040	0.00097	0.000														
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000														

Notes: < = parameter below detection limit; mg/L=milligrams per litre;
Values below detection limits were converted to half-detects for the calculation of summary statistics.

Table 7B-4: Summary Statistics for Chlorophyll *a* from Meliadine Lake, 2015-2017

Year	Station	Season	Descriptive Statistic	Chlorophyll <i>a</i> (µg/L)
2015	MEL-01	July	Minimum	1.85
			Maximum	2.84
			Median	2.19
			Mean	2.27
			Standard Deviation	0.28
			Standard Error	0.07
		August	Minimum	0.70
			Maximum	0.97
			Median	0.87
			Mean	0.86
			Standard Deviation	0.08
			Standard Error	0.02
		September	Minimum	–
			Maximum	–
			Median	–
			Mean	–
			Standard Deviation	–
			Standard Error	–
	MEL-02	July	Minimum	1.89
			Maximum	2.60
			Median	2.44
			Mean	2.36
			Standard Deviation	0.22
			Standard Error	0.06
		August	Minimum	0.32
			Maximum	0.57
			Median	0.41
			Mean	0.45
			Standard Deviation	0.10
			Standard Error	0.02
		September	Minimum	0.40
			Maximum	0.69
			Median	0.55
			Mean	0.55
			Standard Deviation	0.08
			Standard Error	0.02
2016	MEL-01	July	Minimum	1.42
			Maximum	2.22
			Median	1.90
			Mean	1.89
			Standard Deviation	0.21
			Standard Error	0.05
		August	Minimum	1.33
			Maximum	2.27
			Median	1.90
			Mean	1.88
			Standard Deviation	0.26
			Standard Error	0.07
		September	Minimum	1.62
			Maximum	2.24
			Median	2.02
			Mean	1.99
			Standard Deviation	0.20
			Standard Error	0.05
	MEL-02	July	Minimum	1.22
			Maximum	1.70
			Median	1.40
			Mean	1.43
			Standard Deviation	0.16
			Standard Error	0.04
		August	Minimum	0.34
			Maximum	1.37
			Median	1.21
			Mean	1.15
			Standard Deviation	0.26
			Standard Error	0.07
		September	Minimum	0.96
			Maximum	1.28
			Median	1.15
			Mean	1.14
			Standard Deviation	0.10
			Standard Error	0.02

Year	Station	Season	Descriptive Statistic	Chlorophyll <i>a</i> (µg/L)
	MEL-03	July	Minimum	0.76
			Maximum	1.22
			Median	1.06
			Mean	1.05
			Standard Deviation	0.10
			Standard Error	0.03
		August	Minimum	0.46
			Maximum	0.97
			Median	0.74
			Mean	0.73
			Standard Deviation	0.12
			Standard Error	0.03
		September	Minimum	0.69
			Maximum	1.54
			Median	0.90
			Mean	1.02
			Standard Deviation	0.31
			Standard Error	0.09
	MEL-04	August	Minimum	0.78
			Maximum	1.09
			Median	0.92
			Mean	0.93
			Standard Deviation	0.09
			Standard Error	0.02
	MEL-05	August	Minimum	0.87
			Maximum	1.40
			Median	1.08
			Mean	1.10
			Standard Deviation	0.15
			Standard Error	0.04
2017	MEL-01	July	Minimum	0.85
			Maximum	2.37
			Median	1.52
			Mean	1.49
			Standard Deviation	0.34
			Standard Error	0.09
		August	Minimum	1.27
			Maximum	1.70
			Median	1.47
			Mean	1.48
			Standard Deviation	0.12
			Standard Error	0.03
		September	Minimum	0.87
			Maximum	1.84
			Median	1.46
			Mean	1.45
			Standard Deviation	0.33
			Standard Error	0.09
	MEL-02	July	Minimum	0.65
			Maximum	1.13
			Median	0.81
			Mean	0.84
			Standard Deviation	0.13
			Standard Error	0.03
		August	Minimum	0.46
			Maximum	0.72
			Median	0.62
			Mean	0.61
			Standard Deviation	0.07
			Standard Error	0.02
		September	Minimum	0.47
			Maximum	1.49
			Median	1.11
			Mean	1.11
			Standard Deviation	0.27
			Standard Error	0.07
		July	Minimum	0.35
			Maximum	0.57
			Median	0.49
			Mean	0.48
			Standard Deviation	0.06
			Standard Error	0.02

Year	Station	Season	Descriptive Statistic	Chlorophyll <i>a</i> (µg/L)
	MEL-03	August	Minimum	0.43
			Maximum	0.69
			Median	0.58
			Mean	0.57
			Standard Deviation	0.07
			Standard Error	0.02
		September	Minimum	0.39
			Maximum	0.76
			Median	0.58
			Mean	0.59
			Standard Deviation	0.10
			Standard Error	0.03
	MEL-04	August	Minimum	0.49
			Maximum	0.71
			Median	0.63
			Mean	0.61
			Standard Deviation	0.07
			Standard Error	0.02
	MEL-05	August	Minimum	0.49
			Maximum	0.68
			Median	0.58
			Mean	0.58
			Standard Deviation	0.04
			Standard Error	0.01

Notes: mg/L=micrograms per litre.
"–" = summary statistics not calculated as no samples were collected

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-01	MEL-01-02
Sample Date		19/07/2015	14/08/2015	19/09/2015	21/07/2016	11/08/2016	10/09/2016	16/07/2017	09/08/2017	04/09/2017	19/07/2015
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.393	0.231	0.339	0.385	0.395	0.482	0.6	0.568	0.056	0.389
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	0.0187	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0051	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	0.0187	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0051	< 0.0051
Total Ammonia	mg/L	0.0322	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0083	< 0.0050	0.0052	0.023
Total Kjeldahl Nitrogen	mg/L	0.116	0.129	< 0.050	0.16	0.058	0.179	0.184	0.212	0.256	0.185
Dissolved Kjeldahl Nitrogen	mg/L	0.097	< 0.050	0.094	0.295	0.135	0.275	0.216	0.192	0.269	0.148
Total Nitrogen	mg/L	0.116	0.129	< 0.050	0.16	0.058	0.179	0.184	0.212	0.261	0.185
Dissolved Nitrogen	mg/L	0.097	< 0.050	0.113	0.295	0.135	0.275	0.216	0.192	0.274	0.148
Total Phosphorus	mg/L	0.0053	0.0043	0.006	0.0064	0.0071	0.0061	0.0055	0.0058	0.0086	0.0048
Dissolved Phosphorus	mg/L	0.0022	0.0016	0.0046	0.0018	0.0022	0.002	0.0017	0.0028	0.0046	0.0023
Orthophosphate	mg/L	< 0.0010	0.0014	< 0.0010	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Notes: < = parameter below detection limit; mg/L=milligrams per litre;

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-02	MEL-01-03	MEL-01-03
Sample Date		14/08/2015	19/09/2015	21/07/2016	11/08/2016	10/09/2016	16/07/2017	09/08/2017	04/09/2017	19/07/2015	14/08/2015
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.294	0.337	0.398	0.392	0.483	0.6	0.55	0.056	0.377	0.259
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.023	< 0.0050	< 0.0050	0.0991	< 0.0050	0.0876
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.023	< 0.0051	< 0.0051	0.0991	< 0.0051	0.0876
Total Ammonia	mg/L	< 0.0050	0.0121	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0443	0.0272	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.133	0.082	0.148	0.094	0.216	0.18	0.258	0.394	0.176	0.078
Dissolved Kjeldahl Nitrogen	mg/L	0.103	0.094	0.201	0.135	0.256	0.168	0.202	0.341	0.121	< 0.050
Total Nitrogen	mg/L	0.133	0.082	0.148	0.094	0.239	0.18	0.258	0.493	0.176	0.166
Dissolved Nitrogen	mg/L	0.103	0.094	0.201	0.135	0.279	0.168	0.202	0.44	0.121	0.088
Total Phosphorus	mg/L	0.0041	0.0046	0.0073	0.0055	0.0057	0.0045	0.0067	0.0072	0.0048	0.004
Dissolved Phosphorus	mg/L	0.0013	0.0021	0.0017	0.002	0.0011	0.0033	0.0023	0.0042	0.0015	0.0014
Orthophosphate	mg/L	< 0.0010	< 0.0010	< 0.0010	0.001	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0014

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-01-03	MEL-01-03	MEL-01-03	MEL-01-03	MEL-01-03	MEL-01-03	MEL-01-04	MEL-01-04	MEL-01-04	MEL-01-04
Sample Date		21/07/2016	11/08/2016	10/09/2016	16/07/2017	09/08/2017	04/09/2017	19/07/2015	14/08/2015	19/09/2015	22/07/2016
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.392	0.389	0.478	0.599	0.56	0.058	0.389	0.37	0.332	0.4
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	0.0099	< 0.0050	< 0.0050	0.114	< 0.0050	0.0226	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	0.0099	< 0.0051	< 0.0051	0.114	< 0.0051	0.0226	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0055	0.0144	0.0093	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.161	0.05	0.179	0.196	0.23	0.184	0.114	< 0.050	0.074	0.187
Dissolved Kjeldahl Nitrogen	mg/L	0.232	0.108	0.208	0.227	0.176	0.179	0.148	0.106	< 0.050	0.169
Total Nitrogen	mg/L	0.161	0.05	0.189	0.196	0.23	0.297	0.114	< 0.050	0.074	0.187
Dissolved Nitrogen	mg/L	0.232	0.108	0.217	0.227	0.176	0.293	0.148	0.129	< 0.050	0.169
Total Phosphorus	mg/L	0.0058	0.0067	0.0074	0.0057	0.0052	0.0065	0.0052	0.0039	0.005	0.0061
Dissolved Phosphorus	mg/L	0.0027	0.0019	< 0.0010	0.0027	0.002	0.0028	0.0011	< 0.0010	0.0018	0.0019
Orthophosphate	mg/L	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-01-04	MEL-01-04	MEL-01-04	MEL-01-04	MEL-01-04	MEL-01-05	MEL-01-05	MEL-01-05	MEL-01-05	MEL-01-05
Sample Date		11/08/2016	10/09/2016	16/07/2017	09/08/2017	04/09/2017	18/07/2015	15/08/2015	19/09/2015	22/07/2016	11/08/2016
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.388	0.477	0.608	0.537	0.059	0.364	0.382	0.313	0.401	0.383
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0611	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0072
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0611	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0072
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0059	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.137	0.178	0.18	0.205	0.178	0.186	< 0.050	< 0.050	0.154	0.057
Dissolved Kjeldahl Nitrogen	mg/L	0.122	0.179	0.225	0.198	0.175	0.153	< 0.050	0.055	0.214	0.151
Total Nitrogen	mg/L	0.137	0.178	0.18	0.207	0.239	0.186	< 0.050	< 0.050	0.154	0.064
Dissolved Nitrogen	mg/L	0.122	0.179	0.225	0.199	0.236	0.153	< 0.050	0.055	0.214	0.158
Total Phosphorus	mg/L	0.0053	0.0067	0.0052	0.0068	0.0069	0.006	0.0091	0.0053	0.0085	0.005
Dissolved Phosphorus	mg/L	0.0021	0.0014	0.0023	0.0035	0.0025	0.0023	0.0021	0.0016	0.0015	0.0023
Orthophosphate	mg/L	< 0.0010	< 0.0010	0.0012	0.0016	< 0.0010	0.0011	0.0012	< 0.0010	0.0011	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-01-05	MEL-01-05	MEL-01-05	MEL-01-05	MEL-02-01	MEL-02-01	MEL-02-01	MEL-02-01	MEL-02-01	MEL-02-01
Sample Date		10/09/2016	16/07/2017	09/08/2017	04/09/2017	21/07/2015	16/08/2015	10/09/2015	23/07/2016	11/08/2016	11/09/2016
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.493	0.575	0.552	0.058	0.282	0.288	0.271	0.288	0.257	0.287
Nutrients											
Nitrate	mg/L	0.0087	< 0.0050	< 0.0050	0.0625	< 0.0050	< 0.0050	0.0085	< 0.0050	< 0.0050	0.0087
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	0.0087	< 0.0051	< 0.0051	0.0625	< 0.0051	< 0.0051	0.0085	< 0.0051	< 0.0051	0.0087
Total Ammonia	mg/L	< 0.0050	0.0109	< 0.0050	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.19	0.177	0.182	0.2	0.173	< 0.050	0.053	0.139	0.105	0.075
Dissolved Kjeldahl Nitrogen	mg/L	0.24	0.226	0.164	0.176	0.17	0.069	< 0.050	0.235	0.197	0.129
Total Nitrogen	mg/L	0.199	0.177	0.182	0.263	0.173	< 0.050	0.061	0.139	0.105	0.083
Dissolved Nitrogen	mg/L	0.249	0.226	0.164	0.238	0.17	0.069	< 0.050	0.235	0.197	0.137
Total Phosphorus	mg/L	0.0054	0.0062	0.0055	0.0066	0.0048	0.005	0.0056	0.0047	0.0125	0.0046
Dissolved Phosphorus	mg/L	0.002	0.0022	0.0029	0.003	0.0021	< 0.0010	0.0016	0.0013	0.0019	0.0024
Orthophosphate	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-02-01	MEL-02-01	MEL-02-01	MEL-02-02	MEL-02-02	MEL-02-02	MEL-02-02	MEL-02-02	MEL-02-02	MEL-02-02
Sample Date		23/07/2017	11/08/2017	05/09/2017	21/07/2015	16/08/2015	10/09/2015	23/07/2016	11/08/2016	11/09/2016	23/07/2017
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.364	0.343	0.032	0.284	0.264	0.263	0.284	0.249	0.282	0.351
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	0.0873	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0071	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	0.0873	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0071	< 0.0051
Total Ammonia	mg/L	0.0054	< 0.0050	< 0.0050	0.012	< 0.0050	0.0528	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.134	0.185	0.154	0.242	< 0.050	< 0.050	0.111	0.092	0.197	0.163
Dissolved Kjeldahl Nitrogen	mg/L	0.156	0.142	0.151	0.291	0.111	< 0.050	0.169	0.158	0.104	0.14
Total Nitrogen	mg/L	0.134	0.185	0.242	0.242	< 0.050	< 0.050	0.111	0.092	0.204	0.163
Dissolved Nitrogen	mg/L	0.156	0.142	0.238	0.291	0.111	< 0.050	0.169	0.158	0.111	0.14
Total Phosphorus	mg/L	0.0072	0.0052	0.0048	0.0059	0.0031	0.0041	0.0037	0.0052	0.0044	0.0044
Dissolved Phosphorus	mg/L	0.0027	0.0023	0.003	0.002	< 0.0010	0.0016	0.0015	0.0024	0.0028	0.0021
Orthophosphate	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.002	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-02-02	MEL-02-02	MEL-02-03	MEL-02-03	MEL-02-03	MEL-02-03	MEL-02-03	MEL-02-03	MEL-02-03	MEL-02-03
Sample Date		11/08/2017	05/09/2017	21/07/2015	16/08/2015	10/09/2015	23/07/2016	11/08/2016	11/09/2016	23/07/2017	11/08/2017
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.35	0.036	0.281	0.301	0.26	0.286	0.254	0.293	0.349	0.348
Nutrients											
Nitrate	mg/L	< 0.0050	0.168	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0157	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	0.168	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0157	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	0.0179	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0086	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.172	0.206	0.232	< 0.050	< 0.050	0.144	0.127	0.171	0.171	0.153
Dissolved Kjeldahl Nitrogen	mg/L	0.163	0.207	0.216	< 0.050	< 0.050	0.099	0.167	0.167	0.167	0.151
Total Nitrogen	mg/L	0.172	0.374	0.232	< 0.050	< 0.050	0.144	0.127	0.187	0.171	0.153
Dissolved Nitrogen	mg/L	0.163	0.374	0.216	< 0.050	< 0.050	0.099	0.167	0.183	0.167	0.151
Total Phosphorus	mg/L	0.004	0.008	0.0048	0.0045	0.0042	0.0083	0.0078	0.0052	0.0066	0.0035
Dissolved Phosphorus	mg/L	0.0017	0.0043	0.002	0.0011	0.0016	0.0016	0.0016	0.0019	0.0019	0.002
Orthophosphate	mg/L	< 0.0010	< 0.0010	0.0014	0.0012	< 0.0010	< 0.0010	0.0015	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-intregrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-02-03	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04	MEL-02-04
Sample Date		05/09/2017	21/07/2015	17/08/2015	10/09/2015	23/07/2016	11/08/2016	11/09/2016	23/07/2017	11/08/2017	05/09/2017
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.036	0.277	0.268	0.27	0.296	0.269	0.277	0.348	0.346	0.037
Nutrients											
Nitrate	mg/L	0.128	< 0.0050	0.019	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.121
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0011	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	0.128	< 0.0051	0.019	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.121
Total Ammonia	mg/L	< 0.0050	0.0082	< 0.0050	0.0081	< 0.0050	0.0176	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.177	0.129	0.096	0.116	0.098	0.131	0.216	0.163	0.138	0.186
Dissolved Kjeldahl Nitrogen	mg/L	0.154	0.164	< 0.050	< 0.050	0.153	0.136	0.135	0.149	0.158	0.194
Total Nitrogen	mg/L	0.305	0.129	0.115	0.116	0.098	0.131	0.216	0.164	0.138	0.307
Dissolved Nitrogen	mg/L	0.282	0.164	< 0.050	< 0.050	0.153	0.136	0.135	0.151	0.158	0.315
Total Phosphorus	mg/L	0.0067	0.0047	0.0014	0.0053	0.0066	0.004	0.0047	0.0042	0.0055	0.0055
Dissolved Phosphorus	mg/L	0.0034	0.002	0.005	0.0014	< 0.0010	0.0016	0.0025	0.0021	0.0035	0.0037
Orthophosphate	mg/L	< 0.0010	0.0014	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-02-05	MEL-03-01
Sample Date		21/07/2015	17/08/2015	10/09/2015	23/07/2016	11/08/2016	11/09/2016	23/07/2017	11/08/2017	05/09/2017	26/07/2016
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.281	0.223	0.268	0.295	0.261	0.276	0.362	0.354	0.037	0.204
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0718	0.0053
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0718	0.0053
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.141	0.192	< 0.050	0.114	0.097	0.103	0.144	0.134	0.234	0.184
Dissolved Kjeldahl Nitrogen	mg/L	0.14	< 0.050	0.099	0.171	0.179	0.207	0.124	0.171	0.189	0.181
Total Nitrogen	mg/L	0.141	0.192	< 0.050	0.114	0.097	0.103	0.144	0.134	0.306	0.189
Dissolved Nitrogen	mg/L	0.14	< 0.050	0.099	0.171	0.179	0.207	0.124	0.171	0.261	0.187
Total Phosphorus	mg/L	0.0044	0.0056	0.0036	0.0041	0.0067	0.0052	0.0077	0.0039	0.0073	0.0044
Dissolved Phosphorus	mg/L	0.002	0.0025	0.0012	0.0017	0.0015	0.0019	0.0019	0.0027	0.0039	0.0016
Orthophosphate	mg/L	0.0017	< 0.0010	< 0.0010	< 0.0010	0.0015	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-03-01	MEL-03-01	MEL-03-01	MEL-03-01	MEL-03-01	MEL-03-01	MEL-03-02	MEL-03-02	MEL-03-02	MEL-03-02
Sample Date		12/08/2016	12/09/2016	21/07/2017	13/08/2017	01/09/2017	05/09/2017	26/07/2016	12/08/2016	13/09/2016	21/07/2017
Sample Depth		4 m	4 m	4m	4m	4m	4m	4 m	4 m	4 m	4m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.181	0.226	0.219	0.244	0.026	0.036	0.204	0.188	0.216	0.217
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0112	0.327	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	0.0112	0.327	< 0.0051	< 0.0051	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0062	0.0111	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.075	0.119	0.128	0.128	0.245	0.269	0.175	0.219	0.163	0.129
Dissolved Kjeldahl Nitrogen	mg/L	0.142	0.174	0.102	0.136	0.248	0.265	0.189	0.194	0.194	0.151
Total Nitrogen	mg/L	0.075	0.119	0.128	0.128	0.256	0.595	0.175	0.219	0.163	0.129
Dissolved Nitrogen	mg/L	0.142	0.174	0.102	0.136	0.259	0.592	0.189	0.194	0.194	0.151
Total Phosphorus	mg/L	0.0051	0.0047	0.0073	0.003	0.0053	0.0088	0.0035	0.0046	0.0046	0.0055
Dissolved Phosphorus	mg/L	0.0017	0.002	0.0023	0.0028	0.0028	0.007	< 0.0010	0.0015	0.0022	0.0023
Orthophosphate	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-03-02	MEL-03-02	MEL-03-03	MEL-03-03	MEL-03-03	MEL-03-03	MEL-03-03	MEL-03-03	MEL-03-04	MEL-03-04
Sample Date		13/08/2017	01/09/2017	26/07/2016	12/08/2016	13/09/2016	21/07/2017	13/08/2017	01/09/2017	26/07/2016	12/08/2016
Sample Depth		4m	4m	4 m	4 m	4 m	4m	4m	4m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.244	0.027	0.199	0.179	0.219	0.223	0.245	0.027	0.196	0.186
Nutrients											
Nitrate	mg/L	< 0.0050	0.238	0.0076	< 0.0050	0.0171	< 0.0050	< 0.0050	0.0078	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	0.238	0.0076	< 0.0051	0.0171	< 0.0051	< 0.0051	0.0078	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	0.0102	< 0.0050	< 0.0050	< 0.0050	0.0073	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.127	0.207	0.177	0.137	0.127	0.117	0.108	0.234	0.202	0.055
Dissolved Kjeldahl Nitrogen	mg/L	0.143	0.225	0.238	0.16	0.173	0.118	0.113	0.25	0.261	0.142
Total Nitrogen	mg/L	0.127	0.444	0.185	0.137	0.144	0.117	0.108	0.241	0.202	0.055
Dissolved Nitrogen	mg/L	0.143	0.463	0.245	0.16	0.19	0.118	0.113	0.258	0.261	0.142
Total Phosphorus	mg/L	0.0032	0.0052	0.0031	0.0046	0.0042	0.0049	0.0038	0.0036	0.0042	0.0034
Dissolved Phosphorus	mg/L	0.0012	0.003	0.0011	0.0024	0.002	0.0026	0.0016	0.0037	0.0016	0.0013
Orthophosphate	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0013	0.0011	0.0011	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-03-04	MEL-03-04	MEL-03-04	MEL-03-04	MEL-03-05	MEL-03-05	MEL-03-05	MEL-03-05	MEL-03-05	MEL-03-05
Sample Date		22/09/2016	21/07/2017	13/08/2017	01/09/2017	26/07/2016	12/08/2016	22/09/2016	21/07/2017	13/08/2017	01/09/2017
Sample Depth		4 m	4m	4m	4m	4 m	4 m	1 m	4m	4m	4m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.237	0.215	0.25	0.027	0.193	0.191	0.23	0.219	0.246	0.027
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	0.0279	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	0.0279	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	0.0075	< 0.0050	< 0.0050	0.009	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0145
Total Kjeldahl Nitrogen	mg/L	0.057	0.1	0.131	0.241	0.203	0.098	0.133	0.135	0.119	0.266
Dissolved Kjeldahl Nitrogen	mg/L	0.099	0.135	0.138	0.33	0.271	0.143	0.146	0.131	0.102	0.222
Total Nitrogen	mg/L	0.057	0.1	0.131	0.268	0.203	0.098	0.133	0.135	0.119	0.266
Dissolved Nitrogen	mg/L	0.099	0.135	0.138	0.358	0.271	0.143	0.146	0.131	0.102	0.222
Total Phosphorus	mg/L	0.0056	0.0045	0.0053	0.0047	0.0062	0.0043	0.0058	0.0053	0.0037	0.0071
Dissolved Phosphorus	mg/L	0.003	0.0016	0.0017	0.0041	0.001	0.0016	0.0037	0.0017	0.0025	0.0037
Orthophosphate	mg/L	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	0.001	< 0.0010

Table 7B-5: Raw Depth-intregrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-04-01	MEL-04-01	MEL-04-02	MEL-04-02	MEL-04-03	MEL-04-03	MEL-04-04	MEL-04-04	MEL-04-05	MEL-04-05
Sample Date		14/08/2016	15/08/2017	14/08/2016	15/08/2017	14/08/2016	15/08/2017	14/08/2016	15/08/2017	14/08/2016	15/08/2017
Sample Depth		4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m	4 m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.232	0.261	0.186	0.256	0.19	0.264	0.189	0.262	0.186	0.254
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.146	0.12	0.112	0.153	0.107	0.118	0.08	0.155	0.068	0.169
Dissolved Kjeldahl Nitrogen	mg/L	0.191	0.126	0.078	0.138	0.106	0.147	0.105	0.168	0.084	0.141
Total Nitrogen	mg/L	0.146	0.12	0.112	0.153	0.107	0.118	0.08	0.155	0.068	0.169
Dissolved Nitrogen	mg/L	0.191	0.126	0.078	0.138	0.106	0.147	0.105	0.168	0.084	0.141
Total Phosphorus	mg/L	0.0058	0.0055	0.0043	0.0037	0.0043	0.0145	0.0046	0.0057	0.0041	0.006
Dissolved Phosphorus	mg/L	0.0019	0.0024	0.0029	0.0019	0.0023	0.0016	0.0024	0.0016	0.0032	0.0017
Orthophosphate	mg/L	0.0014	< 0.0010	0.0028	< 0.0010	< 0.0010	< 0.0010	0.0025	< 0.0010	< 0.0010	< 0.0010

Table 7B-5: Raw Depth-integrated Nutrients Data from Meliadine Lake, 2015-2017

Station		MEL-05-01	MEL-05-01	MEL-05-02	MEL-05-02	MEL-05-03	MEL-05-03	MEL-05-04	MEL-05-04	MEL-05-05	MEL-05-05
Sample Date		16/08/2016	12/08/2017	16/08/2016	12/08/2017	16/08/2016	12/08/2017	16/08/2016	12/08/2017	16/08/2016	12/08/2017
Sample Depth		4 m	4m	4 m	4m	4 m	4m	4 m	4m	4 m	4m
Parameter	Unit										
Major Ions											
Reactive silica, as SiO2	mg/L	0.207	0.27	0.2	0.272	0.199	0.26	0.196	0.259	0.207	0.265
Nutrients											
Nitrate	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Nitrite	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nitrate + Nitrite	mg/L	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
Total Ammonia	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Kjeldahl Nitrogen	mg/L	0.135	0.168	0.086	0.152	0.061	0.157	0.158	0.178	0.073	0.147
Dissolved Kjeldahl Nitrogen	mg/L	0.111	0.149	0.102	0.19	0.076	0.17	0.102	0.163	0.103	0.15
Total Nitrogen	mg/L	0.135	0.168	0.086	0.152	0.061	0.157	0.158	0.178	0.073	0.147
Dissolved Nitrogen	mg/L	0.111	0.149	0.102	0.19	0.076	0.17	0.102	0.163	0.103	0.15
Total Phosphorus	mg/L	0.0049	0.0034	0.0035	0.0037	0.0044	0.004	0.0058	0.0032	0.0041	0.0038
Dissolved Phosphorus	mg/L	0.0048	0.004	0.0025	0.0022	0.0029	0.002	0.0023	0.0014	0.0032	0.0025
Orthophosphate	mg/L	0.0014	< 0.0010	< 0.0010	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Table 7B-6: Raw Chlorophyll a Data, 2015-2017

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
2015	A8	A8-01	August	Rep 1	2.019
				Rep 2	1.874
				Rep 3	1.98
		A8-02	August	Rep 1	1.722
				Rep 2	1.502
				Rep 3	1.937
		A8-03	August	Rep 1	2.267
				Rep 2	2.287
				Rep 3	2.437
	B7	B7-01	August	Rep 1	1.436
				Rep 2	1.238
				Rep 3	1.59
			September	Rep 1	0.93
				Rep 2	0.951
				Rep 3	1.029
		B7-02	September	Rep 1	1.093
				Rep 2	1.082
				Rep 3	1.149
		B7-03	September	Rep 1	1.084
				Rep 2	1.11
				Rep 3	1.157
	D7	D7-01	July	Rep 1	4.539
				Rep 2	4.618
				Rep 3	4.563
		D7-02	July	Rep 1	4.771
				Rep 2	5.516
				Rep 3	5.143
		D7-03	July	Rep 1	5.645
				Rep 2	5.41
				Rep 3	4.994
	Meliadine	MEL-01-01	July	Rep 1	1.866
				Rep 2	1.85
				Rep 3	2.218
			August	Rep 1	0.737
				Rep 2	0.866
				Rep 3	0.702
		MEL-01-02	July	Rep 1	2.133
				Rep 2	2.194
				Rep 3	2.168
			August	Rep 1	0.954
				Rep 2	0.862
				Rep 3	0.84
		MEL-01-03	July	Rep 1	2.542
				Rep 2	2.291
				Rep 3	2.098
			August	Rep 1	0.889
				Rep 2	0.751
				Rep 3	<MDL
		MEL-01-04	July	Rep 1	2.636
				Rep 2	2.511
				Rep 3	2.839
			August	Rep 1	0.877
				Rep 2	0.899
				Rep 3	0.973
		MEL-01-05	July	Rep 1	2.134
				Rep 2	2.04
				Rep 3	2.495
			August	Rep 1	0.927
				Rep 2	0.861
				Rep 3	0.883
			July	Rep 1	2.326
				Rep 2	2.629
				Rep 3	2.573
		MEL-02-01	July	Rep 1	1.89
				Rep 2	2.546
				Rep 3	2.601
			August	Rep 1	0.392
				Rep 2	0.412
				Rep 3	0.32
			September	Rep 1	0.559
				Rep 2	0.595
				Rep 3	0.606
		MEL-02-02	July	Rep 1	2.05
				Rep 2	2.443
				Rep 3	2.088
			August	Rep 1	0.349
				Rep 2	0.349
				Rep 3	0.381

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
			September	Rep 1	0.687
				Rep 2	0.675
				Rep 3	0.541
			July	Rep 1	2.511
				Rep 2	2.38
				Rep 3	2.063
			August	Rep 1	0.533
				Rep 2	0.327
				Rep 3	0.547
			September	Rep 1	0.453
				Rep 2	0.501
				Rep 3	0.398
		MEL-02-04	July	Rep 1	2.444
				Rep 2	2.54
				Rep 3	2.412
			August	Rep 1	0.42
				Rep 2	0.573
				Rep 3	0.409
			September	Rep 1	0.528
				Rep 2	0.553
				Rep 3	0.605
		MEL-02-05	July	Rep 1	2.551
				Rep 2	2.484
				Rep 3	2.448
			August	Rep 1	0.544
				Rep 2	0.569
				Rep 3	0.551
			September	Rep 1	0.545
				Rep 2	0.52
				Rep 3	0.494
	A8	A8-01	July	Rep 1	3.1
				Rep 2	2.391
				Rep 3	2.7
			August	Rep 1	1.857
				Rep 2	1.923
				Rep 3	2.101
		A8-02	July	Rep 1	2.611
				Rep 2	2.503
				Rep 3	2.455
			August	Rep 1	2.112
				Rep 2	2.185
				Rep 3	2.302
		A8-03	July	Rep 1	2.2
				Rep 2	2.399
				Rep 3	2.082
		A8-04	August	Rep 1	2.2
				Rep 2	1.961
				Rep 3	2.072
	B7	B7-01	July	Rep 1	1.65
				Rep 2	1.569
				Rep 3	1.325
			August	Rep 1	2.984
				Rep 2	2.762
				Rep 3	2.731
		B7-02	July	Rep 1	1.9
				Rep 2	1.865
				Rep 3	2.018
			August	Rep 1	3.236
				Rep 2	2.987
				Rep 3	3.408
		B7-03	July	Rep 1	1.903
				Rep 2	2.044
				Rep 3	1.798
			August	Rep 1	3.039
				Rep 2	3.388
				Rep 3	3.373
	D7	D7-01	July	Rep 1	3.262
				Rep 2	3.682
				Rep 3	3.349
			August	Rep 1	3.804
				Rep 2	3.474
				Rep 3	3.542
		D7-02	July	Rep 1	3.458
				Rep 2	3.549
				Rep 3	3.528
			August	Rep 1	3.866
				Rep 2	3.906
				Rep 3	3.433

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
2016		D7-03	July	Rep 1	3.01
				Rep 2	3.778
				Rep 3	3.905
			August	Rep 1	4.197
				Rep 2	4.209
				Rep 3	3.723
		Mel-01-01	July	Rep 1	1.698
				Rep 2	2.031
				Rep 3	1.769
			August	Rep 1	2.269
				Rep 2	1.653
				Rep 3	1.912
			September	Rep 1	1.815
				Rep 2	1.977
				Rep 3	2.114
		Mel-01-02	July	Rep 1	1.682
				Rep 2	1.959
				Rep 3	2.207
			August	Rep 1	2.044
				Rep 2	2.063
				Rep 3	2.134
			September	Rep 1	1.929
				Rep 2	1.621
				Rep 3	2.016
		Mel-01-03	July	Rep 1	1.746
				Rep 2	2.028
				Rep 3	1.875
			August	Rep 1	1.65
				Rep 2	1.895
				Rep 3	2.259
			September	Rep 1	2.113
				Rep 2	2.243
				Rep 3	2.119
		Mel-01-04	July	Rep 1	1.421
				Rep 2	1.896
				Rep 3	2.222
			August	Rep 1	1.851
				Rep 2	1.781
				Rep 3	1.809
			September	Rep 1	2.216
				Rep 2	2.196
				Rep 3	2.122
		Mel-01-05	July	Rep 1	1.838
				Rep 2	1.935
				Rep 3	2.056
			August	Rep 1	1.334
				Rep 2	1.932
				Rep 3	1.597
			September	Rep 1	1.634
				Rep 2	1.942
				Rep 3	1.821
		Mel-02-01	July	Rep 1	1.493
				Rep 2	1.68
				Rep 3	1.704
			August	Rep 1	1.263
				Rep 2	0.337
				Rep 3	1.086
			September	Rep 1	1.198
				Rep 2	0.962
				Rep 3	1.145
		Mel-02-02	July	Rep 1	1.399
				Rep 2	1.247
				Rep 3	1.217
			August	Rep 1	0.91
				Rep 2	1.208
				Rep 3	1
			September	Rep 1	1.122
				Rep 2	0.957
				Rep 3	1.089
		Mel-02-03	July	Rep 1	1.591
				Rep 2	1.639
				Rep 3	1.381
			August	Rep 1	1.197
				Rep 2	1.372
				Rep 3	1.206
			September	Rep 1	1.22
				Rep 2	1.182
				Rep 3	1.023

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
	Meliadine	Mel-02-04	July	Rep 1	1.272
				Rep 2	1.446
				Rep 3	1.448
			August	Rep 1	1.271
				Rep 2	1.325
				Rep 3	1.184
			September	Rep 1	1.259
				Rep 2	1.145
				Rep 3	1.179
		Mel-02-05	July	Rep 1	1.365
				Rep 2	1.324
				Rep 3	1.243
			August	Rep 1	1.322
				Rep 2	1.249
				Rep 3	1.289
			September	Rep 1	1.283
				Rep 2	1.134
				Rep 3	1.155
		Mel-03-01	July	Rep 1	1.04
				Rep 2	1.037
				Rep 3	0.996
			August	Rep 1	0.763
				Rep 2	0.693
				Rep 3	0.748
			September	Rep 1	0.842
				Rep 2	1.07
				Rep 3	0.769
		Mel-03-02	July	Rep 1	1.106
				Rep 2	1.082
				Rep 3	1.011
			August	Rep 1	0.46
				Rep 2	0.659
				Rep 3	0.744
			September	Rep 1	0.774
				Rep 2	0.713
				Rep 3	0.856
		Mel-03-03	July	Rep 1	1.034
				Rep 2	0.763
				Rep 3	1.001
			August	Rep 1	0.65
				Rep 2	0.757
				Rep 3	0.708
			September	Rep 1	0.901
				Rep 2	0.69
				Rep 3	0.937
		Mel-03-04	July	Rep 1	1.069
				Rep 2	1.058
				Rep 3	1.081
			August	Rep 1	0.701
				Rep 2	0.822
				Rep 3	0.574
			September	Rep 1	1.496
				Rep 2	<MDL
				Rep 3	<MDL
		Mel-03-05	July	Rep 1	1.142
				Rep 2	1.223
				Rep 3	1.085
			August	Rep 1	0.824
				Rep 2	0.879
				Rep 3	0.965
			September	Rep 1	1.104
				Rep 2	1.536
				Rep 3	1.541
		Mel-04-01	August	Rep 1	0.78
				Rep 2	0.826
				Rep 3	0.818
		Mel-04-02	August	Rep 1	0.866
				Rep 2	0.901
				Rep 3	0.863
		Mel-04-03	August	Rep 1	0.891
				Rep 2	0.965
				Rep 3	0.946
		Mel-04-04	August	Rep 1	1.083
				Rep 2	1
				Rep 3	0.943
		Mel-04-05	August	Rep 1	1.092
				Rep 2	1.008
				Rep 3	0.915

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
		Mel-05-01	August	Rep 1	1.401
				Rep 2	1.206
				Rep 3	1.178
		Mel-05-02	August	Rep 1	1.235
				Rep 2	1.296
				Rep 3	1.112
		Mel-05-03	August	Rep 1	1.02
				Rep 2	1.079
				Rep 3	1.048
		Mel-05-04	August	Rep 1	1.044
				Rep 2	0.9
				Rep 3	0.974
		Mel-05-05	August	Rep 1	1.134
				Rep 2	0.984
				Rep 3	0.868
	A8	A8-01	July	Rep 1	1.06
				Rep 2	1.12
				Rep 3	1.17
			August	Rep 1	0.92
				Rep 2	0.92
				Rep 3	0.95
		A8-02	July	Rep 1	1.12
				Rep 2	1.2
				Rep 3	1.16
			August	Rep 1	3.11
				Rep 2	0.96
				Rep 3	0.89
		A8-03	July	Rep 1	1.35
				Rep 2	1.19
				Rep 3	1.12
			August	Rep 1	1.46
				Rep 2	1.44
				Rep 3	0.32
	B7	B7-01	July	Rep 1	0.54
				Rep 2	0.58
				Rep 3	0.47
			August	Rep 1	1.03
				Rep 2	1.18
				Rep 3	1.16
		B7-02	July	Rep 1	0.64
				Rep 2	0.64
				Rep 3	0.62
			August	Rep 1	1.15
				Rep 2	1.27
				Rep 3	1.38
		B7-03	July	Rep 1	0.73
				Rep 2	0.72
				Rep 3	0.78
			August	Rep 1	1.4
				Rep 2	1.56
				Rep 3	1.47
	D7	D7-01	July	Rep 1	1.96
				Rep 2	1.5
				Rep 3	2.08
			August	Rep 1	2.47
				Rep 2	2.32
				Rep 3	1.94
		D7-02	July	Rep 1	1.8
				Rep 2	1.95
				Rep 3	2.08
			August	Rep 1	2.16
				Rep 2	2.29
				Rep 3	2.18
		D7-03	July	Rep 1	2.09
				Rep 2	1.88
				Rep 3	2.14
			August	Rep 1	2.26
				Rep 2	2.25
				Rep 3	2.39
		Mel-01-01	July	Rep 1	1.6
				Rep 2	0.89
				Rep 3	0.85
			August	Rep 1	1.44
				Rep 2	1.7
				Rep 3	1.56
			September	Rep 1	1.84
				Rep 2	1.8
				Rep 3	0.89

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
2017	Meliadine	Mel-01-02	July	Rep 1	1.43
				Rep 2	1.52
				Rep 3	1.52
			August	Rep 1	1.47
				Rep 2	1.42
				Rep 3	1.52
			September	Rep 1	1.13
				Rep 2	0.87
				Rep 3	1.43
		Mel-01-03	July	Rep 1	1.41
				Rep 2	1.59
				Rep 3	1.55
			August	Rep 1	1.34
				Rep 2	1.27
				Rep 3	1.39
			September	Rep 1	1.21
				Rep 2	1.35
				Rep 3	1.15
		Mel-01-04	July	Rep 1	1.42
				Rep 2	1.62
				Rep 3	1.54
			August	Rep 1	1.55
				Rep 2	1.67
				Rep 3	1.59
			September	Rep 1	1.46
				Rep 2	1.68
				Rep 3	1.68
		Mel-01-05	July	Rep 1	2.37
				Rep 2	1.43
				Rep 3	1.55
			August	Rep 1	1.45
				Rep 2	1.4
				Rep 3	1.48
			September	Rep 1	1.77
				Rep 2	1.74
				Rep 3	1.69
		Mel-02-01	July	Rep 1	0.76
				Rep 2	0.66
				Rep 3	0.65
			August	Rep 1	0.66
				Rep 2	0.66
				Rep 3	0.65
			September	Rep 1	0.79
				Rep 2	1.11
				Rep 3	0.96
		Mel-02-02	July	Rep 1	0.75
				Rep 2	0.81
				Rep 3	0.84
			August	Rep 1	0.59
				Rep 2	0.65
				Rep 3	0.58
			September	Rep 1	1
				Rep 2	1.05
				Rep 3	1.45
		Mel-02-03	July	Rep 1	0.94
				Rep 2	1.06
				Rep 3	1.13
			August	Rep 1	0.6
				Rep 2	0.52
				Rep 3	0.51
			September	Rep 1	0.99
				Rep 2	1.49
				Rep 3	0.47
		Mel-02-04	July	Rep 1	0.83
				Rep 2	0.88
				Rep 3	0.8
			August	Rep 1	0.59
				Rep 2	0.63
				Rep 3	0.62
			September	Rep 1	1.19
				Rep 2	1.45
				Rep 3	1.03
		Mel-02-05	July	Rep 1	0.81
				Rep 2	0.78
				Rep 3	0.89
			August	Rep 1	0.72
				Rep 2	0.64
				Rep 3	0.46

Year	Lake	Station	Sampling Period	Replicate	Chlorophyll a (µg/L)
			September	Rep 1	1.16
				Rep 2	1.3
				Rep 3	1.22
		Mel-03-01	July	Rep 1	0.4
				Rep 2	0.43
				Rep 3	0.35
			August	Rep 1	0.6
				Rep 2	0.64
				Rep 3	0.64
			September	Rep 1	0.69
				Rep 2	0.73
				Rep 3	0.53
		Mel-03-02	July	Rep 1	0.47
				Rep 2	0.42
			August	Rep 1	0.62
				Rep 2	0.69
				Rep 3	0.61
			September	Rep 1	0.5
				Rep 2	0.55
				Rep 3	0.59
		Mel-03-03	July	Rep 1	0.49
				Rep 2	0.49
				Rep 3	0.52
			August	Rep 1	0.43
				Rep 2	0.51
				Rep 3	0.53
			September	Rep 1	0.54
				Rep 2	0.52
				Rep 3	0.58
		Mel-03-04	July	Rep 1	0.49
				Rep 2	0.5
				Rep 3	0.53
			August	Rep 1	0.51
				Rep 2	0.57
				Rep 3	0.57
			September	Rep 1	0.66
				Rep 2	0.52
				Rep 3	0.39
		Mel-03-05	July	Rep 1	0.56
				Rep 2	0.44
				Rep 3	0.57
			August	Rep 1	0.58
				Rep 2	0.51
				Rep 3	0.58
			September	Rep 1	0.76
				Rep 2	0.72
				Rep 3	0.58
		Mel-04-01	August	Rep 1	0.52
				Rep 2	0.66
				Rep 3	0.49
		Mel-04-02	August	Rep 1	0.52
				Rep 2	0.54
				Rep 3	0.54
		Mel-04-03	August	Rep 1	0.71
				Rep 2	0.63
				Rep 3	0.71
		Mel-04-04	August	Rep 1	0.66
				Rep 2	0.61
				Rep 3	0.62
		Mel-04-05	August	Rep 1	0.67
				Rep 2	0.64
				Rep 3	0.68
		Mel-05-01	August	Rep 1	0.62
				Rep 2	0.63
				Rep 3	0.6
		Mel-05-02	August	Rep 1	0.58
				Rep 2	0.49
				Rep 3	0.6
		Mel-05-03	August	Rep 1	0.68
				Rep 2	0.6
				Rep 3	0.59
		Mel-05-04	August	Rep 1	0.56
				Rep 2	0.54
				Rep 3	0.55
		Mel-05-05	August	Rep 1	0.56
				Rep 2	0.55
			August	Rep 3	0.56

Notes: mg/L=micrograms per litre;

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Table 7C-1: Summary of Total Phosphorus, Secchi Depth, and Chlorophyll a Sampling Results in Meliadine Lake, 2015 to 2017

Year	Area	Sampling Period	Total Phosphorus (mg/L)			Secchi Depth (m)			Chlorophyll a (mg/L)		
			Mean	SE	Count	Mean	SE	Count	Mean	SE	Count
2015	MEL-01	July	0.0052	0.0002	5	5.6	0.1	5	2.27	0.07	15
		August	0.0051	0.0010	5	6.0	0.2	5	0.80	0.06	15
		September	0.0052	0.0003	5	5.3	0.2	5	–	–	–
	MEL-02	July	0.0049	0.0003	5	5.7	0.1	5	2.36	0.06	15
		August	0.0039	0.0008	5	6.4	0.4	5	0.45	0.02	15
		September	0.0046	0.0004	5	6.1	0.4	5	0.55	0.02	15
2016	MEL-01	July	0.0068	0.0005	5	5.2	0.1	5	1.89	0.05	15
		August	0.0059	0.0004	5	7.0	0.0	5	1.88	0.07	15
		September	0.0063	0.0004	5	7.2	0.1	5	1.99	0.05	15
	MEL-02	July	0.0055	0.0009	5	5.1	0.1	5	1.43	0.04	15
		August	0.0072	0.0015	5	7.0	0.0	5	1.15	0.07	15
		September	0.0048	0.0002	5	7.0	0.1	5	1.14	0.02	15
	MEL-03	July	0.0043	0.0005	5	5.2	0.2	5	1.05	0.03	15
		August	0.0044	0.0003	5	7.2	0.2	5	0.73	0.03	15
		September	0.0050	0.0003	5	6.8	0.2	5	0.88	0.12	15
	MEL-04	August	0.0046	0.0003	5	7.2	0.2	5	0.93	0.02	15
	MEL-05	August	0.0045	0.0004	5	7.4	0.2	5	1.10	0.04	15
2017	MEL-01	July	0.0054	0.0003	5	5.1	0.1	5	1.49	0.09	15
		August	0.0060	0.0003	5	7.6	0.5	5	1.48	0.03	15
		September	0.0072	0.0004	5	5.5	0.2	5	1.45	0.09	15
	MEL-02	July	0.0060	0.0007	5	7.0	0.2	5	0.84	0.03	15
		August	0.0044	0.0004	5	8.5	0.3	5	0.61	0.02	15
		September	0.0065	0.0006	5	5.9	0.3	5	1.11	0.07	15
	MEL-03	July	0.0055	0.0005	5	7.2	0.2	5	0.48	0.02	14
		August	0.0038	0.0004	5	7.9	0.4	5	0.57	0.02	15
		September	0.0052	0.0006	5	7.6	0.5	5	0.59	0.03	15
	MEL-04	August	0.0071	0.0019	5	8.6	0.4	5	0.61	0.02	15
	MEL-05	August	0.0036	0.0001	5	8.9	0.5	5	0.58	0.01	15

Table 7C-2: Summary of Trophic Status Index in Meliadine Lake, 2015 to 2017

Parameter	2015			2016			2017		
	July	Aug	Sept	July	Aug	Sept	July	Aug	Sept
Near-field Exposure Area (MEL-01)									
TSI (TP)	27.9 ± 0.6	26.7 ± 2.3	27.9 ± 0.8	31.7 ± 1.0	29.7 ± 1.0	30.5 ± 0.8	28.5 ± 0.8	29.9 ± 0.8	32.5 ± 0.7
TSI (TChl)	38.6 ± 0.3	26.2 ± 2.9	-	36.8 ± 0.3	36.7 ± 0.4	37.3 ± 0.3	34.2 ± 0.6	34.4 ± 0.2	33.9 ± 0.6
TSI (Secchi)	35.1 ± 0.2	33.9 ± 0.4	35.9 ± 0.7	36.4 ± 0.4	31.9 ± 0.0	31.6 ± 0.2	36.5 ± 0.3	30.9 ± 0.9	35.4 ± 04
Trophic Status Classification	Oligotrophic ^(a)			Oligotrophic ^(a)			Oligotrophic ^(a)		
Mid-field Exposure Area (MEL-02)									
TSI (TP)	27.1 ± 0.7	22.3 ± 3.6	25.8 ± 1.2	28.0 ± 2.2	31.6 ± 2.8	26.8 ± 0.5	29.6 ± 1.8	25.4 ± 1.3	30.8 ± 1.3
TSI (TChl)	39.0 ± 0.3	22.4 ± 0.5	24.7 ± 0.4	34.1 ± 0.3	31.5 ± 0.9	31.8 ± 0.2	28.8 ± 0.4	25.6 ± 0.3	31.3 ± 0.7
TSI (Secchi)	35.0 ± 0.3	32.8 ± 0.5	29.8 ± 0.4	35.0 ± 0.9	30.8 ± 0.5	33.1 ± 0.5	31.9 ± 0.3	29.2 ± 0.5	34.5 ± 0.7
Trophic Status Classification	Oligotrophic ^(a)			Oligotrophic ^(a)			Oligotrophic ^(a)		
Meliadine Lake Reference Area 1 (MEL-03)									
TSI (TP)	-	-	-	24.7 ± 1.7	25.4 ± 1.0	27.2 ± 0.9	28.5 ± 1.2	23.1 ± 1.4	27.5 ± 1.6
TSI (TChl)	-	-	-	31.0 ± 0.3	27.4 ± 0.5	24.4 ± 3.6	23.2 ± 0.4	25.1 ± 0.3	25.3 ± 0.4
TSI (Secchi)	-	-	-	31.7 ± 0.5	30.2 ± 0.6	31.7 ± 0.6	31.6 ± 0.5	30.2 ± 0.8	30.8 ± 0.9
Trophic Status Classification	-			Oligotrophic ^(a)			Oligotrophic ^(a)		
Meliadine Lake Reference Area 2 (MEL-04)									
TSI (TP)	-	-	-	-	26.1 ± 0.9	-	-	30.8 ± 3.2	-
TSI (TChl)	-	-	-	-	29.8 ± 0.3	-	-	25.7 ± 0.3	-
TSI (Secchi)	-	-	-	-	38.6 ± 1.0	-	-	29.0 ± 0.7	-
Trophic Status Classification	-			Oligotrophic ^(a)			Oligotrophic ^(a)		
Meliadine Lake Reference Area 3 (MEL-05)									
TSI (TP)	-	-	-	-	25.8 ± 1.2	-	-	22.7 ± 0.6	-
TSI (TChl)	-	-	-	-	31.4 ± 0.3	-	-	25.2 ± 0.2	-
TSI (Secchi)	-	-	-	-	28.9 ± 0.2	-	-	28.5 ± 0.8	-
Trophic Status Classification	-			Oligotrophic ^(a)			Oligotrophic ^(a)		

a) Trophic status classification based on Carlson (1977).
TSI mean values plus/minus standard error presented. TSI=Trophic status index; TP = total phosphorus; TChl = total chlorophyll a; Secchi = Secchi Depth; “-” indicates sample not collected.

Table 7D-1: Summary Statistics for Phytoplankton Abundance, Biomass and Richness

Year	Site	Season	Abundance (cells/L)						Biomass (mg/m ³)						Richness (no. of taxa)					
			Min	Max	Median	Mean	SE	SD	Min	Max	Median	Mean	SE	SD	Min	Max	Median	Mean	SE	SD
2015	MEL-01	July	4,128,760	5,490,304	4,936,352	4,910,893	258,185	577,319	551	663	634	627	20	45	33	41	38	38	1	2.95
		August	2,144,496	3,223,312	2,784,272	2,689,406	188,936	422,473	290	364	350	336	13	29	39	46	41	42	1	2.97
		September	2,726,336	3,146,624	2,865,308	2,900,894	92,690	185,381	249	343	293	295	20	39	35	42	39	39	2	3.30
	MEL-02	July	4,219,904	4,930,736	4,862,928	4,625,510	164,279	367,338	547	675	611	606	21	47	40	42	42	41	0	1.10
		August	1,603,880	2,275,392	1,936,376	1,962,499	135,748	303,541	178	262	208	220	16	35	41	43	41	41	0	0.89
		September	1,914,992	2,277,592	2,112,960	2,078,163	67,995	152,042	182	271	234	231	16	37	33	40	40	37	2	3.58
2016	MEL-01	July	3,300,568	4,903,480	4,465,608	4,389,291	289,820	648,058	364	551	511	490	33	73	38	45	40	41	1	2.70
		August	2,572,236	3,422,032	2,885,648	2,909,414	154,628	345,759	315	446	328	351	24	54	37	41	39	39	1	1.48
		September	2,271,688	2,987,288	2,825,440	2,738,395	125,114	279,764	456	522	512	503	12	27	38	42	39	40	1	1.52
	MEL-02	July	831,976	4,251,472	3,784,632	3,264,286	617,165	1,380,023	66	495	453	375	79	176	22	44	42	38	4	9.18
		August	1,989,032	2,415,088	2,200,368	2,184,686	79,091	176,853	192	304	243	252	20	44	38	43	39	40	1	2.00
		September	1,980,664	2,263,240	2,150,496	2,126,480	50,743	113,465	268	333	295	298	11	25	32	41	37	37	2	3.39
	MEL-03	July	1,945,928	2,982,624	2,275,208	2,412,771	178,375	398,859	277	360	318	319	14	32	36	43	39	39	1	2.95
		August	1,859,688	2,284,960	2,084,392	2,087,709	80,645	180,328	208	249	236	231	8	17	33	40	37	37	1	2.49
		September	1,707,640	2,789,656	2,088,824	2,182,880	189,068	422,770	180	305	242	246	23	51	36	38	37	37	0	1.00
	MEL-04	August	944,070	2,048,272	1,847,120	1,630,267	203,485	455,007	42	204	181	156	29	65	23	40	37	35	3	6.76
	MEL-05	August	1,604,464	2,917,584	1,815,000	2,026,913	231,151	516,869	186	352	192	227	32	71	30	39	37	36	2	3.56
2017	MEL-01	July	4,178,832	4,810,456	4,286,160	4,370,493	116,312	260,081	460	600	486	512	25	56	39	44	41	41	1	2.12
		August	2,430,520	3,013,992	2,560,384	2,637,110	104,786	234,310	259	349	337	316	17	39	38	43	39	40	1	2.00
		September	1,371,112	2,128,680	1,866,208	1,818,246	130,896	292,693	158	203	190	184	9	19	32	36	32	33	1	1.73
	MEL-02	July	2,240,456	3,414,848	2,748,520	2,737,509	193,685	433,094	262	405	288	305	26	58	38	40	39	39	0	0.71
		August	1,834,152	2,275,176	2,132,480	2,106,584	73,702	164,802	181	292	209	222	19	42	39	42	40	40	1	1.30
		September	1,031,808	1,327,168	1,087,632	1,139,912	56,537	126,421	117	157	134	137	9	19	24	35	34	32	2	4.64
	MEL-03	July	2,085,792	2,518,416	2,438,192	2,339,656	90,741	202,903	210	244	224	226	7	15	31	36	35	34	1	2.07
		August	1,682,288	2,350,416	1,863,072	1,942,189	112,311	251,136	181	248	202	206	11	25	37	41	39	39	1	1.58
		September	1,027,144	1,569,344	1,273,200	1,268,486	90,327	201,978	95	167	146	139	12	27	26	29	27	28	1	1.34
	MEL-04	August	1,864,872	2,301,896	2,086,976	2,093,600	77,358	172,977	173	233	202	201	10	22	34	39	36	36	1	1.87
	MEL-05	August	1,829,352	2,704,016	2,104,544	2,176,504	169,119	378,161	197	255	204	216	11	25	33	45	42	41	2	4.76

Notes: Min=Minimum; Max=Maximum; SD=Standard deviation; SE=Standard error; cells/L=cells per litre; mg/m³=milligrams per cubic metre; no. of taxa=number of taxa

Table 7D-2: Relative Abundance of Major Phytoplankton Groups

Year	Site	Season	Relative Abundance (%)						Relative Biomass (%)					
			Cyanophyte	Chlorophyte	Chrysophyte	Diatoms	Cryptophytes	Dinoflagellates	Cyanophyte	Chlorophyte	Chrysophyte	Diatoms	Cryptophytes	Dinoflagellates
2015	MEL-01	July	0.24	0.87	85.26	11.46	2.04	0.14	0.08	0.82	74.02	7.51	3.52	13.95
		August	0.43	8.59	77.85	9.68	3.21	0.24	0.16	6.96	62.61	10.00	5.23	14.95
		September	0.08	8.52	77.58	6.44	6.80	0.58	0.06	3.19	56.45	13.01	13.12	14.02
	MEL-02	July	0.00	0.95	84.08	12.86	1.91	0.19	0.01	1.08	78.66	7.80	3.32	9.07
		August	0.02	10.00	72.02	7.79	9.87	0.30	0.24	8.12	57.38	9.31	14.97	9.99
		September	0.01	6.34	74.96	10.24	8.25	0.20	0.39	10.45	61.03	8.68	10.29	9.05
2016	MEL-01	July	0.00	2.57	73.18	22.16	1.93	0.16	0.01	2.02	65.79	17.83	3.79	10.48
		August	0.81	8.86	80.70	4.10	5.17	0.36	0.80	6.07	69.32	4.19	7.45	12.17
		September	0.00	5.30	81.87	6.89	5.37	0.56	0.04	1.71	75.80	3.83	5.51	13.09
	MEL-02	July	1.09	2.79	82.47	10.48	3.07	0.09	1.15	2.05	76.93	9.55	5.47	4.86
		August	0.20	9.09	76.61	3.83	9.74	0.53	0.10	5.38	54.97	12.65	14.41	12.47
		September	1.22	3.84	82.76	5.18	6.76	0.24	0.57	2.63	66.93	8.86	8.99	12.02
	MEL-03	July	0.54	6.56	83.03	3.95	5.64	0.27	0.61	1.91	74.93	6.20	6.52	9.83
		August	0.14	9.48	78.15	3.41	8.52	0.30	0.06	5.08	71.31	4.47	11.20	7.88
		September	0.00	3.61	82.81	7.45	5.89	0.24	0.00	2.37	73.86	9.55	7.72	6.50
	MEL-04	August	0.62	14.18	70.37	4.34	10.26	0.23	0.27	5.96	66.19	7.52	15.46	4.60
	MEL-05	August	0.64	8.29	73.15	3.05	14.63	0.24	0.28	4.91	58.93	6.48	21.00	8.39
2017	MEL-01	July	0.14	2.95	84.95	7.53	3.92	0.51	0.06	3.16	73.66	6.46	4.10	12.57
		August	0.02	8.19	78.21	3.74	9.24	0.60	0.11	6.10	59.62	5.24	12.03	16.89
		September	0.00	11.91	70.06	12.06	5.50	0.45	0.02	6.59	50.03	18.52	7.69	17.03
	MEL-02	July	0.16	3.11	88.27	3.44	4.81	0.21	0.36	3.36	81.99	2.86	4.26	7.17
		August	0.28	14.20	70.29	4.14	10.58	0.51	1.01	11.52	55.15	6.90	16.14	9.27
		September	0.01	7.57	74.18	13.52	4.16	0.57	0.03	8.05	57.46	17.31	5.90	11.25
	MEL-03	July	0.01	1.70	88.82	4.59	4.70	0.19	0.03	1.93	82.71	3.42	5.42	6.49
		August	0.00	6.66	80.54	2.77	9.58	0.45	0.10	3.98	66.07	3.56	13.72	12.37
		September	0.00	5.98	81.55	6.62	5.62	0.22	0.02	4.98	68.79	9.44	6.86	9.91
	MEL-04	August	1.65	7.70	74.78	2.73	13.01	0.13	5.80	3.97	60.19	4.39	20.79	4.86
	MEL-05	August	0.00	8.15	75.57	3.75	12.28	0.25	0.02	4.33	64.35	5.12	19.48	6.71

Notes: %=percent

Table 7D-3: Raw Phytoplankton Data, 2015

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-01	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	28,736	0.81
				<i>Chlamydomonas</i> spp.	200	0.61
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
			Chrysophyceae	Small chrysophyceae	208,336	3.92
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	919,552	60.14
				<i>Chrysococcus</i> sp.	675,296	41.60
				<i>Chrysostephanospaera globulifera</i> Scherfffel	21,552	8.50
				<i>Kephyrion</i> sp.	21,552	0.22
				<i>Spiniferomonas sirrata</i>	21,552	1.98
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.75
				<i>Dinobryon bavaricum</i> Imhof	100,576	22.75
				<i>Dinobryon bavaricum</i> Imhof	5,200	11.05
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	2,000	6.78
				<i>Dinobryon sociale</i> Ehrenberg	129,312	29.25
				<i>Dinobryon sociale</i> Ehrenberg	3,000	3.68
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	43,104	1.27
				<i>Uroglena volvox</i> Ehrenberg	1,810,368	204.75
				<i>Uroglena volvox</i> Ehrenberg	1,200	13.56
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	50,288	2.57
				<i>Chrysochromulina laurentiana</i> Kling	136,496	52.10
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	122,128	4.18
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.69
				<i>Rhizosolenia eriense</i> H.L. Smith	330,464	25.71
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,600	1.24
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	1,600	1.96
				<i>Synedra acus</i> Kutzing	30,000	2.80
				<i>Asterionella formosa</i> Hassall	4,400	0.44
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	2.11
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	57,472	8.67
				<i>Cryptomonas erosa</i> Ehrenberg	5,800	7.08
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,400	1.03
				<i>Cryptomonas rostratiformis</i> Skuja	1,200	2.71
				<i>Katablepharis ovalis</i> Skuja	35,920	1.45
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	1,600	41.47
				<i>Gymnodinium</i> sp.	2,200	34.32
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.13
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	3.86
				<i>Peridinium aciculiferum</i> Lemmermann	1,200	10.86
MEL - 01-01	1	August	Chlorophyceae	<i>Pyramidomonas tetrahynchus</i> Schmarda	400	0.20
				<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Oocystis lacustris</i> Chodat	21,552	0.57
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	14,368	0.99
				<i>Crucigenia quadrata</i> Morr.	28,736	0.04
				<i>Elakatothrix gelatinosa</i> Willen	50,288	0.87
				<i>Micrasterias</i> sp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.12
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	21,552	4.88
				<i>Botryococcus braunii</i> Kutzing	800	0.42
				<i>Monomastix minuta</i> Skuja	7,184	0.14
			Chrysophyceae	Small chrysophyceae	380,752	5.37
				Large chrysophyceae	7,184	6.50
				<i>Chrysochromulina parva</i> Lackey	100,576	6.58
				<i>Chrysococcus</i> sp.	423,856	21.62
				<i>Kephyrion</i> sp.	93,392	1.20
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	7.17
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	136,496	30.88
				<i>Dinobryon sociale</i> Ehrenberg	600	0.74
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	1.72
				<i>Uroglena volvox</i> Ehrenberg	280,176	31.69
				<i>Chrysochromulina laurentiana</i> Kling	71,840	28.35
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	129,312	3.88
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	7.97
				<i>Cyclotella ocellata</i> Pant.	7,184	0.51
				<i>Rhizosolenia eriense</i> H.L. Smith	100,576	6.40
				<i>Synedra acus</i> Kutzing	6,200	0.59
				<i>Asterionella formosa</i> Hassall	2,600	0.26
				<i>Cyclotella michiganiana</i> Skvortzow	150,864	2.88

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	57,472	8.67
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.37
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.23
				<i>Katablepharis ovalis</i> Skuja	7,184	0.35
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	2,400	45.16
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	3.61
				<i>Peridinium aciculiferum</i> Lemmermann	800	7.24
MEL - 01-01	1	September	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.38
				<i>Oocystis lacustris</i> Chodat	158,048	3.62
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.07
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	71,840	1.91
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Monomastix minuta</i> Skuja	7,184	0.11
			Chrysophyceae	Small chrysophyceae	502,880	4.63
				Large chrysophyceae	28,736	4.94
				<i>Chrysochromulina parva</i> Lackey	122,128	7.52
				<i>Chrysococcus</i> sp.	574,720	33.28
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	1.65
				<i>Kephyrion boreale</i> Skuja	14,368	1.32
				<i>Kephyrion</i> sp.	136,496	2.57
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	2,200	4.38
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Dinobryon sociale</i> Ehrenberg	21,552	4.71
				<i>Dinobryon sociale</i> Ehrenberg	800	0.98
				<i>Uroglena volvox</i> Ehrenberg	107,760	12.19
				<i>Chrysochromulina laurentiana</i> Kling	100,576	38.39
				<i>Stichogloea</i> spp.	14,368	0.76
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	237,072	10.53
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.82
				<i>Cyclotella pseudostelligera</i>	7,184	3.55
				<i>Cyclotella ocellata</i> Pant.	7,184	0.48
				<i>Rhizosolenia erienne</i> H.L. Smith	7,184	0.61
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,800	4.03
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.23
				<i>Synedra acus</i> Kutzing	6,200	0.59
				<i>Asterionella formosa</i> Hassall	175,800	17.67
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	1.65
				<i>Rhopalodia gibba</i> (Ehrenberg) O. Muller	200	6.67
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	251,440	36.96
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	2.80
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	0.88
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.40
				<i>Katablepharis ovalis</i> Skuja	50,288	2.30
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	8.67
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,000	3.28
				<i>Peridinium aciculiferum</i> Lemmermann	1,200	10.86
			Cyanobacteria	<i>Snowella</i> sp.	400	0.21
			Chlorophyceae	<i>Carteria</i> spp.	7,184	1.08
				<i>Chlamydomonas</i> spp.	7,184	0.19
				<i>Sphaerocystis schroeteri</i> Chodat	35,920	1.20
				<i>Pediastrum tetras</i> (Ehrenberg) Ralfs	28,736	0.32
				<i>Oocystis lacustris</i> Chodat	35,920	0.93
				<i>Elakatothrix gelatinosa</i> Willen	50,288	1.34
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.21
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	64,656	2.44
				<i>Mougeotia</i> sp.	7,184	1.63
				<i>Mougeotia</i> sp.	1,200	1.40
				<i>Scenedesmus ecornis</i>	28,736	0.45
			Chrysophyceae	Small chrysophyceae	395,120	3.64
				Large chrysophyceae	93,392	16.06
				<i>Chrysochromulina parva</i> Lackey	323,280	19.91
				<i>Chrysococcus</i> sp.	272,992	15.81
				<i>Kephyrion boreale</i> Skuja	14,368	1.79
				<i>Kephyrion</i> sp.	57,472	1.08
				<i>Spiniferomonas sirrata</i>	7,184	0.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	1.05
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.44
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-01	2	September		<i>Dinobryon bavaricum</i> Imhof	1,800	3.58
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.67
				<i>Dinobryon sociale</i> Ehrenberg	400	0.49
				<i>Uroglena volvox</i> Ehrenberg	201,152	22.75
				<i>Chrysosphaerella longispina</i> Lauterborn	200	3.52
				<i>Chrysochromulina laurentiana</i> Kling	28,736	10.97
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	466,960	20.73
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,400	6.18
				<i>Cyclotella ocellata</i> Pant.	28,736	1.93
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	600	0.50
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.25
				<i>Fragilaria crotonensis</i> Kitton	400	0.14
				<i>Synedra acus</i> Kutzing	7,200	0.69
				<i>Asterionella formosa</i> Hassall	14,400	1.45
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	0.96
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	186,784	27.46
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	4.39
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.29
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	400	3.72
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.30
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,000	3.28
				<i>Peridinium aciculiferum</i> Lemmermann	2,000	18.10
MEL - 01-02	1	July	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	28,736	1.11
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.20
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.35
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	7,184	1.63
			Chrysophyceae	Small chrysophyceae	330,464	6.21
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	826,160	54.03
				<i>Chrysococcus</i> sp.	581,904	38.06
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	114,944	1.62
				<i>Spiniferomonas sirrata</i>	14,368	2.16
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.86
				<i>Dinobryon bavaricum</i> Imhof	143,680	32.50
				<i>Dinobryon bavaricum</i> Imhof	5,400	13.69
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	3,200	10.85
				<i>Dinobryon sociale</i> Ehrenberg	158,048	35.75
				<i>Dinobryon sociale</i> Ehrenberg	2,200	2.70
				<i>Epiphyxis</i> sp.	21,552	1.73
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	93,392	3.01
				<i>Uroglena volvox</i> Ehrenberg	2,090,544	236.44
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.72
				<i>Chrysochromulina laurentiana</i> Kling	71,840	27.42
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.98
			Bacillariophyceae	<i>Cyclotella pseudostelligera</i>	600	1.09
				<i>Cyclotella ocellata</i> Pant.	14,368	1.05
				<i>Rhizosolenia eriense</i> H.L. Smith	481,328	37.45
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,400	1.04
				<i>Fragilaria crotonensis</i> Kitton	4,000	1.44
				<i>Synedra acus</i> Kutzing	40,200	3.92
				<i>Asterionella formosa</i> Hassall	1,400	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.46
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	50,288	7.58
				<i>Cryptomonas erosa</i> Ehrenberg	8,000	9.73
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	3,000	2.20
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.27
				<i>Katablepharis ovalis</i> Skuja	35,920	1.45
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	1,400	21.84
				<i>Gymnodinium helveticum</i> Penard	1,600	37.70
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	13.47
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.00
				<i>Peridinium aciculiferum</i> Lemmermann	2,400	21.71
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.41
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	14,368	3.25
				Small chrysophyceae	294,544	5.54
				Large chrysophyceae	86,208	15.48
				<i>Chrysochromulina parva</i> Lackey	603,456	39.47

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-02	2	July	Chrysophyceae	<i>Chrysococcus</i> sp.	301,728	19.73
				<i>Chrysostephanospaera globulifera</i> Scherffel	35,920	12.82
				<i>Kephyrion</i> sp.	100,576	1.73
				<i>Spiniferomonas sirrata</i>	7,184	0.81
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.44
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	93,392	21.13
				<i>Dinobryon bavaricum</i> Imhof	5,600	11.15
				<i>Dinobryon sertularia</i> Ehrenberg	86,208	19.50
				<i>Dinobryon sertularia</i> Ehrenberg	2,800	9.49
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sociale</i> Ehrenberg	2,200	2.70
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	71,840	2.26
				<i>Uroglena volvox</i> Ehrenberg	2,011,520	227.50
				<i>Uroglena volvox</i> Ehrenberg	200	4.72
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.37
				<i>Chrysochromulina laurentiana</i> Kling	100,576	39.69
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	107,760	3.30
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.82
				<i>Cyclotella ocellata</i> Pant.	28,736	3.00
				<i>Rhizosolenia eriense</i> H.L. Smith	431,040	33.53
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,400	1.06
				<i>Fragilaria crotonensis</i> Kitton	16,400	5.63
				<i>Synedra acus</i> Kutzing	10,800	1.09
				<i>Asterionella formosa</i> Hassall	4,200	0.44
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.32
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	6.18
				<i>Cryptomonas erosa</i> Ehrenberg	4,800	5.79
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.27
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.27
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	1,800	25.45
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	3.79
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.48
MEL - 01-02	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	28,736	1.61
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	28,736	0.81
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.07
				<i>Crucigenia quadrata</i> Morr.	28,736	0.04
				<i>Quadrigula closterioides</i> (Bohl.) Printz	86,208	2.46
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Staurodesmus paradoxum</i> Meyen	200	1.01
				<i>Staurodesmus bullardii</i> G.M. Smith	200	0.46
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	107,760	24.38
				<i>Mougeotia</i> sp.	200	0.31
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				<i>Ankistrodesmus spiralis</i> Lemmermann	28,736	1.54
				<i>Monomastix minuta</i> Skuja	7,184	0.13
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	1.69
			Chrysophyceae	Small chrysophyceae	510,064	9.59
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	366,384	23.96
				<i>Chrysococcus</i> sp.	402,304	26.31
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	86,208	1.22
				<i>Spiniferomonas sirrata</i>	14,368	2.16
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	3,400	6.77
				<i>Dinobryon sociale</i> Ehrenberg	193,968	43.88
				<i>Dinobryon sociale</i> Ehrenberg	800	0.98
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.93
				<i>Uroglena volvox</i> Ehrenberg	589,088	66.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	93,392	35.65
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.74
				<i>Pteridomonas</i> sp.	7,184	1.59
				<i>Cyclotella stelligera</i> Cleve and Grunow	2,800	4.60
				<i>Cyclotella ocellata</i> Pant.	14,368	0.97
				<i>Rhizosolenia eriense</i> H.L. Smith	136,496	10.62

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,400	1.07
				<i>Fragilaria crotonensis</i> Kitton	3,000	1.11
				<i>Synedra acus</i> Kutzing	10,800	1.03
				<i>Asterionella formosa</i> Hassall	4,000	0.39
				<i>Cyclotella michiganiana</i> Skvortzow	172,416	4.22
				<i>Rhopalodia gibba</i> (Ehrenberg) O. Muller	200	6.97
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	9.75
				<i>Cryptomonas erosa</i> Ehrenberg	4,600	5.41
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.17
				<i>Cryptomonas rostratiformis</i> Skuja	1,200	2.63
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium</i> sp.	2,400	22.09
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	5.32
MEL - 01-02	1	September	Cyanobacteria	<i>Nostoc</i> sp.	200	0.47
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.37
				<i>Sphaerocystis schroeteri</i> Chodat	114,944	3.57
				<i>Oocystis lacustris</i> Chodat	7,184	0.20
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.32
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.23
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.33
				<i>Staurodesmus bullardii</i> G.M. Smith	400	1.10
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	1,000	1.44
				<i>Euglena acus</i> Ehrenberg	200	1.87
			Chrysophyceae	Small chrysophyceae	481,328	8.28
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	431,040	28.19
				<i>Chrysococcus</i> sp.	531,616	34.77
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	143,680	2.47
				<i>Spiniferomonas sirrata</i>	14,368	1.71
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.82
				<i>Dinobryon bavaricum</i> Imhof	86,208	19.50
				<i>Dinobryon bavaricum</i> Imhof	3,200	6.37
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sociale</i> Ehrenberg	400	0.49
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.49
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	136,496	4.67
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,800	5.97
				<i>Cyclotella ocellata</i> Pant.	14,368	1.24
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	9,000	6.53
				<i>Fragilaria crotonensis</i> Kitton	2,600	0.96
				<i>Synedra acus</i> Kutzing	2,200	0.21
				<i>Asterionella formosa</i> Hassall	148,600	14.47
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.46
				<i>Rhopalodia gibba</i> (Ehrenberg) O. Muller	200	11.15
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	26.00
				<i>Cryptomonas erosa</i> Ehrenberg	5,800	7.06
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.56
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.62
			Cryptophyceae	<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium</i> sp.	800	12.48
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	13.47
				<i>Peridinium pusillum</i> (Penard) Lemmermann	400	0.67
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
			Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	28,736	1.11
				<i>Snowella</i> sp	200	0.20
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.15
				<i>Oocystis lacustris</i> Chodat	35,920	1.02
				<i>Staurodesmus paradoxum</i> Meyen	200	1.21
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	7,184	1.68
				<i>Mougeotia</i> sp.	3,200	12.82
				<i>Monomastix minuta</i> Skuja	7,184	0.28
				Small chrysophyceae	201,152	3.14
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	898,000	58.73
				<i>Chrysococcus</i> sp.	704,032	46.04
				<i>Kephyrion boreale</i> Skuja	21,552	2.56
				<i>Kephyrion</i> sp.	93,392	1.46
				<i>Spiniferomonas sirrata</i>	28,736	4.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-03	1	July	Chrysophyceae	<i>Dinobryon borgei</i> Lemmermann	57,472	3.55
				<i>Dinobryon bavaricum</i> Imhof	150,864	34.13
				<i>Dinobryon bavaricum</i> Imhof	3,000	5.97
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	3,400	11.53
				<i>Dinobryon sociale</i> Ehrenberg	93,392	21.13
				<i>Dinobryon sociale</i> Ehrenberg	2,600	3.19
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	1.72
				<i>Uroglena volvox</i> Ehrenberg	2,033,072	229.94
				<i>Chrysosphaerella longispina</i> Lauterborn	35,920	18.81
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	21,552	1.08
				<i>Chrysochromulina laurentiana</i> Kling	93,392	38.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.85
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	600	0.94
				<i>Rhizosolenia erienze</i> H.L. Smith	589,088	45.83
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,600	3.55
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	800	1.19
				<i>Fragilaria crotonensis</i> Kitton	11,200	4.03
				<i>Synedra acus</i> Kutzing	15,000	1.46
				<i>Asterionella formosa</i> Hassall	2,000	0.20
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.94
				<i>Cyclotella bodanica</i> Eulenst.	200	1.17
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	9.18
				<i>Cryptomonas erosa</i> Ehrenberg	4,600	5.60
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,400	0.98
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
				<i>Katablepharis ovalis</i> Skuja	21,552	0.99
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	800	18.85
				<i>Gymnodinium</i> sp.	1,400	21.84
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	3.00
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.96
MEL - 01-03	1-QA	July	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	28,736	1.11
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.13
				<i>Oocystis lacustris</i> Chodat	28,736	0.81
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Staurodesmus paradoxum</i> Meyen	600	3.63
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	14,368	3.25
				<i>Mougeotia</i> sp.	2,000	8.01
				<i>Monomastix minuta</i> Skuja	21,552	0.84
			Chrysophyceae	Small chrysophyceae	258,624	4.03
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	854,896	55.91
				<i>Chrysococcus</i> sp.	747,136	48.86
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.15
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	100,576	1.57
				<i>Spiniferomonas sirrata</i>	50,288	7.57
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.78
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	186,784	42.25
				<i>Dinobryon bavaricum</i> Imhof	2,400	4.78
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	4,200	14.24
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sociale</i> Ehrenberg	3,800	4.66
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	1.23
				<i>Uroglena volvox</i> Ehrenberg	1,982,784	224.25
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.72
				<i>Chrysochromulina laurentiana</i> Kling	86,208	35.15
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.21
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	400	0.63
				<i>Cyclotella ocellata</i> Pant.	7,184	0.78
				<i>Rhizosolenia erienze</i> H.L. Smith	653,744	50.86
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,000	2.32
				<i>Fragilaria crotonensis</i> Kitton	8,600	3.10
				<i>Synedra acus</i> Kutzing	14,000	1.36
				<i>Asterionella formosa</i> Hassall	3,200	0.32
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.46
				<i>Cyclotella bodanica</i> Eulenst.	200	1.17
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	10.20
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	6.33
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.70
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.70

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Dinophyceae	<i>Katablepharis ovalis</i> Skuja	14,368	0.66
				<i>Gymnodinium helveticum</i> Penard	1,200	28.27
				<i>Gymnodinium</i> sp.	1,400	21.84
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	8.98
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.14
				<i>Peridinium aciculiferum</i> Lemmermann	1,800	16.83
MEL - 01-03	1	August	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	28,736	1.11
			Chlorophyceae	<i>Pyramidomonas tetrahynchus</i> Schmarda	400	0.21
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.54
				<i>Oocystis lacustris</i> Chodat	50,288	2.53
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.56
				<i>Cosmarium</i> sp.	200	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.41
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	57,472	11.56
			Chrysophyceae	Small chrysophyceae	474,144	6.69
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	265,808	17.38
				<i>Chrysococcus</i> sp.	366,384	23.96
				<i>Kephyrion boreale</i> Skuja	28,736	3.09
				<i>Kephyrion</i> sp.	35,920	0.51
				<i>Spiniferomonas sirrata</i>	14,368	2.16
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,600	1.73
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.54
				<i>Dinobryon mucronutum</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	2,400	4.78
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	86,208	19.50
				<i>Dinobryon sociale</i> Ehrenberg	400	0.49
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	28,736	0.85
				<i>Uroglena volvox</i> Ehrenberg	459,776	52.00
				<i>Chrysosphaerella longispina</i> Lauterborn	200	4.61
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.72
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.19
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.69
				<i>Pteridomonas</i> sp.	7,184	1.33
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,400	5.34
				<i>Cyclotella ocellata</i> Pant.	14,368	1.24
				<i>Rhizosolenia erianse</i> H.L. Smith	150,864	10.67
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzin	3,800	2.97
				<i>Fragilaria crotonensis</i> Kitton	3,400	1.22
				<i>Synedra acus</i> Kutzin	3,600	0.35
				<i>Asterionella formosa</i> Hassall	1,600	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	129,312	3.17
				<i>Cyclotella bodanica</i> Eulens.	7,184	53.51
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	100,576	14.28
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.43
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.09
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.82
				<i>Katablepharis ovalis</i> Skuja	21,552	0.99
			Dinophyceae	<i>Gymnodinium</i> sp.	1,800	28.08
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,400	9.44
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
			Cyanobacteria	<i>Snowella</i> sp	200	0.22
			Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.10
				<i>Oocystis lacustris</i> Chodat	7,184	0.20
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Mougeotia</i> sp.	7,184	1.53
				<i>Botryococcus braunii</i> Kutzin	200	0.43
			Chrysophyceae	Small chrysophyceae	186,784	2.63
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	625,008	40.88
				<i>Chrysococcus</i> sp.	136,496	6.96
				<i>Kephyrion</i> sp.	114,944	1.98
				<i>Spiniferomonas sirrata</i>	35,920	3.30
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.85
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon bavaricum</i> Imhof	193,968	43.88
				<i>Dinobryon bavaricum</i> Imhof	4,600	15.59
				<i>Dinobryon sertularia</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-04	1	July		<i>Dinobryon sociale</i> Ehrenberg	3,000	5.97
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	79,024	2.37
				<i>Ochromonas</i> sp.	14,368	1.88
				<i>Uroglena volvox</i> Ehrenberg	2,119,280	239.69
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.39
				<i>Chrysochromulina laurentiana</i> Kling	107,760	41.13
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	1.49
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.97
				<i>Cyclotella pseudostelligera</i>	7,184	3.87
				<i>Cyclotella ocellata</i> Pant.	21,552	1.86
				<i>Rhizosolenia erienze</i> H.L. Smith	416,672	32.42
				<i>Fragilaria crotonensis</i> Kitton	22,800	8.21
				<i>Synedra acus</i> Kutzing	6,200	0.59
				<i>Asterionella formosa</i> Hassall	3,800	0.38
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.46
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	93,392	13.38
				<i>Cryptomonas erosa</i> Ehrenberg	10,200	12.61
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	1.06
				<i>Cryptomonas rostratiformis</i> Skuja	1,200	2.63
				<i>Katablepharis ovalis</i> Skuja	21,552	0.87
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	1,200	28.27
				<i>Gymnodinium</i> sp.	2,000	37.63
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	3.17
				<i>Peridinium aciculiferum</i> Lemmermann	4,000	36.19
MEL - 01-04	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.34
				<i>Oocystis lacustris</i> Chodat	57,472	2.89
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.54
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Mougeotia</i> sp.	129,312	28.28
				<i>Botryococcus braunii</i> Kutzing	400	0.86
			Chrysophyceae	Small chrysophyceae	495,696	6.99
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	172,416	11.28
				<i>Chrysococcus</i> sp.	251,440	16.44
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.00
				<i>Kephyrion boreale</i> Skuja	14,368	1.54
				<i>Kephyrion</i> sp.	43,104	0.61
				<i>Spiniferomonas sirrata</i>	7,184	0.85
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Synura sphagnicola</i> Korschikow	200	3.93
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.40
				<i>Dinobryon bavaricum</i> Imhof	129,312	29.25
				<i>Dinobryon bavaricum</i> Imhof	1,000	3.39
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sociale</i> Ehrenberg	600	1.19
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.69
				<i>Ochromonas</i> sp.	7,184	0.55
				<i>Uroglena volvox</i> Ehrenberg	898,000	101.56
				<i>Uroglena volvox</i> Ehrenberg	200	11.26
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.37
				<i>Chrysochromulina laurentiana</i> Kling	21,552	8.50
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.72
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,800	5.31
				<i>Cyclotella ocellata</i> Pant.	7,184	0.48
				<i>Rhizosolenia erienze</i> H.L. Smith	79,024	6.15
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	8,400	6.25
				<i>Fragilaria crotonensis</i> Kitton	6,400	2.20
				<i>Synedra acus</i> Kutzing	2,800	0.28
				<i>Asterionella formosa</i> Hassall	4,600	0.46
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.49
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	57,472	8.67
				<i>Cryptomonas erosa</i> Ehrenberg	5,400	6.54
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.41
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.81
				<i>Katablepharis ovalis</i> Skuja	21,552	1.01
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	1,400	21.84
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	7.42
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.18
				<i>Oocystis lacustris</i> Chodat	21,552	1.08
				<i>Monoraphidium contortum</i> (Thur.) Komarkova-Legnerova	7,184	0.13
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.62

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-04	1	September	Chlorophyceae	<i>Staurodesmus extensus (Andersson) Teiling</i>	400	0.17
				<i>Staurodesmus paradoxum Meyen</i>	200	1.67
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	14,368	0.54
				<i>Mougeotia</i> sp.	14,368	3.25
				<i>Mougeotia</i> sp.	600	1.63
				<i>Botryococcus braunii</i> Kutzing	2,200	3.16
			Chrysophyceae	Small chrysophyceae	359,200	5.60
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	272,992	17.85
				<i>Chrysococcus</i> sp.	287,360	17.70
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	114,944	1.62
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	2,400	8.14
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	14,368	0.46
				<i>Uroglena volvox</i> Ehrenberg	581,904	65.81
				<i>Chrysochromulina laurentiana</i> Kling	14,368	5.86
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	761,504	39.52
				<i>Pteridomonas</i> sp.	7,184	1.43
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	4.71
				<i>Cyclotella ocellata</i> Pant.	21,552	1.58
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	9,400	6.64
				<i>Tabellaria flocculsa (Roth) Kutzing</i>	600	0.74
				<i>Fragilaria crotonensis</i> Kitton	3,200	1.15
				<i>Synedra acus</i> Kutzing	400	0.04
				<i>Asterionella formosa</i> Hassall	162,000	15.78
				<i>Cyclotella michiganiana</i> Skvortzow	107,760	2.64
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	150,864	22.75
				<i>Cryptomonas erosa</i> Ehrenberg	2,800	3.27
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	2,200	1.54
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	28,736	1.35
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	1,200	18.72
				<i>Peridinium pusillum (Penard) Lemmermann</i>	1,400	3.00
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
MEL - 01-05	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.41
				<i>Staurodesmus extensus (Andersson) Teiling</i>	200	0.08
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	400	2.74
			Chrysophyceae	Small chrysophyceae	380,752	3.92
				Large chrysophyceae	71,840	12.90
				<i>Chrysochromulina parva</i> Lackey	337,648	22.08
				<i>Chrysococcus</i> sp.	308,912	20.20
				<i>Kephyrion boreale</i> Skuja	14,368	1.88
				<i>Kephyrion</i> sp.	57,472	0.59
				<i>Spiniferomonas sirrata</i>	7,184	0.85
				<i>Mallomonas crassisquama (Asmund) Fott</i>	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	35,920	2.07
				<i>Dinobryon bavaricum</i> Imhof	79,024	17.88
				<i>Dinobryon bavaricum</i> Imhof	3,600	12.20
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	86,208	19.50
				<i>Dinobryon sociale</i> Ehrenberg	3,800	4.66
				<i>Epiphyxis</i> sp.	14,368	1.11
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	43,104	1.29
				<i>Uroglena volvox</i> Ehrenberg	1,853,472	209.63
				<i>Bitrichia chodatii (Reverdin) Chodat</i>	14,368	0.71
				<i>Chrysochromulina laurentiana</i> Kling	150,864	59.53
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	35,920	1.34
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	600	0.99
				<i>Cyclotella ocellata</i> Pant.	14,368	1.05
				<i>Rhizosolenia eriense</i> H.L. Smith	287,360	22.36
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	1,600	1.15
				<i>Tabellaria flocculsa (Roth) Kutzing</i>	800	0.94
				<i>Fragilaria crotonensis</i> Kitton	23,800	8.77
				<i>Synedra acus</i> Kutzing	14,000	1.36
				<i>Asterionella formosa</i> Hassall	2,800	0.28
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	2.11
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	35,920	5.15
				<i>Cryptomonas erosa</i> Ehrenberg	5,400	6.68
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	2,800	2.05
				<i>Cryptomonas rostratiformis</i> Skuja	1,600	3.39

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Dinophyceae	<i>Katablepharis ovalis</i> Skuja	35,920	1.65
				<i>Gymnodinium helveticum</i> Penard	1,200	28.27
				<i>Gymnodinium</i> sp.	1,800	28.08
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.43
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	5.15
				<i>Peridinium aciculiferum</i> Lemmermann	1,200	10.86
MEL - 01-05	1	August	Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.11
				<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Oocystis lacustris</i> Chodat	21,552	0.61
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.45
				<i>Cosmarium</i> sp.	200	2.12
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.31
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	86,208	19.50
				<i>Botryococcus braunii</i> Kutzing	600	1.06
			Chrysophyceae	Small chrysophyceae	452,592	5.79
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	93,392	6.11
				<i>Chrysococcus</i> sp.	143,680	9.40
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.07
				<i>Kephyrion boreale</i> Skuja	14,368	1.63
				<i>Kephyrion</i> sp.	64,656	1.11
				<i>Spiniferomonas sirrata</i>	7,184	0.53
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.22
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.56
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	150,864	34.13
				<i>Dinobryon bavaricum</i> Imhof	1,400	2.79
				<i>Dinobryon sociale</i> Ehrenberg	79,024	17.88
				<i>Dinobryon sociale</i> Ehrenberg	400	2.03
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.90
				<i>Uroglena volvox</i> Ehrenberg	488,512	55.25
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.67
				<i>Chrysochromulina laurentiana</i> Kling	86,208	35.15
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.38
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,400	5.58
				<i>Cyclotella ocellata</i> Pant.	21,552	1.52
				<i>Rhizosolenia erienze</i> H.L. Smith	64,656	4.11
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,400	2.06
				<i>Fragilaria crotonensis</i> Kitton	4,400	1.59
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Asterionella formosa</i> Hassall	1,200	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	93,392	2.29
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	6.28
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	6.43
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.71
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.26
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	3,800	53.72
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,600	7.72
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
			Cyanobacteria	<i>Snowella</i> sp	200	0.15
				<i>Nostoc</i> sp.	200	0.70
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.10
				<i>Chlamydomonas</i> spp.	14,368	0.37
				<i>Sphaerocystis schroeteri</i> Chodat	86,208	1.10
				<i>Oocystis lacustris</i> Chodat	43,104	2.17
				<i>Quadrigula closterioides</i> (Bohl.) Printz	114,944	2.46
				<i>Elakatothrix gelatinosa</i> Willen	86,208	1.35
				<i>Cosmarium</i> sp.	800	1.12
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.46
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Mougeotia</i> sp.	79,024	17.88
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	0.92
			Chrysophyceae	Small chrysophyceae	596,272	8.41
				Large chrysophyceae	28,736	10.97
				<i>Chrysochromulina parva</i> Lackey	193,968	12.69
				<i>Chrysococcus</i> sp.	179,600	11.75
				<i>Kephyrion boreale</i> Skuja	7,184	0.66
				<i>Kephyrion</i> sp.	100,576	1.89
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.64
				<i>Dinobryon mucronutom</i> Nygaard	35,920	4.70
				<i>Dinobryon bavaricum</i> Imhof	114,944	26.00
				<i>Dinobryon bavaricum</i> Imhof	1,400	2.79

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-05	2	August		<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sociale</i> Ehrenberg	122,128	27.63
				<i>Dinobryon sociale</i> Ehrenberg	600	2.03
				<i>Epiphyxis</i> sp.	7,184	0.58
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.46
				<i>Uroglena volvox</i> Ehrenberg	754,320	85.31
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.35
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.84
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.49
				<i>Pteridomonas</i> sp.	21,552	4.78
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.03
				<i>Cyclotella ocellata</i> Pant.	7,184	0.51
				<i>Rhizosolenia eriensis</i> H.L. Smith	93,392	6.60
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,600	4.06
				<i>Fragilaria crotonensis</i> Kitton	4,600	1.66
				<i>Synedra acus</i> Kutzing	1,600	0.15
				<i>Asterionella formosa</i> Hassall	2,200	0.23
				<i>Cyclotella michiganiana</i> Skvortzow	150,864	3.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	9.75
				<i>Cryptomonas erosa</i> Ehrenberg	3,200	3.72
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
				<i>Katablepharis ovalis</i> Skuja	28,736	1.19
			Dinophyceae	<i>Gymnodinium</i> sp.	2,200	26.39
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	6.86
MEL - 01-05	1-QA	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Oocystis lacustris</i> Chodat	28,736	0.81
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.23
				<i>Cosmarium</i> sp.	200	2.12
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	100,576	22.75
				<i>Botryococcus braunii</i> Kutzing	400	0.71
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	400	2.44
			Chrysophyceae	Small chrysophyceae	330,464	4.23
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	114,944	7.52
				<i>Chrysococcus</i> sp.	165,232	10.81
				<i>Kephyrion boreale</i> Skuja	7,184	0.81
				<i>Kephyrion</i> sp.	57,472	0.99
				<i>Spiniferomonas sirrata</i>	7,184	0.53
				<i>Dinobryon borgei</i> Lemmermann	28,736	2.24
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.82
				<i>Dinobryon bavaricum</i> Imhof	107,760	24.38
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sociale</i> Ehrenberg	800	4.07
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.42
				<i>Uroglena volvox</i> Ehrenberg	438,224	49.56
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	28,736	1.35
				<i>Chrysochromulina laurentiana</i> Kling	107,760	43.93
				<i>Bicoeca lacustris</i> Clark	7,184	0.50
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	64,656	2.06
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	6.90
				<i>Cyclotella ocellata</i> Pant.	14,368	1.01
				<i>Rhizosolenia eriensis</i> H.L. Smith	43,104	2.74
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,800	3.26
				<i>Fragilaria crotonensis</i> Kitton	2,000	0.72
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	800	0.08
				<i>Cyclotella michiganiana</i> Skvortzow	143,680	3.52
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	6.28
				<i>Cryptomonas erosa</i> Ehrenberg	7,800	9.64
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.42
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.81
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	800	18.85
				<i>Gymnodinium</i> sp.	3,000	42.41
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,000	6.43
				<i>Peridinium aciculiferum</i> Lemmermann	2,000	18.10
			Cyanobacteria	<i>Snowella</i> sp	400	0.21
				<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Pediastrum duplex</i> Meyen	3,200	0.33
				<i>Oocystis lacustris</i> Chodat	50,288	2.53
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-05	1	September	Chlorophyceae	<i>Closterium kuetzingii</i> Brebisson	200	2.92
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.17
				<i>Staurodesmus paradoxum</i> Meyen	200	0.57
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
			Chrysophyceae	Small chrysophyceae	352,016	4.96
				Large chrysophyceae	71,840	27.42
				<i>Chrysochromulina parva</i> Lackey	366,384	23.96
				<i>Chrysococcus</i> sp.	258,624	13.19
				<i>Kephyrion boreale</i> Skuja	43,104	4.63
				<i>Kephyrion</i> sp.	150,864	2.35
				<i>Spiniferomonas sirrata</i>	14,368	1.63
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	2,000	6.78
				<i>Dinobryon sociale</i> Ehrenberg	600	0.74
				<i>Uroglena volvox</i> Ehrenberg	344,832	39.00
				<i>Chrysochromulina laurentiana</i> Kling	86,208	35.15
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	510,064	26.47
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.97
				<i>Rhizosolenia eriense</i> H.L. Smith	43,104	3.35
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,400	3.40
				<i>Fragilaria crotonensis</i> Kitton	3,800	1.43
				<i>Asterionella formosa</i> Hassall	119,200	12.36
				<i>Cyclotella michiganiana</i> Skvortzow	129,312	2.99
				<i>Rhopalodia gibba</i> (Ehrenberg) O. Muller	200	10.19
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	244,256	36.83
				<i>Cryptomonas erosa</i> Ehrenberg	5,000	5.93
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	0.84
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.47
				<i>Katablepharis ovalis</i> Skuja	21,552	1.04
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.31
				<i>Gymnodinium</i> sp.	1,800	30.88
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	9.77
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.63
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
MEL - 02-01	1	July	Cyanobacteria	<i>Snowella</i> sp	400	0.28
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.15
				<i>Elakatothrix gelatinosa</i> Willen	21,552	0.37
				<i>Cosmarium</i> sp.	200	0.55
				<i>Staurodesmus bullardii</i> G.M. Smith	200	0.57
				<i>Mougeotia</i> sp.	28,736	6.50
				<i>Botryococcus braunii</i> Kutzing	400	0.36
			Chrysophyceae	Small chrysophyceae	208,336	2.94
				Large chrysophyceae	107,760	19.35
				<i>Chrysochromulina parva</i> Lackey	387,936	25.37
				<i>Chrysococcus</i> sp.	409,488	22.28
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	64,656	1.01
				<i>Spiniferomonas sirrata</i>	14,368	1.54
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,400	1.47
				<i>Synura sphagnicola</i> Korschikow	400	6.20
				<i>Dinobryon borgei</i> Lemmermann	50,288	3.83
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	150,864	34.13
				<i>Dinobryon bavaricum</i> Imhof	5,400	18.31
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	2,400	6.06
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sociale</i> Ehrenberg	3,600	7.17
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	71,840	2.16
				<i>Uroglena volvox</i> Ehrenberg	1,767,264	199.88
				<i>Chrysosphaerella longispina</i> Lauterborn	14,368	7.52
				<i>Chrysochromulina laurentiana</i> Kling	50,288	21.18
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.74
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	800	1.52
				<i>Cyclotella ocellata</i> Pant.	14,368	0.97
				<i>Rhizosolenia eriense</i> H.L. Smith	466,960	36.33
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.31
				<i>Fragilaria crotonensis</i> Kitton	15,800	5.69
				<i>Synedra acus</i> Kutzing	11,400	1.09
				<i>Asterionella formosa</i> Hassall	4,200	0.42
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
				<i>Rhopalodia gibba</i> (Ehrenberg) O. Muller	200	8.44
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	35,920	5.37
				<i>Cryptomonas erosa</i> Ehrenberg	6,400	7.82
				<i>Cryptomonas ovata</i> Ehrenberg	400	1.81
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,200	1.61

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	14,368	0.69
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	800	19.23
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	1,800	33.87
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.89
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.29
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.48
MEL - 02-01	1	August	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.09
				<i>Pediastrum tetras</i> (Ehrenberg) Ralfs	2,800	0.25
				<i>Oocystis lacustris</i> Chodat	21,552	1.08
				<i>Elakatothrix gelatinosa</i> Willen	21,552	0.34
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	800	1.49
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Mougeotia</i> sp.	64,656	13.89
				<i>Botryococcus braunii</i> Kutzing	400	0.71
				<i>Monomastix minuta</i> Skuja	14,368	0.29
			Chrysophyceae	Small chrysophyceae	316,096	4.46
				Large chrysophyceae	28,736	8.30
				<i>Chrysochromulina parva</i> Lackey	35,920	1.95
				<i>Chrysococcus</i> sp.	172,416	11.28
				<i>Kephyrion</i> sp.	107,760	1.68
				<i>Spiniferomonas sirrata</i>	14,368	1.54
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.45
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sociale</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.42
				<i>Uroglena volvox</i> Ehrenberg	323,280	36.56
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.72
				<i>Chrysochromulina laurentiana</i> Kling	57,472	22.68
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.36
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,600	6.55
				<i>Cyclotella ocellata</i> Pant.	21,552	1.45
				<i>Rhizosolenia eriense</i> H.L. Smith	14,368	0.91
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,200	2.47
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	800	1.34
				<i>Fragilaria crotonensis</i> Kitton	1,600	0.51
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Asterionella formosa</i> Hassall	1,600	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.51
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	10.83
				<i>Cryptomonas erosa</i> Ehrenberg	4,000	4.75
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.53
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.31
				<i>Gymnodinium</i> sp.	1,600	24.96
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.53
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.28
			Cyanobacteria	<i>Planktothrix</i>	200	3.18
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	28,736	0.96
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Cosmarium</i> sp.	600	0.84
				<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.10
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	107,760	23.02
				<i>Botryococcus braunii</i> Kutzing	400	0.36
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	1.29
			Chrysophyceae	Small chrysophyceae	438,224	6.84
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	215,520	14.10
				<i>Chrysococcus</i> sp.	265,808	17.38
				<i>Kephyrion</i> sp.	107,760	1.85
				<i>Kephyrion</i> sp.	7,184	0.85
				<i>Spiniferomonas sirrata</i>	14,368	1.54
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	1,400	4.75
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 02-01	1	September		<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	400	0.49
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.22
				<i>Uroglena volvox</i> Ehrenberg	538,800	60.94
				<i>Chrysochromulina laurentiana</i> Kling	50,288	20.50
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.81
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	5,200	10.29
				<i>Cyclotella ocellata</i> Pant.	43,104	2.90
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.56
				<i>Fragilaria crotonensis</i> Kitton	800	0.28
				<i>Synedra acus</i> Kutzing	400	0.04
				<i>Asterionella formosa</i> Hassall	11,000	1.11
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.40
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	179,600	27.53
				<i>Cryptomonas erosa</i> Ehrenberg	2,800	3.32
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.56
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.38
				<i>Katablepharis ovalis</i> Skuja	7,184	0.34
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	7,184	2.41
				<i>Gymnodinium</i> sp.	1,200	15.32
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.29
				<i>Peridinium aciculiferum</i> Lemmermann	800	7.24
MEL - 02-02	1	July	Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25
				<i>Cosmarium</i> sp.	200	0.61
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	14,368	3.18
				<i>Mougeotia</i> sp.	800	0.88
				<i>Botryococcus braunii</i> Kutzing	400	0.61
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	1.52
			Chrysophyceae	Small chrysophyceae	409,488	4.22
				Large chrysophyceae	107,760	19.35
				<i>Chrysochromulina parva</i> Lackey	574,720	37.59
				<i>Chrysococcus</i> sp.	466,960	28.76
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	4.78
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	93,392	1.20
				<i>Spiniferomonas sirrata</i>	35,920	4.27
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.62
				<i>Synura sphagnicola</i> Korschikow	400	6.81
				<i>Dinobryon borgei</i> Lemmermann	71,840	3.96
				<i>Dinobryon bavaricum</i> Imhof	222,704	50.38
				<i>Dinobryon bavaricum</i> Imhof	5,800	19.66
				<i>Dinobryon sertularia</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sertularia</i> Ehrenberg	3,400	11.53
				<i>Dinobryon sociale</i> Ehrenberg	201,152	45.50
				<i>Dinobryon sociale</i> Ehrenberg	3,800	4.66
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	1.62
				<i>Uroglena volvox</i> Ehrenberg	1,645,136	186.06
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.38
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.84
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.62
				<i>Dinobryon attenatum</i> Hill	7,184	1.00
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	2.87
				<i>Cyclotella pseudostelligera</i>	7,184	3.87
				<i>Cyclotella ocellata</i> Pant.	7,184	0.48
				<i>Rhizosolenia erienze</i> H.L. Smith	459,776	35.77
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,600	2.01
				<i>Fragilaria crotonensis</i> Kitton	14,600	4.95
				<i>Synedra acus</i> Kutzing	5,400	0.54
				<i>Asterionella formosa</i> Hassall	3,000	0.31
				<i>Cyclotella michiganiana</i> Skvortzow	193,968	5.04
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	6.50
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	4.64
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.73
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	28,736	1.32
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	14,368	5.10
				<i>Gymnodinium</i> sp.	1,400	21.84
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.30
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.72
				<i>Peridinium aciculiferum</i> Lemmermann	1,800	16.83
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 02-02	1-QA	July	Chlorophyceae	<i>Cosmarium</i> sp.	200	0.61
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.11
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	21,552	4.77
				<i>Mougeotia</i> sp.	1,800	1.98
				<i>Botryococcus braunii</i> Kutzing	200	0.31
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	600	1.73
			Chrysophyceae	Small chrysophyceae	474,144	4.88
				Large chrysophyceae	79,024	14.19
				<i>Chrysochromulina parva</i> Lackey	438,224	28.66
				<i>Chrysococcus</i> sp.	466,960	28.76
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	4.78
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	143,680	1.84
				<i>Spiniferomonas sirrata</i>	21,552	2.56
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.41
				<i>Dinobryon borgei</i> Lemmermann	43,104	2.38
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	208,336	47.13
				<i>Dinobryon bavaricum</i> Imhof	5,000	16.95
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	3,000	10.17
				<i>Dinobryon sociale</i> Ehrenberg	150,864	34.13
				<i>Dinobryon sociale</i> Ehrenberg	4,200	5.15
				<i>Epiphyxis</i> sp.	14,368	1.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.93
				<i>Uroglena volvox</i> Ehrenberg	1,731,344	195.82
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	21,552	1.14
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.84
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.16
				<i>Dinobryon attenatum</i> Hill	14,368	1.99
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.91
				<i>Cyclotella ocellata</i> Pant.	21,552	1.45
				<i>Rhizosolenia erienze</i> H.L. Smith	510,064	39.68
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,800	1.39
				<i>Fragilaria crotonensis</i> Kitton	13,400	4.55
				<i>Synedra acus</i> Kutzing	3,800	0.36
				<i>Asterionella formosa</i> Hassall	3,000	0.31
				<i>Cyclotella michiganiana</i> Skvortzow	222,704	5.79
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	6.50
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	6.35
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.29
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
				<i>Katablepharis ovalis</i> Skuja	21,552	0.99
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	7,184	2.55
				<i>Gymnodinium</i> sp.	1,000	15.60
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.30
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.14
				<i>Peridinium aciculiferum</i> Lemmermann	1,000	9.35
MEL - 02-02	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Pediastrum tetras</i> (Ehrenberg) Ralfs	86,208	0.41
				<i>Oocystis lacustris</i> Chodat	14,368	0.72
				<i>Elakatothrix gelatinosa</i> Willen	50,288	0.79
				<i>Cosmarium</i> sp.	400	0.41
				<i>Staurodesmus extensus</i> (Andersson) Teiling	2,200	1.31
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	43,104	9.75
				<i>Botryococcus braunii</i> Kutzing	400	0.71
				<i>Monomastix minuta</i> Skuja	21,552	0.41
			Chrysophyceae	Small chrysophyceae	474,144	6.69
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	107,760	7.05
				<i>Chrysococcus</i> sp.	244,256	15.97
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	64,656	0.91
				<i>Spiniferomonas sirrata</i>	7,184	0.77
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.57
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.64
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	600	3.05
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	100,576	22.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.43
				<i>Ochromonas</i> sp.	7,184	0.52
				<i>Uroglena volvox</i> Ehrenberg	438,224	49.56

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Chrysochromulina laurentiana</i> Kling	64,656	24.68
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.22
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,000	11.87
				<i>Cyclotella pseudostelligera</i>	14,368	7.74
				<i>Cyclotella ocellata</i> Pant.	21,552	1.86
				<i>Rhizosolenia eriense</i> H.L. Smith	21,552	1.68
				<i>Fragilaria crotonensis</i> Kitton	400	0.15
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Asterionella formosa</i> Hassall	6,200	0.62
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	2.24
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	222,704	31.33
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	4.20
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.08
				<i>Cryptomonas rostratiformis</i> Skuja	1,600	3.19
				<i>Katablepharis ovalis</i> Skuja	7,184	0.30
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	10.37
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	800	10.32
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.54
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
MEL - 02-02	1	September	Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.36
				<i>Snowella</i> sp	200	0.27
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.27
				<i>Oocystis lacustris</i> Chodat	28,736	2.63
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25
				<i>Cosmarium</i> sp.	400	0.56
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	57,472	13.00
			Chrysophyceae	Small chrysophyceae	416,672	3.83
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	229,888	15.03
				<i>Chrysococcus</i> sp.	251,440	16.44
				<i>Kephyrion</i> sp.	179,600	2.53
				<i>Spiniferomonas sirrata</i>	14,368	1.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.43
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.74
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	2,200	4.38
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	800	2.71
				<i>Dinobryon sociale</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sociale</i> Ehrenberg	600	0.74
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	380,752	43.06
				<i>Uroglena volvox</i> Ehrenberg	200	11.26
				<i>Chrysochromulina laurentiana</i> Kling	86,208	32.91
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.25
				<i>Pteridomonas</i> sp.	7,184	1.33
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,400	10.05
				<i>Cyclotella ocellata</i> Pant.	57,472	5.99
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,600	1.37
				<i>Fragilaria crotonensis</i> Kitton	2,200	0.73
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Asterionella formosa</i> Hassall	8,200	0.82
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	114,944	14.45
				<i>Cryptomonas erosa</i> Ehrenberg	3,000	3.56
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.28
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.40
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.43
				<i>Gymnodinium</i> sp.	400	6.24
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	1.60
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
			Cyanobacteria	<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.19
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.24
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	14,368	3.27
				<i>Botryococcus braunii</i> Kutzing	200	0.14
				<i>Bambusina brebissonii</i> Kutzing	1,200	6.72
				Small chrysophyceae	316,096	2.59
				Large chrysophyceae	86,208	15.48
				<i>Chrysochromulina parva</i> Lackey	625,008	40.88

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 02-03	1	July	Chrysophyceae	<i>Chrysococcus</i> sp.	179,600	11.06
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.07
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	143,680	1.84
				<i>Spiniferomonas sirrata</i>	28,736	3.09
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,200	1.33
				<i>Synura sphagnicola</i> Korschikow	1,200	18.75
				<i>Dinobryon borgei</i> Lemmermann	35,920	2.19
				<i>Dinobryon bavaricum</i> Imhof	222,704	50.38
				<i>Dinobryon sertularia</i> Ehrenberg	93,392	21.13
				<i>Dinobryon sertularia</i> Ehrenberg	5,600	18.98
				<i>Dinobryon sertularia</i> Ehrenberg	3,800	12.88
				<i>Dinobryon sociale</i> Ehrenberg	208,336	47.13
				<i>Dinobryon sociale</i> Ehrenberg	3,800	4.66
				<i>Epiphyxis</i> sp.	7,184	0.60
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	64,656	2.08
				<i>Uroglena volvox</i> Ehrenberg	1,781,632	201.50
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	186,784	73.70
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.46
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.57
				<i>Cyclotella ocellata</i> Pant.	64,656	4.94
				<i>Rhizosolenia eriense</i> H.L. Smith	466,960	36.33
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.31
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	2,600	3.34
				<i>Fragilaria crotonensis</i> Kitton	4,200	1.46
				<i>Synedra acus</i> Kutzing	30,600	2.92
				<i>Asterionella formosa</i> Hassall	1,800	0.18
				<i>Cyclotella michiganiana</i> Skvortzow	136,496	3.55
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	9.75
				<i>Cryptomonas erosa</i> Ehrenberg	6,000	7.33
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.44
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	7,184	0.34
			Dinophyceae	<i>Gymnodinium</i> sp.	1,800	25.45
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	9.77
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	4.37
				<i>Peridinium aciculiferum</i> Lemmermann	1,800	16.83
MEL - 02-03	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.19
				<i>Sphaerocystis schroeteri</i> Chodat	50,288	0.52
				<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Elakatothrix gelatinosa</i> Willen	64,656	1.26
				<i>Cosmarium</i> sp.	200	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.45
				<i>Mougeotia</i> sp.	64,656	14.30
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Oocystis gigas</i> Archer	200	0.68
			Chrysophyceae	Small chrysophyceae	510,064	5.25
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	50,288	3.29
				<i>Chrysococcus</i> sp.	287,360	17.70
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	71,840	1.01
				<i>Spiniferomonas sirrata</i>	14,368	1.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	1.06
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.50
				<i>Dinobryon bavaricum</i> Imhof	93,392	21.13
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sociale</i> Ehrenberg	93,392	21.13
				<i>Epiphyxis</i> sp.	14,368	1.09
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.93
				<i>Uroglena volvox</i> Ehrenberg	7,184	0.36
				<i>Uroglena volvox</i> Ehrenberg	294,544	33.31
				<i>Chrysosphaerella longispina</i> Lauterborn	7,184	3.33
				<i>Chrysochromulina laurentiana</i> Kling	57,472	21.94
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,600	6.55
				<i>Cyclotella ocellata</i> Pant.	35,920	2.53
				<i>Rhizosolenia eriense</i> H.L. Smith	28,736	2.24
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	1,400	1.87
				<i>Fragilaria crotonensis</i> Kitton	600	0.22
				<i>Synedra acus</i> Kutzing	1,400	0.13
				<i>Asterionella formosa</i> Hassall	7,800	0.76
				<i>Cyclotella michiganiana</i> Skvortzow	114,944	2.66
				<i>Cyclotella bodanica</i> Eulenst.	200	1.44
				<i>Rhodomonas minuta</i> Skuja	208,336	29.58

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	9,200	10.73
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,600	1.78
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.40
			Dinophyceae	<i>Gymnodinium</i> sp.	1,200	12.37
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,000	8.42
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL - 02-03	1	September	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	28,736	0.41
				<i>Oocystis lacustris</i> Chodat	7,184	0.36
				<i>Quadrigula closterioides</i> (Bohl.) Printz	57,472	1.68
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.59
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	79,024	16.98
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	459,776	6.48
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	143,680	9.40
				<i>Chrysococcus</i> sp.	258,624	13.19
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	107,760	1.85
				<i>Spiniferomonas sirrata</i>	7,184	0.66
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.88
				<i>Dinobryon bavaricum</i> Imhof	50,288	11.38
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sociale</i> Ehrenberg	35,920	7.72
				<i>Dinobryon sociale</i> Ehrenberg	800	1.59
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.22
				<i>Uroglena volvox</i> Ehrenberg	258,624	29.25
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.19
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.23
				<i>Pteridomonas</i> sp.	21,552	4.30
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,600	5.65
				<i>Cyclotella ocellata</i> Pant.	35,920	2.42
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,200	0.94
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				<i>Synedra acus</i> Kutzing	800	0.08
				<i>Asterionella formosa</i> Hassall	13,600	1.42
				<i>Cyclotella michiganiana</i> Skvortzow	93,392	2.16
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	16.25
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.35
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.41
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.90
				<i>Gymnodinium</i> sp.	21,552	7.15
				<i>Gymnodinium</i> sp.	400	4.90
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.22
MEL - 02-04	1	July	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.36
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.36
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	14,368	3.16
			Chrysophyceae	Small chrysophyceae	301,728	4.25
				Large chrysophyceae	114,944	26.41
				<i>Chrysochromulina parva</i> Lackey	423,856	27.72
				<i>Chrysococcus</i> sp.	258,624	13.19
				<i>Kephyrion</i> sp.	57,472	0.99
				<i>Spiniferomonas sirrata</i>	14,368	1.79
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	0.97
				<i>Synura sphagnicola</i> Korschikow	14,368	8.73
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.86
				<i>Dinobryon bavaricum</i> Imhof	215,520	48.75
				<i>Dinobryon bavaricum</i> Imhof	4,600	9.16
				<i>Dinobryon sertularia</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sertularia</i> Ehrenberg	2,000	6.78
				<i>Dinobryon sociale</i> Ehrenberg	179,600	40.63
				<i>Dinobryon sociale</i> Ehrenberg	4,400	5.39
				<i>Epiphyxis</i> sp.	7,184	0.58
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	71,840	2.03
				<i>Uroglena volvox</i> Ehrenberg	1,616,400	182.81
				<i>Chrysosphaerella longispina</i> Lauterborn	400	5.86
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	93,392	35.65
				<i>Bicoeca lacustris</i> Clark	7,184	0.47
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.60
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	800	1.26
				<i>Cyclotella ocellata</i> Pant.	28,736	2.48
				<i>Rhizosolenia erienne</i> H.L. Smith	265,808	20.68
				<i>Fragilaria crotonensis</i> Kitton	600	0.20
				<i>Synedra acus</i> Kutzing	17,200	1.73

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Asterionella formosa</i> Hassall	1,600	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	179,600	4.15
				<i>Rhodomonas minuta</i> Skuja	107,760	15.98
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	7,000	8.41
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	0.84
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.05
				<i>Katablepharis ovalis</i> Skuja	28,736	1.35
			Dinophyceae	<i>Gymnodinium</i> sp.	1,600	16.49
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	14.42
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	0.98
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
				<i>Peridinium wisconsiense</i> Eddy	200	6.70
MEL - 02-04	1	August	Cyanobacteria	<i>Snowella</i> sp	400	0.40
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.16
				<i>Sphaerocystis schroeteri</i> Chodat	35,920	0.46
				<i>Pediastrum tetras</i> (Ehrenberg) Ralfs	28,736	0.32
				<i>Oocystis lacustris</i> Chodat	14,368	0.38
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.27
				<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.71
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	600	2.45
				<i>Staurodesmus paradoxum</i> Meyen	200	1.05
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	43,104	1.63
				<i>Mougeotia</i> sp.	21,552	4.88
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	400	1.36
			Chrysophyceae	Small chrysophyceae	466,960	6.58
				Large chrysophyceae	21,552	8.23
				<i>Chrysochromulina parva</i> Lackey	57,472	3.76
				<i>Chrysococcus</i> sp.	272,992	13.92
				<i>Kephyrion boreale</i> Skuja	14,368	1.88
				<i>Kephyrion</i> sp.	71,840	1.01
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,600	1.68
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Epiphyxis</i> sp.	7,184	0.56
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.21
				<i>Uroglena volvox</i> Ehrenberg	165,232	18.69
				<i>Chrysochromulina laurentiana</i> Kling	64,656	25.51
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.20
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,800	9.11
				<i>Cyclotella ocellata</i> Pant.	28,736	2.38
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.56
				<i>Fragilaria crotonensis</i> Kitton	4,600	1.66
				<i>Synedra acus</i> Kutzing	2,000	0.19
				<i>Asterionella formosa</i> Hassall	7,800	0.82
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.27
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	244,256	28.38
				<i>Cryptomonas erosa</i> Ehrenberg	3,000	3.56
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,400	1.63
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.60
			Dinophyceae	<i>Gymnodinium</i> sp.	800	5.79
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.19
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.16
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.16
				<i>Oocystis lacustris</i> Chodat	21,552	0.61
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.31
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Mougeotia</i> sp.	79,024	16.98
				<i>Botryococcus braunii</i> Kutzing	1,400	1.27
			Chrysophyceae	Small chrysophyceae	395,120	3.24
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	179,600	11.75
				<i>Chrysococcus</i> sp.	208,336	13.63
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.12
				<i>Kephyrion boreale</i> Skuja	21,552	2.82
				<i>Kephyrion</i> sp.	93,392	1.61
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.44
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	600	0.74
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.40

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 02-04	1	September		<i>Dinobryon sociale</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	1,400	1.72
				<i>Epiphyxis</i> sp.	7,184	0.44
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	380,752	43.06
				<i>Chrysochromulina laurentiana</i> Kling	86,208	32.91
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.39
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,000	12.37
				<i>Cyclotella ocellata</i> Pant.	43,104	3.16
				<i>Synedra acus</i> Kutzing	2,000	0.19
				<i>Asterionella formosa</i> Hassall	15,200	1.50
				<i>Cyclotella michiganiana</i> Skvortzow	93,392	2.16
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	15.30
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.67
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	0.82
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	5.56
				<i>Gymnodinium</i> sp.	600	5.91
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	1.99
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL - 02-05	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.15
				<i>Oocystis lacustris</i> Chodat	7,184	0.20
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Mougeotia</i> sp.	7,184	1.63
				<i>Botryococcus braunii</i> Kutzing	200	0.29
			Chrysophyceae	Small chrysophyceae	229,888	1.66
				Large chrysophyceae	79,024	14.19
				<i>Chrysochromulina parva</i> Lackey	725,584	47.45
				<i>Chrysococcus</i> sp.	445,408	22.72
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	114,944	1.62
				<i>Spiniferomonas sirrata</i>	21,552	1.88
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Mallomonas</i> spp.	1,000	1.89
				<i>Synura sphagnicola</i> Korschikow	600	9.89
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.84
				<i>Dinobryon bavaricum</i> Imhof	251,440	56.88
				<i>Dinobryon bavaricum</i> Imhof	5,000	16.95
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	2,000	10.17
				<i>Dinobryon sociale</i> Ehrenberg	280,176	63.38
				<i>Dinobryon sociale</i> Ehrenberg	6,400	13.60
				<i>Epiphyxis</i> sp.	28,736	2.19
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	93,392	2.59
				<i>Uroglena volvox</i> Ehrenberg	1,623,584	183.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	21,552	1.14
				<i>Chrysochromulina laurentiana</i> Kling	100,576	38.39
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	79,024	2.52
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.97
				<i>Cyclotella ocellata</i> Pant.	7,184	0.59
				<i>Rhizosolenia erienne</i> H.L. Smith	373,568	29.06
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	1,800	2.40
				<i>Fragilaria crotonensis</i> Kitton	800	0.29
				<i>Synedra acus</i> Kutzing	28,400	2.83
				<i>Asterionella formosa</i> Hassall	4,400	0.44
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	1.92
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	50,288	7.58
				<i>Cryptomonas erosa</i> Ehrenberg	6,800	8.07
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.11
				<i>Cryptomonas rostratiformis</i> Skuja	1,200	2.87
				<i>Katablepharis ovalis</i> Skuja	21,552	0.87
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	800	11.31
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.05
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.15
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
			Cyanobacteria	<i>Snowella</i> sp	1,400	1.40
				<i>Anabaena solitaria</i> Klebs	200	0.66
				<i>Chlamydomonas</i> spp.	7,184	0.08
				<i>Sphaerocystis schroeteri</i> Chodat	50,288	0.78
				<i>Oocystis lacustris</i> Chodat	14,368	0.41
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.12
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Cosmarium</i> sp.	200	0.61

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 02-05	1	August	Chlorophyceae	<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.56
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.87
				<i>Mougeotia</i> sp.	57,472	14.16
				<i>Botryococcus braunii</i> Kutzing	800	0.42
				<i>Spirogyra</i> sp.	3,200	1.29
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	359,200	3.70
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	79,024	5.17
				<i>Chrysococcus</i> sp.	179,600	11.75
				<i>Kephyrion boreale</i> Skuja	14,368	1.54
				<i>Kephyrion</i> sp.	100,576	1.89
				<i>Spiniferomonas sirrata</i>	7,184	0.56
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	1.06
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sociale</i> Ehrenberg	122,128	27.63
				<i>Uroglena volvox</i> Ehrenberg	294,544	33.31
				<i>Chrysochromulina laurentiana</i> Kling	35,920	13.71
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	71,840	2.29
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.82
				<i>Cyclotella pseudostelligera</i>	14,368	4.40
				<i>Cyclotella ocellata</i> Pant.	57,472	5.99
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	7,400	7.28
				<i>Fragilaria crotonensis</i> Kitton	1,200	0.43
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	10,800	1.13
				<i>Cyclotella michiganiana</i> Skvortzow	122,128	2.65
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	24.48
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	2.80
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.06
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.59
				<i>Katablepharis ovalis</i> Skuja	7,184	0.34
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.42
				<i>Gymnodinium</i> sp.	400	3.68
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.09
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
MEL - 02-05	1-QA	August	Cyanobacteria	<i>Snowella</i> sp	800	0.80
				<i>Anabaena solitaria</i> Klebs	400	1.69
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.08
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.45
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.12
				<i>Elakatothrix gelatinosa</i> Willen	71,840	1.24
				<i>Euastrum</i> spp.	600	1.12
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.68
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Mougeotia</i> sp.	71,840	17.69
				<i>Botryococcus braunii</i> Kutzing	400	0.21
				<i>Spirogyra</i> sp.	5,200	2.09
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	316,096	3.26
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	136,496	8.93
				<i>Chrysococcus</i> sp.	208,336	13.63
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	2.00
				<i>Kephyrion boreale</i> Skuja	14,368	1.54
				<i>Kephyrion</i> sp.	129,312	2.43
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,200	1.28
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.55
				<i>Dinobryon mucronutom</i> Nygaard	28,736	5.42
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sociale</i> Ehrenberg	400	0.80
				<i>Uroglena volvox</i> Ehrenberg	330,464	37.38
				<i>Chrysochromulina laurentiana</i> Kling	21,552	8.23
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.38
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	4.36
				<i>Cyclotella pseudostelligera</i>	7,184	2.20
				<i>Cyclotella ocellata</i> Pant.	43,104	4.50
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	8,800	8.66
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	800	1.07
				<i>Fragilaria crotonensis</i> Kitton	800	0.29
				<i>Synedra acus</i> Kutzing	800	0.08
				<i>Asterionella formosa</i> Hassall	12,200	1.28

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Cyclotella michiganiana</i> Skvortzow	158,048	3.43
				<i>Rhodomonas minuta</i> Skuja	129,312	18.36
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	3,400	3.97
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	0.80
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.59
				<i>Katablepharis ovalis</i> Skuja	7,184	0.34
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.42
				<i>Gymnodinium</i> sp.	800	7.36
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	2.70
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
MEL - 02-05	1	September	Cyanobacteria	<i>Snowella</i> sp	600	0.66
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Oocystis lacustris</i> Chodat	35,920	0.85
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	14,368	0.99
				<i>Quadrigula closterioides</i> (Bohl.) Printz	28,736	0.80
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.11
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.57
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Mougeotia</i> sp.	122,128	28.09
				<i>Botryococcus braunii</i> Kutzing	1,000	1.44
			Chrysophyceae	Small chrysophyceae	387,936	2.17
				Large chrysophyceae	35,920	13.71
				<i>Chrysochromulina parva</i> Lackey	215,520	14.10
				<i>Chrysococcus</i> sp.	373,568	24.43
				<i>Kephyrion</i> sp.	57,472	0.74
				<i>Spiniferomonas sirrata</i>	21,552	1.98
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.40
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	1,600	3.19
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	600	3.05
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sociale</i> Ehrenberg	1,400	2.79
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	316,096	35.75
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	64,656	24.68
				<i>Bicoeca lacustris</i> Clark	7,184	0.53
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.43
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	9,600	18.22
				<i>Cyclotella pseudostelligera</i>	7,184	3.87
				<i>Cyclotella ocellata</i> Pant.	28,736	3.00
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,000	3.43
				<i>Fragilaria crotonensis</i> Kitton	1,000	0.35
				<i>Synedra acus</i> Kutzing	1,200	0.12
				<i>Asterionella formosa</i> Hassall	14,400	1.51
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	26.00
				<i>Cryptomonas erosa</i> Ehrenberg	3,200	3.80
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.70
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	5.28
				<i>Gymnodinium</i> sp.	1,000	10.31
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.26

Notes: cells/L=cells per litre; mg/m³=milligrams per cubic metre

Table 7D-4: Raw Phytoplankton Data, 2016

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 01-01	1	July	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	28,736	0.54
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.40
				<i>Planctonema lauterbornii</i> Schmidle	21,552	2.71
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Mougeotia</i> sp.	600	0.34
				<i>Botryococcus braunii</i> Kutzing	200	0.29
			Chrysophyceae	Small chrysophyceae	459,776	5.89
				Large chrysophyceae	107,760	22.87
				<i>Chrysochromulina parva</i> Lackey	208,336	13.63
				<i>Chrysococcus</i> sp.	581,904	38.06
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	4.00
				<i>Kephyrion</i> sp.	114,944	2.16
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Dinobryon borgei</i> Lemmermann	107,760	5.53
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	14,368	6.01
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	0.51
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,800	3.58
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	57,472	1.02
				<i>Uroglena volvox</i> Ehrenberg	402,304	45.50
				<i>Chrysochromulina laurentiana</i> Kling	100,576	43.74
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.25
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,800	3.26
				<i>Cyclotella pseudostelligera</i>	28,736	9.75
				<i>Rhizosolenia erienze</i> H.L. Smith	617,824	48.07
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	2,400	2.99
				<i>Synedra acus</i> Kutzing	23,800	3.02
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	0.45
				<i>Asterionella formosa</i> Hassall	6,200	0.67
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.76
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	14,368	1.20
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	5.69
				<i>Cryptomonas ovata</i> Ehrenberg	800	3.62
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	4,400	3.38
				<i>Katablepharis ovalis</i> Skuja	14,368	0.81
			Dinophyceae	<i>Gymnodinium</i> sp.	400	3.68
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	7.22
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,600	14.76
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.43
	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	86,208	2.89
				<i>Oocystis lacustris</i> Chodat	57,472	2.89
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.11
				<i>Planctonema lauterbornii</i> Schmidle	86,208	10.84
				<i>Cosmarium</i> sp.	600	3.20
				<i>Euastrum</i> spp.	800	1.49
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.33
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.57
			Chrysophyceae	Small chrysophyceae	646,560	10.09
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	129,312	8.46
				<i>Chrysococcus</i> sp.	567,536	37.12
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	64,656	0.59
				<i>Spiniferomonas sirrata</i> *****	35,920	3.30
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.20
				<i>Synura sphagnicola</i> Korschikow	200	4.73
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.58
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	1,400	2.79
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	7,184	2.95
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	800	5.20
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	79,024	2.37
				<i>Uroglena volvox</i> Ehrenberg	79,024	8.94
				<i>Chrysochromulina laurentiana</i> Kling	165,232	69.60
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Pteridomonas</i> sp.	43,104	10.61
				<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.82

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Rhizosolenia erienne</i> H.L. Smith	21,552	1.83
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,600	4.80
				<i>Synedra acus</i> Kutzing	4,000	0.42
				<i>Asterionella formosa</i> Hassall	4,000	0.42
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.25
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	14.21
				<i>Cryptomonas erosa</i> Ehrenberg	6,400	7.75
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.38
				<i>Katablepharis ovalis</i> Skuja	35,920	1.45
			Dinophyceae	<i>Gymnodinium</i> sp.	2,000	15.03
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,800	9.60
	1	September	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.15
				<i>Oocystis lacustris</i> Chodat	43,104	2.17
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.27
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Mougeotia</i> sp.	200	0.63
				<i>Botryococcus braunii</i> Kutzing	800	0.72
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.46
			Euglenophyceae	<i>Trachelomonas volvocina</i> Ehrenberg	200	0.41
			Chrysophyceae	Small chrysophyceae	301,728	4.25
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	373,568	24.43
				<i>Chrysococcus</i> sp.	617,824	40.41
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	7.52
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	28,736	0.30
				<i>Spiniferomonas sirrata</i> *****	14,368	1.06
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.40
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	400	2.03
				<i>Dinobryon sociale</i> Ehrenberg	71,840	16.25
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	35,920	1.08
				<i>Uroglena volvox</i> Ehrenberg	244,256	27.63
				<i>Chrysochromulina laurentiana</i> Kling	481,328	252.02
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	107,760	2.79
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	4.06
				<i>Rhizosolenia erienne</i> H.L. Smith	43,104	3.66
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,400	4.12
				<i>Fragilaria crotonensis</i> Kitton	2,800	0.90
				<i>Synedra acus</i> Kutzing	19,800	1.78
				<i>Asterionella formosa</i> Hassall	9,600	1.01
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	93,392	11.74
				<i>Cryptomonas erosa</i> Ehrenberg	8,600	10.38
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.88
				<i>Katablepharis ovalis</i> Skuja	35,920	1.85
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	1,200	28.27
				<i>Gymnodinium</i> sp.	2,200	22.67
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	7.02
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.48
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.08
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	14,368	0.81
				<i>Elakatothrix gelatinosa</i> Willen	21,552	0.34
				<i>Planctonema lauterbornii</i> Schmidle	129,312	16.25
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.22
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
			Chrysophyceae	Small chrysophyceae	445,408	5.70
				Large chrysophyceae	79,024	14.81
				<i>Chrysochromulina parva</i> Lackey	237,072	15.50
				<i>Chrysococcus</i> sp.	1,185,360	77.52
				<i>Chrysostephanospaera globulifera</i> Scherfffel	43,104	15.38
				<i>Kephyrion</i> sp.	93,392	1.76
				<i>Spiniferomonas sirrata</i> *****	28,736	3.09
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.19
				<i>Dinobryon borgei</i> Lemmermann	114,944	5.63
				<i>Dinobryon bavaricum</i> Imhof	158,048	35.75
				<i>Dinobryon bavaricum</i> Imhof	7,200	14.34
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	400	1.01
				<i>Dinobryon sertularia</i> Ehrenberg	143,680	32.50
				<i>Dinobryon sertularia</i> Ehrenberg	4,200	8.36

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0102	1	July		<i>Epiphyxis</i> sp.	21,552	1.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	71,840	1.58
				<i>Uroglena volvox</i> Ehrenberg	941,104	106.44
				<i>Chrysochromulina laurentiana</i> Kling	100,576	43.74
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.85
				<i>Dinobryon attenuatum</i> Hill	14,368	2.44
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,600	3.29
				<i>Cyclotella pseudostelligera</i>	14,368	4.88
				<i>Rhizosolenia erienne</i> H.L. Smith	696,848	54.21
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,400	4.53
				<i>Synedra acus</i> Kutzing	21,800	2.76
				<i>Asterionella formosa</i> Hassall	7,000	0.76
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	2.46
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	35,920	3.01
				<i>Cryptomonas erosa</i> Ehrenberg	4,000	6.35
				<i>Cryptomonas ovata</i> Ehrenberg	400	1.81
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.59
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	57,472	3.25
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	2,400	30.65
				<i>Peridinium pusillum</i> (Penard) Lemmermann	5,400	16.77
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
	1	August	Cyanobacteria	<i>Anabaena cf heterospora</i> Nygarrrd	114,944	13.00
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	71,840	2.41
				<i>Oocystis lacustris</i> Chodat	21,552	0.61
				<i>Paulschulzia pseudovolvox</i> (Schulz and Teiling) Skuja	200	1.13
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.23
				<i>Planctonema lauterbornii</i> Schmidle	79,024	9.93
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.48
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	1,000	1.44
			Chrysophyceae	Small chrysophyceae	1,070,416	11.03
				Large chrysophyceae	43,104	8.78
				<i>Chrysochromulina parva</i> Lackey	272,992	17.85
				<i>Chrysococcus</i> sp.	373,568	19.05
				<i>Kephyrion boreale</i> Skuja	28,736	2.64
				<i>Kephyrion</i> sp.	208,336	1.92
				<i>Spiniferomonas sirrata</i> *****	43,104	1.29
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.32
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon bavaricum v vanhoeffenii</i> (Bachmann) Krieger	200	1.30
				<i>Dinobryon sertularia</i> Ehrenberg	79,024	17.88
				<i>Dinobryon sertularia</i> Ehrenberg	1,400	4.75
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.99
				<i>Uroglena volvox</i> Ehrenberg	129,312	14.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	208,336	87.75
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.27
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	4.36
				<i>Rhizosolenia erienne</i> H.L. Smith	21,552	1.68
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,000	3.43
				<i>Synedra acus</i> Kutzing	3,600	0.41
				<i>Asterionella formosa</i> Hassall	800	0.08
				<i>Cyclotella michiganiana</i> Skvortzow	107,760	2.64
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	150,864	18.96
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	4.51
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.70
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	7,184	0.37
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	7,184	2.72
				<i>Gymnodinium</i> sp.	1,600	14.72
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	6.39
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.10
				<i>Chlamydomonas</i> spp.	14,368	0.41
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.09
				<i>Pediastrum duplex</i> Meyen	3,200	0.32
				<i>Oocystis lacustris</i> Chodat	14,368	0.41
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.14
				<i>Planctonema lauterbornii</i> Schmidle	21,552	2.71

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September		<i>Cosmarium</i> sp.	200	0.20
				<i>Staurodesmus paradoxum</i> Meyen	200	1.01
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Mougeotia</i> sp.	400	0.52
				<i>Botryococcus braunii</i> Kutzing	200	0.35
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.55
			Chrysophyceae	Small chrysophyceae	323,280	4.56
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	625,008	40.88
				<i>Chrysococcus</i> sp.	423,856	27.72
				<i>Chrysostephanospaera globulifera</i> Scherffell	21,552	11.28
				<i>Kephyrion boreale</i> Skuja	7,184	0.81
				<i>Kephyrion</i> sp.	71,840	0.74
				<i>Spiniferomonas sirrata</i> *****	7,184	0.81
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.33
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	14,368	5.71
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Dinobryon sociale</i> Ehrenberg	86,208	19.50
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	57,472	1.02
				<i>Uroglena volvox</i> Ehrenberg	201,152	22.75
				<i>Chrysochromulina laurentiana</i> Kling	416,672	238.42
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	71,840	1.72
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,800	5.09
				<i>Rhizosolenia erienze</i> H.L. Smith	100,576	6.40
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,000	0.83
				<i>Synedra acus</i> Kutzing	20,400	2.14
				<i>Asterionella formosa</i> Hassall	8,200	0.86
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.55
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	122,128	18.42
				<i>Cryptomonas erosa</i> Ehrenberg	8,200	13.30
				<i>Katablepharis ovalis</i> Skuja	43,104	1.97
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	1,000	11.01
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	13.40
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	7.43
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
	2	September	Cyanobacteria	<i>Aphanocapsa delicatissima</i> W. and G.S. West	200	0.42
				<i>Anabaena solitaria</i> Klebs	200	0.05
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.14
				<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.07
				<i>Oocystis lacustris</i> Chodat	7,184	0.17
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.54
				<i>Planctonema lauterbornii</i> Schmidle	50,288	6.95
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.23
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
			Chrysophyceae	Small chrysophyceae	323,280	4.56
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	438,224	28.66
				<i>Chrysococcus</i> sp.	510,064	33.36
				<i>Chrysostephanospaera globulifera</i> Scherffell	14,368	5.30
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	43,104	0.61
				<i>Spiniferomonas sirrata</i> *****	43,104	4.88
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.41
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.66
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	1,200	2.39
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.86
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Dinobryon sociale</i> Ehrenberg	57,472	13.00
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	0.89
				<i>Uroglena volvox</i> Ehrenberg	502,880	56.88
				<i>Chrysochromulina laurentiana</i> Kling	387,936	221.98
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	93,392	2.24
				<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.03
				<i>Rhizosolenia erienze</i> H.L. Smith	79,024	6.70

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	6,000	4.92
				<i>Fragilaria crotonensis</i> Kitton	2,000	0.58
				<i>Synedra acus</i> Kutzing	22,000	2.10
				<i>Asterionella formosa</i> Hassall	6,200	0.65
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	93,392	11.74
				<i>Cryptomonas erosa</i> Ehrenberg	8,800	14.45
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.33
				<i>Katablepharis ovalis</i> Skuja	50,288	2.59
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	1,400	19.59
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.57
				<i>Peridinium aciculiferum</i> Lemmermann	1,400	12.67
	1	July	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	35,920	0.46
				<i>Scenedesmus denticulatus</i> Lagerhiem	28,736	0.98
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Planctonema lauterbornii</i> Schmidle	50,288	6.32
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.15
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.18
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	1.85
			Chrysophyceae	Small chrysophyceae	632,192	8.91
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	352,016	23.02
				<i>Chrysococcus</i> sp.	718,400	46.98
				<i>Chrysostephanospaera globulifera</i> Scherfffel	35,920	18.81
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Spiniferomonas sirrata</i> *****	28,736	2.64
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.41
				<i>Dinobryon borgei</i> Lemmermann	71,840	3.69
				<i>Dinobryon bavaricum</i> Imhof	186,784	42.25
				<i>Dinobryon bavaricum</i> Imhof	5,600	6.86
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	28,736	10.76
				<i>Dinobryon sertularia</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sertularia</i> Ehrenberg	2,200	4.38
				<i>Epiphyxis</i> sp.	64,656	4.77
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	93,392	1.82
				<i>Uroglena volvox</i> Ehrenberg	510,064	57.69
				<i>Chrysochromulina laurentiana</i> Kling	86,208	37.49
				<i>Stichogloea</i> spp.	57,472	2.89
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.00
				<i>Pteridomonas</i> sp.	14,368	3.19
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,000	3.14
				<i>Cyclotella pseudostelligera</i>	14,368	5.12
				<i>Rhizosolenia eriense</i> H.L. Smith	876,448	68.19
				<i>Synedra acus</i> Kutzing	24,000	3.04
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,000	2.07
				<i>Asterionella formosa</i> Hassall	4,000	0.42
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.76
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	6.02
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	3.16
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.68
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.41
				<i>Katablepharis ovalis</i> Skuja	21,552	1.11
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.42
				<i>Gymnodinium</i> sp.	1,600	16.31
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	21.65
				<i>Peridinium pusillum</i> (Penard) Lemmermann	7,600	23.21
			Cyanobacteria	<i>Snowella</i> sp	200	0.10
				<i>Anabaena solitaria</i> Klebs	2,800	0.55
			Chlorophyceae	<i>Carteria</i> spp.	800	1.81
				<i>Sphaerocystis schroeteri</i> Chodat	57,472	1.08
				<i>Oocystis lacustris</i> Chodat	57,472	2.89
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	21,552	1.22
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.45
				<i>Planctonema lauterbornii</i> Schmidle	122,128	15.35
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Botryococcus braunii</i> Kutzing	400	0.57
				<i>Oocystis gigas</i> Archer	400	0.97
				Small chrysophyceae	524,432	5.40
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	222,704	14.56
				<i>Chrysococcus</i> sp.	567,536	37.12
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.65

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0103	1	August	Chrysophyceae	<i>Kephyrion boreale</i> Skuja	28,736	3.59
				<i>Kephyrion</i> sp.	57,472	0.74
				<i>Spiniferomonas sirrata</i> *****	57,472	6.50
				<i>Mallomonas crassisquama</i> (Asmund) Fott	2,100	2.20
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	1,800	3.58
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	1.30
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Dinobryon sociale</i> Ehrenberg	93,392	21.13
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	1.51
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	229,888	99.98
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.51
				<i>Rhizosolenia erienze</i> H.L. Smith	14,368	0.91
				<i>Synedra acus</i> Kutzing	5,400	0.62
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.76
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	143,680	18.06
				<i>Cryptomonas erosa</i> Ehrenberg	4,200	5.00
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.65
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.53
				<i>Cryptomonas rostratiformis</i> Skuja	1,600	3.28
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.70
				<i>Gymnodinium</i> sp.	7,184	2.41
				<i>Gymnodinium</i> sp.	1,800	25.45
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	9.38
	1	September	Cyanobacteria	<i>Snowella</i> sp	400	0.40
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.10
				<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.20
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.15
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.97
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.14
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	400	0.37
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	1,000	0.90
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.46
			Euglenophyceae	<i>Trachelomonas volvocina</i> Ehrenberg	200	0.41
			Chrysophyceae	Small chrysophyceae	373,568	5.27
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	387,936	25.37
				<i>Kephyrion boreale</i> Skuja	14,368	1.32
				<i>Kephyrion</i> sp.	50,288	0.46
				<i>Spiniferomonas sirrata</i> *****	28,736	0.69
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.84
				<i>Synura sphagnicola</i> Korschikow	200	3.10
				<i>Dinobryon bavaricum</i> Imhof	100,576	22.75
				<i>Dinobryon bavaricum</i> Imhof	2,600	5.18
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.25
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Epiphyxis</i> sp.	7,184	0.52
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	43,104	1.14
				<i>Uroglena volvox</i> Ehrenberg	208,336	23.56
				<i>Chrysochromulina laurentiana</i> Kling	502,880	263.31
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.74
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	3.56
				<i>Cyclotella ocellata</i> Pant.	14,368	1.61
				<i>Rhizosolenia erienze</i> H.L. Smith	79,024	6.70
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	800	0.62
				<i>Synedra acus</i> Kutzing	23,400	2.23
				<i>Asterionella formosa</i> Hassall	24,600	2.58
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.94
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	100,576	12.64
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	6.01
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.35
				<i>Katablepharis ovalis</i> Skuja	50,288	2.36
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.70
				<i>Gymnodinium</i> sp.	1,200	12.37
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	4.72
				<i>Peridinium aciculiferum</i> Lemmermann	800	7.24
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.22
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Botryococcus braunii</i> Kutzing	600	0.54

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0104	1	July		<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.49
			Chrysophyceae	Small chrysophyceae	431,040	6.08
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	445,408	29.13
				<i>Chrysococcus</i> sp.	984,208	53.54
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	7.52
				<i>Kephyrion</i> sp.	79,024	1.36
				<i>Spiniferomonas sirrata</i> *****	50,288	4.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Synura sphagnicola</i> Korschikow	7,184	2.89
				<i>Dinobryon borgei</i> Lemmermann	79,024	4.05
				<i>Dinobryon bavaricum</i> Imhof	150,864	34.13
				<i>Dinobryon bavaricum</i> Imhof	4,400	5.39
				<i>Dinobryon sertularia</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sertularia</i> Ehrenberg	2,200	5.56
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.52
				<i>Uroglena volvox</i> Ehrenberg	747,136	84.50
				<i>Chrysochromulina laurentiana</i> Kling	143,680	62.49
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.36
				<i>Dinobryon attenuatum</i> Hill	14,368	2.44
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,000	3.64
				<i>Cyclotella pseudostelligera</i>	14,368	5.64
				<i>Rhizosolenia erienze</i> H.L. Smith	847,712	65.95
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,600	3.09
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	2,000	2.60
				<i>Synedra acus</i> Kutzing	19,800	2.45
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	4,600	10.40
				<i>Asterionella formosa</i> Hassall	13,800	1.44
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.41
				<i>Cyclotella bodanica</i> Eulenst.	600	4.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	14,368	1.20
				<i>Cryptomonas erosa</i> Ehrenberg	5,800	9.36
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.23
				<i>Cryptomonas rostratiformis</i> Skuja	2,000	4.24
				<i>Katablepharis ovalis</i> Skuja	35,920	2.08
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	5.00
				<i>Gymnodinium</i> sp.	1,400	21.84
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	7.76
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,600	8.16
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
	1	August	Cyanobacteria	<i>Snowella</i> sp	400	0.20
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.11
				<i>Chlamydomonas</i> spp.	7,184	0.09
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.45
				<i>Oocystis lacustris</i> Chodat	28,736	1.45
				<i>Paulschulzia pseudovolvox</i> (Schulz and Teiling) Skuja	200	0.54
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.90
				<i>Planctonema lauterbornii</i> Schmidle	122,128	15.35
				<i>Cosmarium</i> sp.	800	3.77
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.36
				<i>Botryococcus braunii</i> Kutzing	200	0.29
			Chrysophyceae	Small chrysophyceae	301,728	3.86
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	323,280	21.14
				<i>Chrysococcus</i> sp.	581,904	38.06
				<i>Kephyrion boreale</i> Skuja	43,104	5.12
				<i>Kephyrion</i> sp.	129,312	2.43
				<i>Spiniferomonas sirrata</i> *****	79,024	8.94
				<i>Dinobryon borgei</i> Lemmermann	50,288	2.62
				<i>Dinobryon bavaricum</i> Imhof	57,472	13.00
				<i>Dinobryon bavaricum</i> Imhof	1,400	2.79
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	7,184	3.11
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	400	2.03
				<i>Dinobryon sertularia</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	179,600	40.63
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	86,208	1.65
				<i>Uroglena volvox</i> Ehrenberg	186,784	21.13
				<i>Chrysochromulina laurentiana</i> Kling	215,520	99.83
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.47
				<i>Pteridomonas</i> sp.	28,736	7.07
				<i>Cyclotella stelligera</i> Cleve and Grunow	4,000	8.59

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Cyclotella ocellata</i> Pant.	50,288	3.69
				<i>Rhizosolenia eriense</i> H.L. Smith	14,368	1.22
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	12,000	10.08
				<i>Synedra acus</i> Kutzing	5,000	0.51
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.09
				<i>Cyclotella bodanica</i> Eulenst.	400	2.50
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	193,968	26.81
				<i>Cryptomonas erosa</i> Ehrenberg	5,800	6.59
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.70
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.70
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.83
				<i>Gymnodinium</i> sp.	7,184	2.38
				<i>Gymnodinium</i> sp.	2,200	37.75
				<i>Peridinium pusillum</i> (Penard) Lemmermann	5,600	12.93
	1	September	Cyanobacteria	<i>Anabaena flos-aquae</i> (Lyngb.) Breb. & Bornet	200	0.51
			Chlorophyceae	<i>Carteria</i> spp.	200	0.40
				<i>Sphaerocystis Schroeteri</i> Chodat	14,368	0.20
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Crucigenia quadrata</i> Morr.	79,024	0.89
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.81
				<i>Planctonema lauterbornii</i> Schmidle	43,104	5.96
				<i>Cosmarium</i> sp.	600	0.84
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07
				<i>Staurodesmus paradoxum</i> Meyen	200	0.87
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	600	0.54
			Chrysophyceae	Small chrysophyceae	237,072	3.03
				Large chrysophyceae	28,736	10.97
				<i>Chrysochromulina parva</i> Lackey	352,016	23.02
				<i>Chrysococcus</i> sp.	538,800	35.24
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	3.76
				<i>Kephyrion boreale</i> Skuja	7,184	0.66
				<i>Kephyrion</i> sp.	50,288	0.95
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	1,400	2.79
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	21,552	8.63
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Uroglena volvox</i> Ehrenberg	244,256	27.63
				<i>Chrysochromulina laurentiana</i> Kling	452,592	236.98
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	143,680	3.65
				<i>Dinobryon attenatum</i> Hill	7,184	0.94
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	5.09
				<i>Rhizosolenia eriense</i> H.L. Smith	71,840	6.09
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,200	0.93
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	400	0.57
				<i>Synedra acus</i> Kutzing	26,000	2.34
				<i>Asterionella formosa</i> Hassall	8,000	0.84
				<i>Cyclotella michiganiana</i> Skvortzow	114,944	2.82
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	122,128	15.35
				<i>Cryptomonas erosa</i> Ehrenberg	8,000	12.70
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.27
				<i>Katablepharis ovalis</i> Skuja	28,736	1.48
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	14,368	6.09
				<i>Gymnodinium</i> sp.	2,600	28.62
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	6.70
				<i>Peridinium pusillum</i> (Penard) Lemmermann	5,200	9.75
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.43
			Cyanobacteria	<i>Snowella</i> sp	200	0.30
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.11
				<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.24
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	50,288	6.32
				<i>Euastrum</i> spp.	800	1.49
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				Small chrysophyceae	416,672	5.88
				Large chrysophyceae	100,576	18.06
				<i>Chrysochromulina parva</i> Lackey	481,328	31.48
				<i>Chrysococcus</i> sp.	833,344	45.33
				<i>Chrysostephanospaera globulifera</i> Scherffell	43,104	22.57
				<i>Kephyrion boreale</i> Skuja	7,184	0.66
				<i>Kephyrion</i> sp.	122,128	1.56
				<i>Spiniferomonas sirrata</i> *****	21,552	2.56
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Synura sphagnicola</i> Korschikow	200	3.70

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	July	Chrysophyceae	<i>Dinobryon borgei</i> Lemmermann	143,680	7.04
				<i>Dinobryon bavaricum</i> Imhof	122,128	27.63
				<i>Dinobryon bavaricum</i> Imhof	8,200	16.33
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.40
				<i>Dinobryon sertularia</i> Ehrenberg	100,576	22.75
				<i>Dinobryon sertularia</i> Ehrenberg	2,400	5.04
				<i>Epiphyxis</i> sp.	21,552	1.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	86,208	2.34
				<i>Uroglena volvox</i> Ehrenberg	660,928	74.75
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.17
				<i>Chrysochromulina laurentiana</i> Kling	79,024	34.37
				<i>Stichogloea</i> spp.	71,840	3.61
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	57,472	1.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.91
				<i>Cyclotella pseudostelligera</i>	21,552	7.31
				<i>Rhizosolenia erienze</i> H.L. Smith	1,149,440	73.10
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.17
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	4,000	5.38
				<i>Synedra acus</i> Kutzing	29,800	3.59
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	5,400	11.20
				<i>Asterionella formosa</i> Hassall	11,400	1.21
				<i>Eunotia zazumenensis</i> *****	5,200	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.87
				<i>Cyclotella bodanica</i> Eulenst.	400	2.34
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	86,208	7.22
				<i>Cryptomonas erosa</i> Ehrenberg	9,400	14.86
				<i>Cryptomonas ovata</i> Ehrenberg	400	1.81
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,600	1.91
				<i>Cryptomonas rostratiformis</i> Skuja	2,400	5.09
				<i>Katablepharis ovalis</i> Skuja	28,736	1.48
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.90
				<i>Gymnodinium</i> sp.	1,600	24.96
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.69
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	7.33
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.61
	2	July	Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.76
				<i>Snowella</i> sp	400	0.60
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	43,104	0.76
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.61
				<i>Euastrum</i> spp.	200	0.37
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Ankistrodesmus spiralis</i> Lemmermann	14,368	0.97
			Chrysophyceae	Small chrysophyceae	244,256	3.44
				Large chrysophyceae	64,656	11.61
				<i>Chrysochromulina parva</i> Lackey	438,224	28.66
				<i>Chrysococcus</i> sp.	926,736	50.41
				<i>Chrysostephanospaera globulifera</i> Scherffel	50,288	26.33
				<i>Kephyrion boreale</i> Skuja	14,368	1.32
				<i>Kephyrion</i> sp.	79,024	1.01
				<i>Spiniferomonas sirrata</i> *****	28,736	3.41
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.22
				<i>Dinobryon borgei</i> Lemmermann	172,416	8.45
				<i>Dinobryon bavaricum</i> Imhof	79,024	17.88
				<i>Dinobryon bavaricum</i> Imhof	8,000	15.93
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	800	2.80
				<i>Dinobryon sertularia</i> Ehrenberg	100,576	22.75
				<i>Dinobryon sertularia</i> Ehrenberg	1,800	3.78
				<i>Epiphyxis</i> sp.	28,736	2.07
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	107,760	2.93
				<i>Uroglena volvox</i> Ehrenberg	617,824	69.88
				<i>Chrysochromulina laurentiana</i> Kling	71,840	31.24
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,000	3.64
				<i>Rhizosolenia erienze</i> H.L. Smith	1,048,864	66.71
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,200	1.03
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	3,200	4.32
				<i>Synedra acus</i> Kutzing	34,200	4.12
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	5,000	10.37
				<i>Asterionella formosa</i> Hassall	12,800	1.35
				<i>Eunotia zazumenensis</i> *****	2,800	0.09
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.49
				<i>Cyclotella bodanica</i> Eulenst.	200	1.17
				<i>Rhodomonas minuta</i> Skuja	86,208	7.22
				<i>Cryptomonas erosa</i> Ehrenberg	10,200	16.12

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0105			Cryptophyceae	<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,800	1.32
				<i>Cryptomonas rostratiformis</i> Skuja	1,800	3.82
				<i>Katablepharis ovalis</i> Skuja	28,736	1.48
			Dinophyceae	<i>Gymnodinium</i> sp.	1,600	24.96
				<i>Gymnodinium</i> sp.	400	9.80
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	14.06
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	4.89
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.61
		August	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.53
				<i>Oocystis lacustris</i> Chodat	28,736	0.70
				<i>Dictyosphaerium simplex</i> Sukja	21,552	0.10
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.45
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.75
				<i>Planctonema lauterbornii</i> Schmidle	93,392	11.74
				<i>Cosmarium</i> sp.	200	0.32
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.12
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	725,584	10.23
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	251,440	16.44
				<i>Chrysococcus</i> sp.	581,904	38.06
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.12
				<i>Kephyrion</i> sp.	71,840	1.12
				<i>Spiniferomonas sirrata</i> *****	64,656	7.31
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.43
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.88
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	1,600	3.19
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	200	1.02
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Dinobryon sociale</i> Ehrenberg	200	0.40
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	79,024	2.54
				<i>Uroglena volvox</i> Ehrenberg	129,312	14.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	143,680	62.49
				<i>Stichogloea</i> spp.	50,288	2.53
				<i>Bicoeca lacustris</i> Clark	7,184	0.63
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.63
				<i>Pteridomonas</i> sp.	28,736	5.95
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	4.93
				<i>Rhizosolenia eriense</i> H.L. Smith	21,552	1.37
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,200	3.25
				<i>Synedra acus</i> Kutzing	4,800	0.50
				<i>Asterionella formosa</i> Hassall	4,000	0.42
				<i>Cyclotella michiganiana</i> Skvortzow	93,392	2.29
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	9.93
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	6.27
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.38
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.53
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.90
				<i>Gymnodinium</i> sp.	2,400	33.93
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,800	11.50
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.11
				<i>Carteria</i> spp.	400	1.24
				<i>Chlamydomonas</i> spp.	21,552	0.27
				<i>Sphaerocystis schroeteri</i> Chodat	57,472	0.90
				<i>Pediastrum duplex</i> Meyen	2,400	0.24
				<i>Oocystis lacustris</i> Chodat	35,920	0.93
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Kichnerella lunaris</i> (Kirchn.) Moeb.	57,472	0.81
				<i>Planctonema lauterbornii</i> Schmidle	35,920	4.52
				<i>Cosmarium</i> sp.	200	0.94
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.25
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	600	0.54
				<i>Monomastix minuta</i> Skuja	7,184	0.14
				Small chrysophyceae	495,696	6.34
				Large chrysophyceae	21,552	4.39
				<i>Chrysochromulina parva</i> Lackey	330,464	21.61
				<i>Chrysococcus</i> sp.	617,824	40.41
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	5.67
				<i>Kephyrion boreale</i> Skuja	14,368	1.32

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September	Chrysophyceae	<i>Kephyrion</i> sp.	21,552	0.28
				<i>Dinobryon bavaricum</i> Imhof	57,472	13.00
				<i>Dinobryon bavaricum</i> Imhof	1,200	2.39
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	7,184	2.86
				<i>Dinobryon sertularia</i> Ehrenberg	600	3.05
				<i>Dinobryon sociale</i> Ehrenberg	71,840	16.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.77
				<i>Uroglena volvox</i> Ehrenberg	136,496	15.44
				<i>Chrysochromulina laurentiana</i> Kling	380,752	211.55
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	129,312	3.17
				<i>Dinobryon attenatum</i> Hill	14,368	1.69
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	8,800	16.00
				<i>Cyclotella ocellata</i> Pant.	14,368	1.19
				<i>Rhizosolenia erienze</i> H.L. Smith	50,288	3.20
				<i>Fragilaria crotonensis</i> Kitton	1,600	0.54
				<i>Synedra acus</i> Kutzing	24,800	2.36
				<i>Asterionella formosa</i> Hassall	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	122,128	2.99
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	86,208	10.84
				<i>Cryptomonas erosa</i> Ehrenberg	8,400	13.56
				<i>Cryptomonas ovata</i> Ehrenberg	200	1.12
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	14,368	0.74
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.61
				<i>Gymnodinium</i> sp.	21,552	7.37
				<i>Gymnodinium</i> sp.	2,200	22.67
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	10.27
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,800	9.36
				<i>Peridinium aciculiferum</i> Lemmermann	5,200	47.05
	1	July	Cyanobacteria	<i>Anabaena solitaria</i> Klebs	12,600	2.46
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.22
				<i>Oocystis lacustris</i> Chodat	14,368	0.84
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.45
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.27
				<i>Planctonema lauterbornii</i> Schmidle	43,104	5.42
				<i>Cosmarium</i> sp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	600	0.86
			Chrysophyceae	Small chrysophyceae	596,272	9.30
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	581,904	38.06
				<i>Chrysococcus</i> sp.	495,696	32.42
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	165,232	2.84
				<i>Spiniferomonas sirrata</i> *****	43,104	3.17
				<i>Mallomonas caudata</i> Ivanov	400	2.14
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,600	1.68
				<i>Dinobryon borgei</i> Lemmermann	43,104	2.21
				<i>Dinobryon mucronutom</i> Nygaard	64,656	8.38
				<i>Dinobryon bavaricum</i> Imhof	287,360	65.00
				<i>Dinobryon bavaricum</i> Imhof	3,000	3.68
				<i>Dinobryon sertularia</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sertularia</i> Ehrenberg	4,800	12.12
				<i>Epiphyxis</i> sp.	21,552	1.68
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	43,104	1.22
				<i>Uroglena volvox</i> Ehrenberg	890,816	100.75
				<i>Chrysochromulina laurentiana</i> Kling	79,024	34.37
				<i>Stichogloea</i> spp.	28,736	1.66
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,800	6.91
				<i>Rhizosolenia erienze</i> H.L. Smith	423,856	32.98
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	7,400	6.21
				<i>Synedra acus</i> Kutzing	8,800	1.06
				<i>Asterionella formosa</i> Hassall	5,600	0.53
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.93
				<i>Rhodomonas minuta</i> Skuja	79,024	11.02
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	7,400	11.95
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.13
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.70
				<i>Katablepharis ovalis</i> Skuja	28,736	1.62
				<i>Gymnodinium</i> sp.	400	6.24
			Dinophyceae	<i>Peridinium pusillum</i> (Penard) Lemmermann	4,600	11.63
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
				<i>Chlamydomonas</i> spp.	14,368	0.22
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.22
				<i>Elakatothrix gelatinosa</i> Willen	129,312	3.69

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0201	1	August	Chlorophyceae	<i>Planctonema lauterbornii</i> Schmidle	71,840	9.03
				<i>Euastrum</i> spp.	800	1.93
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.21
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	653,744	3.66
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	143,680	9.40
				<i>Chrysococcus</i> sp.	359,200	18.32
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.83
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	64,656	0.83
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Dinobryon sociale</i> Ehrenberg	64,656	14.63
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	71,840	30.26
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.20
				<i>Pteridomonas</i> sp.	21,552	5.30
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,400	8.00
				<i>Cyclotella pseudostelligera</i>	7,184	3.87
				<i>Cyclotella ocellata</i> Pant.	14,368	1.24
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	6,400	5.31
				<i>Fragilaria crotonensis</i> Kitton	2,000	0.59
				<i>Synedra acus</i> Kutzing	1,600	0.18
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.00
				<i>Cyclotella bodanica</i> Eulenz.	1,800	10.53
				<i>Diatoma elongatum</i> Agardh	600	0.03
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	150,864	20.85
				<i>Cryptomonas erosa</i> Ehrenberg	4,200	4.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,400	1.64
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.77
				<i>Katablepharis ovalis</i> Skuja	14,368	0.74
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	3.35
				<i>Gymnodinium</i> sp.	600	4.68
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	4.19
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
	1	September	Cyanobacteria	<i>Snowella</i> sp	200	0.15
				<i>Planktothrix</i>	200	2.62
			Chlorophyceae	<i>Pyramidomonas tetrahynchus</i> Schmarda	200	0.10
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	14,368	0.82
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.61
				<i>Cosmarium</i> sp.	200	0.55
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	400	0.36
			Chrysophyceae	Small chrysophyceae	488,512	6.89
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	330,464	21.61
				<i>Chrysococcus</i> sp.	466,960	30.54
				<i>Kephyrion</i> sp.	28,736	0.70
				<i>Spiniferomonas sirrata</i> *****	35,920	3.30
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.60
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.35
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	3,200	6.37
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	2,600	13.22
				<i>Dinobryon sociale</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sociale</i> Ehrenberg	1,000	1.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.82
				<i>Uroglena volvox</i> Ehrenberg	57,472	6.50
				<i>Uroglena volvox</i> Ehrenberg	200	14.52
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	21,552	1.08
				<i>Chrysochromulina laurentiana</i> Kling	79,024	41.38
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.62
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	12,200	24.14
				<i>Cyclotella ocellata</i> Pant.	35,920	3.75
				<i>Synedra acus</i> Kutzing	3,200	0.37
				<i>Asterionella formosa</i> Hassall	19,000	2.01
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.39

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cyclotella bodanica</i> Eulenst.	600	5.50
				<i>Rhodomonas minuta</i> Skuja	122,128	18.42
				<i>Cryptomonas erosa</i> Ehrenberg	4,800	7.75
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
				<i>Katablepharis ovalis</i> Skuja	7,184	0.37
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.61
				<i>Gymnodinium</i> sp.	1,000	10.65
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.13
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,800	8.46
				<i>Peridinium aciculiferum</i> Lemmermann	800	7.24
MEL - 0202	1	July	Chlorophyceae	<i>Pediastrum duplex</i> Meyen	3,600	0.37
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.14
				<i>Cosmarium</i> sp.	200	0.61
				<i>Botryococcus braunii</i> Kutzing	200	0.29
			Chrysophyceae	Small chrysophyceae	308,912	5.81
				Large chrysophyceae	35,920	6.18
				<i>Chrysochromulina parva</i> Lackey	43,104	2.82
				<i>Chrysococcus</i> sp.	114,944	7.52
				<i>Chrysostephanospaera globulifera</i> Scherfffel	21,552	11.28
				<i>Kephyrion</i> sp.	21,552	0.20
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Uroglena volvox</i> Ehrenberg	14,368	1.63
				<i>Chrysochromulina laurentiana</i> Kling	7,184	3.33
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	64,656	2.08
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	800	1.45
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,000	4.05
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	1,600	2.55
				<i>Synedra acus</i> Kutzing	800	0.10
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.09
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	200	0.34
				<i>Katablepharis ovalis</i> Skuja	71,840	3.69
			Dinophyceae	<i>Peridinium pusillum</i> (Penard) Lemmermann	400	1.26
	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.18
				<i>Snowella</i> sp	200	0.11
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	43,104	1.44
				<i>Oocystis lacustris</i> Chodat	14,368	0.38
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.75
				<i>Planctonema lauterbornii</i> Schmidle	50,288	6.32
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	600	1.12
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.26
				<i>Oocystis gigas</i> Archer	200	0.68
			Chrysophyceae	Small chrysophyceae	517,248	7.29
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	122,128	7.99
				<i>Chrysococcus</i> sp.	366,384	23.96
				<i>Kephyrion</i> sp.	114,944	1.79
				<i>Spiniferomonas sirrata</i> *****	35,920	4.27
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.61
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	71,840	8.13
				<i>Chrysochromulina laurentiana</i> Kling	64,656	29.95
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.18
				<i>Pteridomonas</i> sp.	14,368	3.19
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	8,000	15.83
				<i>Cyclotella pseudostelligera</i>	28,736	15.48
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.56
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	800	0.65
				<i>Synedra acus</i> Kutzing	1,000	0.12
				<i>Asterionella formosa</i> Hassall	2,600	0.26
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.23
				<i>Cyclotella bodanica</i> Eulenst.	2,600	20.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	23.83
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	4.36
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.17
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.35
				<i>Katablepharis ovalis</i> Skuja	7,184	0.52
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	400	4.60
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,000	9.93
			Cyanobacteria	<i>Snowella</i> sp	200	0.15

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September	Cyanobacteria	<i>Anabaena flos-aquae</i> (Lyngb.) Breb. & Bornet	200	0.47
			Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.24
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.32
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.17
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	1,800	1.63
			Chrysophyceae	Small chrysophyceae	510,064	7.19
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	251,440	16.44
				<i>Chrysococcus</i> sp.	323,280	21.14
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	2.65
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	86,208	2.10
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.44
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.75
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	1,200	2.39
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	1,400	7.12
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sociale</i> Ehrenberg	1,000	1.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.33
				<i>Uroglena volvox</i> Ehrenberg	150,864	17.06
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	14,368	0.72
				<i>Chrysochromulina laurentiana</i> Kling	129,312	67.71
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.39
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	8,600	17.02
				<i>Cyclotella ocellata</i> Pant.	35,920	3.75
				<i>Rhizosolenia eriensis</i> H.L. Smith	7,184	0.46
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,400	1.99
				<i>Synedra acus</i> Kutzing	800	0.10
				<i>Asterionella formosa</i> Hassall	8,800	0.92
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	1.87
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	129,312	16.25
				<i>Cryptomonas erosa</i> Ehrenberg	6,200	10.01
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.53
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
			Dinophyceae	<i>Gymnodinium</i> sp.	1,800	19.18
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.67
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
	1	July	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	114,944	12.36
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.07
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.62
				<i>Planctonema lauterbornii</i> Schmidle	64,656	8.13
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	400	2.31
				<i>Botryococcus braunii</i> Kutzing	200	0.29
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.56
			Chrysophyceae	Small chrysophyceae	610,640	12.58
				Large chrysophyceae	86,208	32.91
				<i>Chrysochromulina parva</i> Lackey	452,592	29.60
				<i>Chrysococcus</i> sp.	409,488	5.77
				<i>Chrysostephanospaera globulifera</i> Scherffell	21,552	11.28
				<i>Kephyrion</i> sp.	86,208	0.79
				<i>Spiniferomonas sirrata</i> *****	21,552	2.56
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.43
				<i>Dinobryon borgei</i> Lemmermann	64,656	3.33
				<i>Dinobryon mucronutum</i> Nygaard	14,368	1.45
				<i>Dinobryon bavaricum</i> Imhof	237,072	53.63
				<i>Dinobryon bavaricum</i> Imhof	7,200	8.82
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	200	2.03
				<i>Dinobryon sertularia</i> Ehrenberg	79,024	17.88
				<i>Dinobryon sertularia</i> Ehrenberg	2,600	5.18
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	43,104	1.03
				<i>Uroglena volvox</i> Ehrenberg	739,952	83.69
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	28,736	11.72
				<i>Bicoeca lacustris</i> Clark	7,184	0.50
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.53
				<i>Pteridomonas</i> sp.	14,368	3.19

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0203			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	400	0.73
				<i>Rhizosolenia erienze</i> H.L. Smith	344,832	26.83
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,600	1.48
				<i>Synedra acus</i> Kutzing	1,800	0.21
				<i>Asterionella formosa</i> Hassall	5,000	0.53
				<i>Cyclotella michiganiana</i> Skvortzow	107,760	2.64
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	93,392	12.32
				<i>Cryptomonas erosa</i> Ehrenberg	3,400	5.49
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.29
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.67
				<i>Katablepharis ovalis</i> Skuja	14,368	0.59
			Dinophyceae	<i>Gymnodinium</i> sp.	800	7.36
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	14.43
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	3.03
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.87
	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.73
				<i>Snowella</i> sp	600	0.30
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.18
				<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.48
				<i>Oocystis lacustris</i> Chodat	57,472	1.36
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.41
				<i>Planctonema lauterbornii</i> Schmidle	50,288	6.32
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.29
				<i>Staurodesmus paradoxum</i> Meyen	200	0.82
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.28
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	603,456	8.51
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	71,840	4.70
				<i>Chrysococcus</i> sp.	495,696	32.42
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	3.33
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	114,944	1.06
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.40
				<i>Synura sphagnicola</i> Korschikow	7,184	4.51
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	6.10
				<i>Dinobryon sociale</i> Ehrenberg	158,048	35.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.51
				<i>Uroglena volvox</i> Ehrenberg	107,760	12.19
				<i>Chrysochromulina laurentiana</i> Kling	79,024	34.37
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.43
				<i>Pteridomonas</i> sp.	28,736	6.38
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	5,200	11.79
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.46
				<i>Synedra acus</i> Kutzing	3,000	0.33
				<i>Asterionella formosa</i> Hassall	3,200	0.34
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
				<i>Cyclotella bodanica</i> Eulenst.	1,000	8.42
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	165,232	20.77
				<i>Cryptomonas erosa</i> Ehrenberg	7,200	8.54
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,000	1.33
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.40
				<i>Katablepharis ovalis</i> Skuja	7,184	0.51
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.80
				<i>Gymnodinium</i> sp.	800	7.62
				<i>Peridinium pusillum</i> (Penard) Lemmermann	17,600	48.55
			Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	129,312	5.02
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	28,736	0.80
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.36
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				Small chrysophyceae	395,120	5.57
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	265,808	17.38
				<i>Chrysococcus</i> sp.	380,752	24.90
				<i>Kephyrion</i> sp.	100,576	2.45
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.85
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.81
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.93

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September	Chrysophyceae	<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	1,800	3.58
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	1,800	9.15
				<i>Dinobryon sociale</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sociale</i> Ehrenberg	400	0.50
				<i>Uroglena volvox</i> Ehrenberg	251,440	28.44
				<i>Uroglena volvox</i> Ehrenberg	400	21.04
				<i>Chrysochromulina laurentiana</i> Kling	86,208	45.14
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.58
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	12,400	22.87
				<i>Cyclotella ocellata</i> Pant.	21,552	1.65
				<i>Synedra acus</i> Kutzing	3,000	0.36
				<i>Asterionella formosa</i> Hassall	18,200	1.91
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	1.99
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	13.55
				<i>Cryptomonas erosa</i> Ehrenberg	4,000	6.46
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.27
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.23
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	2,200	12.77
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	6.70
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	6.86
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.48
	1	July	Cyanobacteria	<i>Radiocystis geminata</i> Skuja	7,184	1.26
			Chhlorophyceae	<i>Chlamydomonas</i> spp.	21,552	0.23
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.27
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.61
				<i>Cosmarium</i> sp.	400	2.74
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.30
				<i>Staurodesmus paradoxum</i> Meyen	200	0.41
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.46
			Chrysophyceae	Small chrysophyceae	481,328	7.51
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	445,408	29.13
				<i>Chrysococcus</i> sp.	416,672	24.13
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.76
				<i>Kephyrion</i> sp.	86,208	0.99
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,600	1.64
				<i>Dinobryon borgei</i> Lemmermann	79,024	4.07
				<i>Dinobryon mucronutom</i> Nygaard	57,472	6.37
				<i>Dinobryon bavaricum</i> Imhof	294,544	66.63
				<i>Dinobryon bavaricum</i> Imhof	4,800	5.88
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	4,400	8.76
				<i>Epiphyxis</i> sp.	21,552	1.37
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	100,576	2.60
				<i>Uroglena volvox</i> Ehrenberg	761,504	86.13
				<i>Chrysochromulina laurentiana</i> Kling	150,864	69.88
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.20
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	4.00
				<i>Cyclotella pseudostelligera</i>	35,920	19.35
				<i>Rhizosolenia eriense</i> H.L. Smith	287,360	22.36
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.17
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.23
				<i>Synedra acus</i> Kutzing	5,600	0.67
				<i>Asterionella formosa</i> Hassall	4,200	0.44
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	11.57
				<i>Cryptomonas erosa</i> Ehrenberg	4,400	7.29
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.59
				<i>Cryptomonas rostratiformis</i> Skuja	1,400	2.87
				<i>Katablepharis ovalis</i> Skuja	14,368	0.81
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	5.18
				<i>Gymnodinium</i> sp.	800	7.36
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	10.27
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.87
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	35,920	1.20
				<i>Oocystis lacustris</i> Chodat	21,552	1.08
				<i>Elakatothrix gelatinosa</i> Willen	93,392	1.47
				<i>Planctonema lauterbornii</i> Schmidle	71,840	9.03
				<i>Cosmarium</i> sp.	600	0.43

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0204	1	August	Chlorophyceae	<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus (Andersson) Teiling</i>	800	0.28
				<i>Staurodesmus</i> sp.	400	1.27
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	800	1.15
			Chrysophyceae	Small chrysophyceae	639,376	6.59
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	57,472	3.76
				<i>Chrysococcus</i> sp.	344,832	22.55
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	2.74
				<i>Kephyrion boreale</i> Skuja	14,368	1.47
				<i>Kephyrion</i> sp.	122,128	2.30
				<i>Spiniferomonas sirrata</i> *****	43,104	1.18
				<i>Mallomonas crassisquama (Asmund) Fott</i>	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.94
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	21,552	0.57
				<i>Uroglena volvox</i> Ehrenberg	50,288	5.69
				<i>Chrysochromulina laurentiana</i> Kling	64,656	28.12
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.21
				<i>Pteridomonas</i> sp.	28,736	7.07
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,600	6.55
				<i>Rhizosolenia eriense</i> H.L. Smith	14,368	0.91
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	2,800	2.08
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	2,800	0.29
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.12
				<i>Cyclotella bodanica</i> Eulenst.	1,800	12.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	265,808	36.73
				<i>Cryptomonas erosa</i> Ehrenberg	6,200	6.98
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	1,600	1.06
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.19
				<i>Katablepharis ovalis</i> Skuja	14,368	0.93
			Dinophyceae	<i>Gymnodinium</i> sp.	2,000	18.41
				<i>Peridinium pusillum (Penard) Lemmermann</i>	4,000	9.58
	1	September	Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	400	0.21
				<i>Sphaerocystis schroeteri</i> Chodat	35,920	1.20
				<i>Monoraphidium minutum (Nag.) Komarkova-Legnerova</i>	7,184	0.32
				<i>Elakatothrix gelatinosa</i> Willen	21,552	0.57
				<i>Planctonema lauterbornii</i> Schmidle	43,104	5.42
				<i>Closterium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus (Andersson) Teiling</i>	200	0.08
			Chrysophyceae	Small chrysophyceae	416,672	5.88
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	352,016	23.02
				<i>Chrysococcus</i> sp.	431,040	28.19
				<i>Kephyrion</i> sp.	57,472	1.79
				<i>Spiniferomonas sirrata</i> *****	7,184	1.08
				<i>Mallomonas crassisquama (Asmund) Fott</i>	600	0.65
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	2,400	4.78
				<i>Dinobryon sertularia</i> Ehrenberg	2,200	11.19
				<i>Dinobryon sociale</i> Ehrenberg	100,576	22.75
				<i>Dinobryon sociale</i> Ehrenberg	1,200	1.50
				<i>Epiphyxis</i> sp.	14,368	1.09
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	14,368	0.38
				<i>Uroglena volvox</i> Ehrenberg	114,944	13.00
				<i>Bitrichia chodatii (Reverdin) Chodat</i>	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	229,888	120.37
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	86,208	2.50
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	2.12
				<i>Cyclotella ocellata</i> Pant.	28,736	2.11
				<i>Synedra acus</i> Kutzing	3,000	0.35
				<i>Asterionella formosa</i> Hassall	14,000	1.47
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
				<i>Cyclotella bodanica</i> Eulenst.	1,200	10.99
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	150,864	18.96
				<i>Cryptomonas erosa</i> Ehrenberg	4,200	6.87
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	1,000	0.70
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.64
				<i>Katablepharis ovalis</i> Skuja	7,184	0.42

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	800	6.78
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	13.40
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	4.01
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
MEL - 0205	1	July	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	43,104	5.12
				<i>Snowella</i> sp	600	0.33
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.22
				<i>Oocystis lacustris</i> Chodat	14,368	0.72
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.68
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.61
				<i>Cosmarium</i> sp.	200	0.28
				<i>Micrasterias</i> sp.	200	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
			Chrysophyceae	Small chrysophyceae	445,408	8.37
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	359,200	20.80
				<i>Chrysochromulina parva</i> Lackey	589,088	38.53
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	3.76
				<i>Kephyrion boreale</i> Skuja	7,184	0.66
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Synura sphagnicola</i> Korschikow	200	3.10
				<i>Dinobryon borgei</i> Lemmermann	86,208	3.98
				<i>Dinobryon mucronutum</i> Nygaard	35,920	4.70
				<i>Dinobryon bavaricum</i> Imhof	387,936	87.75
				<i>Dinobryon bavaricum</i> Imhof	5,400	6.62
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	7,184	2.88
				<i>Dinobryon sertularia</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sertularia</i> Ehrenberg	4,200	8.36
				<i>Epiphyxis</i> sp.	14,368	1.06
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	50,288	1.33
				<i>Uroglena volvox</i> Ehrenberg	790,240	89.38
				<i>Chrysochromulina laurentiana</i> Kling	165,232	76.54
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.16
				<i>Dinobryon attenatum</i> Hill	7,184	1.22
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	6.27
				<i>Cyclotella pseudostelligera</i>	7,184	3.87
				<i>Rhizosolenia erianse</i> H.L. Smith	316,096	24.59
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzin	1,400	1.08
				<i>Synedra acus</i> Kutzin	4,800	0.59
				<i>Asterionella formosa</i> Hassall	800	0.08
				<i>Cyclotella michiganiana</i> Skvortzow	7,184	0.18
				<i>Cyclotella bodanica</i> Eulenst.	200	2.51
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	12.72
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	9.11
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.27
				<i>Cryptomonas rostratiformis</i> Skuja	1,600	3.28
				<i>Katablepharis ovalis</i> Skuja	21,552	1.22
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	14.14
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	4.55
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.13
				<i>Sphaerocystis Schroeteri</i> Chodat	50,288	1.68
				<i>Tetraedron minimum</i> (Brunow) Hansgrig	7,184	1.25
				<i>Elakatothrix gelatinosa</i> Willen	43,104	1.10
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.25
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzin	400	0.28
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				<i>Monomastix minuta</i> Skuja	7,184	0.33
			Chrysophyceae	Small chrysophyceae	696,848	10.87
				Large chrysophyceae	28,736	6.60
				<i>Chrysochromulina parva</i> Lackey	43,104	2.82
				<i>Chrysococcus</i> sp.	488,512	31.95
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	4.35
				<i>Kephyrion</i> sp.	64,656	1.01
				<i>Spiniferomonas sirrata</i> *****	43,104	3.97
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.41
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	August		<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	93,392	10.56
				<i>Chrysochromulina laurentiana</i> Kling	107,760	46.86
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.29
				<i>Pteridomonas</i> sp.	28,736	6.84
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,000	11.87
				<i>Cyclotella ocellata</i> Pant.	14,368	1.44
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.46
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,200	1.00
				<i>Synedra acus</i> Kutzing	1,600	0.17
				<i>Cyclotella michiganiana</i> Skvortzow	93,392	1.78
				<i>Cyclotella bodanica</i> Eulenst.	1,600	12.35
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	208,336	26.19
				<i>Cryptomonas erosa</i> Ehrenberg	9,800	11.43
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,400	1.68
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.12
				<i>Katablepharis ovalis</i> Skuja	14,368	0.84
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	14,368	5.30
				<i>Gymnodinium</i> sp.	1,000	12.25
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	7.72
	1	September	Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.10
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.97
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.24
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Monomastix minuta</i> Skuja	7,184	0.13
			Chrysophyceae	Small chrysophyceae	466,960	6.58
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	287,360	18.79
				<i>Chrysococcus</i> sp.	308,912	20.20
				<i>Kephyrion</i> sp.	86,208	2.10
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.35
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	1,600	3.19
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	5.09
				<i>Dinobryon sociale</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sociale</i> Ehrenberg	1,200	1.50
				<i>Epiphyxis</i> sp.	14,368	1.03
				<i>Uroglena volvox</i> Ehrenberg	158,048	17.88
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	129,312	67.71
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	71,840	2.08
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	7,600	16.11
				<i>Cyclotella ocellata</i> Pant.	7,184	0.55
				<i>Synedra acus</i> Kutzing	1,400	0.16
				<i>Asterionella formosa</i> Hassall	9,600	1.00
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
				<i>Cyclotella bodanica</i> Eulenst.	400	3.66
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	165,232	20.77
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	5.91
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.67
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.27
			Dinophyceae	<i>Gymnodinium</i> sp.	1,200	10.06
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	6.21
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.43
				<i>Peridinium aciculiferum</i> Lemmermann	1,600	14.48
			Cyanobacteria	<i>Planktothrix</i>	200	5.54
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.44
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.45
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.91
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.35
				<i>Botryococcus braunii</i> Kutzing	200	0.29
				Small chrysophyceae	280,176	5.27
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	158,048	10.34
				<i>Chrysococcus</i> sp.	366,384	23.96
				<i>Chrysostephanospaera globulifera</i> Scherffcl	14,368	7.52

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0301	1	July	Chrysophyceae	<i>Kephyrion</i> sp.	86,208	1.34
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	1.05
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.32
				<i>Dinobryon bavaricum</i> Imhof	114,944	26.00
				<i>Dinobryon bavaricum</i> Imhof	6,000	7.35
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,800	6.10
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.53
				<i>Uroglena volvox</i> Ehrenberg	251,440	28.44
				<i>Chrysosphaerella longispina</i> Lauterborn	200	3.00
				<i>Chrysochromulina laurentiana</i> Kling	129,312	56.24
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.42
			Bacillariophyceae	<i>Pteridomonas</i> sp.	28,736	6.84
				<i>Cyclotella stelligera</i> Cleve and Grunow	400	0.63
				<i>Rhizosolenia eriense</i> H.L. Smith	50,288	3.20
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	1,600	1.33
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.25
				<i>Synedra acus</i> Kutzing	4,600	0.58
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	0.41
				<i>Asterionella formosa</i> Hassall	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.48
				<i>Cyclotella bodanica</i> Eulenst.	400	3.09
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	8.94
				<i>Cryptomonas erosa</i> Ehrenberg	4,400	7.83
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.41
				<i>Katablepharis ovalis</i> Skuja	21,552	1.22
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.42
				<i>Gymnodinium</i> sp.	7,184	3.05
				<i>Gymnodinium</i> sp.	1,400	11.32
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.83
	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.08
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.41
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.13
				<i>Planctonema lauterbornii</i> Schmidle	43,104	5.42
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus paradoxum</i> Meyen	200	0.73
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
			Chrysophyceae	Small chrysophyceae	495,696	4.06
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	215,520	14.10
				<i>Chrysococcus</i> sp.	380,752	24.90
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	43,104	0.40
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.36
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	400	1.36
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	215,520	48.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.54
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	79,024	36.60
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.38
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	5.94
				<i>Fragilaria crotonensis</i> Kitton	3,000	0.97
				<i>Synedra acus</i> Kutzing	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	7,184	0.19
				<i>Cyclotella bodanica</i> Eulenst.	800	6.17
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	13.55
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.08
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.14
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	400	4.08
				<i>Peridinium pusillum</i> (Penard) Lemmermann	400	0.99
				<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.08
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.54
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.16
				<i>Planctonema lauterbornii</i> Schmidle	64,656	8.13

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September	Chlorophyceae	<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	200	0.48
				<i>Monomastix minuta</i> Skuja	7,184	0.10
			Chrysophyceae	Small chrysophyceae	373,568	4.78
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	395,120	25.84
				<i>Chrysococcus</i> sp.	409,488	26.78
				<i>Chrysostephanospaera globulifera</i> Scherffell	21,552	7.95
				<i>Kephyrion</i> sp.	79,024	1.01
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Mallomonas akrokomos</i> Asmund and Kristiansen	7,184	1.63
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.36
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	2,600	13.22
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	107,760	12.19
				<i>Chrysochromulina laurentiana</i> Kling	107,760	56.42
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.56
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,400	7.55
				<i>Cyclotella ocellata</i> Pant.	258,624	26.97
				<i>Synedra acus</i> Kutzing	4,600	0.41
				<i>Asterionella formosa</i> Hassall	3,400	0.36
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	201,152	25.79
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.86
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.23
				<i>Katablepharis ovalis</i> Skuja	14,368	0.67
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	14,368	4.62
				<i>Gymnodinium</i> sp.	800	6.95
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.75
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
	2	September	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.24
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.30
				<i>Planctonema lauterbornii</i> Schmidle	28,736	3.61
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.42
				<i>Monomastix minuta</i> Skuja	7,184	0.14
			Chrysophyceae	Small chrysophyceae	445,408	5.70
				Large chrysophyceae	57,472	10.32
				<i>Chrysochromulina parva</i> Lackey	409,488	26.78
				<i>Chrysococcus</i> sp.	409,488	26.78
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	3.33
				<i>Kephyrion</i> sp.	100,576	1.29
				<i>Spiniferomonas sirrata</i> *****	21,552	2.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.41
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.61
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	1,800	3.58
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	6.10
				<i>Dinobryon sociale</i> Ehrenberg	158,048	35.75
				<i>Dinobryon sociale</i> Ehrenberg	1,000	1.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.26
				<i>Uroglena volvox</i> Ehrenberg	129,312	14.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	64,656	33.85
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	64,656	1.63
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,800	8.85
				<i>Synedra acus</i> Kutzing	3,800	0.38
				<i>Asterionella formosa</i> Hassall	3,000	0.30
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.27
				<i>Cyclotella bodanica</i> Eulenst.	600	4.63
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	122,128	15.35
				<i>Cryptomonas erosa</i> Ehrenberg	4,200	6.61
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Gymnodinium helveticum</i> Penard	200	4.81

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	5.30
				<i>Gymnodinium</i> sp.	600	5.72
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	3.79
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL - 0302	1	July	Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.73
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	165,232	5.96
				<i>Oocystis lacustris</i> Chodat	43,104	1.22
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.12
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Planctonema lauterbornii</i> Schmidle	21,552	2.71
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,400	0.49
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.18
			Chrysophyceae	Small chrysophyceae	150,864	2.84
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	222,704	14.56
				<i>Chrysococcus</i> sp.	287,360	18.79
				<i>Kephyrion</i> sp.	50,288	0.71
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.43
				<i>Dinobryon borgei</i> Lemmermann	57,472	2.63
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	5,200	6.37
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	3,400	6.77
				<i>Uroglena volvox</i> Ehrenberg	603,456	68.25
				<i>Uroglena volvox</i> Ehrenberg	200	2.26
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	79,024	36.60
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.21
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	2.55
				<i>Cyclotella pseudostelligera</i>	43,104	23.22
				<i>Rhizosolenia erienze</i> H.L. Smith	21,552	1.68
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	6,000	4.98
				<i>Synedra acus</i> Kutzing	6,000	0.75
				<i>Asterionella formosa</i> Hassall	2,000	0.21
				<i>Eunotia zazumenensis</i> *****	800	0.03
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	100,576	11.01
				<i>Cryptomonas erosa</i> Ehrenberg	3,400	5.82
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.14
				<i>Katablepharis ovalis</i> Skuja	14,368	0.83
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	15.55
				<i>Gymnodinium</i> sp.	600	5.52
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,000	6.11
	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.37
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Pediastrum duplex</i> Meyen	4,200	0.39
				<i>Oocystis lacustris</i> Chodat	14,368	0.34
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.62
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.14
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	43,104	1.63
			Chrysophyceae	Small chrysophyceae	416,672	5.33
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	215,520	14.10
				<i>Chrysococcus</i> sp.	359,200	22.13
				<i>Kephyrion boreale</i> Skuja	7,184	0.90
				<i>Kephyrion</i> sp.	57,472	0.81
				<i>Spiniferomonas sirrata</i> *****	14,368	1.00
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.62
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.80
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	400	0.39
				<i>Dinobryon sertularia</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	2.39
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.23
				<i>Uroglena volvox</i> Ehrenberg	79,024	8.94
				<i>Chrysochromulina laurentiana</i> Kling	114,944	49.99
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.19
				<i>Pteridomonas</i> sp.	28,736	6.61
				<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	5.46

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Cyclotella ocellata</i> Pant.	14,368	1.44
				<i>Synedra acus</i> Kutzing	1,800	0.19
				<i>Asterionella formosa</i> Hassall	1,200	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
				<i>Cyclotella bodanica</i> Eulenst.	1,000	7.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	100,576	12.64
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.55
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.41
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.77
			Dinophyceae	<i>Gymnodinium</i> sp.	600	5.52
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	3.73
	1	September	Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	21,552	0.41
				<i>Planctonema lauterbornii</i> Schmidle	35,920	4.52
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	800	0.92
			Chrysophyceae	Small chrysophyceae	359,200	4.60
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	452,592	29.60
				<i>Chrysococcus</i> sp.	323,280	21.14
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	5.67
				<i>Kephyrion boreale</i> Skuja	7,184	0.81
				<i>Kephyrion</i> sp.	79,024	1.36
				<i>Spiniferomonas sirrata</i> *****	7,184	0.85
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.78
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	1,600	3.19
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	2,400	12.20
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.19
				<i>Uroglena volvox</i> Ehrenberg	179,600	20.31
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	57,472	30.09
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	79,024	2.16
				<i>Pteridomonas</i> sp.	7,184	1.77
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	9.02
				<i>Cyclotella ocellata</i> Pant.	7,184	0.78
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.61
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,000	3.36
				<i>Fragilaria crotonensis</i> Kitton	2,400	0.77
				<i>Synedra acus</i> Kutzing	2,600	0.26
				<i>Asterionella formosa</i> Hassall	9,600	1.01
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
				<i>Cyclotella bodanica</i> Eulenst.	1,000	9.16
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	86,208	10.84
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	3.81
			Dinophyceae	<i>Gymnodinium</i> sp.	600	5.09
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.50
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
	1	July	Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.72
				<i>Snowella</i> sp	400	0.68
			Chlorophyceae	<i>Chlamydomonas</i> spp.	28,736	0.29
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.72
				<i>Oocystis lacustris</i> Chodat	7,184	0.17
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.29
				<i>Planctonema lauterbornii</i> Schmidle	14,368	1.81
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
			Chrysophyceae	Small chrysophyceae	581,904	11.99
				Large chrysophyceae	64,656	11.61
				<i>Chrysochromulina parva</i> Lackey	395,120	25.84
				<i>Chrysococcus</i> sp.	359,200	23.49
				<i>Kephyrion</i> sp.	93,392	1.20
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,400	1.51
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.92
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	280,176	63.38
				<i>Dinobryon bavaricum</i> Imhof	6,800	8.33
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	2,800	5.57
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	64,656	1.82
				<i>Uroglena volvox</i> Ehrenberg	481,328	54.44

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0303	1	August		<i>Chrysosphaerella longispina</i> Lauterborn	200	3.02
				<i>Chrysochromulina laurentiana</i> Kling	129,312	56.24
				<i>Bicoeca lacustris</i> Clark	7,184	0.70
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.43
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	2.55
				<i>Cyclotella pseudostelligera</i>	14,368	7.74
				<i>Rhizosolenia erienne</i> H.L. Smith	43,104	3.35
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.33
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	4,000	5.34
				<i>Synedra acus</i> Kutzing	3,400	0.42
				<i>Asterionella formosa</i> Hassall	2,400	0.25
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	21.45
				<i>Cryptomonas erosa</i> Ehrenberg	2,800	4.64
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.27
				<i>Katablepharis ovalis</i> Skuja	21,552	1.22
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	3.35
				<i>Gymnodinium</i> sp.	200	3.12
				<i>Peridinium willei</i> Huitfeldt-Kaas	400	13.40
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	6.07
			Chlorophyceae	<i>Chlamydomonas</i> spp.	21,552	0.30
				<i>Pediastrum duplex</i> Meyen	4,800	0.40
				<i>Oocystis lacustris</i> Chodat	14,368	0.72
				<i>Elakatothrix gelatinosa</i> Willen	93,392	1.47
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Cosmarium</i> sp.	400	1.88
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.11
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
			Chrysophyceae	Small chrysophyceae	431,040	5.52
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	301,728	22.21
				<i>Chrysococcus</i> sp.	301,728	19.73
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	7.52
				<i>Kephyrion</i> sp.	71,840	1.01
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Mallomonas akrokomos</i> Asmund and Kristiansen	7,184	1.90
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.17
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	400	2.03
				<i>Dinobryon sociale</i> Ehrenberg	143,680	32.50
				<i>Dinobryon sociale</i> Ehrenberg	200	0.20
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.74
				<i>Uroglena volvox</i> Ehrenberg	79,024	8.94
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	114,944	53.24
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Pteridomonas</i> sp.	28,736	5.74
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	800	1.18
				<i>Cyclotella ocellata</i> Pant.	7,184	1.03
				<i>Rhizosolenia erienne</i> H.L. Smith	14,368	1.12
				<i>Synedra acus</i> Kutzing	2,800	0.34
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.51
				<i>Cyclotella bodanica</i> Eulenst.	600	3.51
				<i>Diatoma elongatum</i> Agardh	400	0.08
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	294,544	37.02
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.39
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.41
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.39
			Dinophyceae	<i>Gymnodinium</i> sp.	1,200	9.02
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	3.48
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.84
				<i>Sphaerocystis schroeteri</i> Chodat	35,920	0.74
				<i>Oocystis lacustris</i> Chodat	35,920	1.02
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.50
				<i>Planctonema lauterbornii</i> Schmidle	7,184	0.90
				<i>Cosmarium</i> sp.	600	0.84
				<i>Cosmarium</i> sp.	200	0.32
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				Small chrysophyceae	395,120	5.57
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	359,200	23.49
				<i>Chrysococcus</i> sp.	308,912	20.20
				<i>Chrysostephanospaera globulifera</i> Scherffel	28,736	14.60

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	1	September	Chrysophyceae	<i>Kephyrion</i> sp.	64,656	0.91
				<i>Spiniferomonas sirrata</i> *****	14,368	1.54
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.79
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.94
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	1,600	8.14
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	28,736	3.25
				<i>Chrysochromulina laurentiana</i> Kling	57,472	30.09
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.58
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,000	7.27
				<i>Cyclotella ocellata</i> Pant.	21,552	2.17
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.34
				<i>Synedra acus</i> Kutzing	1,200	0.12
				<i>Asterionella formosa</i> Hassall	5,200	0.54
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
				<i>Cyclotella bodanica</i> Eulenz.	400	3.66
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	13.55
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.31
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	200	1.50
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.14
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Sphaerocystis Schroeteri</i> Chodat	43,104	1.56
				<i>Oocystis lacustris</i> Chodat	7,184	0.36
				<i>Elakatothrix gelatinosa</i> Willen	71,840	1.48
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	200	0.10
			Chrysophyceae	Small chrysophyceae	201,152	2.84
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	395,120	25.84
				<i>Chrysococcus</i> sp.	373,568	24.43
				<i>Kephyrion</i> sp.	129,312	1.66
				<i>Spiniferomonas sirrata</i> *****	7,184	1.08
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.57
				<i>Dinobryon bavaricum</i> Imhof	330,464	74.75
				<i>Dinobryon bavaricum</i> Imhof	4,800	5.88
				<i>Dinobryon sertularia</i> Ehrenberg	64,656	14.63
				<i>Dinobryon sertularia</i> Ehrenberg	2,600	5.18
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	57,472	1.85
				<i>Uroglena volvox</i> Ehrenberg	459,776	52.00
				<i>Chrysosphaerella longispina</i> Lauterborn	200	3.62
				<i>Chrysochromulina laurentiana</i> Kling	122,128	56.57
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Bicoeca lacustris</i> Clark	7,184	0.63
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.48
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	2.18
				<i>Rhizosolenia erianse</i> H.L. Smith	57,472	4.47
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,200	2.74
				<i>Synedra acus</i> Kutzing	1,800	0.21
				<i>Asterionella formosa</i> Hassall	400	0.04
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	9.93
				<i>Cryptomonas erosa</i> Ehrenberg	3,200	5.25
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.14
				<i>Katablepharis ovalis</i> Skuja	14,368	0.84
			Dinophyceae	<i>Gymnodinium</i> sp.	800	7.36
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	7.22
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,600	6.23
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
			Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.28
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.18
				<i>Sphaerocystis Schroeteri</i> Chodat	57,472	0.66
				<i>Oocystis lacustris</i> Chodat	7,184	0.36
				<i>Oocystis lacustris</i> Chodat	7,184	0.42
				<i>Elakatothrix gelatinosa</i> Willen	86,208	1.23
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Cosmarium</i> sp.	200	0.28

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0304	1	August		<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.28
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	64,656	2.44
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				<i>Oocystis gigas</i> Archer	400	0.93
			Chrysophyceae	Small chrysophyceae	459,776	5.89
				Large chrysophyceae	14,368	1.88
				<i>Chrysochromulina parva</i> Lackey	179,600	11.75
				<i>Chrysococcus</i> sp.	344,832	21.24
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.33
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	57,472	0.53
				<i>Spiniferomonas sirrata</i> *****	28,736	3.25
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.40
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.32
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	400	0.39
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	800	1.59
				<i>Dinobryon sociale</i> Ehrenberg	150,864	34.13
				<i>Uroglena volvox</i> Ehrenberg	28,736	3.25
				<i>Uroglena volvox</i> Ehrenberg	200	11.26
				<i>Chrysochromulina laurentiana</i> Kling	86,208	37.49
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.65
				<i>Pteridomonas</i> sp.	50,288	10.04
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	3.01
				<i>Rhizosolenia erienne</i> H.L. Smith	7,184	0.56
				<i>Synedra acus</i> Kutzing	1,200	0.14
				<i>Asterionella formosa</i> Hassall	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.00
			Cryptophyceae	<i>Cyclotella bodanica</i> Eulenst.	200	1.17
				<i>Rhodomonas minuta</i> Skuja	186,784	19.22
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	4.34
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
			Dinophyceae	<i>Gymnodinium</i> sp.	1,400	15.41
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.89
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,000	7.45
	1	September	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.42
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.18
				<i>Cosmarium</i> sp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.17
				<i>Staurodesmus paradoxum</i> Meyen	200	0.82
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.54
			Chrysophyceae	Small chrysophyceae	574,720	8.10
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	366,384	23.96
				<i>Chrysococcus</i> sp.	545,984	35.71
				<i>Chrysostephanospaera globulifera</i> Scherfffel	21,552	10.95
				<i>Kephyrion</i> sp.	150,864	2.84
				<i>Spiniferomonas sirrata</i> *****	7,184	0.81
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.22
				<i>Dinobryon borgei</i> Lemmermann	57,472	2.78
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,800	9.15
				<i>Dinobryon sociale</i> Ehrenberg	237,072	53.63
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Uroglena volvox</i> Ehrenberg	193,968	21.94
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	21,552	1.50
				<i>Chrysochromulina laurentiana</i> Kling	122,128	63.95
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	71,840	1.86
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,400	9.20
				<i>Cyclotella ocellata</i> Pant.	35,920	3.61
				<i>Rhizosolenia erienne</i> H.L. Smith	7,184	0.46
				<i>Fragilaria crotonensis</i> Kitton	2,000	0.63
				<i>Synedra acus</i> Kutzing	4,400	0.44
				<i>Asterionella formosa</i> Hassall	13,600	1.41
				<i>Cyclotella michiganiana</i> Skvortzow	122,128	2.65
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	9.93
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.59
				<i>Katablepharis ovalis</i> Skuja	7,184	0.29
				<i>Gymnodinium</i> sp.	200	1.86

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Dinophyceae	<i>Peridinium willei</i> Huitfeldt-Kaas	400	9.37
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.39
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
			Cyanobacteria	<i>Aphanothece</i> sp.	35,920	2.12
	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.15
				<i>Sphaerocystis schroeteri</i> Chodat	64,656	2.17
				<i>Pediastrum duplex</i> Meyen	3,200	0.37
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.73
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.32
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.15
				<i>Staurodesmus bullardii</i> G.M. Smith	200	0.44
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	400	1.92
			Chrysophyceae	Small chrysophyceae	294,544	3.77
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	294,544	19.26
				<i>Chrysococcus</i> sp.	265,808	17.38
				<i>Kephyrion</i> sp.	100,576	1.04
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.81
				<i>Synura sphagnicola</i> Korschikow	7,184	2.41
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.62
				<i>Dinobryon bavaricum</i> Imhof	258,624	58.50
				<i>Dinobryon bavaricum</i> Imhof	4,800	5.88
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	2,800	9.49
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	366,384	41.44
				<i>Chrysochromulina laurentiana</i> Kling	71,840	33.28
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.46
				<i>Dinobryon attenatum</i> Hill	14,368	1.50
				<i>Pteridomonas</i> sp.	35,920	6.91
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.82
				<i>Cyclotella pseudostelligera</i>	28,736	15.48
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.56
				<i>Synedra acus</i> Kutzing	4,600	0.57
				<i>Asterionella formosa</i> Hassall	3,600	0.38
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
				<i>Cyclotella bodanica</i> Eulenst.	400	3.66
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	129,312	14.63
				<i>Cryptomonas erosa</i> Ehrenberg	3,600	5.71
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.70
				<i>Katablepharis ovalis</i> Skuja	28,736	1.62
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.61
				<i>Gymnodinium</i> sp.	800	6.54
				<i>Peridinium willei</i> Huitfeldt-Kaas	600	21.65
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	8.69
MEL - 0305	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	35,920	0.46
				<i>Oocystis lacustris</i> Chodat	7,184	0.36
				<i>Chodatella</i> sp.	7,184	0.36
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.81
				<i>Planctonema lauterbornii</i> Schmidle	64,656	8.13
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	800	1.15
				<i>Oocystis gigas</i> Archer	200	0.51
			Chrysophyceae	Small chrysophyceae	531,616	3.40
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	193,968	12.69
				<i>Chrysococcus</i> sp.	395,120	20.15
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	3.76
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	143,680	2.24
				<i>Spiniferomonas sirrata</i> *****	28,736	2.00
				<i>Mallomonas caudata</i> Ivanov	200	1.02
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.46
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	1.25
				<i>Dinobryon sertularia</i> Ehrenberg	800	1.59
				<i>Dinobryon sociale</i> Ehrenberg	222,704	50.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.25

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Uroglena volvox Ehrenberg</i>	35,920	4.06
				<i>Bitrichia chodatii (Reverdin) Chodat</i>	7,184	0.36
				<i>Chrysochromulina laurentiana Kling</i>	64,656	28.12
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.18
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	2,200	4.35
				<i>Rhizosolenia erienze H.L. Smith</i>	14,368	1.22
				<i>Synedra acus Kutzing</i>	1,000	0.11
				<i>Cyclotella michiganiana Skvortzow</i>	79,024	1.94
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	179,600	22.58
				<i>Cryptomonas erosa Ehrenberg</i>	6,800	8.20
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	800	0.51
				<i>Cryptomonas rostratiformis Skuja</i>	400	0.77
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	4.77
				<i>Gymnodinium</i> sp.	1,200	9.02
				<i>Peridinium willei Huitfeldt-Kaas</i>	200	4.89
				<i>Peridinium pusillum (Penard) Lemmermann</i>	5,200	12.91
			Chlorophyceae	<i>Sphaerocystis schroeteri Chodat</i>	7,184	0.10
				<i>Elakatothrix gelatinosa Willen</i>	7,184	0.14
				<i>Cosmarium</i> sp.	200	0.28
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
				<i>Mougeotia</i> sp.	600	1.03
			Chrysophyceae	Small chrysophyceae	337,648	3.48
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva Lackey</i>	387,936	25.37
				<i>Chrysococcus</i> sp.	265,808	17.38
				<i>Chrysostephanospaera globulifera Scherfffel</i>	7,184	3.33
				<i>Kephyrion</i> sp.	129,312	2.22
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Dinobryon borgei Lemmermann</i>	35,920	1.61
				<i>Dinobryon bavaricum Imhof</i>	7,184	1.63
				<i>Dinobryon bavaricum Imhof</i>	800	1.59
				<i>Dinobryon sertularia Ehrenberg</i>	14,368	3.25
				<i>Dinobryon sertularia Ehrenberg</i>	200	0.25
				<i>Dinobryon sertularia Ehrenberg</i>	1,000	5.09
				<i>Dinobryon sociale Ehrenberg</i>	150,864	34.13
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	7,184	0.17
				<i>Uroglena volvox Ehrenberg</i>	71,840	8.13
				<i>Bitrichia chodatii (Reverdin) Chodat</i>	14,368	0.72
				<i>Chrysochromulina laurentiana Kling</i>	71,840	37.62
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Bicoeca lacustris Clark</i>	7,184	0.50
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	57,472	1.49
				<i>Dinobryon attenatum Hill</i>	7,184	0.66
				<i>Pteridomonas</i> sp.	7,184	1.77
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	4,200	8.31
				<i>Cyclotella ocellata Pant.</i>	21,552	2.69
				<i>Rhizosolenia erienze H.L. Smith</i>	7,184	0.61
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	200	0.17
				<i>Synedra acus Kutzing</i>	4,000	0.42
				<i>Asterionella formosa Hassall</i>	13,600	1.42
				<i>Cyclotella michiganiana Skvortzow</i>	93,392	2.29
				<i>Cyclotella bodanica Eulenst.</i>	800	5.64
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	136,496	17.16
				<i>Cryptomonas erosa Ehrenberg</i>	2,800	4.60
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	8.68
				<i>Peridinium pusillum (Penard) Lemmermann</i>	1,600	3.50
				<i>Peridinium aciculiferum Lemmermann</i>	600	5.43
			Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.73
				<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Sphaerocystis schroeteri Chodat</i>	57,472	1.93
				<i>Oocystis lacustris Chodat</i>	35,920	0.41
				<i>Dictyosphaerium simplex Sukja</i>	50,288	0.24
				<i>Elakatothrix gelatinosa Willen</i>	35,920	0.68
				<i>Planctonema lauterbornii Schmidle</i>	21,552	2.71
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus bullardii G.M. Smith</i>	200	0.64
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	14,368	0.54
				<i>Botryococcus braunii Kutzing</i>	600	0.54
				<i>Oocystis gigas Archer</i>	200	0.49
				Small chrysophyceae	294,544	2.71
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva Lackey</i>	50,288	3.29
				<i>Chrysococcus</i> sp.	208,336	13.63
				<i>Kephyrion boreale Skuja</i>	7,184	0.77
				<i>Kephyrion</i> sp.	64,656	0.59
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0401	1	August	Chrysophyceae	<i>Mallomonas crassisquama (Asmund) Fott</i>	400	0.42
				<i>Dinobryon borgei Lemmermann</i>	7,184	0.31
				<i>Dinobryon bavaricum Imhof</i>	14,368	3.25
				<i>Dinobryon bavaricum Imhof</i>	200	0.68
				<i>Dinobryon sertularia Ehrenberg</i>	14,368	3.25
				<i>Dinobryon sertularia Ehrenberg</i>	600	2.03
				<i>Dinobryon sociale Ehrenberg</i>	71,840	16.25
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	7,184	0.13
				<i>Uroglena volvox Ehrenberg</i>	35,920	4.06
				<i>Chrysochromulina laurentiana Kling</i>	100,576	43.74
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	14,368	0.38
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	3,200	4.73
				<i>Cyclotella ocellata Pant.</i>	14,368	1.44
				<i>Synedra acus Kutzing</i>	400	0.04
				<i>Cyclotella michiganiana Skvortzow</i>	14,368	0.24
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	179,600	27.08
				<i>Cryptomonas erosa Ehrenberg</i>	600	0.70
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	1,000	0.66
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	8.78
				<i>Peridinium pusillum (Penard) Lemmermann</i>	1,200	2.98
				<i>Peridinium aciculiferum Lemmermann</i>	200	1.81
MEL - 0402	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.25
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.07
				<i>Sphaerocystis schroeteri Chodat</i>	7,184	0.18
				<i>Oocystis lacustris Chodat</i>	21,552	0.58
				<i>Dictyosphaerium simplex Sukja</i>	50,288	0.24
				<i>Elakatothrix gelatinosa Willen</i>	86,208	1.22
				<i>Planctonema lauterbornii Schmidle</i>	64,656	8.13
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus (Andersson) Teiling</i>	800	0.38
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	35,920	1.35
				<i>Botryococcus braunii Kutzing</i>	200	0.18
				<i>Ankistrodesmus spiralis Lemmermann</i>	7,184	0.45
				<i>Oocystis gigas Archer</i>	200	0.42
				<i>Monomastix minuta Skuja</i>	7,184	0.20
			Chrysophyceae	Small chrysophyceae	517,248	4.76
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva Lackey</i>	229,888	15.03
				<i>Chrysococcus</i> sp.	193,968	12.69
				<i>Chrysostephanospaera globulifera Scherffell</i>	7,184	3.33
				<i>Kephyrion</i> sp.	122,128	1.72
				<i>Spiniferomonas sirrata</i> *****	7,184	0.73
				<i>Mallomonas caudata Ivanov</i>	200	1.07
				<i>Mallomonas crassisquama (Asmund) Fott</i>	200	0.21
				<i>Dinobryon borgei Lemmermann</i>	14,368	0.70
				<i>Dinobryon bavaricum Imhof</i>	14,368	3.25
				<i>Dinobryon bavaricum Imhof</i>	600	2.03
				<i>Dinobryon sertularia Ehrenberg</i>	14,368	3.25
				<i>Dinobryon sertularia Ehrenberg</i>	200	0.40
				<i>Dinobryon sertularia Ehrenberg</i>	800	2.71
				<i>Dinobryon sociale Ehrenberg</i>	107,760	24.38
				<i>Uroglena volvox Ehrenberg</i>	79,024	8.94
				<i>Chrysochromulina laurentiana Kling</i>	71,840	30.26
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	2,400	3.39
				<i>Cyclotella ocellata Pant.</i>	28,736	2.89
				<i>Synedra acus Kutzing</i>	2,400	0.25
				<i>Cyclotella michiganiana Skvortzow</i>	57,472	1.10
				<i>Cyclotella bodanica Eulenst.</i>	600	4.23
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	208,336	26.19
				<i>Cryptomonas erosa Ehrenberg</i>	3,400	3.93
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	1,600	1.06
				<i>Cryptomonas rostratiformis Skuja</i>	400	0.81
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	3.35
				<i>Gymnodinium</i> sp.	400	5.65
				<i>Peridinium pusillum (Penard) Lemmermann</i>	600	1.31
			Cyanobacteria	<i>Aphanothece</i> sp.	14,368	0.50
				<i>Planktolyngbya limnetica</i>	200	0.04
				<i>Snowella</i> sp	400	0.30
			Chlorophyceae	<i>Sphaerocystis schroeteri Chodat</i>	21,552	0.53
				<i>Oocystis lacustris Chodat</i>	21,552	0.38
				<i>Dictyosphaerium simplex Sukja</i>	71,840	0.34
				<i>Elakatothrix gelatinosa Willen</i>	107,760	1.52
				<i>Staurodesmus extensus (Andersson) Teiling</i>	200	0.10
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	21,552	0.81

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	2	August		<i>Mougeotia</i> sp.	200	0.83
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Oocystis gigas</i> Archer	200	0.42
				<i>Monomastix minuta</i> Skuja	21,552	0.61
			Chrysophyceae	Small chrysophyceae	531,616	4.89
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	272,992	17.85
				<i>Chrysococcus</i> sp.	445,408	29.13
				<i>Kephyrion</i> sp.	193,968	2.73
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon bavaricum</i> Imhof	400	1.36
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	800	2.71
				<i>Dinobryon sociale</i> Ehrenberg	186,784	42.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.89
				<i>Uroglena volvox</i> Ehrenberg	57,472	6.50
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.33
				<i>Chrysochromulina laurentiana</i> Kling	79,024	33.28
				<i>Stichogloea</i> spp.	57,472	2.89
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.33
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	1.98
				<i>Cyclotella ocellata</i> Pant.	7,184	0.72
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.46
				<i>Synedra acus</i> Kutzing	2,800	0.29
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.27
				<i>Cyclotella bodanica</i> Eulenz.	400	2.82
				<i>Diatoma elongatum</i> Agardh	400	0.02
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	215,520	27.09
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.39
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	3.81
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.19
MEL - 0403	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	3,546	0.08
				<i>Oocystis lacustris</i> Chodat	60,284	1.07
				<i>Dictyosphaerium simplex</i> Sukja	113,475	0.48
				<i>Elakatothrix gelatinosa</i> Willen	3,546	0.06
				<i>Cosmarium</i> sp.	200	0.32
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	3,546	0.13
				<i>Collodictyon</i> sp	3,546	2.47
			Chrysophyceae	Small chrysophyceae	170,213	1.40
				Large chrysophyceae	10,638	1.91
				<i>Chrysochromulina parva</i> Lackey	92,199	6.03
				<i>Chrysococcus</i> sp.	187,943	9.59
				<i>Kephyrion</i> sp.	39,007	0.36
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.40
				<i>Dinobryon sociale</i> Ehrenberg	14,184	3.21
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	3,546	0.09
				<i>Uroglena volvox</i> Ehrenberg	3,546	0.40
				<i>Stichogloea</i> spp.	28,369	1.43
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	85,106	2.40
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,100	3.30
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,800	4.12
				<i>Synedra acus</i> Kutzing	400	0.04
				<i>Cyclotella michiganiana</i> Skvortzow	88,653	1.92
				<i>Diatoma elongatum</i> Agardh	100	0.02
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	100	0.12
				<i>Katablepharis ovalis</i> Skuja	24,823	1.14
			Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.25
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.16
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	1.28
				<i>Dictyosphaerium simplex</i> Sukja	50,288	0.21
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.41
				<i>Planctonema lauterbornii</i> Schmidle	64,656	8.13
				<i>Cosmarium</i> sp.	200	0.48
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.09
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				Small chrysophyceae	272,992	2.81
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	193,968	12.69
				<i>Chrysococcus</i> sp.	344,832	22.55
				<i>Kephyrion boreale</i> Skuja	21,552	2.20
				<i>Kephyrion</i> sp.	64,656	0.59
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Mallomonas caudata</i> Ivanov	200	1.07

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0404	1	August	Chrysophyceae	<i>Mallomonas crassisquama (Asmund) Fott</i>	800	0.84
				<i>Dinobryon borgei Lemmermann</i>	7,184	0.39
				<i>Dinobryon bavaricum Imhof</i>	7,184	1.63
				<i>Dinobryon bavaricum Imhof</i>	400	1.36
				<i>Dinobryon sertularia Ehrenberg</i>	35,920	8.13
				<i>Dinobryon sertularia Ehrenberg</i>	1,400	7.12
				<i>Dinobryon sociale Ehrenberg</i>	158,048	35.75
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	7,184	0.18
				<i>Uroglena volvox Ehrenberg</i>	50,288	5.69
				<i>Chrysochromulina laurentiana Kling</i>	79,024	32.22
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.13
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	3,200	5.03
				<i>Rhizosolenia erienne H.L. Smith</i>	14,368	0.91
				<i>Synedra acus Kutzing</i>	3,200	0.35
				<i>Synedra ulna (Nitzsch) Ehrenberg</i>	200	0.48
				<i>Cyclotella michiganiana Skvortzow</i>	50,288	1.23
				<i>Cyclotella bodanica Eulenst.</i>	600	3.72
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	208,336	26.19
				<i>Cryptomonas erosa Ehrenberg</i>	3,600	4.22
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	800	0.55
			Dinophyceae	<i>Gymnodinium</i> sp.	200	3.12
				<i>Peridinium pusillum (Penard) Lemmermann</i>	200	0.48
MEL - 0405	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	21,552	0.75
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.16
				<i>Sphaerocystis Schroeteri Chodat</i>	79,024	1.23
				<i>Dictyosphaerium simplex Sukja</i>	28,736	0.12
				<i>Elakatothrix gelatinosa Willen</i>	79,024	1.24
				<i>Elakatothrix gelatinosa Willen</i>	21,552	0.34
				<i>Cosmarium</i> sp.	600	1.12
				<i>Staurodesmus extensus (Andersson) Teiling</i>	400	0.19
				<i>Staurodesmus bullardii G.M. Smith</i>	400	1.12
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	28,736	1.08
				<i>Botryococcus braunii Kutzing</i>	800	0.72
				<i>Ankistrodesmus spiralis Lemmermann</i>	7,184	0.40
			Chrysophyceae	Small chrysophyceae	402,304	5.15
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva Lackey</i>	150,864	9.87
				<i>Chrysococcus</i> sp.	265,808	17.38
				<i>Kephyrion</i> sp.	86,208	0.79
				<i>Spiniferomonas sirrata</i> *****	21,552	1.88
				<i>Mallomonas crassisquama (Asmund) Fott</i>	200	0.20
				<i>Dinobryon borgei Lemmermann</i>	28,736	1.43
				<i>Dinobryon bavaricum Imhof</i>	50,288	11.38
				<i>Dinobryon bavaricum Imhof</i>	200	0.40
				<i>Dinobryon sertularia Ehrenberg</i>	7,184	1.63
				<i>Dinobryon sertularia Ehrenberg</i>	800	2.71
				<i>Dinobryon sociale Ehrenberg</i>	150,864	34.13
				<i>Dinobryon sociale Ehrenberg</i>	200	0.25
				<i>Epiphyxis</i> sp.	7,184	0.48
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	14,368	0.35
				<i>Uroglena volvox Ehrenberg</i>	93,392	10.56
				<i>Chrysochromulina laurentiana Kling</i>	28,736	12.10
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.22
				<i>Pteridomonas</i> sp.	7,184	1.28
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	3,400	6.18
				<i>Cyclotella ocellata Pant.</i>	7,184	0.55
				<i>Synedra acus Kutzing</i>	200	0.02
				<i>Cyclotella michiganiana Skvortzow</i>	50,288	1.09
				<i>Cyclotella bodanica Eulenst.</i>	800	4.33
				<i>Rhopalodia gibba (Ehrenberg) O. Muller</i>	200	6.94
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	201,152	25.28
				<i>Cryptomonas erosa Ehrenberg</i>	2,000	2.27
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	200	0.13
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.50
				<i>Gymnodinium</i> sp.	200	4.49
				<i>Peridinium pusillum (Penard) Lemmermann</i>	600	1.31
			Chlorophyceae	<i>Chlamydomonas</i> spp.	21,552	0.27
				<i>Sphaerocystis Schroeteri Chodat</i>	50,288	0.95
				<i>Oocystis lacustris Chodat</i>	21,552	0.51
				<i>Elakatothrix gelatinosa Willen</i>	14,368	0.25
				<i>Planctonema lauterbornii Schmidle</i>	28,736	3.61
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus (Andersson) Teiling</i>	800	0.38
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	14,368	0.54

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0501	1	August		<i>Mougeotia</i> sp.	600	2.64
				<i>Botryococcus braunii</i> Kutzing	1,200	1.72
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	581,904	7.45
				Large chrysophyceae	35,920	13.71
				<i>Chrysochromulina parva</i> Lackey	344,832	22.55
				<i>Chrysococcus</i> sp.	474,144	31.01
				<i>Kephyrion</i> sp.	143,680	1.32
				<i>Spiniferomonas sirrata</i> *****	21,552	2.44
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	1,000	0.99
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.06
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	1.99
				<i>Dinobryon sociale</i> Ehrenberg	172,416	39.00
				<i>Epiphyxis</i> sp.	7,184	0.54
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	1.12
				<i>Uroglena volvox</i> Ehrenberg	122,128	13.81
				<i>Chrysochromulina laurentiana</i> Kling	79,024	34.37
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,000	7.92
				<i>Cyclotella ocellata</i> Pant.	21,552	1.45
				<i>Synedra acus</i> Kutzing	1,800	0.19
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.56
				<i>Cyclotella bodanica</i> Eulenst.	1,800	13.89
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	481,328	60.50
				<i>Cryptomonas erosa</i> Ehrenberg	12,200	14.23
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,800	1.92
				<i>Cryptomonas rostratiformis</i> Skuja	2,600	5.51
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	2,200	22.67
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	8.68
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL - 0502	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	7,184	0.25
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.27
				<i>Dictyosphaerium simplex</i> Sukja	35,920	0.15
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.51
				<i>Planctonema lauterbornii</i> Schmidle	35,920	4.52
				<i>Cosmarium</i> sp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.18
			Chrysophyceae	Small chrysophyceae	488,512	6.89
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	107,760	7.05
				<i>Chrysococcus</i> sp.	380,752	22.05
				<i>Kephyrion</i> sp.	64,656	0.67
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.65
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Uroglena volvox</i> Ehrenberg	14,368	1.63
				<i>Chrysochromulina laurentiana</i> Kling	57,472	24.99
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.53
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,000	3.50
				<i>Fragilaria crotonensis</i> Kitton	1,200	0.38
				<i>Synedra acus</i> Kutzing	1,800	0.19
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.23
				<i>Cyclotella bodanica</i> Eulenst.	800	4.24
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	251,440	31.61
				<i>Cryptomonas erosa</i> Ehrenberg	7,600	8.75
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,400	0.93
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.61
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	1,400	13.18
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	4.04
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.14
				<i>Oocystis lacustris</i> Chodat	43,104	1.06
				<i>Elakatothrix gelatinosa</i> Willen	114,944	1.62
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
	2	August		<i>Staurodesmus</i> sp.	200	2.54
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.18
			Chrysophyceae	Small chrysophyceae	344,832	4.86
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	179,600	11.75
				<i>Chrysococcus</i> sp.	229,888	13.31
				<i>Kephyrion</i> sp.	43,104	0.40
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.06
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	237,072	53.63
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	79,024	34.37
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.60
				<i>Pteridomonas</i> sp.	21,552	5.30
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,400	6.27
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	0.81
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
				<i>Cyclotella bodanica</i> Eulenst.	800	4.24
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	222,704	27.99
				<i>Cryptomonas erosa</i> Ehrenberg	5,200	5.99
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,400	0.93
				<i>Katablepharis ovalis</i> Skuja	7,184	0.51
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	600	5.72
				<i>Peridinium pusillum</i> (Penard) Lemmermann	400	1.01
MEL - 0503	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	35,920	1.83
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.15
				<i>Sphaerocystis schroeteri</i> Chodat	71,840	1.01
				<i>Elakatothrix gelatinosa</i> Willen	21,552	0.37
				<i>Elakatothrix gelatinosa</i> Willen	50,288	3.16
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Staurodesmus paradoxum</i> Meyen	500	2.04
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
			Chrysophyceae	Small chrysophyceae	517,248	4.24
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	143,680	9.40
				<i>Chrysococcus</i> sp.	208,336	9.29
				<i>Kephyrion</i> sp.	79,024	0.81
				<i>Spiniferomonas sirrata</i> *****	28,736	3.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.84
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.32
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.81
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Dinobryon sociale</i> Ehrenberg	208,336	47.13
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.23
				<i>Uroglena volvox</i> Ehrenberg	71,840	8.13
				<i>Chrysochromulina laurentiana</i> Kling	57,472	24.99
				<i>Bicoeca lacustris</i> Clark	7,184	0.56
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.43
				<i>Pteridomonas</i> sp.	50,288	12.38
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	2.55
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	600	0.50
				<i>Synedra acus</i> Kutzing	1,400	0.16
				<i>Asterionella formosa</i> Hassall	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.12
				<i>Cyclotella bodanica</i> Eulenst.	400	2.34
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	229,888	30.05
				<i>Cryptomonas erosa</i> Ehrenberg	4,000	4.46
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
				<i>Katablepharis ovalis</i> Skuja	14,368	0.93
			Dinophyceae	<i>Gymnodinium</i> sp.	800	0.82
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.53
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.20
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.45
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.22
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.30
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Scourfieldia cordiformis</i> Takeda	7,184	0.17
				<i>Botryococcus braunii</i> Kutzing	600	0.42

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0504	1	August	Chrysophyceae	Small chrysophyceae	330,464	6.81
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	172,416	12.69
				<i>Chrysococcus</i> sp.	244,256	17.98
				<i>Kephyrion</i> sp.	57,472	0.90
				<i>Spiniferomonas sirrata</i> *****	7,184	1.08
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.78
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.77
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	200	0.68
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.23
				<i>Uroglena volvox</i> Ehrenberg	107,760	12.19
				<i>Chrysochromulina laurentiana</i> Kling	28,736	11.72
				<i>Stichogloea</i> spp.	57,472	2.89
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.17
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,600	6.55
				<i>Cyclotella ocellata</i> Pant.	35,920	5.14
				<i>Synedra acus</i> Kutzing	1,000	0.08
				<i>Asterionella formosa</i> Hassall	400	0.03
				<i>Cyclotella bodanica</i> Eulenst.	800	5.85
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	179,600	25.50
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	4.32
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,200	3.02
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.19
				<i>Katablepharis ovalis</i> Skuja	7,184	0.51
			Dinophyceae	<i>Gymnodinium</i> sp.	400	4.12
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,600	4.99
	2	August	Cyanobacteria	<i>Aphanocapsa</i> sp.	200	0.30
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	43,104	1.22
				<i>Dictyosphaerium simplex</i> Sukja	86,208	0.36
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.11
				<i>Planctonema lauterbornii</i> Schmidle	43,104	5.42
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
			Chrysophyceae	Small chrysophyceae	466,960	9.62
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	57,472	4.23
				<i>Chrysococcus</i> sp.	316,096	23.26
				<i>Kephyrion boreale</i> Skuja	7,184	0.66
				<i>Kephyrion</i> sp.	64,656	0.91
				<i>Spiniferomonas sirrata</i> *****	28,736	4.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.62
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.78
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.65
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	200	0.68
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	800	4.07
				<i>Dinobryon sociale</i> Ehrenberg	122,128	27.63
				<i>Epiphyxis</i> sp.	7,184	0.56
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	193,968	21.94
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	57,472	23.43
				<i>Stichogloea</i> spp.	114,944	5.78
				<i>Bicoeca lacustris</i> Clark	7,184	0.56
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.17
				<i>Pteridomonas</i> sp.	14,368	3.42
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	5,000	9.09
				<i>Cyclotella ocellata</i> Pant.	64,656	9.25
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	800	0.62
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Asterionella formosa</i> Hassall	800	0.09
				<i>Cyclotella bodanica</i> Eulenst.	1,200	8.78
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	165,232	23.46
				<i>Cryptomonas erosa</i> Ehrenberg	6,200	7.04
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,200	1.46
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	1.98
				<i>Katablepharis ovalis</i> Skuja	7,184	0.51
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	800	8.24

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	1.92
MEL - 0505	1	August	Cyanobacteria	<i>Aphanothece</i> sp.	21,552	1.08
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.18
				<i>Sphaerocystis schroeteri</i> Chodat	57,472	1.08
				<i>Oocystis lacustris</i> Chodat	43,104	1.03
				<i>Planctonema lauterbornii</i> Schmidle	64,656	8.13
				<i>Planctonema lauterbornii</i> Schmidle	57,472	7.94
				<i>Cosmarium</i> sp.	200	0.07
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.37
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	200	0.29
				<i>Monomastix minuta</i> Skuja	7,184	0.23
			Chrysophyceae	Small chrysophyceae	373,568	5.27
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	79,024	5.17
				<i>Chrysococcus</i> sp.	158,048	10.34
				<i>Kephyrion</i> sp.	57,472	0.53
				<i>Spiniferomonas sirrata</i> *****	7,184	0.81
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.78
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.66
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.86
				<i>Dinobryon bavaricum</i> Imhof	143,680	32.50
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon sertularia</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Uroglena volvox</i> Ehrenberg	129,312	14.63
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	35,920	15.62
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.18
				<i>Pteridomonas</i> sp.	21,552	5.30
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	7.55
				<i>Cyclotella ocellata</i> Pant.	21,552	1.45
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.15
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.69
				<i>Cyclotella bodanica</i> Eulens.	600	4.63
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	272,992	34.32
				<i>Cryptomonas erosa</i> Ehrenberg	5,400	6.05
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	2,400	1.59
				<i>Cryptomonas rostratiformis</i> Skuja	1,200	2.46
			Dinophyceae	<i>Gymnodinium</i> sp.	1,400	10.78
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	4.55

Notes: cells/L=cells per litre; mg/m³=milligrams per cubic metre

Table 7D-5: Raw Phytoplankton Data, 2017

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0101	1	July	Cyanobacteria	<i>Chroococcus limneticus</i> Lemmermann	28,736	0.70
				<i>Snowella</i> sp.	200	0.10
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus</i> Schmarda	200	0.15
				<i>Chlamydomonas</i> spp.	7,184	0.12
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.48
				<i>Monoraphidium komarkovae</i> (Nyg.) Komarkova-Legnerova	7,184	0.50
				<i>Planctonema lauterbornii</i> Schmidle	35,920	9.03
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.72
				<i>Staurodesmus paradoxum</i> Meyen	200	0.37
				<i>Botryococcus braunii</i> Kutzing	200	0.10
			Chrysophyceae	Small chrysophyceae	517,248	6.62
				Large chrysophyceae	158,048	28.39
				<i>Chrysochromulina parva</i> Lackey	797,424	52.15
				<i>Chrysococcus</i> sp.	287,360	18.79
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.39
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	64,656	1.22
				<i>Spiniferomonas sirrata</i> *****	43,104	3.55
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Dinobryon borgei</i> Lemmermann	57,472	2.95
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	0.55
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	4,800	9.56
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sociale</i> Ehrenberg	200	0.25
				<i>Epiphyxis</i> sp.	57,472	4.48
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	1,796,000	203.13
				<i>Chrysochromulina laurentiana</i> Kling	93,392	36.85
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.19
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.82
				<i>Rhizosolenia erienze</i> H.L. Smith	193,968	15.09
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	7,200	5.97
				<i>Synedra acus</i> Kutzing	9,000	1.04
				<i>Asterionella formosa</i> Hassall	8,000	0.80
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	122,128	11.49
				<i>Cryptomonas erosa</i> Ehrenberg	6,200	7.48
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.44
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.81
				<i>Katablepharis ovalis</i> Skuja	35,920	2.03
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	28,736	10.59
				<i>Gymnodinium</i> sp.	5,200	44.09
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,600	9.87
				<i>Peridinium aciculiferum</i> Lemmermann	24,000	16.69
				<i>Peridinium aciculiferum</i> Lemmermann	1,000	9.05
MEL - 0102	1	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.11
				<i>Oocystis lacustris</i> Chodat	43,104	1.22
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	71,840	18.05
				<i>Staurodesmus paradoxum</i> Meyen	200	0.56
				<i>Botryococcus braunii</i> Kutzing	600	0.31
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.25
			Chrysophyceae	Small chrysophyceae	531,616	6.80
				Large chrysophyceae	71,840	12.90
				<i>Chrysochromulina parva</i> Lackey	790,240	51.68
				<i>Chrysococcus</i> sp.	452,592	29.60
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.39
				<i>Kephyrion</i> sp.	57,472	1.08
				<i>Spiniferomonas sirrata</i> *****	50,288	4.14
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.11
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.85
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	7,200	14.34
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.09
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Dinobryon sociale</i> Ehrenberg	1,400	1.75
				<i>Epiphyxis</i> sp.	21,552	1.68
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	1.15

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Uroglena volvox Ehrenberg</i>	1,084,784	122.69
				<i>Chrysochromulina laurentiana Kling</i>	21,552	8.50
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.16
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	600	1.09
				<i>Rhizosolenia eriensense H.L. Smith</i>	301,728	23.47
				<i>Fragilaria crotonensis Kitton</i>	32,000	11.13
				<i>Synedra acus Kutzing</i>	9,000	1.04
				<i>Asterionella formosa Hassall</i>	7,400	0.73
				<i>Cyclotella michiganiana Skvortzow</i>	50,288	1.23
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	129,312	12.17
				<i>Cryptomonas erosa Ehrenberg</i>	4,200	4.98
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	1,400	1.03
				<i>Cryptomonas rostratiformis Skuja</i>	200	0.45
				<i>Katablepharis ovalis Skuja</i>	71,840	4.06
			Dinophyceae	<i>Gymnodinium helveticum Penard</i>	200	4.71
				<i>Gymnodinium</i> sp.	1,800	28.08
				<i>Peridinium willei Huitfeldt-Kaas</i>	200	4.89
				<i>Peridinium pusillum (Penard) Lemmermann</i>	3,800	8.15
				<i>Peridinium aciculiferum Lemmermann</i>	1,400	12.67
MEL-0103	1	July	Chlorophyceae	<i>Oocystis lacustris Chodat</i>	21,552	1.08
				<i>Monoraphidium komarkovae (Nyg.) Komarkova-Legnerova</i>	14,368	1.07
				<i>Planctonema lauterbornii Schmidle</i>	28,736	7.22
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus (Andersson) Teiling</i>	1,200	0.49
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
				<i>Botryococcus braunii Kutzing</i>	200	0.10
				<i>Ankistrodesmus spiralis Lemmermann</i>	7,184	0.34
			Chrysophyceae	Small chrysophyceae	438,224	5.61
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva Lackey</i>	567,536	37.12
				<i>Chrysococcus</i> sp.	136,496	8.93
				<i>Kephyrion</i> sp.	150,864	2.59
				<i>Spiniferomonas sirrata</i> *****	28,736	2.37
				<i>Mallomonas crassisquama (Asmund) Fott</i>	200	0.21
				<i>Dinobryon borgei Lemmermann</i>	28,736	1.47
				<i>Dinobryon bavaricum Imhof</i>	79,024	17.88
				<i>Dinobryon bavaricum Imhof</i>	8,200	16.33
				<i>Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger</i>	35,920	14.38
				<i>Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger</i>	400	1.09
				<i>Dinobryon sertularia Ehrenberg</i>	28,736	6.50
				<i>Dinobryon sertularia Ehrenberg</i>	1,000	3.39
				<i>Dinobryon sociale Ehrenberg</i>	79,024	17.88
				<i>Dinobryon sociale Ehrenberg</i>	2,200	2.75
				<i>Epiphyxis</i> sp.	14,368	1.25
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	14,368	0.35
				<i>Ochromonas</i> sp.	7,184	0.54
				<i>Uroglena volvox Ehrenberg</i>	1,831,920	207.19
				<i>Bitrichia chodatii (Reverdin) Chodat</i>	7,184	0.36
				<i>Chrysochromulina laurentiana Kling</i>	28,736	11.34
				<i>Stichogloea</i> spp.	28,736	1.45
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	400	0.73
				<i>Rhizosolenia eriensense H.L. Smith</i>	172,416	13.41
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	8,800	7.30
				<i>Tabellaria flocculsa (Roth) Kutzing</i>	800	1.03
				<i>Fragilaria crotonensis Kitton</i>	20,200	7.02
				<i>Synedra acus Kutzing</i>	600	0.06
				<i>Synedra ulna (Nitzsch) Ehrenberg</i>	400	0.98
				<i>Asterionella formosa Hassall</i>	3,400	0.34
				<i>Cyclotella michiganiana Skvortzow</i>	86,208	1.44
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	150,864	14.80
				<i>Cryptomonas erosa Ehrenberg</i>	3,200	3.86
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	400	0.27
				<i>Cryptomonas rostratiformis Skuja</i>	1,600	0.36
				<i>Katablepharis ovalis Skuja</i>	64,656	3.65
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	4.81
				<i>Gymnodinium</i> sp.	2,800	23.74
				<i>Peridinium pusillum (Penard) Lemmermann</i>	4,800	10.29
				<i>Peridinium aciculiferum Lemmermann</i>	1,400	12.67
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus Schmarda</i>	200	0.15
				<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Monoraphidium komarkovae (Nyg.) Komarkova-Legnerova</i>	14,368	1.07
				<i>Planctonema lauterbornii Schmidle</i>	14,368	3.61
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus (Andersson) Teiling</i>	400	0.16
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
				Small chrysophyceae	625,008	8.00
				Large chrysophyceae	28,736	5.16

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0103	2	July	Chrysophyceae	<i>Chrysochromulina parva</i> Lackey	459,776	30.07
				<i>Chrysococcus</i> sp.	158,048	10.34
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	2.56
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	122,128	2.10
				<i>Spiniferomonas sirrata</i> *****	14,368	1.18
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Dinobryon borgei</i> Lemmermann	43,104	2.21
				<i>Dinobryon bavaricum</i> Imhof	100,576	22.75
				<i>Dinobryon bavaricum</i> Imhof	7,000	13.94
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	21,552	8.63
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	800	2.18
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	136,496	30.88
				<i>Dinobryon sociale</i> Ehrenberg	2,000	2.50
				<i>Epiphyxis</i> sp.	21,552	1.88
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.88
				<i>Uroglena volvox</i> Ehrenberg	1,731,344	195.82
				<i>Chrysochromulina laurentiana</i> Kling	50,288	19.84
				<i>Stichogloea</i> spp.	14,368	0.72
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	400	0.73
				<i>Cyclotella ocellata</i> Pant.	14,368	0.97
				<i>Rhizosolenia eriense</i> H.L. Smith	150,864	11.74
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,400	4.48
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	600	0.77
				<i>Fragilaria crotonensis</i> Kitton	22,200	7.72
				<i>Synedra acus</i> Kutzing	8,200	0.86
				<i>Asterionella formosa</i> Hassall	6,000	0.60
				<i>Cyclotella michiganiana</i> Skvortzow	129,312	2.16
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	10.57
				<i>Cryptomonas erosa</i> Ehrenberg	4,400	5.31
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.29
				<i>Cryptomonas rostratiformis</i> Skuja	600	1.35
				<i>Katablepharis ovalis</i> Skuja	50,288	2.84
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	2,600	22.05
				<i>Peridinium pusillum</i> (Penard) Lemmermann	6,400	13.73
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
MEL-0104	1	July	Cyanobacteria	<i>Snowella</i> sp	200	0.10
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Dictyosphaerium simplex</i> Sukja	86,208	0.41
				<i>Monoraphidium komarkovae</i> (Nyg.) Komarkova-Legnerova	7,184	0.54
				<i>Planctonema lauterbornii</i> Schmidle	79,024	19.86
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
			Chrysophyceae	Small chrysophyceae	387,936	4.97
				Large chrysophyceae	100,576	18.06
				<i>Chrysochromulina parva</i> Lackey	811,792	53.09
				<i>Chrysococcus</i> sp.	193,968	12.69
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	114,944	1.98
				<i>Spiniferomonas sirrata</i> *****	28,736	2.64
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	64,656	3.32
				<i>Dinobryon bavaricum</i> Imhof	57,472	13.00
				<i>Dinobryon bavaricum</i> Imhof	7,200	14.34
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	7,184	2.88
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	165,232	37.38
				<i>Dinobryon sociale</i> Ehrenberg	1,400	1.75
				<i>Epiphyxis</i> sp.	64,656	4.93
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	1.04
				<i>Uroglena volvox</i> Ehrenberg	1,558,928	176.31
				<i>Chrysochromulina laurentiana</i> Kling	122,128	48.19
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.91
				<i>Rhizosolenia eriense</i> H.L. Smith	215,520	16.77
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,400	4.48
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	400	0.53
				<i>Fragilaria crotonensis</i> Kitton	23,200	8.07
				<i>Synedra acus</i> Kutzing	3,600	0.38
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	0.48
				<i>Asterionella formosa</i> Hassall	8,400	0.84
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.10
				<i>Rhodomonas minuta</i> Skuja	64,656	6.34
				<i>Cryptomonas erosa</i> Ehrenberg	5,800	7.00

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.66
				<i>Cryptomonas rostratiformis</i> Skuja	1,400	2.87
				<i>Katablepharis ovalis</i> Skuja	71,840	4.06
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	3,000	25.44
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.89
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,600	9.87
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.43
MEL - 0105	1	July	Cyanobacteria	<i>Aphanocapsa</i> sp.	200	0.24
				<i>Snowella</i> sp	400	0.30
			Chlorophyceae	<i>Dictyosphaerium simplex</i> Sukja	71,840	0.34
				<i>Monoraphidium komarkovae</i> (Nyg.) Komarkova-Legnerova	14,368	1.00
				<i>Planctonema lauterbornii</i> Schmidle	57,472	14.44
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	610,640	7.82
				Large chrysophyceae	50,288	9.03
				<i>Chrysochromulina parva</i> Lackey	639,376	41.82
				<i>Chrysococcus</i> sp.	193,968	12.69
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	4.78
				<i>Kephyrion</i> sp.	50,288	0.86
				<i>Spiniferomonas sirrata</i> *****	50,288	4.38
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Dinobryon borgei</i> Lemmermann	50,288	2.58
				<i>Dinobryon bavaricum</i> Imhof	79,024	17.88
				<i>Dinobryon bavaricum</i> Imhof	3,600	7.17
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	136,496	30.88
				<i>Dinobryon sociale</i> Ehrenberg	1,200	1.50
				<i>Epiphyxis</i> sp.	7,184	0.54
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	100,576	3.02
				<i>Uroglena volvox</i> Ehrenberg	1,587,664	179.56
				<i>Chrysochromulina laurentiana</i> Kling	64,656	25.51
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	600	1.09
				<i>Cyclotella ocellata</i> Pant.	21,552	2.17
				<i>Rhizosolenia erienze</i> H.L. Smith	258,624	20.12
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	400	0.51
				<i>Fragilaria crotonensis</i> Kitton	20,000	6.87
				<i>Synedra acus</i> Kutzing	4,600	0.48
				<i>Asterionella formosa</i> Hassall	3,200	0.31
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	0.82
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	7.05
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	2.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.06
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.82
				<i>Katablepharis ovalis</i> Skuja	43,104	2.44
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	3,000	26.35
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	5.30
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	6.01
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.43
MEL-0301	1	July	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.20
				<i>Paulschulzia pseudovolvox</i> (Schulz and Teiling) Skuja	200	0.70
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Staurodesmus paradoxum</i> Meyen	200	0.82
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	244,256	1.56
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	359,200	23.49
				<i>Chrysococcus</i> sp.	229,888	15.03
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	5.13
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	136,496	2.35
				<i>Spiniferomonas sirrata</i> *****	14,368	1.25
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	86,208	4.42
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.77
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	1,400	2.79
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	57,472	1.49

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Uroglena volvox Ehrenberg</i>	488,512	55.25
				<i>Chrysochromulina laurentiana Kling</i>	64,656	25.51
				<i>Stichogloea</i> spp.	14,368	0.72
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	1,200	2.18
				<i>Cyclotella ocellata Pant.</i>	14,368	1.44
				<i>Rhizosolenia eriensense H.L. Smith</i>	21,552	1.68
				<i>Fragilaria crotonensis Kitton</i>	400	0.13
				<i>Synedra acus Kutzing</i>	1,000	0.10
				<i>Cyclotella michiganiana Skvortzow</i>	57,472	1.10
				<i>Cyclotella bodanica Eulenst.</i>	200	1.17
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	79,024	7.18
				<i>Cryptomonas erosa Ehrenberg</i>	1,800	2.20
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	200	0.14
				<i>Cryptomonas rostratiformis Skuja</i>	400	0.85
				<i>Katablepharis ovalis Skuja</i>	7,184	0.41
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	5.73
				<i>Peridinium pusillum (Penard) Lemmermann</i>	400	0.96
MEL-0301	2	July	Chlorophyceae	<i>Oocystis lacustris Chodat</i>	14,368	0.41
				<i>Elakatothrix gelatinosa Willen</i>	28,736	0.50
				<i>Planctonema lauterbornii Schmidle</i>	7,184	1.81
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus (Andersson) Teiling</i>	400	0.15
				<i>Staurodesmus paradoxum Meyen</i>	200	0.58
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
				<i>Oocystis gigas Archer</i>	200	0.48
			Chrysophyceae	Small chrysophyceae	280,176	1.79
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva Lackey</i>	258,624	16.91
				<i>Chrysococcus</i> sp.	222,704	14.56
				<i>Chrysostephanospaera globulifera Scherffel</i>	7,184	2.56
				<i>Kephyrion</i> sp.	150,864	2.59
				<i>Spiniferomonas sirrata*****</i>	7,184	0.63
				<i>Dinobryon borgei Lemmermann</i>	71,840	3.69
				<i>Dinobryon mucronutom Nygaard</i>	7,184	0.93
				<i>Dinobryon bavaricum Imhof</i>	400	0.50
				<i>Dinobryon sertularia Ehrenberg</i>	50,288	11.38
				<i>Dinobryon sertularia Ehrenberg</i>	1,200	4.07
				<i>Dinobryon sociale Ehrenberg</i>	100,576	22.75
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	71,840	1.86
				<i>Uroglena volvox Ehrenberg</i>	373,568	42.25
				<i>Chrysochromulina laurentiana Kling</i>	50,288	19.84
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	7,184	0.19
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	800	1.45
				<i>Cyclotella ocellata Pant.</i>	28,736	2.89
				<i>Rhizosolenia eriensense H.L. Smith</i>	43,104	3.35
				<i>Tabellaria fenestrata (Lyngbye) Kutzing</i>	1,600	1.24
				<i>Synedra acus Kutzing</i>	400	0.04
				<i>Cyclotella michiganiana Skvortzow</i>	43,104	0.82
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	64,656	5.87
				<i>Cryptomonas erosa Ehrenberg</i>	2,600	3.18
				<i>Cryptomonas rostratiformis Skuja</i>	200	0.42
				<i>Katablepharis ovalis Skuja</i>	21,552	1.22
			Dinophyceae	<i>Gymnodinium</i> sp.	2,800	16.04
				<i>Peridinium pusillum (Penard) Lemmermann</i>	600	1.44
MEL-0302	1	July	Chlorophyceae	<i>Oocystis lacustris Chodat</i>	21,552	1.08
				<i>Paulschulzia pseudovolvox (Schulz and Teiling) Skuja</i>	200	0.70
				<i>Elakatothrix gelatinosa Willen</i>	14,368	0.25
				<i>Planctonema lauterbornii Schmidle</i>	7,184	1.63
				<i>Cosmarium</i> sp.	200	1.14
				<i>Staurodesmus extensus (Andersson) Teiling</i>	200	0.07
				<i>Tetraedron caudatum (Corda) Hansgrig</i>	7,184	0.03
			Chrysophyceae	Small chrysophyceae	301,728	2.17
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva Lackey</i>	208,336	13.63
				<i>Chrysococcus</i> sp.	265,808	17.38
				<i>Kephyrion boreale Skuja</i>	14,368	1.71
				<i>Kephyrion</i> sp.	107,760	1.68
				<i>Dinobryon borgei Lemmermann</i>	93,392	4.79
				<i>Dinobryon mucronutom Nygaard</i>	7,184	0.93
				<i>Dinobryon bavaricum Imhof</i>	400	0.50
				<i>Dinobryon sertularia Ehrenberg</i>	35,920	8.13
				<i>Dinobryon sertularia Ehrenberg</i>	1,600	5.42
				<i>Dinobryon sociale Ehrenberg</i>	100,576	22.75
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	71,840	1.76
				<i>Uroglena volvox Ehrenberg</i>	524,432	59.31
				<i>Chrysochromulina laurentiana Kling</i>	43,104	17.01

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	200	0.36
				<i>Cyclotella ocellata</i> Pant.	21,552	2.17
				<i>Rhizosolenia erienze</i> H.L. Smith	28,736	2.24
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,800	3.80
				<i>Fragilaria crotonensis</i> Kitton	600	0.20
				<i>Synedra acus</i> Kutzing	800	0.08
				<i>Asterionella formosa</i> Hassall	2,400	0.24
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.83
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	143,680	13.05
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.70
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.45
				<i>Katablepharis ovalis</i> Skuja	7,184	0.42
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	6.37
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,000	4.37
				<i>Peridinium aciculiferum</i> Lemmermann	600	5.43
MEL-0303	1	July	Cyanobacteria	<i>Planktolyngbya limnetica</i>	200	0.03
				<i>Snowella</i> sp	400	0.31
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.63
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Mougeotia</i> sp.	400	1.32
			Chrysophyceae	Small chrysophyceae	280,176	1.79
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	402,304	26.31
				<i>Chrysococcus</i> sp.	244,256	15.97
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.56
				<i>Kephyrion boreale</i> Skuja	21,552	2.69
				<i>Kephyrion</i> sp.	158,048	2.72
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Dinobryon borgei</i> Lemmermann	71,840	5.15
				<i>Dinobryon bavaricum</i> Imhof	600	2.03
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	150,864	34.13
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	93,392	2.47
				<i>Uroglena volvox</i> Ehrenberg	675,296	76.38
				<i>Chrysochromulina laurentiana</i> Kling	35,920	14.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.37
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.57
				<i>Cyclotella ocellata</i> Pant.	28,736	3.23
				<i>Rhizosolenia erienze</i> H.L. Smith	21,552	1.37
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.15
				<i>Fragilaria crotonensis</i> Kitton	800	0.27
				<i>Synedra acus</i> Kutzing	800	0.08
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.51
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	129,312	11.74
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.71
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.28
				<i>Cryptomonas rostratiformis</i> Skuja	1,000	2.12
				<i>Katablepharis ovalis</i> Skuja	7,184	0.41
			Dinophyceae	<i>Gymnodinium</i> sp.	1,200	7.25
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.89
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.87
MEL-0304	1	July	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.63
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.22
				<i>Staurodesmus paradoxum</i> Meyen	200	0.82
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Botryococcus braunii</i> Kutzing	600	0.42
			Chrysophyceae	Small chrysophyceae	466,960	2.99
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	452,592	29.60
				<i>Chrysococcus</i> sp.	272,992	17.85
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	122,128	2.52
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	100,576	4.86
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.81
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	57,472	13.00
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	93,392	2.47

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL - 0304	1	July		<i>Uroglena volvox Ehrenberg</i>	560,352	63.38
				<i>Uroglena volvox Ehrenberg</i>	200	2.32
				<i>Chrysochromulina laurentiana Kling</i>	71,840	28.35
				<i>Stichogloea spp.</i>	14,368	0.72
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	28,736	0.74
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	800	1.45
				<i>Rhizosolenia erienne H.L. Smith</i>	35,920	2.28
				<i>Fragilaria crotonensis Kitton</i>	600	0.20
				<i>Synedra acus Kutzing</i>	800	0.09
				<i>Asterionella formosa Hassall</i>	800	0.08
				<i>Cyclotella michiganiana Skvortzow</i>	28,736	0.55
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	50,288	4.57
				<i>Cryptomonas erosa Ehrenberg</i>	1,800	2.19
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	600	0.42
				<i>Cryptomonas rostratiformis Skuja</i>	200	0.42
				<i>Katablepharis ovalis Skuja</i>	7,184	0.41
			Dinophyceae	<i>Gymnodinium helveticum Penard</i>	200	4.71
				<i>Gymnodinium sp.</i>	7,184	2.65
				<i>Gymnodinium sp.</i>	1,600	8.10
				<i>Peridinium pusillum (Penard) Lemmermann</i>	2,000	4.97
				<i>Peridinium aciculiferum Lemmermann</i>	200	1.81
MEL - 0305	1	July	Cyanobacteria	<i>Planktolyngbya limnetica</i>	200	0.04
			Chlorophyceae	<i>Elakatothrix gelatinosa Willen</i>	14,368	0.25
				<i>Cosmarium sp.</i>	600	0.84
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	7,184	0.27
				<i>Oocystis gigas Archer</i>	200	0.48
			Chrysophyceae	Small chrysophyceae	474,144	3.03
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva Lackey</i>	272,992	17.85
				<i>Chrysococcus sp.</i>	165,232	10.81
				<i>Kephyrion sp.</i>	28,736	0.45
				<i>Spiniferomonas sirrata*****</i>	7,184	0.66
				<i>Mallomonas crassisquama (Asmund) Fott</i>	400	0.42
				<i>Dinobryon borgei Lemmermann</i>	93,392	4.79
				<i>Dinobryon mucronutom Nygaard</i>	7,184	0.90
				<i>Dinobryon sertularia Ehrenberg</i>	35,920	8.13
				<i>Dinobryon sertularia Ehrenberg</i>	2,200	11.19
				<i>Dinobryon sociale Ehrenberg</i>	107,760	24.38
				<i>Chrysolkos skuja (Nauwerck) Willen</i>	71,840	1.90
				<i>Uroglena volvox Ehrenberg</i>	754,320	85.31
				<i>Chrysochromulina laurentiana Kling</i>	79,024	31.18
				<i>Salpingoeca frequentissima (Zach.) Lemmermann</i>	21,552	0.56
			Bacillariophyceae	<i>Cyclotella stelligera Cleve and Grunow</i>	200	0.31
				<i>Cyclotella ocellata Pant.</i>	14,368	1.92
				<i>Rhizosolenia erienne H.L. Smith</i>	71,840	4.57
				<i>Fragilaria crotonensis Kitton</i>	200	0.07
				<i>Synedra acus Kutzing</i>	1,400	0.15
				<i>Cyclotella michiganiana Skvortzow</i>	57,472	1.10
			Cryptophyceae	<i>Rhodomonas minuta Skuja</i>	71,840	6.52
				<i>Cryptomonas erosa Ehrenberg</i>	800	0.97
				<i>Cryptomonas reflexa (Marsson) Skuja</i>	400	0.28
				<i>Cryptomonas rostratiformis Skuja</i>	400	0.85
				<i>Katablepharis ovalis Skuja</i>	35,920	2.03
			Dinophyceae	<i>Gymnodinium sp.</i>	600	3.35
				<i>Peridinium pusillum (Penard) Lemmermann</i>	2,400	5.54
			Chlorophyceae	<i>Pyramidomonas tetrarhynchus Schmarda</i>	200	0.11
				<i>Elakatothrix gelatinosa Willen</i>	21,552	0.37
				<i>Planctonema lauterbornii Schmidle</i>	21,552	5.42
				<i>Cosmarium sp.</i>	200	2.23
				<i>Euastrum spp.</i>	600	1.12
				<i>Staurodesmus extensus (Andersson) Teiling</i>	600	0.25
				<i>Staurodesmus paradoxum Meyen</i>	200	0.55
				<i>Spondylosium planum (Wolle) W. and G.S. West</i>	21,552	0.81
				<i>Oocystis gigas Archer</i>	200	0.48
			Chrysophyceae	Small chrysophyceae	352,016	4.51
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva Lackey</i>	193,968	12.69
				<i>Chrysococcus sp.</i>	215,520	14.10
				<i>Kephyrion sp.</i>	100,576	1.73
				<i>Spiniferomonas sirrata*****</i>	14,368	1.79
				<i>Mallomonas crassisquama (Asmund) Fott</i>	200	0.21
				<i>Dinobryon borgei Lemmermann</i>	28,736	1.47
				<i>Dinobryon mucronutom Nygaard</i>	43,104	5.64
				<i>Dinobryon bavaricum Imhof</i>	7,184	1.63
				<i>Dinobryon bavaricum Imhof</i>	2,400	8.14
				<i>Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger</i>	14,368	5.90
				<i>Dinobryon sertularia Ehrenberg</i>	43,104	9.75

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0201	1	July		<i>Dinobryon sertularia</i> Ehrenberg	1,000	5.09
				<i>Dinobryon sociale</i> Ehrenberg	114,944	26.00
				<i>Dinobryon sociale</i> Ehrenberg	200	0.40
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	531,616	60.13
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	0.93
				<i>Chrysolykos anulatus</i>	79,024	31.18
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	2.20
				<i>Cyclotella ocellata</i> Pant.	7,184	0.53
				<i>Rhizosolenia eriense</i> H.L. Smith	35,920	2.79
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.17
				<i>Fragilaria crotonensis</i> Kitton	800	0.26
				<i>Synedra acus</i> Kutzing	3,400	0.36
				<i>Asterionella formosa</i> Hassall	1,200	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	100,576	1.92
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	179,600	14.10
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.46
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.88
				<i>Katablepharis ovalis</i> Skuja	14,368	0.81
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	2,600	17.00
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,600	5.58
MEL-0202	1	July	Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	21,552	0.37
				<i>Planctonema lauterbornii</i> Schmidle	50,288	12.64
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.29
				<i>Mougeotia</i> sp.	200	0.41
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	545,984	6.99
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	387,936	25.37
				<i>Chrysococcus</i> sp.	193,968	12.69
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	129,312	2.22
				<i>Spiniferomonas sirrata</i> *****	7,184	0.85
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	43,104	2.21
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.88
				<i>Dinobryon bavaricum</i> Imhof	50,288	11.38
				<i>Dinobryon bavaricum</i> Imhof	1,800	6.10
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	200	0.55
				<i>Dinobryon sertularia</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sertularia</i> Ehrenberg	3,000	15.26
				<i>Dinobryon sociale</i> Ehrenberg	100,576	22.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.22
				<i>Uroglena volvox</i> Ehrenberg	790,240	89.38
				<i>Chrysochromulina laurentiana</i> Kling	93,392	36.85
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.56
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.88
				<i>Cyclotella ocellata</i> Pant.	7,184	0.53
				<i>Rhizosolenia eriense</i> H.L. Smith	14,368	1.12
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	400	0.53
				<i>Fragilaria crotonensis</i> Kitton	1,600	0.53
				<i>Synedra acus</i> Kutzing	1,600	0.17
				<i>Asterionella formosa</i> Hassall	1,600	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.55
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	93,392	7.33
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.22
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.66
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.85
				<i>Katablepharis ovalis</i> Skuja	14,368	0.81
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.31
				<i>Gymnodinium</i> sp.	600	4.18
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.43
			Cyanobacteria	<i>Planktolyngbya limnetica</i>	21,552	5.42
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	21,552	0.61
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.06
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.29
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Oocystis gigas</i> Archer	200	0.48
				Small chrysophyceae	452,592	5.79

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0203	1	July	Chrysophyceae	Large chrysophyceae	258,624	46.45
				<i>Chrysochromulina parva</i> Lackey	459,776	30.07
				<i>Chrysococcus</i> sp.	344,832	22.55
				<i>Kephyrion</i> sp.	71,840	1.24
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Dinobryon borgei</i> Lemmermann	50,288	2.58
				<i>Dinobryon mucronutom</i> Nygaard	71,840	9.03
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	2,200	4.38
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.09
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	2,800	9.49
				<i>Dinobryon sociale</i> Ehrenberg	100,576	22.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	43,104	1.29
				<i>Uroglena volvox</i> Ehrenberg	847,712	95.88
				<i>Chrysochromulina laurentiana</i> Kling	129,312	51.03
				<i>Stichogloea</i> spp.	71,840	3.61
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.88
				<i>Cyclotella ocellata</i> Pant.	14,368	1.56
				<i>Rhizosolenia erienze</i> H.L. Smith	35,920	2.79
				<i>Fragilaria crotonensis</i> Kitton	2,000	0.66
				<i>Synedra acus</i> Kutzing	1,400	0.15
				<i>Asterionella formosa</i> Hassall	2,400	0.24
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.27
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	136,496	10.71
				<i>Cryptomonas erosa</i> Ehrenberg	1,600	1.97
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.40
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	21,552	1.22
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	3,800	26.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,800	8.15
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL-0204	1	July	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.17
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Planctonema lauterbornii</i> Schmidle	28,736	7.22
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.46
				<i>Staurodesmus paradoxum</i> Meyen	200	0.22
				<i>Botryococcus braunii</i> Kutzing	200	0.14
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	445,408	5.70
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	538,800	35.24
				<i>Chrysococcus</i> sp.	222,704	14.56
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	122,128	2.10
				<i>Spiniferomonas sirrata</i> *****	28,736	3.41
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.52
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.85
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	1,200	2.39
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	0.55
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	107,760	24.38
				<i>Epiphyxis</i> sp.	7,184	0.55
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	725,584	82.06
				<i>Chrysochromulina laurentiana</i> Kling	86,208	34.02
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	7,184	0.22
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	2.83
				<i>Cyclotella ocellata</i> Pant.	35,920	3.89
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.56
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	600	0.50
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.47
				<i>Synedra acus</i> Kutzing	1,600	0.17
				<i>Asterionella formosa</i> Hassall	2,800	0.28
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.27
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	86,208	6.77
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.22
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.13
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.45
				<i>Katablepharis ovalis</i> Skuja	21,552	1.22

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0205	1	July	Dinophyceae	<i>Gymnodinium</i> sp.	1,200	11.04
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	4.72
			Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	14,368	0.48
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Planctonema lauterbornii</i> Schmidle	28,736	7.22
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.38
				<i>Staurodesmus paradoxum</i> Meyen	400	1.63
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Oocystis gigas</i> Archer	800	1.93
			Chrysophyceae	Small chrysophyceae	459,776	5.89
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	387,936	25.37
				<i>Chrysococcus</i> sp.	215,520	14.10
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	86,208	1.48
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.11
				<i>Dinobryon mucronutum</i> Nygaard	43,104	5.64
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.09
				<i>Dinobryon sertularia</i> Ehrenberg	43,104	9.75
				<i>Dinobryon sertularia</i> Ehrenberg	1,600	5.42
				<i>Dinobryon sociale</i> Ehrenberg	93,392	21.13
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	35,920	0.88
				<i>Uroglena volvox</i> Ehrenberg	653,744	73.94
				<i>Chrysochromulina laurentiana</i> Kling	100,576	39.69
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.43
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,000	3.14
				<i>Cyclotella ocellata</i> Pant.	7,184	0.75
				<i>Rhizosolenia erianse</i> H.L. Smith	35,920	2.79
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,200	2.62
				<i>Fragilaria crotonensis</i> Kitton	1,600	0.53
				<i>Synedra acus</i> Kutzing	1,600	0.17
				<i>Asterionella formosa</i> Hassall	2,000	0.20
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.66
				<i>Cyclotella bodanica</i> Eulens.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	6.27
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.22
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.45
				<i>Katablepharis ovalis</i> Skuja	7,184	0.41
			Dinophyceae	<i>Gymnodinium</i> sp.	1,400	12.88
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.14
MEL-0205	2	July	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.24
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.96
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.23
				<i>Oocystis gigas</i> Archer	600	1.45
			Chrysophyceae	Small chrysophyceae	567,536	7.26
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	452,592	29.60
				<i>Chrysococcus</i> sp.	251,440	16.44
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	3.85
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	64,656	1.11
				<i>Spiniferomonas sirrata</i> *****	35,920	3.30
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	43,104	2.21
				<i>Dinobryon mucronutum</i> Nygaard	43,104	5.64
				<i>Dinobryon bavaricum</i> Imhof	28,736	6.50
				<i>Dinobryon bavaricum</i> Imhof	64,656	14.63
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	800	2.18
				<i>Dinobryon sertularia</i> Ehrenberg	2,400	8.14
				<i>Dinobryon sociale</i> Ehrenberg	71,840	16.25
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	14,368	0.35
				<i>Uroglena volvox</i> Ehrenberg	725,584	82.06
				<i>Chrysochromulina laurentiana</i> Kling	64,656	25.51
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.08
				<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.88
				<i>Rhizosolenia erianse</i> H.L. Smith	28,736	2.24

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	6,200	5.08
				<i>Fragilaria crotonensis</i> Kitton	400	0.13
				<i>Synedra acus</i> Kutzing	2,000	0.21
				<i>Asterionella formosa</i> Hassall	2,800	0.28
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.00
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	3.76
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.48
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.90
				<i>Katablepharis ovalis</i> Skuja	7,184	0.41
			Dinophyceae	<i>Gymnodinium</i> sp.	2,200	20.25
<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	2.14				
MEL-0101	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.11
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.72
				<i>Pediastrum duplex</i> Meyen	200	0.85
				<i>Oocystis lacustris</i> Chodat	21,552	0.56
				<i>Elakatothrix gelatinosa</i> Willen	129,312	2.24
				<i>Planctonema lauterbornii</i> Schmidle	79,024	17.88
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.39
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	423,856	1.78
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	251,440	16.44
				<i>Chrysococcus</i> sp.	632,192	41.35
				<i>Kephyrion boreale</i> Skuja	28,736	3.41
				<i>Kephyrion</i> sp.	86,208	1.10
				<i>Spiniferomonas sirrata</i> *****	7,184	1.08
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	114,944	26.00
				<i>Dinobryon bavaricum</i> Imhof	1,000	1.25
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	7,184	2.80
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	200	0.84
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.23
				<i>Uroglena volvox</i> Ehrenberg	114,944	13.00
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.69
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.88
				<i>Rhizosolenia eriense</i> H.L. Smith	14,368	1.12
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	8,000	11.13
				<i>Fragilaria crotonensis</i> Kitton	10,800	3.76
				<i>Synedra acus</i> Kutzing	4,200	0.48
				<i>Asterionella formosa</i> Hassall	5,600	0.56
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	165,232	24.92
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	2.85
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.31
				<i>Katablepharis ovalis</i> Skuja	28,736	1.48
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	3,400	39.92
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,600	10.43
						Cyanobacteria
Chlorophyceae	<i>Pediastrum duplex</i> Meyen	200				0.85
	<i>Elakatothrix gelatinosa</i> Willen	93,392				1.62
	<i>Planctonema lauterbornii</i> Schmidle	71,840				16.25
	<i>Cosmarium</i> sp.	200				0.28
	<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200				0.55
	<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200				0.33
	<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920				1.35
	<i>Botryococcus braunii</i> Kutzing	600				0.54
	<i>Oocystis gigas</i> Archer	200				0.48
	<i>Monomastix minuta</i> Skuja	7,184				0.14
	Small chrysophyceae	481,328				6.16
	Large chrysophyceae	7,184				1.29
	<i>Chrysochromulina parva</i> Lackey	201,152				13.16
	<i>Chrysococcus</i> sp.	840,528				54.97
	<i>Kephyrion boreale</i> Skuja	7,184				0.85
	<i>Kephyrion</i> sp.	71,840				0.92
	<i>Spiniferomonas sirrata</i> *****	7,184				1.08
	<i>Dinobryon borgei</i> Lemmermann	7,184				0.37

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0102	1	August	Chrysophyceae	<i>Dinobryon bavaricum</i> Imhof	79,024	17.88
				<i>Dinobryon bavaricum</i> Imhof	800	1.00
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	3.39
				<i>Dinobryon sociale</i> Ehrenberg	35,920	8.13
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	28,736	0.93
				<i>Uroglena volvox</i> Ehrenberg	43,104	4.88
				<i>Chrysochromulina laurentiana</i> Kling	107,760	43.93
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.60
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,400	2.20
				<i>Rhizosolenia erienne</i> H.L. Smith	7,184	0.56
				<i>Fragilaria crotonensis</i> Kitton	11,200	3.89
				<i>Synedra acus</i> Kutzing	4,000	0.46
				<i>Asterionella formosa</i> Hassall	10,200	1.03
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	215,520	32.50
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.42
				<i>Cryptomonas ovata</i> Ehrenberg	200	0.90
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.61
				<i>Katablepharis ovalis</i> Skuja	21,552	1.11
			Dinophyceae	<i>Gymnodinium</i> sp.	21,552	7.94
				<i>Gymnodinium</i> sp.	400	3.12
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,600	8.16
MEL-0103	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.11
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.06
				<i>Elakatothrix gelatinosa</i> Willen	64,656	1.12
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Staurodesmus paradoxum</i> Meyen	600	2.45
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	800	0.42
			Chrysophyceae	Small chrysophyceae	402,304	5.15
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	323,280	21.14
				<i>Chrysococcus</i> sp.	538,800	35.24
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	14,368	0.18
				<i>Spiniferomonas sirrata</i> *****	14,368	1.06
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.84
				<i>Dinobryon bavaricum</i> Imhof	150,864	34.13
				<i>Dinobryon bavaricum</i> Imhof	1,000	1.25
				<i>Dinobryon bavaricum</i> v vanhoeffenii (Bachmann) Krieger	400	1.68
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Uroglena volvox</i> Ehrenberg	186,784	21.13
				<i>Chrysochromulina laurentiana</i> Kling	150,864	59.53
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.85
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,600	4.08
				<i>Rhizosolenia erienne</i> H.L. Smith	7,184	0.56
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	12,600	17.52
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.23
				<i>Fragilaria crotonensis</i> Kitton	10,200	3.46
				<i>Synedra acus</i> Kutzing	2,400	0.28
				<i>Asterionella formosa</i> Hassall	13,000	1.31
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	251,440	37.92
				<i>Cryptomonas erosa</i> Ehrenberg	4,400	5.22
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	3,200	36.78
				<i>Peridinium pusillum</i> (Penard) Lemmermann	5,400	12.02
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
			Cyanobacteria	<i>Snowella</i> sp	200	0.11
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Tetraedron minimum</i> (Brunow) Hansgrig	7,184	1.25
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.50
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0104	1	August	Chlorophyceae	<i>Cosmarium</i> sp.	200	0.94
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Botryococcus braunii</i> Kutzing	600	0.54
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	28,736	0.32
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	452,592	5.79
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	466,960	30.54
				<i>Chrysococcus</i> sp.	402,304	26.31
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.00
				<i>Kephyrion boreale</i> Skuja	21,552	2.56
				<i>Kephyrion</i> sp.	93,392	1.20
				<i>Spiniferomonas sirrata</i> *****	14,368	2.16
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.84
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon bavaricum</i> Imhof	79,024	17.88
				<i>Dinobryon bavaricum</i> Imhof	2,200	2.75
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	400	1.68
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.46
				<i>Uroglena volvox</i> Ehrenberg	208,336	23.56
				<i>Chrysochromulina laurentiana</i> Kling	114,944	45.36
				<i>Stichogloea</i> spp.	50,288	2.53
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	57,472	1.70
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	3.77
				<i>Rhizosolenia erienze</i> H.L. Smith	14,368	1.12
				<i>Fragilaria crotonensis</i> Kitton	5,000	1.74
				<i>Synedra acus</i> Kutzing	2,000	0.23
				<i>Asterionella formosa</i> Hassall	11,200	1.13
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	308,912	46.58
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.65
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.23
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.45
				<i>Katablepharis ovalis</i> Skuja	35,920	1.65
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	4,000	46.97
				<i>Peridinium pusillum</i> (Penard) Lemmermann	7,800	17.69
				<i>Peridinium wisconsiense</i> Eddy	600	5.61
MEL-0105	1	August	Cyanobacteria	<i>Snowella</i> sp	1,200	0.66
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	57,472	2.23
				<i>Pediastrum tetras</i> (Ehrenberg) Ralfs	28,736	0.32
				<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Elakatothrix gelatinosa</i> Willen	100,576	1.74
				<i>Planctonema lauterbornii</i> Schmidle	107,760	24.38
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.55
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	800	0.72
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	589,088	7.54
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	294,544	19.26
				<i>Chrysococcus</i> sp.	560,352	36.65
				<i>Kephyrion boreale</i> Skuja	21,552	2.56
				<i>Kephyrion</i> sp.	71,840	0.92
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon bavaricum</i> Imhof	136,496	30.88
				<i>Dinobryon bavaricum</i> Imhof	800	1.00
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	0.84
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	21,552	4.88
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.65
				<i>Uroglena volvox</i> Ehrenberg	395,120	44.69
				<i>Chrysochromulina laurentiana</i> Kling	114,944	45.36
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.65
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	2.83
				<i>Rhizosolenia erienze</i> H.L. Smith	35,920	2.79
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,000	2.78
				<i>Fragilaria crotonensis</i> Kitton	13,000	4.52
				<i>Synedra acus</i> Kutzing	2,400	0.28

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Asterionella formosa</i> Hassall	10,600	1.07
				<i>Cyclotella michiganiana</i> Skvortzow	71,840	1.37
				<i>Rhodomonas minuta</i> Skuja	143,680	21.67
			Cryptophyceae	<i>Cryptomonas erosa</i> Ehrenberg	3,000	3.62
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.77
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
				<i>Gymnodinium helveticum</i> Penard	400	9.61
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.67
				<i>Gymnodinium</i> sp.	1,800	21.14
				<i>Peridinium pusillum</i> (Penard) Lemmermann	5,800	13.15
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.74
MEL-0201	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.20
			Chlorophyceae	<i>Chlamydomonas</i> spp.	28,736	0.59
				<i>Sphaerocystis Schroeteri</i> Chodat	79,024	1.93
				<i>Oocystis lacustris</i> Chodat	7,184	0.18
				<i>Crucigenia quadrata</i> Morr.	57,472	0.64
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Planctonema lauterbornii</i> Schmidle	28,736	6.50
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Oocystis gigas</i> Archer	600	1.45
				<i>Nephrocytiun lunatum</i> W. West	400	1.07
			Chrysophyceae	Small chrysophyceae	344,832	4.41
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	158,048	10.34
				<i>Chrysococcus</i> sp.	531,616	34.77
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.15
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	93,392	0.96
				<i>Spiniferomonas sirrata</i> *****	7,184	0.85
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sociale</i> Ehrenberg	35,920	8.13
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	86,208	9.75
				<i>Chrysochromulina laurentiana</i> Kling	100,576	41.00
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Bicoeca lacustris</i> Clark	7,184	0.37
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.56
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.82
				<i>Cyclotella ocellata</i> Pant.	57,472	6.69
				<i>Rhizosolenia erienae</i> H.L. Smith	7,184	0.46
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.49
				<i>Synedra acus</i> Kutzin	600	0.07
				<i>Cyclotella michiganiana</i> Skvortzow	86,208	1.65
				<i>Cyclotella bodanica</i> Eulenst.	600	4.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	186,784	28.17
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.65
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.74
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.60
				<i>Katablepharis ovalis</i> Skuja	7,184	0.36
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	5.10
				<i>Gymnodinium</i> sp.	1,200	14.24
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,000	1.99
			Cyanobacteria	<i>Snowella</i> sp	600	0.30
			Chlorophyceae	<i>Chlamydomonas</i> spp.	35,920	0.86
				<i>Sphaerocystis Schroeteri</i> Chodat	14,368	0.48
				<i>Oocystis lacustris</i> Chodat	50,288	1.23
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.06
				<i>Quadrigula closterioides</i> (Bohl.) Printz	57,472	2.03
				<i>Elakatothrix gelatinosa</i> Willen	93,392	1.62
				<i>Planctonema lauterbornii</i> Schmidle	28,736	7.22
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.09
				<i>Staurodesmus paradoxum</i> Meyen	200	0.58
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Mougeotia</i> sp.	200	0.28
				<i>Botryococcus braunii</i> Kutzin	200	0.18
				<i>Oocystis gigas</i> Archer	200	0.48
				Small chrysophyceae	237,072	3.03
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	143,680	9.40
				<i>Chrysococcus</i> sp.	632,192	41.35
				<i>Kephyrion boreale</i> Skuja	7,184	0.85

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0202	1	August	Chrysophyceae	<i>Kephyrion</i> sp.	129,312	1.33
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.59
				<i>Uroglena volvox</i> Ehrenberg	186,784	21.13
				<i>Chrysochromulina laurentiana</i> Kling	57,472	23.43
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.74
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	5,000	9.09
				<i>Cyclotella ocellata</i> Pant.	50,288	5.65
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	1,600	2.05
				<i>Fragilaria crotonensis</i> Kitton	600	0.21
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Asterionella formosa</i> Hassall	1,600	0.16
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.55
				<i>Cyclotella bodanica</i> Eulenst.	600	4.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	215,520	32.50
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.41
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
				<i>Katablepharis ovalis</i> Skuja	7,184	0.36
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	5.30
				<i>Gymnodinium</i> sp.	600	7.58
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,600	5.18
MEL-0202	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.34
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.24
				<i>Oocystis lacustris</i> Chodat	21,552	0.53
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.06
				<i>Elakatothrix gelatinosa</i> Willen	71,840	1.24
				<i>Planctonema lauterbornii</i> Schmidle	28,736	6.50
				<i>Cosmarium</i> sp.	600	0.84
				<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.37
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	800	0.72
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	330,464	4.23
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	222,704	14.56
				<i>Chrysococcus</i> sp.	581,904	38.06
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	107,760	1.11
				<i>Spiniferomonas sirrata</i> *****	7,184	0.85
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.63
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.47
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.71
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.59
				<i>Uroglena volvox</i> Ehrenberg	229,888	26.00
				<i>Chrysochromulina laurentiana</i> Kling	50,288	20.50
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Bicoeca lacustris</i> Clark	14,368	0.73
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.12
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	5.46
				<i>Cyclotella ocellata</i> Pant.	35,920	4.03
				<i>Fragilaria crotonensis</i> Kitton	1,000	0.35
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Asterionella formosa</i> Hassall	800	0.08
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.55
				<i>Cyclotella bodanica</i> Eulenst.	600	4.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	222,704	33.58
				<i>Cryptomonas erosa</i> Ehrenberg	2,600	3.14
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	600	0.89
				<i>Katablepharis ovalis</i> Skuja	21,552	1.09
			Dinophyceae	<i>Gymnodinium</i> sp.	200	2.53
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,800	7.57
			Cyanobacteria	<i>Chroococcus turgidus</i> (Kutzing) Nageli	28,736	10.59
				<i>Chlamydomonas</i> spp.	14,368	0.34
				<i>Pediastrum duplex</i> Meyen	200	0.88
				<i>Oocystis lacustris</i> Chodat	7,184	0.18
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.08

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0203	1	August	Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	265,808	5.85
				<i>Planctonema lauterbornii</i> Schmidle	57,472	14.44
				<i>Cosmarium</i> sp.	400	0.56
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Monomastix minuta</i> Skuja	7,184	0.16
				<i>Nephrocytiun lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	272,992	3.49
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	93,392	6.11
				<i>Chrysococcus</i> sp.	553,168	36.18
				<i>Kephyrion boreale</i> Skuja	21,552	2.56
				<i>Kephyrion</i> sp.	100,576	1.04
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	186,784	21.13
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.58
				<i>Chrysochromulina laurentiana</i> Kling	86,208	35.15
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.56
				<i>Pteridomonas</i> sp.	14,368	3.19
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	5,000	9.09
				<i>Fragilaria crotonensis</i> Kitton	400	0.14
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	201,152	30.33
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.41
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
				<i>Katablepharis ovalis</i> Skuja	14,368	0.72
			Dinophyceae	<i>Gymnodinium</i> sp.	800	10.11
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.19
MEL-0204	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.10
			Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.52
				<i>Oocystis lacustris</i> Chodat	7,184	0.18
				<i>Elakatothrix gelatinosa</i> Willen	229,888	5.06
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.48
				<i>Staurodesmus paradoxum</i> Meyen	200	0.63
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	50,288	45.50
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.41
				<i>Nephrocytiun lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	265,808	3.40
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	603,456	39.47
				<i>Kephyrion</i> sp.	71,840	0.74
				<i>Spiniferomonas sirrata</i> *****	14,368	1.71
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,400	4.75
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	258,624	29.25
				<i>Chrysochromulina laurentiana</i> Kling	100,576	39.69
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.56
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,000	7.27
				<i>Cyclotella ocellata</i> Pant.	57,472	7.18
				<i>Fragilaria crotonensis</i> Kitton	1,600	0.54
				<i>Synedra acus</i> Kutzing	800	0.09
				<i>Asterionella formosa</i> Hassall	1,200	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
				<i>Cyclotella bodanica</i> Eulenz.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	237,072	35.75
				<i>Cryptomonas erosa</i> Ehrenberg	3,000	3.62

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cryptomonas rostratiformis</i> Skuja	200	0.29
				<i>Katablepharis ovalis</i> Skuja	14,368	0.72
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	1,200	14.39
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	6.37
MEL-0205	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.34
				<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.24
				<i>Oocystis lacustris</i> Chodat	28,736	0.70
				<i>Elakatothrix gelatinosa</i> Willen	50,288	1.11
				<i>Planctonema lauterbornii</i> Schmidle	28,736	7.22
				<i>Cosmarium</i> sp.	400	0.56
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.19
				<i>Staurodesmus paradoxum</i> Meyen	200	0.59
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	600	0.54
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	272,992	3.49
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	136,496	8.93
				<i>Chrysococcus</i> sp.	538,800	35.24
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	107,760	1.11
				<i>Spiniferomonas sirrata</i> *****	7,184	0.85
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.74
				<i>Dinobryon mucronutum</i> Nygaard	7,184	0.90
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	7,184	1.63
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	201,152	22.75
				<i>Chrysochromulina laurentiana</i> Kling	43,104	17.57
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.37
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.91
				<i>Cyclotella ocellata</i> Pant.	21,552	2.42
				<i>Fragilaria crotonensis</i> Kitton	400	0.14
				<i>Synedra acus</i> Kutzing	800	0.09
				<i>Asterionella formosa</i> Hassall	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
				<i>Cyclotella bodanica</i> Eulenz.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	208,336	31.42
				<i>Cryptomonas erosa</i> Ehrenberg	3,800	4.58
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Katablepharis ovalis</i> Skuja	7,184	0.36
			Dinophyceae	<i>Gymnodinium</i> sp.	1,200	13.94
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,000	7.96
MEL-0501	1	August	Cyanobacteria	<i>Snowella</i> sp	400	0.20
			Chlorophyceae	<i>Chlamydomonas</i> spp.	21,552	0.47
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.96
				<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Elakatothrix gelatinosa</i> Willen	107,760	1.86
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.81
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.37
				<i>Staurodesmus bullardii</i> G.M. Smith	200	0.50
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	400	0.95
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	200	0.48
				<i>Nephrocytium lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	589,088	7.54
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	100,576	6.58
				<i>Chrysococcus</i> sp.	610,640	39.94
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.56
				<i>Kephyrion</i> sp.	64,656	0.91
				<i>Spiniferomonas sirrata</i> *****	28,736	2.50
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.47
				<i>Dinobryon mucronutum</i> Nygaard	28,736	3.72
				<i>Dinobryon bavaricum</i> Imhof	50,288	11.38
				<i>Dinobryon bavaricum</i> Imhof	600	0.75
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	7,184	1.63

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	337,648	38.19
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	71,840	28.35
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.06
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	3.46
				<i>Cyclotella ocellata</i> Pant.	57,472	6.45
				<i>Synedra acus</i> Kutzing	1,400	0.16
				<i>Asterionella formosa</i> Hassall	1,200	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.41
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	352,016	50.87
				<i>Cryptomonas erosa</i> Ehrenberg	3,200	3.96
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.77
				<i>Cryptomonas rostratiformis</i> Skuja	800	1.17
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	3.14
				<i>Gymnodinium</i> sp.	1,200	12.23
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,000	3.98
MEL-0502	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.14
				<i>Sphaerocystis schroeteri</i> Chodat	28,736	0.96
				<i>Oocystis lacustris</i> Chodat	14,368	0.34
				<i>Elakatothrix gelatinosa</i> Willen	244,256	4.23
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.25
				<i>Cosmarium</i> sp.	400	0.56
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,400	0.67
				<i>Staurodesmus paradoxum</i> Meyen	400	2.21
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	380,752	4.87
				Large chrysophyceae	57,472	10.32
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	668,112	43.69
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Spiniferomonas sirrata</i> *****	28,736	3.41
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Mallomonas akrokomos</i> Asmund and Kristiansen	7,184	0.93
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.37
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.93
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	800	1.00
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	222,704	25.19
				<i>Chrysochromulina laurentiana</i> Kling	93,392	36.85
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.64
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,600	4.08
				<i>Cyclotella ocellata</i> Pant.	93,392	9.74
				<i>Fragilaria crotonensis</i> Kitton	400	0.13
				<i>Synedra acus</i> Kutzing	1,000	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	158,048	22.84
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.23
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,600	1.23
				<i>Cryptomonas rostratiformis</i> Skuja	600	0.88
				<i>Katablepharis ovalis</i> Skuja	21,552	0.99
			Dinophyceae	<i>Gymnodinium</i> sp.	800	10.32
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	2.79
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.14
				<i>Pediastrum duplex</i> Meyen	200	0.74
				<i>Oocystis lacustris</i> Chodat	28,736	0.69
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Cosmarium</i> sp.	600	0.84
				<i>Euastrum</i> spp.	200	1.50
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.48
				<i>Staurodesmus paradoxum</i> Meyen	400	2.32
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	400	0.97
				Small chrysophyceae	287,360	3.68

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0502	2	August	Chrysophyceae	Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	107,760	7.05
				<i>Chrysococcus</i> sp.	574,720	37.59
				<i>Chrysostephanospaera globulifera</i> Scherfffel	14,368	5.13
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Spiniferomonas sirrata</i> *****	50,288	5.97
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Mallomonas akrokomos</i> Asmund and Kristiansen	7,184	0.97
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.11
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.93
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	600	0.75
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	57,472	13.00
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	179,600	20.31
				<i>Chrysochromulina laurentiana</i> Kling	35,920	14.17
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.64
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	3.46
				<i>Cyclotella ocellata</i> Pant.	14,368	1.44
				<i>Fragilaria crotonensis</i> Kitton	400	0.13
				<i>Synedra acus</i> Kutzing	2,200	0.25
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	222,704	32.18
				<i>Cryptomonas erosa</i> Ehrenberg	3,400	4.20
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.31
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.29
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	800	10.32
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,600	5.18
MEL-0503	1	August	Chlorophyceae	<i>Pediastrum duplex</i> Meyen	200	0.84
				<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.19
				<i>Staurodesmus paradoxum</i> Meyen	400	2.21
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Tetraedron caudatum</i> (Corda) Hansgrig	7,184	0.03
				<i>Oocystis gigas</i> Archer	200	0.48
				<i>Nephrocytium lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	229,888	2.94
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	129,312	8.46
				<i>Chrysococcus</i> sp.	567,536	37.12
				<i>Kephyrion</i> sp.	57,472	0.81
				<i>Spiniferomonas sirrata</i> *****	7,184	1.08
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	21,552	1.11
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.17
				<i>Uroglena volvox</i> Ehrenberg	208,336	23.56
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	71,840	28.35
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.74
				<i>Pteridomonas</i> sp.	21,552	4.78
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.51
				<i>Cyclotella ocellata</i> Pant.	28,736	2.78
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.61
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	600	0.77
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Cyclotella michiganiana</i> Skvortzow	7,184	0.18
				<i>Cyclotella bodanica</i> Eulens.	400	2.82
				<i>Rhodomonas minuta</i> Skuja	229,888	33.22
				<i>Cryptomonas erosa</i> Ehrenberg	2,800	3.32

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.61
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	400	5.16
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	5.54
MEL-0504	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.39
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.41
				<i>Oocystis lacustris</i> Chodat	28,736	0.74
				<i>Elakatothrix gelatinosa</i> Willen	64,656	1.12
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.63
				<i>Cosmarium</i> sp.	400	1.88
				<i>Euastrum</i> spp.	400	0.74
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.19
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.41
			Chrysophyceae	Small chrysophyceae	510,064	6.53
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	129,312	8.46
				<i>Chrysococcus</i> sp.	524,432	34.30
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.65
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.93
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.43
				<i>Uroglena volvox</i> Ehrenberg	158,048	17.88
				<i>Chrysochromulina laurentiana</i> Kling	71,840	28.35
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.12
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,600	4.08
				<i>Cyclotella ocellata</i> Pant.	28,736	3.59
				<i>Fragilaria crotonensis</i> Kitton	2,400	0.80
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Asterionella formosa</i> Hassall	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.35
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	215,520	31.14
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.65
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.61
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.46
				<i>Gymnodinium</i> sp.	1,000	13.04
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,800	3.52
MEL-0505	1	August	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	35,920	1.20
				<i>Oocystis lacustris</i> Chodat	21,552	0.56
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25
				<i>Cosmarium</i> sp.	200	0.20
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.29
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	294,544	3.77
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	57,472	3.76
				<i>Chrysococcus</i> sp.	330,464	21.61
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	57,472	0.81
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Dinobryon borgei</i> Lemmermann	35,920	1.84
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	200	0.95
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	100,576	22.75
				<i>Uroglena volvox</i> Ehrenberg	237,072	26.81
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	43,104	2.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.63
				<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	3.77

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Cyclotella ocellata</i> Pant.	21,552	2.42
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	316,096	45.68
				<i>Cryptomonas erosa</i> Ehrenberg	4,200	4.92
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.46
				<i>Cryptomonas rostratiformis</i> Skuja	600	0.88
			Dinophyceae	<i>Gymnodinium</i> sp.	600	7.74
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.39
MEL-0301	1	August	Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	7,184	0.18
				<i>Oocystis lacustris</i> Chodat	57,472	1.49
				<i>Elakatothrix gelatinosa</i> Willen	28,736	0.50
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.18
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	400	0.21
				<i>Ankistrodesmus spiralis</i> Lemmermann	14,368	0.90
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	229,888	3.24
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	79,024	5.17
				<i>Chrysococcus</i> sp.	409,488	26.78
				<i>Chrysostephanospaera globulifera</i> Scherffel	21,552	7.18
				<i>Kephyrion</i> sp.	28,736	0.41
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.30
				<i>Dinobryon bavaricum</i> Imhof	2,000	2.50
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Uroglena volvox</i> Ehrenberg	136,496	15.44
				<i>Chrysochromulina laurentiana</i> Kling	107,760	42.52
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	122,128	3.38
				<i>Pteridomonas</i> sp.	7,184	0.80
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	3.27
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				<i>Synedra acus</i> Kutzing	1,400	0.16
				<i>Asterionella formosa</i> Hassall	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	172,416	24.91
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.17
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.60
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	5.30
				<i>Gymnodinium</i> sp.	1,400	16.26
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,000	5.94
MEL-0302	1	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.30
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.70
				<i>Oocystis lacustris</i> Chodat	21,552	0.56
				<i>Quadrigula closterioides</i> (Bohl.) Printz	7,184	0.17
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.46
				<i>Staurodesmus cuspidatus</i> (Brebisson and Ralfs) Teiling	200	0.14
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Ankistrodesmus spiralis</i> Lemmermann	14,368	0.90
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	287,360	4.05
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	488,512	31.95
				<i>Kephyrion</i> sp.	79,024	1.11
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.30
				<i>Dinobryon mucronutum</i> Nygaard	21,552	2.71
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	1,600	2.00
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Dinobryon sociale</i> Ehrenberg	7,184	1.63
				<i>Uroglena volvox</i> Ehrenberg	136,496	15.44
				<i>Chrysochromulina laurentiana</i> Kling	93,392	36.85
				<i>Stichogloea</i> spp.	28,736	1.45
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	93,392	2.59
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	3.27
				<i>Cyclotella ocellata</i> Pant.	14,368	1.61
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	600	0.50
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				<i>Synedra acus</i> Kutzing	1,200	0.14
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	237,072	34.26
				<i>Cryptomonas erosa</i> Ehrenberg	1,000	1.18
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Katablepharis ovalis</i> Skuja	14,368	0.66
			Dinophyceae	<i>Gymnodinium</i> sp.	2,200	25.56
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	4.75
MEL-0302	2	August	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.30
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.18
				<i>Oocystis lacustris</i> Chodat	21,552	0.56
				<i>Elakatothrix gelatinosa</i> Willen	100,576	1.74
				<i>Planctonema lauterbornii</i> Schmidle	21,552	5.42
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.46
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.45
				<i>Oocystis gigas</i> Archer	200	0.48
				<i>Nephrocytiun lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	114,944	1.62
				Large chrysophyceae	64,656	11.61
				<i>Chrysochromulina parva</i> Lackey	122,128	7.99
				<i>Chrysococcus</i> sp.	416,672	27.25
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.39
				<i>Kephyrion</i> sp.	57,472	0.81
				<i>Spiniferomonas sirrata</i> *****	35,920	4.06
				<i>Dinobryon mucronutom</i> Nygaard	21,552	2.71
				<i>Dinobryon bavaricum</i> Imhof	800	1.00
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	4.07
				<i>Dinobryon sociale</i> Ehrenberg	71,840	16.25
				<i>Uroglena volvox</i> Ehrenberg	186,784	21.13
				<i>Chrysochromulina laurentiana</i> Kling	71,840	28.35
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	107,760	2.98
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.91
				<i>Cyclotella ocellata</i> Pant.	57,472	6.45
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	200	0.17
				<i>Fragilaria crotonensis</i> Kitton	800	0.27
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	143,680	20.76
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.12
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	14,368	4.91
				<i>Gymnodinium</i> sp.	1,600	18.59
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,400	4.75
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.63
				<i>Sphaerocystis schroeteri</i> Chodat	7,184	0.18
				<i>Oocystis lacustris</i> Chodat	14,368	0.37
				<i>Elakatothrix gelatinosa</i> Willen	86,208	1.49
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.61
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Staurodesmus paradoxum</i> Meyen	200	0.52
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
			Euglenophyceae	<i>Trachelomonas hispida</i> (Perty) Stein	200	2.08
				Small chrysophyceae	352,016	4.96
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	481,328	31.48
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	28,736	0.41
				<i>Spiniferomonas sirrata</i> *****	28,736	3.41
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.61
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0303	1	August	Chrysophyceae	<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.98
				<i>Uroglena volvox</i> Ehrenberg	193,968	21.94
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Bicoeca lacustris</i> Clark	7,184	0.37
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	64,656	1.79
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.82
				<i>Cyclotella ocellata</i> Pant.	21,552	2.25
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				<i>Synedra acus</i> Kutzing	400	0.05
				<i>Asterionella formosa</i> Hassall	400	0.04
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	136,496	19.72
				<i>Cryptomonas erosa</i> Ehrenberg	2,200	2.65
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium</i> sp.	1,400	16.26
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	4.35
MEL-0304	1	August	Cyanobacteria	<i>Snowella</i> sp	200	0.10
			Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	0.96
				<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Dictyosphaerium simplex</i> Sukja	14,368	0.06
				<i>Elakatothrix gelatinosa</i> Willen	35,920	0.62
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.09
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
				<i>Botryococcus braunii</i> Kutzing	600	0.54
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.45
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	308,912	4.36
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	136,496	8.93
				<i>Chrysococcus</i> sp.	445,408	29.13
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	107,760	1.52
				<i>Spiniferomonas sirrata</i> *****	14,368	1.71
				<i>Mallomonas crassisquama</i> (Asmund) Fott	600	0.62
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.22
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	1,800	2.25
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	50,288	11.38
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	265,808	30.06
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	100,576	39.69
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	93,392	2.42
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,000	1.82
				<i>Cyclotella ocellata</i> Pant.	21,552	2.25
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.56
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,400	1.99
				<i>Synedra acus</i> Kutzing	1,000	0.12
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	122,128	17.65
				<i>Cryptomonas erosa</i> Ehrenberg	800	0.97
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	1,000	0.73
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.31
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.55
				<i>Gymnodinium</i> sp.	200	2.35
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,600	7.13
			Cyanobacteria	<i>Anabaena solitaria</i> Klebs	200	0.93
			Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Planctonema lauterbornii</i> Schmidle	35,920	9.03
				<i>Cosmarium</i> sp.	200	0.94
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.46
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Ankistrodesmus spiralis</i> Lemmermann	7,184	0.45
				<i>Oocystis gigas</i> Archer	400	0.97
				Small chrysophyceae	287,360	4.05
				Large chrysophyceae	14,368	2.58

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0305	1	August	Chrysophyceae	<i>Chrysochromulina parva</i> Lackey	100,576	6.58
				<i>Chrysococcus</i> sp.	718,400	46.98
				<i>Kephyrion boreale</i> Skuja	7,184	0.81
				<i>Kephyrion</i> sp.	57,472	0.81
				<i>Spiniferomonas sirrata</i> *****	21,552	2.56
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.42
				<i>Dinobryon borgei</i> Lemmermann	337,648	14.32
				<i>Dinobryon bavaricum</i> Imhof	2,800	3.50
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	43,104	9.75
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	86,208	9.75
				<i>Chrysochromulina laurentiana</i> Kling	86,208	35.15
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	129,312	3.35
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	1.88
				<i>Cyclotella ocellata</i> Pant.	21,552	2.25
				<i>Rhizosolenia erienze</i> H.L. Smith	14,368	0.91
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	7,600	6.30
				<i>Fragilaria crotonensis</i> Kitton	400	0.14
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.53
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	215,520	31.14
				<i>Cryptomonas erosa</i> Ehrenberg	1,800	2.17
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	200	0.15
				<i>Cryptomonas rostratiformis</i> Skuja	400	0.59
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	1,800	21.14
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,200	6.33
MEL-0401	1	August	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	28,736	0.96
				<i>Pediastrum duplex</i> Meyen	200	0.92
				<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Elakatothrix gelatinosa</i> Willen	86,208	1.49
				<i>Cosmarium</i> sp.	600	0.84
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.37
				<i>Staurodesmus paradoxum</i> Meyen	200	0.64
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	200	0.38
				<i>Botryococcus braunii</i> Kutzing	400	0.36
				<i>Oocystis gigas</i> Archer	200	0.48
				<i>Monomastix minuta</i> Skuja	7,184	0.14
			Chrysophyceae	Small chrysophyceae	265,808	2.74
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	79,024	5.17
				<i>Chrysococcus</i> sp.	625,008	40.88
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	71,840	0.92
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.62
				<i>Dinobryon bavaricum</i> Imhof	400	0.50
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	14,368	3.25
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.38
				<i>Ochromonas</i> sp.	7,184	0.55
				<i>Uroglena volvox</i> Ehrenberg	86,208	9.75
				<i>Chrysochromulina laurentiana</i> Kling	57,472	22.68
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	50,288	1.21
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	3.27
				<i>Cyclotella ocellata</i> Pant.	28,736	2.20
				<i>Rhizosolenia erienze</i> H.L. Smith	7,184	0.61
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.24
				<i>Synedra acus</i> Kutzing	600	0.07
				<i>Asterionella formosa</i> Hassall	1,600	0.17
				<i>Cyclotella michiganiana</i> Skvortzow	7,184	0.17
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	316,096	45.68
				<i>Cryptomonas erosa</i> Ehrenberg	2,400	2.90
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
			Dinophyceae	<i>Gymnodinium</i> sp.	400	4.70
				<i>Peridinium pusillum</i> (Penard) Lemmermann	600	1.19
			Cyanobacteria	<i>Chroococcus turgidus</i> (Kutzing) Nageli	57,472	19.26
				<i>Chlamydomonas</i> spp.	7,184	0.36

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0402	1	August	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Elakatothrix gelatinosa</i> Willen	93,392	1.62
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.25
				<i>Cosmarium</i> sp.	800	1.12
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.19
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Nephrocytiun lunatum</i> W. West	400	1.07
			Chrysophyceae	Small chrysophyceae	452,592	5.79
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	114,944	7.52
				<i>Chrysococcus</i> sp.	510,064	33.36
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.39
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	86,208	1.10
				<i>Spiniferomonas sirrata</i> *****	35,920	4.06
				<i>Dinobryon mucronutom</i> Nygaard	14,368	1.81
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Dinobryon sociale</i> Ehrenberg	64,656	14.63
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	7,184	0.20
				<i>Uroglena volvox</i> Ehrenberg	57,472	6.50
				<i>Chrysochromulina laurentiana</i> Kling	64,656	25.51
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.52
				<i>Pteridomonas</i> sp.	7,184	1.71
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	5.46
				<i>Cyclotella ocellata</i> Pant.	35,920	4.03
				<i>Fragilaria crotonensis</i> Kitton	200	0.07
				Large diatoms	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.33
				<i>Cyclotella bodanica</i> Eulenst.	200	1.45
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	222,704	32.18
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.69
				<i>Cryptomonas erosa</i> Ehrenberg	400	3.13
				<i>Katablepharis ovalis</i> Skuja	7,184	0.34
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.58
MEL-0403	1	August	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	14,368	0.48
				<i>Dictyosphaerium simplex</i> Sukja	28,736	0.12
				<i>Elakatothrix gelatinosa</i> Willen	57,472	0.99
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.63
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	600	0.27
				<i>Staurodesmus paradoxum</i> Meyen	200	0.82
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	7,184	0.27
				<i>Botryococcus braunii</i> Kutzing	400	0.36
			Chrysophyceae	Small chrysophyceae	452,592	4.66
				Large chrysophyceae	35,920	6.45
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	553,168	36.18
				<i>Kephyrion</i> sp.	93,392	1.20
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Dinobryon borgei</i> Lemmermann	43,104	1.83
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	200	0.68
				<i>Dinobryon sociale</i> Ehrenberg	28,736	6.50
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.60
				<i>Uroglena volvox</i> Ehrenberg	50,288	5.69
				<i>Chrysochromulina laurentiana</i> Kling	86,208	34.02
				<i>Bicoeca lacustris</i> Clark	7,184	0.37
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	0.86
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	4.36
				<i>Cyclotella ocellata</i> Pant.	14,368	1.10
				<i>Synedra acus</i> Kutzing	600	0.07
				<i>Asterionella formosa</i> Hassall	600	0.06
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.33
				<i>Cyclotella bodanica</i> Eulenst.	600	3.51
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	359,200	51.90
				<i>Cryptomonas erosa</i> Ehrenberg	1,600	1.93
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	800	0.61
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
				<i>Katablepharis ovalis</i> Skuja	7,184	0.33
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	200	2.35

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.19
MEL-0404	1	August	Cyanobacteria	<i>Chroococcus turgidus</i> (Kutzing) Nageli	114,944	38.52
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.96
				<i>Oocystis lacustris</i> Chodat	50,288	1.30
				<i>Monoraphidium minutum</i> (Nag.) Komarkova-Legnerova	7,184	0.41
				<i>Elakatothrix gelatinosa</i> Willen	86,208	1.49
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.25
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.55
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	35,920	1.35
				<i>Botryococcus braunii</i> Kutzing	200	0.18
				<i>Nephrocytium lunatum</i> W. West	200	0.54
			Chrysophyceae	Small chrysophyceae	402,304	4.14
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	122,128	7.99
				<i>Chrysococcus</i> sp.	660,928	43.22
				<i>Kephyrion</i> sp.	114,944	1.47
				<i>Spiniferomonas sirrata</i> *****	21,552	2.44
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.21
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.92
				<i>Dinobryon bavaricum</i> Imhof	400	0.50
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	35,920	8.13
				<i>Uroglena volvox</i> Ehrenberg	93,392	10.56
				<i>Chrysochromulina laurentiana</i> Kling	93,392	36.85
				<i>Stichogloea</i> spp.	14,368	0.72
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.03
				<i>Pteridomonas</i> sp.	28,736	6.84
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,000	5.46
				<i>Cyclotella ocellata</i> Pant.	28,736	2.20
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.48
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.83
				<i>Cyclotella bodanica</i> Eulens.	200	1.24
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	208,336	30.10
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.66
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	400	0.29
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	7,184	2.55
				<i>Gymnodinium</i> sp.	400	4.70
MEL-0405	1	August	Cyanobacteria	<i>Aphanocapsa delicatissima</i> W. and G.S. West	200	0.43
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.17
				<i>Sphaerocystis Schroeteri</i> Chodat	28,736	0.96
				<i>Oocystis lacustris</i> Chodat	64,656	1.67
				<i>Elakatothrix gelatinosa</i> Willen	43,104	0.75
				<i>Planctonema lauterbornii</i> Schmidle	14,368	3.25
				<i>Cosmarium</i> sp.	400	0.56
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,000	0.46
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	21,552	0.81
			Chrysophyceae	Small chrysophyceae	366,384	3.77
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	100,576	6.58
				<i>Chrysococcus</i> sp.	553,168	36.18
				<i>Kephyrion boreale</i> Skuja	7,184	0.85
				<i>Kephyrion</i> sp.	136,496	1.75
				<i>Spiniferomonas sirrata</i> *****	14,368	1.63
				<i>Mallomonas crassisquama</i> (Asmund) Fott	800	0.84
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.62
				<i>Dinobryon mucronutum</i> Nygaard	14,368	1.81
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	200	0.25
				<i>Dinobryon sertularia</i> Ehrenberg	600	2.03
				<i>Dinobryon sociale</i> Ehrenberg	71,840	16.25
				<i>Uroglena volvox</i> Ehrenberg	150,864	17.06
				<i>Chrysochromulina laurentiana</i> Kling	86,208	34.02
				<i>Stichogloea</i> spp.	50,288	2.53
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	136,496	3.28
				<i>Pteridomonas</i> sp.	21,552	5.13
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,200	2.18
				<i>Cyclotella ocellata</i> Pant.	14,368	1.10
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Asterionella formosa</i> Hassall	1,400	0.15
				<i>Cyclotella michiganiana</i> Skvortzow	21,552	0.50
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	229,888	33.22
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.45

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Cryptophyceae	<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.46
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.30
			Dinophyceae	<i>Gymnodinium</i> sp.	1,000	11.74
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,200	2.39
MEL-0301	1	September	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	35,920	1.08
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	200	0.28
				<i>Euastrum</i> spp.	200	0.37
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
			Chrysophyceae	Small chrysophyceae	122,128	1.72
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	21,552	1.41
				<i>Chrysococcus</i> sp.	711,216	41.18
				<i>Chrysostephanospaera globulifera</i> Scherffell	14,368	4.78
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	21,552	0.20
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98
				<i>Dinobryon borgei</i> Lemmermann	14,368	0.62
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon sertularia</i> Ehrenberg	71,840	16.25
				<i>Dinobryon sertularia</i> Ehrenberg	400	1.36
				<i>Epiphyxis</i> sp.	28,736	2.19
				<i>Chrysochromulina laurentiana</i> Kling	57,472	22.68
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	100,576	3.24
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	6.60
				<i>Cyclotella ocellata</i> Pant.	43,104	5.38
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	800	1.07
				<i>Fragilaria crotonensis</i> Kitton	800	0.25
				<i>Synedra acus</i> Kutzing	1,400	0.15
				<i>Asterionella formosa</i> Hassall	5,600	0.59
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
				<i>Cyclotella bodanica</i> Eulenst.	600	4.63
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	136,496	18.86
				<i>Cryptomonas erosa</i> Ehrenberg	600	0.78
Dinophyceae	<i>Gymnodinium</i> sp.	800	8.24			
	<i>Peridinium pusillum</i> (Penard) Lemmermann	1,400	3.48			
MEL-0302	1	September	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	28,736	0.87
				<i>Planctonema lauterbornii</i> Schmidle	7,184	1.63
				<i>Cosmarium</i> sp.	200	0.28
			Chrysophyceae	Small chrysophyceae	136,496	1.92
				Large chrysophyceae	57,472	10.32
				<i>Chrysochromulina parva</i> Lackey	28,736	1.88
				<i>Chrysococcus</i> sp.	366,384	21.21
				<i>Kephyrion</i> sp.	21,552	0.20
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	7,184	1.63
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	200	1.02
				<i>Ochromonas</i> sp.	14,368	0.88
				<i>Chrysochromulina laurentiana</i> Kling	43,104	17.01
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	251,440	8.10
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,200	5.03
				<i>Cyclotella ocellata</i> Pant.	7,184	0.90
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	200	0.27
				<i>Synedra acus</i> Kutzing	200	0.02
				<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	1.47
				<i>Asterionella formosa</i> Hassall	1,800	0.19
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.41
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	14,368	1.99
				<i>Cryptomonas erosa</i> Ehrenberg	1,000	1.31
				<i>Katablepharis ovalis</i> Skuja	64,656	2.34
			Dinophyceae	<i>Gymnodinium</i> sp.	200	2.06
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	1.99
			Cyanobacteria	<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Oocystis lacustris</i> Chodat	50,288	1.52
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,200	0.46
				<i>Staurodesmus paradoxum</i> Meyen	200	1.05
				<i>Botryococcus braunii</i> Kutzing	400	0.21
				Small chrysophyceae	193,968	2.73
	Large chrysophyceae	7,184	1.29			

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0303	1	September	Chrysophyceae	<i>Chrysochromulina parva</i> Lackey	64,656	4.23
				<i>Chrysococcus</i> sp.	524,432	30.36
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	4.78
				<i>Kephyrion</i> sp.	35,920	0.88
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.90
				<i>Dinobryon bavaricum</i> Imhof	57,472	13.00
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	800	1.00
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	86,208	2.78
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	6.60
				<i>Cyclotella ocellata</i> Pant.	7,184	0.90
				<i>Fragilaria crotonensis</i> Kitton	200	0.06
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	1,800	0.19
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
				<i>Cyclotella bodanica</i> Eulenst.	200	1.41
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	5.96
				<i>Cryptomonas erosa</i> Ehrenberg	600	0.78
			Dinophyceae	<i>Gymnodinium</i> sp.	200	2.06
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,400	10.92
MEL-0304	1	September	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	35,920	0.56
				<i>Oocystis lacustris</i> Chodat	28,736	0.87
				<i>Planctonema lauterbornii</i> Schmidle	28,736	6.50
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	1,400	0.54
				<i>Botryococcus braunii</i> Kutzing	200	0.10
			Chrysophyceae	Small chrysophyceae	100,576	1.42
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	28,736	1.88
				<i>Chrysococcus</i> sp.	395,120	22.88
				<i>Kephyrion</i> sp.	35,920	0.88
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,600	11.62
				<i>Chrysochromulina laurentiana</i> Kling	100,576	39.69
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.93
				<i>Pteridomonas</i> sp.	7,184	1.38
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,600	2.51
				<i>Cyclotella ocellata</i> Pant.	35,920	4.49
				<i>Fragilaria crotonensis</i> Kitton	200	0.06
				<i>Synedra acus</i> Kutzing	1,400	0.15
				<i>Asterionella formosa</i> Hassall	2,200	0.23
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
				<i>Cyclotella bodanica</i> Eulenst.	400	3.09
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	28,736	3.97
				<i>Cryptomonas erosa</i> Ehrenberg	1,000	1.31
			Dinophyceae	<i>Gymnodinium</i> sp.	1,600	16.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	3.97
MEL-0305	1	September	Chlorophyceae	<i>Elakatothrix gelatinosa</i> Willen	35,920	0.68
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	600	0.84
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.14
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	28,736	1.08
			Chrysophyceae	Small chrysophyceae	208,336	2.94
				Large chrysophyceae	64,656	11.61
				<i>Chrysochromulina parva</i> Lackey	35,920	2.35
				<i>Chrysococcus</i> sp.	466,960	27.04
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	107,760	0.99
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	6.10
				<i>Chrysochromulina laurentiana</i> Kling	86,208	34.02
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	14,368	0.46
				<i>Cyclotella stelligera</i> Cleve and Grunow	2,400	3.77
				<i>Cyclotella ocellata</i> Pant.	50,288	6.28
				<i>Rhizosolenia eriense</i> H.L. Smith	7,184	0.56

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria flocculsa</i> (Roth) Kutzing	600	0.80
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.45
				<i>Synedra acus</i> Kutzing	600	0.06
				<i>Asterionella formosa</i> Hassall	2,000	0.21
				<i>Cyclotella michiganiana</i> Skvortzow	50,288	1.23
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	8.94
				<i>Cryptomonas erosa</i> Ehrenberg	800	1.05
				<i>Cryptomonas reflexa</i> (Marsson) Skuja	600	0.41
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	1,000	10.31
MEL-0101	1	September	Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	57,472	0.53
				<i>Oocystis lacustris</i> Chodat	21,552	0.57
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	200	0.94
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Botryococcus braunii</i> Kutzing	800	0.42
			Euglenophyceae	<i>Euglena acus</i> Ehrenberg	200	1.19
			Chrysophyceae	Small chrysophyceae	122,128	1.72
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	86,208	5.64
				<i>Chrysococcus</i> sp.	445,408	22.72
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.56
				<i>Kephyrion</i> sp.	7,184	0.11
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.39
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	800	1.59
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	431,040	13.88
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	2.83
				<i>Rhizosolenia erianse</i> H.L. Smith	50,288	3.91
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	4,600	3.73
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	11,000	18.06
				<i>Fragilaria crotonensis</i> Kitton	4,200	1.27
				<i>Synedra acus</i> Kutzing	3,800	0.38
				<i>Asterionella formosa</i> Hassall	133,200	13.81
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	158,048	21.84
				<i>Cryptomonas erosa</i> Ehrenberg	600	0.78
				<i>Katablepharis ovalis</i> Skuja	14,368	0.52
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	200	2.83
				<i>Peridinium pusillum</i> (Penard) Lemmermann	800	2.83
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
MEL-0101	2	September	Chlorophyceae	<i>Carteria</i> spp.	7,184	2.65
				<i>Chlamydomonas</i> spp.	7,184	0.24
				<i>Sphaerocystis Schroeteri</i> Chodat	50,288	0.46
				<i>Oocystis lacustris</i> Chodat	50,288	1.33
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	50,288	11.38
				<i>Cosmarium</i> sp.	200	0.28
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Staurodesmus paradoxum</i> Meyen	400	0.42
				<i>Botryococcus braunii</i> Kutzing	1,400	0.73
			Chrysophyceae	Small chrysophyceae	57,472	0.81
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	50,288	3.29
				<i>Chrysococcus</i> sp.	502,880	25.65
				<i>Chrysostephanospaera globulifera</i> Scherffel	14,368	5.13
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.35
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon bavaricum v vanhoeffenii</i> (Bachmann) Krieger	7,184	2.88
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	1.99
				<i>Chrysochromulina laurentiana</i> Kling	43,104	17.01
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	229,888	7.40
				<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	3.46
				<i>Cyclotella ocellata</i> Pant.	7,184	0.90
				<i>Rhizosolenia erianse</i> H.L. Smith	28,736	2.24
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	9,400	7.62

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria flocculsa</i> (Roth) Kutzing	7,200	11.82
				<i>Fragilaria crotonensis</i> Kitton	2,200	0.66
				<i>Synedra acus</i> Kutzing	3,400	0.34
				<i>Asterionella formosa</i> Hassall	139,800	14.50
				<i>Cyclotella michiganiana</i> Skvortzow	28,736	0.70
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	43,104	5.96
				<i>Cryptomonas erosa</i> Ehrenberg	200	0.26
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	200	2.83
MEL-0102	1	September	Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	100,576	0.93
				<i>Oocystis lacustris</i> Chodat	43,104	1.14
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	50,288	11.38
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.08
				<i>Botryococcus braunii</i> Kutzing	200	0.10
			Chrysophyceae	Small chrysophyceae	43,104	0.61
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	43,104	2.82
				<i>Chrysococcus</i> sp.	495,696	25.28
				<i>Chrysostephanospaera globulifera</i> Scherffell	14,368	4.15
				<i>Kephyrion boreale</i> Skuja	7,184	0.77
				<i>Kephyrion</i> sp.	7,184	0.11
				<i>Spiniferomonas sirrata</i> *****	21,552	1.98
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.31
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	400	0.80
				<i>Dinobryon bavaricum</i> v <i>vanhoeffenii</i> (Bachmann) Krieger	14,368	5.75
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	1.99
				<i>Chrysochromulina laurentiana</i> Kling	57,472	22.68
				<i>Stichogloea</i> spp.	35,920	1.81
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	646,560	20.82
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	1,800	2.83
				<i>Cyclotella ocellata</i> Pant.	7,184	0.90
				<i>Rhizosolenia erianse</i> H.L. Smith	35,920	2.79
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	3,600	2.92
				<i>Fragilaria crotonensis</i> Kitton	6,400	1.98
				<i>Synedra acus</i> Kutzing	7,200	0.72
				<i>Asterionella formosa</i> Hassall	130,400	13.52
				<i>Cyclotella michiganiana</i> Skvortzow	35,920	0.88
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	71,840	9.93
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.57
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.41
				<i>Katablepharis ovalis</i> Skuja	7,184	0.26
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.81
				<i>Gymnodinium</i> sp.	200	2.83
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,200	14.85
				<i>Peridinium aciculiferum</i> Lemmermann	400	3.62
MEL-0103	1	September	Cyanobacteria	<i>Snowella</i> sp	200	0.15
			Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	35,920	0.33
				<i>Oocystis lacustris</i> Chodat	79,024	2.09
				<i>Elakatothrix gelatinosa</i> Willen	14,368	0.25
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Staurodesmus extensus</i> (Andersson) Teiling	800	0.29
			Chrysophyceae	Small chrysophyceae	64,656	0.91
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	14,368	0.94
				<i>Chrysococcus</i> sp.	510,064	26.01
				<i>Chrysostephanospaera globulifera</i> Scherffell	7,184	2.56
				<i>Kephyrion</i> sp.	7,184	0.11
				<i>Kephyrion</i> sp.	7,184	0.81
				<i>Spiniferomonas sirrata</i> *****	14,368	1.32
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	600	1.19
				<i>Epiphyxis</i> sp.	43,104	3.25
				<i>Chrysochromulina laurentiana</i> Kling	28,736	11.34
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	538,800	17.35
				<i>Cyclotella stelligera</i> Cleve and Grunow	2,200	3.46
				<i>Cyclotella ocellata</i> Pant.	7,184	0.90
				<i>Rhizosolenia erianse</i> H.L. Smith	14,368	1.12
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	14,600	11.83

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Fragilaria crotonensis</i> Kitton	3,600	1.12
				<i>Synedra acus</i> Kutzing	7,400	0.74
				<i>Asterionella formosa</i> Hassall	133,600	13.85
				<i>Cyclotella michiganiana</i> Skvortzow	14,368	0.35
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	79,024	10.92
				<i>Cryptomonas erosa</i> Ehrenberg	200	0.26
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.41
				<i>Katablepharis ovalis</i> Skuja	7,184	0.26
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	400	9.42
				<i>Gymnodinium</i> sp.	1,000	14.14
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,800	13.43
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL-0104	1	September	Chlorophyceae	<i>Sphaerocystis Schroeteri</i> Chodat	193,968	3.03
				<i>Oocystis lacustris</i> Chodat	21,552	0.61
				<i>Elakatothrix gelatinosa</i> Willen	7,184	0.12
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.09
				<i>Staurodesmus paradoxum</i> Meyen	200	0.55
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	43,104	0.61
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	93,392	6.11
				<i>Chrysococcus</i> sp.	359,200	18.32
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.39
				<i>Kephyrion boreale</i> Skuja	14,368	1.71
				<i>Kephyrion</i> sp.	28,736	0.45
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	57,472	13.00
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Chrysochromulina laurentiana</i> Kling	79,024	31.18
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	768,688	24.75
				<i>Pteridomonas</i> sp.	7,184	1.59
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	800	1.45
				<i>Rhizosolenia erianse</i> H.L. Smith	21,552	1.68
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	5,200	4.21
				<i>Tabellaria flocculsa</i> (Roth) Kutzing	3,200	4.93
				<i>Fragilaria crotonensis</i> Kitton	3,000	0.95
				<i>Synedra acus</i> Kutzing	5,400	0.54
				<i>Asterionella formosa</i> Hassall	166,400	17.26
				<i>Cyclotella michiganiana</i> Skvortzow	43,104	1.06
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	107,760	14.89
				<i>Cryptomonas erosa</i> Ehrenberg	600	0.78
				<i>Katablepharis ovalis</i> Skuja	7,184	0.26
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	600	14.14
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium i</i>	400	5.65
				<i>Peridinium willei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	1,600	5.66
				<i>Peridinium aciculiferum</i> Lemmermann	200	1.81
MEL-0105	1	September	Bacillariophyceae	<i>Chlamydomonas</i> spp.	43,104	1.42
				<i>Sphaerocystis Schroeteri</i> Chodat	86,208	0.79
				<i>Oocystis lacustris</i> Chodat	107,760	2.84
				<i>Crucigenia quadrata</i> Morr.	28,736	0.14
				<i>Planctonema lauterbornii</i> Schmidle	50,288	11.38
				<i>Cosmarium</i> sp.	200	0.94
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.16
				<i>Spondylosium planum</i> (Wolle) W. and G.S. West	14,368	0.54
				<i>Mougeotia</i> sp.	1,200	3.00
				<i>Botryococcus braunii</i> Kutzing	400	0.21
			Chrysophyceae	Small chrysophyceae	57,472	0.81
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	7,184	0.47
				<i>Chrysococcus</i> sp.	258,624	13.19
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.56
				<i>Kephyrion</i> sp.	7,184	0.11
				<i>Dinobryon bavaricum</i> Imhof	21,552	4.88
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	35,920	8.13
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Chrysochromulina laurentiana</i> Kling	43,104	17.01
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	330,464	10.64
				<i>Cyclotella ocellata</i> Pant.	7,184	0.78
				<i>Rhizosolenia erianse</i> H.L. Smith	14,368	1.12
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	8,400	6.81

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
			Bacillariophyceae	<i>Tabellaria flocculsa</i> (Roth) Kutzing	2,400	3.94
				<i>Fragilaria crotonensis</i> Kitton	4,400	1.33
				<i>Synedra acus</i> Kutzing	4,000	0.40
				<i>Asterionella formosa</i> Hassall	136,000	14.10
				<i>Cyclotella michiganiana</i> Skvortzow	7,184	0.18
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	35,920	4.96
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.83
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.41
				<i>Katablepharis ovalis</i> Skuja	7,184	0.26
			Dinophyceae	<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	1,600	22.62
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,000	10.61
MEL-0201	1	September	Cyanobacteria	<i>Planktolyngbya limnetica</i>	200	0.05
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.36
				<i>Oocystis lacustris</i> Chodat	50,288	1.44
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	600	0.84
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.15
				<i>Botryococcus braunii</i> Kutzing	200	0.10
				<i>Oocystis gigas</i> Archer	400	0.97
			Chrysophyceae	Small chrysophyceae	79,024	1.11
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	14,368	0.94
				<i>Chrysococcus</i> sp.	431,040	21.98
				<i>Kephyrion</i> sp.	14,368	0.25
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Dinobryon borgei</i> Lemmermann	28,736	1.23
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	50,288	11.38
				<i>Dinobryon sertularia</i> Ehrenberg	400	0.80
				<i>Epiphyxis</i> sp.	7,184	0.54
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	21,552	0.60
				<i>Chrysochromulina laurentiana</i> Kling	64,656	25.51
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.39
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,000	9.42
				<i>Cyclotella ocellata</i> Pant.	21,552	2.25
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.32
				<i>Fragilaria crotonensis</i> Kitton	600	0.19
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	19,800	2.09
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.94
				<i>Cyclotella bodanica</i> Eulenst.	1,400	10.80
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	50,288	6.95
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.83
			Dinophyceae	<i>Gymnodinium</i> sp.	600	6.18
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	6.71
				<i>Peridinium wisconsinense</i> Eddy	200	4.49
MEL-0202	1	September	Chlorophyceae	<i>Oocystis lacustris</i> Chodat	14,368	0.38
				<i>Planctonema lauterbornii</i> Schmidle	50,288	11.38
				<i>Closterium</i> sp.	200	0.30
			Chrysophyceae	Small chrysophyceae	136,496	1.92
				Large chrysophyceae	28,736	5.16
				<i>Chrysochromulina parva</i> Lackey	35,920	2.35
				<i>Chrysococcus</i> sp.	359,200	18.32
				<i>Kephyrion</i> sp.	28,736	0.49
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.20
				<i>Dinobryon bavaricum</i> Imhof	43,104	9.75
				<i>Dinobryon bavaricum</i> Imhof	600	2.03
				<i>Dinobryon sertularia</i> Ehrenberg	28,736	6.50
				<i>Dinobryon sertularia</i> Ehrenberg	1,000	5.09
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	35,920	0.94
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	57,472	22.68
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	21,552	0.69
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,800	5.97
				<i>Cyclotella ocellata</i> Pant.	43,104	4.50
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	400	0.32
				<i>Synedra acus</i> Kutzing	400	0.04
				<i>Asterionella formosa</i> Hassall	14,200	1.50
				<i>Cyclotella michiganiana</i> Skvortzow	143,680	3.12
				<i>Cyclotella bodanica</i> Eulenst.	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	28,736	3.97
				<i>Cryptomonas erosa</i> Ehrenberg	800	1.05
			Dinophyceae	<i>Gymnodinium</i> sp.	400	4.12
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,200	5.27
			Cyanobacteria	<i>Snowella</i> sp	200	0.14

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0203	1	September	Chlorophyceae	<i>Sphaerocystis schroeteri</i> Chodat	35,920	0.56
				<i>Oocystis lacustris</i> Chodat	21,552	0.57
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	800	1.12
				<i>Staurodesmus paradoxum</i> Meyen	600	2.45
				<i>Botryococcus braunii</i> Kutzing	800	0.42
				<i>Zygnema</i> sp.	600	1.97
			Chrysophyceae	Small chrysophyceae	64,656	0.91
				Large chrysophyceae	21,552	3.87
				<i>Chrysochromulina parva</i> Lackey	57,472	3.76
				<i>Chrysococcus</i> sp.	510,064	26.01
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.39
				<i>Kephyrion</i> sp.	28,736	0.49
				<i>Mallomonas caudata</i> Ivanov	400	2.14
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.20
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.95
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.86
				<i>Dinobryon bavaricum</i> Imhof	71,840	16.25
				<i>Dinobryon bavaricum</i> Imhof	800	1.59
				<i>Dinobryon sertularia</i> Ehrenberg	7,184	1.63
				<i>Dinobryon sertularia</i> Ehrenberg	2,000	6.78
				<i>Chrysolkos skuja</i> (Nauwerck) Willen	14,368	0.39
				<i>Uroglena volvox</i> Ehrenberg	28,736	3.25
				<i>Chrysochromulina laurentiana</i> Kling	35,920	14.17
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	43,104	1.39
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	6,600	10.37
				<i>Cyclotella ocellata</i> Pant.	28,736	3.00
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	800	0.65
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.45
				<i>Synedra acus</i> Kutzing	1,200	0.12
				<i>Asterionella formosa</i> Hassall	16,000	1.69
				<i>Cyclotella michiganiana</i> Skvortzow	79,024	1.51
				<i>Cyclotella bodanica</i> Eulenst.	1,000	7.72
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	50,288	6.95
				<i>Cryptomonas erosa</i> Ehrenberg	2,000	2.61
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	14,368	5.30
				<i>Gymnodinium</i> sp.	400	4.12
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	8.14
MEL-0204	1	September	Cyanobacteria	<i>Planktolyngbya limnetica</i>	200	0.02
			Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.85
				<i>Sphaerocystis schroeteri</i> Chodat	21,552	0.34
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Cosmarium</i> sp.	600	0.84
				<i>Staurodesmus extensus</i> (Andersson) Teiling	200	0.07
				<i>Staurodesmus paradoxum</i> Meyen	200	0.37
				<i>Botryococcus braunii</i> Kutzing	200	0.10
			Chrysophyceae	Small chrysophyceae	28,736	0.41
				Large chrysophyceae	14,368	2.58
				<i>Chrysochromulina parva</i> Lackey	7,184	0.47
				<i>Chrysococcus</i> sp.	524,432	26.75
				<i>Chrysostephanospaera globulifera</i> Scherfffel	7,184	2.56
				<i>Kephyrion</i> sp.	21,552	0.37
				<i>Dinobryon borgei</i> Lemmermann	7,184	0.32
				<i>Dinobryon mucronutom</i> Nygaard	7,184	0.86
				<i>Dinobryon bavaricum</i> Imhof	35,920	8.13
				<i>Dinobryon bavaricum</i> Imhof	600	1.19
				<i>Dinobryon sertularia</i> Ehrenberg	14,368	3.25
				<i>Dinobryon sertularia</i> Ehrenberg	1,600	3.19
				<i>Bitrichia chodatii</i> (Reverdin) Chodat	7,184	0.36
				<i>Chrysochromulina laurentiana</i> Kling	35,920	14.17
				<i>Stichogloea</i> spp.	21,552	1.08
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	28,736	0.93
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,400	6.91
				<i>Cyclotella ocellata</i> Pant.	28,736	2.89
				<i>Tabellaria fenestrata</i> (Lyngbye) Kutzing	2,000	1.62
				<i>Fragilaria crotonensis</i> Kitton	1,400	0.45
				<i>Synedra acus</i> Kutzing	1,000	0.10
				<i>Asterionella formosa</i> Hassall	28,400	3.00
				<i>Cyclotella michiganiana</i> Skvortzow	107,760	2.06
				<i>Cyclotella bodanica</i> Eulenst.	1,000	7.72
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	28,736	3.97
				<i>Cryptomonas erosa</i> Ehrenberg	1,200	1.57
				<i>Katablepharis ovalis</i> Skuja	7,184	0.25
			Dinophyceae	<i>Gymnodinium</i> sp.	200	2.06
				<i>Peridinium pusillum</i> (Penard) Lemmermann	4,400	10.54
			Cyanobacteria	<i>Planktolyngbya limnetica</i>	400	0.06

Station	Replicate	Sampling Period	Major Taxonomic Group	Taxonomic name	Abundance (cells/L)	Biomass (mg/m ³)
MEL-0204	2	September	Chlorophyceae	<i>Chlamydomonas</i> spp.	7,184	0.85
				<i>Sphaerocystis Schroeteri</i> Chodat	64,656	1.01
				<i>Oocystis lacustris</i> Chodat	7,184	0.19
				<i>Planctonema lauterbornii</i> Schmidle	21,552	4.88
				<i>Staurodesmus extensus</i> (Andersson) Teiling	400	0.15
				<i>Oocystis gigas</i> Archer	200	0.48
			Chrysophyceae	Small chrysophyceae	86,208	1.22
				Large chrysophyceae	43,104	7.74
				<i>Chrysochromulina parva</i> Lackey	14,368	0.94
				<i>Chrysococcus</i> sp.	416,672	21.25
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.56
				<i>Kephyrion</i> sp.	43,104	0.74
				<i>Mallomonas crassisquama</i> (Asmund) Fott	400	0.40
				<i>Dinobryon borgei</i> Lemmermann	21,552	0.95
				<i>Dinobryon bavaricum</i> Imhof	50,288	11.38
				<i>Dinobryon bavaricum</i> Imhof	200	0.40
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	600	1.19
				<i>Chrysochromulina laurentiana</i> Kling	21,552	8.50
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	35,920	1.16
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	4,200	6.60
				<i>Cyclotella ocellata</i> Pant.	64,656	6.50
				<i>Fragilaria crotonensis</i> Kitton	2,600	0.83
				<i>Synedra acus</i> Kützing	1,600	0.16
				<i>Asterionella formosa</i> Hassall	16,200	1.71
				<i>Cyclotella michiganiana</i> Skvortzow	57,472	1.10
				<i>Cyclotella bodanica</i> Eulenstein	200	1.54
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	28,736	3.97
				<i>Cryptomonas erosa</i> Ehrenberg	1,000	1.31
			Dinophyceae	<i>Gymnodinium helveticum</i> Penard	200	4.71
				<i>Gymnodinium</i> sp.	7,184	2.65
				<i>Gymnodinium</i> sp.	200	2.06
				<i>Peridinium pusillum</i> (Penard) Lemmermann	3,400	8.14
MEL-0205	1	September	Chlorophyceae	<i>Chlamydomonas</i> spp.	14,368	2.17
				<i>Sphaerocystis Schroeteri</i> Chodat	64,656	1.01
				<i>Crucigenia quadrata</i> Morr.	28,736	0.32
				<i>Planctonema lauterbornii</i> Schmidle	43,104	9.75
				<i>Closterium kuetzingii</i> Brebisson	200	0.34
				<i>Cosmarium</i> sp.	600	0.84
				<i>Botryococcus braunii</i> Kützing	800	0.42
			Chrysophyceae	Small chrysophyceae	122,128	1.72
				Large chrysophyceae	7,184	1.29
				<i>Chrysochromulina parva</i> Lackey	129,312	8.46
				<i>Chrysococcus</i> sp.	431,040	21.98
				<i>Chrysostephanospaera globulifera</i> Scherffel	7,184	2.39
				<i>Kephyrion</i> sp.	28,736	0.49
				<i>Spiniferomonas sirrata</i> *****	7,184	0.66
				<i>Mallomonas caudata</i> Ivanov	200	1.07
				<i>Mallomonas crassisquama</i> (Asmund) Fott	200	0.20
				<i>Dinobryon bavaricum</i> Imhof	14,368	3.25
				<i>Dinobryon bavaricum</i> Imhof	1,000	1.99
				<i>Dinobryon sertularia</i> Ehrenberg	21,552	4.88
				<i>Dinobryon sertularia</i> Ehrenberg	1,200	2.39
				<i>Chrysalkos skuja</i> (Nauwerck) Willen	7,184	0.19
				<i>Uroglena volvox</i> Ehrenberg	28,736	3.25
				<i>Chrysochromulina laurentiana</i> Kling	86,208	34.02
				<i>Stichogloea</i> spp.	7,184	0.36
				<i>Salpingoeca frequentissima</i> (Zach.) Lemmermann	79,024	2.54
			Bacillariophyceae	<i>Cyclotella stelligera</i> Cleve and Grunow	3,800	5.97
				<i>Cyclotella ocellata</i> Pant.	14,368	1.50
				<i>Tabellaria fenestrata</i> (Lyngbye) Kützing	6,000	4.86
				<i>Fragilaria crotonensis</i> Kitton	1,000	0.32
				<i>Synedra acus</i> Kützing	2,000	0.20
				<i>Asterionella formosa</i> Hassall	32,800	3.47
				<i>Cyclotella michiganiana</i> Skvortzow	64,656	1.58
				<i>Cyclotella bodanica</i> Eulenstein	800	6.17
			Cryptophyceae	<i>Rhodomonas minuta</i> Skuja	64,656	8.94
				<i>Cryptomonas erosa</i> Ehrenberg	1,400	1.83
				<i>Cryptomonas rostratiformis</i> Skuja	200	0.42
			Dinophyceae	<i>Gymnodinium</i> sp.	400	4.12
				<i>Peridinium williei</i> Huitfeldt-Kaas	200	4.49
				<i>Peridinium pusillum</i> (Penard) Lemmermann	2,800	6.71

Notes: cells/L=cells per litre; mg/m³=milligrams per cubic metre

Table 7E-1: Summary Statistics for Zooplankton Abundance, Biomass and Richness

Year	Site	Season	Abundance (org/m ³)						Biomass (mg/m ³)						Richness (no. of taxa)					
			Min	Max	Median	Mean	SE	SD	Min	Max	Median	Mean	SE	SD	Min	Max	Median	Mean	SE	SD
2015	MEL-01	July	23,952	53,338	38,282	38,173	4,658	10,415	230	422	274	299	33	73	12	13	12	12.4	0.2	0.5
		August	55,390	81,599	63,826	66,318	4,558	10,193	594	970	745	761	71	158	11	13	12	12.0	0.3	0.7
		September	35,456	50,778	39,901	41,509	3,552	7,103	235	370	276	289	31	63	9	11	11	10.5	0.5	1.0
	MEL-02	July	23,644	49,118	36,329	38,603	4,751	10,623	309	485	412	411	34	77	12	15	13	13.4	0.5	1.1
		August	31,014	100,456	44,787	51,677	12,467	27,877	474	1370	749	816	161	360	11	14	13	12.8	0.6	1.3
		September	19,464	44,223	23,862	27,744	4,306	9,629	219	479	318	348	50	112	9	13	12	11.6	0.7	1.5
2016	MEL-01	August	37,391	96,650	76,386	72,531	11,361	25,405	68	396	209	235	59	133	12	15	12	13.0	0.6	1.4
		September	13,487	24,306	17,294	18,464	1,859	4,158	50	95	78	74	9	20	9	12	11	10.6	0.5	1.1
	MEL-02	August	32,258	41,387	36,865	37,425	1,693	3,787	184	216	200	201	5	12	12	13	12	12.4	0.2	0.5
		September	14,027	18,094	15,899	15,830	794	1,774	41	84	53	58	8	17	11	13	13	12.4	0.4	0.9
	MEL-03	August	29,593	47,389	46,244	42,467	3,380	7,557	96	210	139	145	22	49	10	12	12	11.4	0.4	0.9
		September	8,648	14,593	13,421	12,587	1,120	2,504	15	53	33	34	6	14	10	14	12	12.2	0.8	1.8
	MEL-04	August	18,381	38,023	22,691	26,205	3,607	8,065	86	252	111	143	30	66	11	12	12	11.6	0.2	0.5
	MEL-05	August	19,578	40,913	38,534	34,032	3,883	8,682	80	184	129	126	18	41	12	13	12	12.4	0.2	0.5
2017	MEL-01	July	30,603	56,224	44,032	42,940	4,823	10,784	77	161	94	106	15	34	13	16	13	13.8	0.6	1.3
		August	10,449	26,305	20,611	18,313	3,299	7,377	23	115	64	70	19	42	11	12	11	11.4	0.2	0.5
		September	8,645	27,893	14,209	16,552	3,532	7,898	27	94	52	55	11	25	9	12	10	10.6	0.6	1.3
	MEL-02	July	18,365	49,351	39,349	35,983	5,280	11,807	62	240	138	154	33	73	11	13	12	12.0	0.3	0.7
		August	22,364	38,369	27,408	28,570	3,047	6,813	47	275	146	159	39	87	10	13	12	11.4	0.6	1.3
		September	7,859	37,778	16,126	18,991	5,123	11,456	30	137	66	68	19	42	10	12	12	11.4	0.4	0.9
	MEL-03	July	32,236	55,025	42,916	43,135	3,845	8,598	137	299	235	229	26	58	10	12	12	11.4	0.4	0.9
		August	16,399	46,580	30,196	31,950	5,541	12,390	89	294	146	174	39	87	10	13	12	11.4	0.6	1.3
		September	9,534	24,864	12,222	15,188	3,052	6,824	24	109	44	52	15	35	12	14	12	12.8	0.5	1.1
	MEL-04	August	18,272	50,830	36,801	34,297	5,440	12,165	80	235	173	160	26	58	11	14	13	12.6	0.5	1.1
	MEL-05	August	15,251	36,660	25,832	27,303	3,748	8,381	71	247	85	143	40	90	11	13	12	12.2	0.4	0.8

Notes: Min=Minimum; Max=Maximum; SD=Standard deviation; SE=Standard error; org/m3=organisms per cubic metre; mg/m³=milligrams per cubic metre; no. of taxa=number of taxa

Table 7E-2: Relative Abundance of Major Zooplankton Groups

Year	Site	Season	Relative Abundance (%)					Relative Biomass (%)				
			Cladocera	Calanoida	Cyclopoida	Copepod Nauplii	Rotifera	Cladocera	Calanoida	Cyclopoida	Copepod Nauplii	Rotifera
2015	MEL-01	July	3.32	0.59	7.75	12.41	75.92	13.28	0.57	6.92	0.52	78.71
		August	15.18	1.36	8.09	17.91	57.45	39.08	2.78	5.05	0.29	52.80
		September	12.19	0.02	2.41	12.29	73.09	35.55	0.08	1.70	0.30	62.38
	MEL-02	July	7.40	0.66	11.23	14.69	66.02	32.83	0.38	8.48	0.21	58.11
		August	21.35	1.45	6.57	12.32	58.31	59.98	1.75	3.56	0.11	34.59
		September	19.91	0.83	5.03	14.66	59.56	60.17	2.01	3.11	0.21	34.49
2016	MEL-01	August	21.07	0.50	2.26	6.02	70.16	44.55	3.92	3.63	0.14	47.76
		September	2.93	0.13	4.88	15.47	76.58	3.74	0.88	5.45	0.30	89.63
	MEL-02	August	28.84	1.58	8.07	20.94	40.58	71.31	7.66	11.07	0.40	9.56
		September	11.33	0.97	5.57	32.67	49.46	37.80	9.15	12.36	1.13	39.57
	MEL-03	August	20.14	0.70	2.54	37.76	38.86	79.92	6.31	6.71	0.29	6.77
		September	8.01	1.59	3.42	26.37	60.61	40.91	18.39	13.69	1.36	25.65
	MEL-04	August	17.35	6.77	10.11	28.02	37.74	50.54	26.73	20.61	0.08	2.04
	MEL-05	August	22.29	1.19	6.52	44.04	25.96	66.16	8.56	20.70	0.31	4.26
2017	MEL-01	July	6.06	2.01	1.08	10.54	80.32	26.94	9.87	4.78	0.27	58.14
		August	18.49	3.19	1.46	21.07	55.79	59.45	19.72	5.01	0.35	15.47
		September	1.93	0.07	3.03	16.07	78.90	4.15	0.30	6.12	0.55	88.88
	MEL-02	July	24.72	2.04	4.24	17.25	51.75	62.66	6.84	10.48	0.34	19.68
		August	20.06	7.33	5.02	32.33	35.26	47.20	31.44	10.20	0.50	10.67
		September	12.22	4.65	4.69	23.39	55.05	35.52	29.34	12.88	0.48	21.78
	MEL-03	July	29.63	5.53	8.02	21.02	35.80	61.67	11.01	16.69	0.39	10.24
		August	28.24	4.85	2.65	29.35	34.90	61.93	26.12	6.36	0.34	5.25
		September	6.59	2.36	1.63	15.30	74.12	30.06	24.22	6.74	0.36	38.63
	MEL-04	August	36.08	1.00	2.39	5.04	55.49	56.66	4.18	5.02	0.09	34.05
	MEL-05	August	30.54	3.70	4.02	24.77	36.96	63.48	18.42	9.52	0.46	8.11

Notes: %=percent

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-01-01		Mel-01-02		Mel-01-02		Mel-01-03		Mel-01-04	
		Replicate	Rep 1		Rep 1		Rep 2		Rep 1		Rep 1	
		Sampling Period	19/07/2015		19/07/2015		19/07/2015		19/07/2015		18/07/2015	
		Stage	Abundance (/sample)	Biomass (mg/sample)	Abundance (/sample)	Biomass (mg/sample)	Abundance (/sample)	Biomass (mg/sample)	Abundance (/sample)	Biomass (mg/sample)	Abundance (/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	95	0.80	17	0.14	50	0.42	320	2.69	123	1.04
	Chydoridae indet.	F	15	0.26	10	0.18	25	0.44	10	0.18	10	0.18
	<i>Daphnia longiremis</i>	F	65	4.20	120	7.76	105	6.79	510	32.99	90	5.82
	<i>Holopedium gibberum</i>	F	260	3.98	140	2.14	265	4.06	210	3.21	143	2.19
	<i>Leptodora kindtii</i>	F										
Calanoida	Calanoida indet.	I-V	165	1.01	67	0.41	95	0.58	40	0.24	87	0.53
	Calanoida indet.	Vlf										
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf										
	<i>Epischura</i> sp.	Vlm										
	<i>Leptodiaptomus minutus</i>	Vlf							20	0.80		
	<i>Leptodiaptomus minutus</i>	Vlm										
Cyclopoida	Cyclopoida indet.	I-V	1,150	5.27	580	2.66	850	3.90	1,830	8.39	550	2.52
	Cyclopoida indet.	Vlf										
	<i>Cyclops scutifer</i>	Vlf					5	0.22				
	<i>Diacyclops thomasi</i>	Vlf	285	7.20	33	0.84	95	2.40	90	2.27	70	1.77
	<i>Diacyclops thomasi</i>	Vlm	215	3.67	20	0.34	40	0.68	80	1.37	40	0.68
Copepoda	Copepoda indet.	nauplius										
	Calanoida indet.	nauplius	2,333	1.01	867	0.38	1,167	0.51	1,933	0.84	967	0.42
	Cyclopoida indet.	nauplius	600	0.01	400	0.00	467	0.01	500	0.01	333	0.00
Rotifera	<i>Conochilus</i> sp.	colonial										
	<i>Conochilus</i> sp.	individual	5,567	5.59	1,833	1.84	1,533	1.54	5,133	5.15	4,133	4.15
	<i>Filinia</i> sp.											
	<i>Asplanchna</i> sp.		1,467	67.88	1,133	52.45	1,467	67.88	1,067	49.37	933	43.20
	<i>Kellicottia</i> sp.		3,433	29.60	2,700	23.28	3,267	28.16	7,433	64.09	6,200	53.45
	<i>Keratella</i> sp. 1		1,800	4.44	1,933	4.77	1,633	4.03	2,800	6.91	3,267	8.06
	<i>Keratella</i> sp. 2		67	0.41	33	0.21	100	0.62	33	0.21	67	0.41
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		733	0.36	267	0.13	333	0.17	567	0.28	533	0.26
	<i>Synchaeta</i> sp.								33	0.06	33	0.06
Total			18,250	135.69	10,153	97.53	11,497	122.39	22,610	179.04	17,580	124.74

Notes: #/sample=number of organisms per sample; mg/sample=milligrams per sample (wet weight)

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-01-05		Mel-01-01		Mel-01-02		Mel-01-03		Mel-01-04	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	18/07/2015		14/08/2015		14/08/2015		14/08/2015		14/08/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	125	1.05	3,300	27.71	1,917	16.09	2,100	17.63	1,740	14.61
	Chydoridae indet.	F	5	0.09								
	<i>Daphnia longiremis</i>	F	215	13.91	1,967	127.20	783	50.67	1,360	87.97	1,140	73.74
	<i>Holopedium gibberum</i>	F	335	5.13	967	14.80	517	7.91	780	11.94	980	15.00
	<i>Leptodora kindtii</i>	F			33	8.29						
Calanoida	Calanoida indet.	I-V	125	0.76	267	1.63	117	0.71	280	1.71	180	1.10
	Calanoida indet.	Vlf										
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf					17	0.80				
	<i>Epischura</i> sp.	Vlm			33	1.20	17	0.60	20	0.72	40	1.44
	<i>Leptodiaptomus minutus</i>	Vlf			300	12.02	67	2.67	140	5.61		
	<i>Leptodiaptomus minutus</i>	Vlm			133	4.35	50	1.63	80	2.61	40	1.31
Cyclopoida	Cyclopoida indet.	I-V	1,565	7.17	2,300	10.54	1,533	7.03	2,440	11.18	2,280	10.45
	Cyclopoida indet.	Vlf	5	0.22								
	<i>Cyclops scutifer</i>	Vlf										
	<i>Diacyclops thomasi</i>	Vlf	45	1.14	500	12.62	133	3.37	260	6.56	160	4.04
	<i>Diacyclops thomasi</i>	Vlm	20	0.34	200	3.42	50	0.85	220	3.76	100	1.71
Copepoda	Copepoda indet.	nauplius										
	Calanoida indet.	nauplius	1,833	0.79	1,400	0.61	2,400	1.04	2,367	1.03	3,333	1.44
	Cyclopoida indet.	nauplius	767	0.01	5,367	0.06	2,833	0.03	2,500	0.03	3,133	0.04
Rotifera	<i>Conochilus</i> sp.	colonial										
	<i>Conochilus</i> sp.	individual	4,467	4.48	11,433	11.47	3,467	3.48	2,900	2.91	4,233	4.25
	<i>Filinia</i> sp.										33	0.01
	<i>Asplanchna</i> sp.		1,333	61.71	3,133	145.02	2,333	107.99	1,267	58.62	2,967	137.30
	<i>Kellicottia</i> sp.		2,600	22.42	10,267	88.52	6,267	54.03	3,700	31.90	9,433	81.33
	<i>Keratella</i> sp. 1		2,300	5.67	3,267	8.06	2,900	7.15	3,000	7.40	3,967	9.78
	<i>Keratella</i> sp. 2						67	0.41				
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		467	0.23	100	0.05	33	0.02	33	0.02	100	0.05
	<i>Synchaeta</i> sp.		67	0.12					33	0.06	67	0.12
Total			16,273	125.24	44,967	477.56	25,500	266.48	23,480	251.66	33,927	357.71

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-01-05		Mel-01-05		Mel-01-01		Mel-01-01		Mel-01-02	
		Replicate	Rep 1		Rep 2		Rep 1		Rep 2		Rep 1	
		Sampling Period	15/08/2015		15/08/2015		19/09/2015		19/09/2015		19/09/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	2,080	17.47	2,300	19.31	1,558	13.09	1,930	16.21	1,125	9.45
	Chydoridae indet.	F					8	0.15	10	0.18	5	0.09
	<i>Daphnia longiremis</i>	F	2,860	184.99	2,600	168.17	433	28.03	530	34.28	360	23.28
	<i>Holopedium gibberum</i>	F	1,060	16.22	875	13.39						
	<i>Leptodora kindtii</i>	F										
Calanoida	Calanoida indet.	I-V	120	0.73	100	0.61					5	0.03
	Calanoida indet.	Vlf	20	0.80								
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf										
	<i>Epischura</i> sp.	Vlm										
	<i>Leptodiaptomus minutus</i>	Vlf	140	5.61	25	1.00			10	0.40		
	<i>Leptodiaptomus minutus</i>	Vlm	60	1.96								
Cyclopoida	Cyclopoida indet.	I-V	2,240	10.27	1,725	7.91	217	0.99	310	1.42	330	1.51
	Cyclopoida indet.	Vlf										
	<i>Cyclops scutifer</i>	Vlf										
	<i>Diacyclops thomasi</i>	Vlf	120	3.03	175	4.42			10	0.25	5	0.13
	<i>Diacyclops thomasi</i>	Vlm	40	0.68	100	1.71	8	0.14				
Copepoda	Copepoda indet.	nauplius										
	Calanoida indet.	nauplius	1,900	0.82	3,700	1.60	367	0.16	900	0.39	1,133	0.49
	Cyclopoida indet.	nauplius	2,600	0.03	2,500	0.03	1,600	0.02	700	0.01	967	0.01
Rotifera	<i>Conochilus</i> sp.	colonial										
	<i>Conochilus</i> sp.	individual	4,933	4.95	4,100	4.11	4,900	4.92	2,800	2.81	1,567	1.57
	<i>Filinia</i> sp.				33	0.01						
	<i>Asplanchna</i> sp.		2,833	131.13	2,133	98.74	1,267	58.62	433	20.06	567	26.23
	<i>Kellicottia</i> sp.		3,833	33.05	7,233	62.36	4,333	37.36	3,867	33.34	3,367	29.03
	<i>Keratella</i> sp. 1		2,400	5.92	4,467	11.02	4,833	11.92	4,033	9.95	4,333	10.69
	<i>Keratella</i> sp. 2				33	0.21						
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		233	0.12	233	0.12	1,767	0.88	1,633	0.81	1,100	0.55
	<i>Synchaeta</i> sp.		33	0.06	33	0.06	233	0.41	167	0.30	167	0.30
Total			27,507	417.84	32,367	394.77	21,525	156.69	17,333	120.39	15,030	103.35

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-01-04		Mel-01-05		Mel-02-01		Mel-02-02		Mel-02-03	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	19/09/2015		19/09/2015		21/07/2015		21/07/2015		21/07/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,733	14.55	2,110	17.72	200	1.68	250	2.10	310	2.60
	Chydoridae indet.	F	8	0.15			18	0.32	10	0.18	10	0.18
	<i>Daphnia longiremis</i>	F	517	33.42	440	28.46	609	39.40	1,390	89.91	1,240	80.20
	<i>Holopedium gibberum</i>	F					145	2.23	110	1.68	280	4.29
	<i>Leptodora kindtii</i>	F					9	2.26				
Calanoida	Calanoida indet.	I-V					118	0.72	50	0.30	90	0.55
	Calanoida indet.	Vlf										
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf										
	<i>Epischura</i> sp.	Vlm										
	<i>Leptodiaptomus minutus</i>	Vlf										
	<i>Leptodiaptomus minutus</i>	Vlm			10	0.33						
Cyclopoida	Cyclopoida indet.	I-V	442	2.02	620	2.84	1,082	4.96	1,780	8.16	1,980	9.07
	Cyclopoida indet.	Vlf										
	<i>Cyclops scutifer</i>	Vlf					9	0.40			10	0.44
	<i>Diacyclops thomasi</i>	Vlf			10	0.25	218	5.51	200	5.05	490	12.37
	<i>Diacyclops thomasi</i>	Vlm	8	0.14			145	2.48	170	2.90	270	4.61
Copepoda	Copepoda indet.	nauplius										
	Calanoida indet.	nauplius	800	0.35	833	0.36	900	0.39	900	0.39	833	0.36
	Cyclopoida indet.	nauplius	1,233	0.01	1,433	0.02	2,533	0.03	633	0.01	900	0.01
Rotifera	<i>Conochilus</i> sp.	colonial									100	0.46
	<i>Conochilus</i> sp.	individual	1,900	1.91	1,467	1.47	2,633	2.64	967	0.97	2,833	2.84
	<i>Filinia</i> sp.											
	<i>Asplanchna</i> sp.		400	18.51	200	9.26	1,767	81.77	200	9.26	700	32.40
	<i>Kellicottia</i> sp.		3,767	32.47	3,300	28.45	6,000	51.73	3,333	28.74	5,800	50.01
	<i>Keratella</i> sp. 1		3,933	9.70	4,033	9.95	2,467	6.08	867	2.14	1,133	2.80
	<i>Keratella</i> sp. 2						333	2.07	100	0.62	67	0.41
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		1,233	0.61	1,000	0.50	1,400	0.70	600	0.30	367	0.18
	<i>Synchaeta</i> sp.		100	0.18			233	0.41	133	0.24	33	0.06
Total			16,075	114.03	15,457	99.60	20,821	205.77	11,693	152.93	17,447	203.84

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-02-04		Mel-02-05		Mel-02-01		Mel-02-02		Mel-02-03	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	21/07/2015		21/07/2015		16/08/2015		16/08/2015		16/08/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	350	2.94	183	1.54	2,167	18.19	1,720	14.44	2,460	20.66
	Chydoridae indet.	F	10	0.18	8	0.15						
	<i>Daphnia longiremis</i>	F	690	44.63	508	32.88	5,200	336.34	5,400	349.27	1,840	119.01
	<i>Holopedium gibberum</i>	F	170	2.60	117	1.79	400	6.12	800	12.24	180	2.76
	<i>Leptodora kindtii</i>	F										
Calanoida	Calanoida indet.	I-V	190	1.16	142	0.86	367	2.24	240	1.46	160	0.98
	Calanoida indet.	Vlf										
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf					33	1.60	40	1.91	20	0.96
	<i>Epischura</i> sp.	Vlm									40	1.44
	<i>Leptodiaptomus minutus</i>	Vlf					167	6.68	100	4.01	40	1.60
	<i>Leptodiaptomus minutus</i>	Vlm					67	2.18	60	1.96		
Cyclopoida	Cyclopoida indet.	I-V	1,730	7.93	1,500	6.87	1,600	7.33	1,380	6.32	1,700	7.79
	Cyclopoida indet.	Vlf										
	<i>Cyclops scutifer</i>	Vlf					33	1.46			20	0.88
	<i>Diacyclops thomasi</i>	Vlf	160	4.04	133	3.37	500	12.62	240	6.06	40	1.01
	<i>Diacyclops thomasi</i>	Vlm	90	1.54	75	1.28	267	4.55	100	1.71	80	1.37
Copepoda	Copepoda indet.	nauplius			33	0.00						
	Calanoida indet.	nauplius	1,433	0.62	233	0.10	833	0.36	1,367	0.59	1,033	0.45
	Cyclopoida indet.	nauplius	2,333	0.03	2,400	0.03	4,533	0.05	2,267	0.03	1,500	0.02
Rotifera	<i>Conochilus</i> sp.	colonial	33	0.15	33	0.15						
	<i>Conochilus</i> sp.	individual	2,400	2.41	1,700	1.71	6,133	6.15	2,233	2.24	1,300	1.30
	<i>Filinia</i> sp.											
	<i>Asplanchna</i> sp.		1,867	86.39	1,333	61.71	2,033	94.11	1,833	84.85	1,167	54.00
	<i>Kellicottia</i> sp.		9,067	78.17	4,167	35.92	21,367	184.22	6,467	55.75	9,867	85.07
	<i>Keratella</i> sp. 1		2,267	5.59	1,767	4.36	4,967	12.25	1,367	3.37	3,567	8.80
	<i>Keratella</i> sp. 2		67	0.41			33	0.21			67	0.41
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		1,100	0.55	933	0.46	400	0.20	400	0.20	167	0.08
	<i>Synchaeta</i> sp.		100	0.18	133	0.24					67	0.12
Total			24,057	239.51	15,400	153.42	51,100	696.86	26,013	546.43	25,313	308.69

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-02-04		Mel-02-05		Mel-02-01		Mel-02-02		Mel-02-03	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	16/08/2015		17/08/2015		10/09/2015		10/09/2015		10/09/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,200	10.08	1,386	11.64	1,913	16.06	564	4.73	586	4.92
	Chydoridae indet.	F	20	0.35			13	0.22				
	<i>Daphnia longiremis</i>	F	4,380	283.30	2,086	134.90	1,900	122.89	1,591	102.90	564	36.50
	<i>Holopedium gibberum</i>	F	260	3.98	143	2.19	25	0.38			14	0.22
	<i>Leptodora kindtii</i>	F										
Calanoida	Calanoida indet.	I-V	280	1.71	157	0.96	13	0.08	27	0.17	43	0.26
	Calanoida indet.	Vlf										
	Calanoida indet.	Vlm										
	<i>Epischura</i> sp.	Vlf									7	0.34
	<i>Epischura</i> sp.	Vlm	20	0.72							14	0.51
	<i>Leptodiaptomus minutus</i>	Vlf	80	3.21	71	2.86	75	3.00	27	1.09	93	3.72
	<i>Leptodiaptomus minutus</i>	Vlm	40	1.31	29	0.93	38	1.22	18	0.59	71	2.33
Cyclopoida	Cyclopoida indet.	I-V	1,520	6.97	943	4.32	650	2.98	564	2.58	757	3.47
	Cyclopoida indet.	Vlf										
	<i>Cyclops scutifer</i>	Vlf	20	0.88	29	1.25						
	<i>Diacyclops thomasi</i>	Vlf	240	6.06	143	3.61	125	3.16	64	1.61	121	3.07
	<i>Diacyclops thomasi</i>	Vlm	180	3.07	86	1.46	38	0.64	9	0.16	57	0.98
Copepoda	Copepoda indet.	nauplius										
	Calanoida indet.	nauplius	1,200	0.52	1,000	0.43	867	0.38	633	0.27	1,100	0.48
	Cyclopoida indet.	nauplius	1,633	0.02	1,733	0.02	2,400	0.03	1,200	0.01	533	0.01
Rotifera	<i>Conochilus</i> sp.	colonial					33	0.15				
	<i>Conochilus</i> sp.	individual	1,467	1.47	1,267	1.27	5,567	5.59	867	0.87	2,633	2.64
	<i>Filinia</i> sp.											
	<i>Asplanchna</i> sp.		1,067	49.37	600	27.77	433	20.06	400	18.51	233	10.80
	<i>Kellicottia</i> sp.		5,167	44.55	4,400	37.94	5,033	43.40	2,767	23.85	3,667	31.61
	<i>Keratella</i> sp. 1		2,200	5.43	1,200	2.96	1,133	2.80	800	1.97	600	1.48
	<i>Keratella</i> sp. 2		33	0.21								
	<i>Notholca</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		33	0.02	33	0.02	200	0.10	233	0.12	167	0.08
	<i>Synchaeta</i> sp.				33	0.06	167	0.30			33	0.06
Total			21,040	423.20	15,338	234.59	20,621	223.42	9,764	159.44	11,295	103.48

Table 7E-3: Raw Zooplankton Data, 2015

Major Group	Taxon	Station	Mel-02-04		Mel-02-05		Mel-01-04-QA		Mel-02-03-QA	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	10/09/2015		10/09/2015		14/08/2015		16/08/2015	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,780	14.95	1,560	13.10	920	7.73	2,160	18.14
	Chydoridae indet.	F								
	<i>Daphnia longiremis</i>	F	1,000	64.68	2,400	155.23	1,360	87.97	1,520	98.31
	<i>Holopedium gibberum</i>	F	30	0.46	50	0.77	760	11.63	80	1.22
	<i>Leptodora kindtii</i>	F								
Calanoida	Calanoida indet.	I-V	30	0.18	20	0.12	60	0.37		
	Calanoida indet.	Vlf								
	Calanoida indet.	Vlm								
	<i>Epischura</i> sp.	Vlf			20	0.96	20	0.96	20	0.96
	<i>Epischura</i> sp.	Vlm	10	0.36					40	1.44
	<i>Leptodiaptomus minutus</i>	Vlf	40	1.60	20	0.80	20	0.80	40	1.60
	<i>Leptodiaptomus minutus</i>	Vlm	10	0.33	10	0.33	60	1.96		
Cyclopoida	Cyclopoida indet.	I-V	400	1.83	540	2.47	2,040	9.35	960	4.40
	Cyclopoida indet.	Vlf								
	<i>Cyclops scutifer</i>	Vlf							20	0.88
	<i>Diacyclops thomasi</i>	Vlf	70	1.77	90	2.27	100	2.52	20	0.50
	<i>Diacyclops thomasi</i>	Vlm	40	0.68	10	0.17	100	1.71	40	0.68
Copepoda	Copepoda indet.	nauplius					33	0.00		
	Calanoida indet.	nauplius	600	0.26	1,000	0.43	3,600	1.56	1,500	0.65
	Cyclopoida indet.	nauplius	933	0.01	1,033	0.01	3,667	0.04	1,600	0.02
Rotifera	<i>Conochilus</i> sp.	colonial					33	0.15		
	<i>Conochilus</i> sp.	individual	2,500	2.51	3,200	3.21	7,633	7.66	2,367	2.37
	<i>Filinia</i> sp.				33	0.01	67	0.02		
	<i>Asplanchna</i> sp.		567	26.23	933	43.20	3,633	168.16	1,367	63.25
	<i>Kellicottia</i> sp.		3,333	28.74	4,200	36.21	10,933	94.26	12,467	107.48
	<i>Keratella</i> sp. 1		833	2.06	533	1.32	5,633	13.89	3,400	8.39
	<i>Keratella</i> sp. 2						67	0.41		
	<i>Notholca</i> sp.									
	<i>Ploesoma</i> sp.									
	<i>Polyarthra</i> sp.		400	0.20	200	0.10	200	0.10	200	0.10
	<i>Synchaeta</i> sp.		33	0.06	100	0.18	167	0.30	267	0.47
Total			12,610	146.90	15,953	260.89	41,107	411.55	28,067	310.88

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-01-01		Mel-01-02		Mel-01-03		Mel-01-04		Mel-01-05	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	11/08/2016		11/08/2016		11/08/2016		11/08/2016		11/08/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	10,150	72.11	9,700	68.91	4,350	30.90	4,850	34.46	890	6.32
	Chydoridae indet.	F					50	0.21				
	<i>Daphnia longiremis</i>	F	900	3.22	900	3.22	950	3.40	350	1.25	100	0.36
	<i>Holopedium gibberum</i>	F	350	3.11	300	2.67	400	3.56	350	3.11	60	0.53
Calanoida	Calanoida indet.	I-V	30	0.16	40	0.21	40	0.21	80	0.42	20	0.10
	<i>Epischura lacustris</i>	Vlf	3	0.16	10	0.55			10	0.55		
	<i>Epischura lacustris</i>	Vlm	1	0.04			10	0.39				
	<i>Leptodiaptomus minutus</i>	Vlf	50	1.64	40	1.31	80	2.63	80	2.63	80	2.63
	<i>Leptodiaptomus minutus</i>	Vlm	30	0.86	60	1.73	40	1.15	80	2.30	40	1.15
	<i>Leptodiaptomus pribilofensis</i>	Vlf	1	0.07								
	<i>Leptodiaptomus pribilofensis</i>	Vlm										
Cyclopoida	Cyclopoida indet.	I-V	780	3.37	760	3.29	710	3.07	750	3.24	430	1.86
	<i>Cyclops scutifer</i>	Vlf										
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	40	0.65	30	0.49	70	1.14	20	0.33	20	0.33
	<i>Diacyclops thomasi</i>	Vlm	20	0.32	30	0.47	30	0.47	10	0.16	10	0.16
Copepod Nauplii	Copepoda indet.	Nauplius	300	0.01	300	0.01	300	0.01	300	0.01	100	0.00
	Calanoida indet.	Nauplius	600	0.15	700	0.18	300	0.08	600	0.15	300	0.08
	Cyclopoida indet.	Nauplius	1,900	0.02	1,200	0.01	800	0.01	1,200	0.01	1,000	0.01
Rotifera	<i>Asplanchna</i> sp.		2,600	62.18	2,900	69.35	800	19.13	1,000	23.91	300	7.17
	<i>Conochilus</i> sp.	Individual	16,700	13.70	13,800	11.32	12,000	9.84	14,900	12.22	7,100	5.82
	<i>Kellicottia</i> sp.		6,900	0.60	5,900	0.51	3,900	0.34	3,900	0.34	3,000	0.26
	<i>Keratella</i> sp. 1		4,900	3.88	4,000	3.17	2,300	1.82	3,600	2.85	1,700	1.35
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.						100	0.00			100	0.00
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		500	0.96			600	1.16	200	0.39	100	0.19
	<i>Synchaeta</i> sp.		200	0.28	200	0.28	300	0.42	100	0.14	500	0.69
	<i>Trichocerca</i> sp.		100	0.05	100	0.05	100	0.05				
Total			47,055	167.56	40,970	167.73	28,230	79.99	32,380	88.47	15,850	29.02

Notes: #/sample=number of organisms per sample; mg/sample=milligrams per sample (wet weight)

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-02-01		Mel-02-02		Mel-02-03		Mel-02-04		Mel-02-05	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	11/08/2016		11/08/2016		11/08/2016		11/08/2016		11/08/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	2,475	36.06	2,200	32.06	2,620	38.18	2,620	38.18	2,940	42.84
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	885	8.95	2,180	22.05	1,400	14.16	2,040	20.64	1,700	17.20
	<i>Holopedium gibberum</i>	F	90	2.28	360	9.11	260	6.58	100	2.53	160	4.05
Calanoida	Calanoida indet.	I-V	105	0.83	100	0.79	120	0.95	40	0.32	40	0.32
	<i>Epischura lacustris</i>	Vlf	3	0.16	7	0.38	1	0.05	7	0.38	11	0.60
	<i>Epischura lacustris</i>	Vlm	2	0.08	8	0.33	6	0.25	7	0.29	9	0.37
	<i>Leptodiaptomus minutus</i>	Vlf	60	2.18	40	1.45	80	2.90	80	2.90	100	3.63
	<i>Leptodiaptomus minutus</i>	Vlm	30	0.93	80	2.47	120	3.70	40	1.23	80	2.47
	<i>Leptodiaptomus pribilofensis</i>	Vlf	3	0.20	4	0.27	4	0.27	1	0.07	6	0.40
	<i>Leptodiaptomus pribilofensis</i>	Vlm	2	0.11	4	0.21	3	0.16			1	0.05
Cyclopoida	Cyclopoida indet.	I-V	855	4.76	1,320	7.35	1,260	7.01	780	4.34	900	5.01
	<i>Cyclops scutifer</i>	Vlf	15	0.26			40	0.70				
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	135	2.20	140	2.28	180	2.94	120	1.96	140	2.28
	<i>Diacyclops thomasi</i>	Vlm	60	1.00	80	1.33	80	1.33	20	0.33	40	0.67
Copepod Nauplii	Copepoda indet.	Nauplius									200	0.01
	Calanoida indet.	Nauplius	1,200	0.44	800	0.29	900	0.33	300	0.11	600	0.22
	Cyclopoida indet.	Nauplius	3,400	0.08	2,500	0.06	1,600	0.04	2,400	0.05	2,100	0.05
Rotifera	<i>Asplanchna</i> sp.		100	2.66			100	2.66	400	10.65	300	7.99
	<i>Conochilus</i> sp.	Individual	600	0.95	1,300	2.05	1,100	1.74	2,400	3.79	1,400	2.21
	<i>Kellicottia</i> sp.		3,900	0.29	5,500	0.42	2,900	0.22	3,100	0.23	3,800	0.29
	<i>Keratella</i> sp. 1		600	0.71	400	0.48	400	0.48	400	0.48	500	0.59
	<i>Keratella</i> sp. 2				100	0.08						
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		100	0.03	200	0.06	500	0.15	300	0.09	600	0.19
	<i>Synchaeta</i> sp.											
	<i>Trichocerca</i> sp.											
Total			14,620	65.17	17,323	83.51	13,674	84.79	15,155	88.58	15,627	91.43

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-03-01		Mel-03-02		Mel-03-03		Mel-03-04		Mel-03-05	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	12/08/2016		12/08/2016		12/08/2016		12/08/2016		12/08/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	2,260	36.33	820	13.18	820	13.18	400	6.43	720	11.57
	Chydoridae indet.	F	60	0.16								
	<i>Daphnia longiremis</i>	F	1,280	15.69	2,540	31.14	2,560	31.38	2,200	26.97	4,500	55.16
	<i>Holopedium gibberum</i>	F	20	0.53	80	2.10	20	0.53			20	0.53
Calanoida	Calanoida indet.	I-V	40	0.30	50	0.37			60	0.44	20	0.15
	<i>Epischura lacustris</i>	Vlf			5	0.29	3	0.17	15	0.86	4	0.23
	<i>Epischura lacustris</i>	Vlm	20	0.83	3	0.12	13	0.54	28	1.16	52	2.15
	<i>Leptodiaptomus minutus</i>	Vlf	20	0.69	60	2.07	60	2.07	50	1.72	20	0.69
	<i>Leptodiaptomus minutus</i>	Vlm			10	0.29	10	0.29	50	1.45	10	0.29
	<i>Leptodiaptomus pribilofensis</i>	Vlf			20	1.46	10	0.73				
	<i>Leptodiaptomus pribilofensis</i>	Vlm										
Cyclopoida	Cyclopoida indet.	I-V	380	2.20	440	2.55	320	1.85	290	1.68	240	1.39
	<i>Cyclops scutifer</i>	Vlf			40	0.70	30	0.52	70	1.22	20	0.35
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	120	1.96	60	0.98	80	1.31	30	0.49	20	0.33
	<i>Diacyclops thomasi</i>	Vlm	40	0.71	80	1.42			10	0.18	40	0.71
Copepod Nauplii	Copepoda indet.	Nauplius	200	0.01			400	0.02				
	Calanoida indet.	Nauplius	100	0.04	100	0.04			200	0.08	200	0.08
	Cyclopoida indet.	Nauplius	5,100	0.09	4,400	0.08	7,000	0.13	9,600	0.18	7,000	0.13
Rotifera	<i>Asplanchna</i> sp.		400	12.89								
	<i>Conochilus</i> sp.	Individual	1,400	0.96	1,500	1.02	1,000	0.68	600	0.41	600	0.41
	<i>Kellicottia</i> sp.		4,300	0.30	6,700	0.47	3,800	0.27	5,400	0.38	5,000	0.35
	<i>Keratella</i> sp. 1		200	0.13	400	0.26	400	0.26	400	0.26	1,400	0.90
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		800	0.35	400	0.18	200	0.09	200	0.09	200	0.09
	<i>Synchaeta</i> sp.											
	<i>Trichocerca</i> sp.											
Total			16,740	74.16	17,708	58.72	16,726	54.02	19,603	43.99	20,066	75.50

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-04-01		Mel-04-02		Mel-04-02		Mel-04-03		Mel-04-04	
		Replicate	Rep 1		Rep 1		Rep 2		Rep 1		Rep 1	
		Sampling Period	14/08/2016		14/08/2016		14/08/2016		14/08/2016		14/08/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,000	17.89	360	6.44	460	8.23	560	10.02	408	7.30
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	3,040	45.78	1,340	20.18	1,640	24.70	2,120	31.93	925	13.93
	<i>Holopedium gibberum</i>	F	160	2.65	180	2.98	180	2.98	100	1.65	133	2.21
Calanoida	Calanoida indet.	I-V	360	2.22	440	2.72	200	1.23	380	2.35	175	1.08
	<i>Epischura lacustris</i>	Vlf	7	0.37	20	1.06	8	0.43	10	0.53	17	0.89
	<i>Epischura lacustris</i>	Vlm	11	0.50	20	0.90	15	0.68			8	0.38
	<i>Leptodiaptomus minutus</i>	Vlf	180	6.32	220	7.72	300	10.53	240	8.42	100	3.51
	<i>Leptodiaptomus minutus</i>	Vlm	80	2.46	60	1.84	60	1.84	120	3.69	33	1.02
	<i>Leptodiaptomus pribilofensis</i>	Vlf	10	0.19			10	0.19	5	0.10	8	0.16
	<i>Leptodiaptomus pribilofensis</i>	Vlm	10	0.64			5	0.32			8	0.53
Cyclopoida	Cyclopoida indet.	I-V	1,840	18.02	1,080	10.58	620	6.07	135	1.32	275	2.69
	<i>Cyclops scutifer</i>	Vlf	240	4.20	280	4.90	100	1.75	35	0.61	17	0.29
	<i>Cyclops scutifer</i>	Vlm			20	0.60						
	<i>Diacyclops thomasi</i>	Vlf	220	3.59	20	0.33	140	2.28	20	0.33	50	0.82
	<i>Diacyclops thomasi</i>	Vlm	60	0.64			40	0.42			33	0.35
Copepod Nauplii	Copepoda indet.	Nauplius							100	0.01		
	Calanoida indet.	Nauplius	200	0.06	100	0.03	100	0.03				
	Cyclopoida indet.	Nauplius	3,800	0.04	3,100	0.03	3,000	0.03	3,900	0.04	2,100	0.02
Rotifera	<i>Asplanchna</i> sp.						100	3.93				
	<i>Conochilus</i> sp.	Individual	1,800	0.98	1,000	0.54	2,000	1.08	2,100	1.14	1,600	0.87
	<i>Kellicottia</i> sp.		2,500	0.17	2,800	0.19	2,100	0.14	2,600	0.18	1,100	0.08
	<i>Keratella</i> sp. 1		100	0.04	100	0.04	100	0.04	100	0.04	400	0.15
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		500	0.23	800	0.36	400	0.18	300	0.14	400	0.18
	<i>Synchaeta</i> sp.											
	<i>Trichocerca</i> sp.											
Total			16,118	106.96	11,940	61.44	11,578	67.09	12,825	62.47	7,792	36.46

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-04-05		Mel-05-01		Mel-05-01		Mel-05-02		Mel-05-03	
		Replicate	Rep 1		Rep 1		Rep 2		Rep 1		Rep 1	
		Sampling Period	14/08/2016		16/08/2016		16/08/2016		16/08/2016		16/08/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	86	1.53	580	10.10	386	6.71	514	8.95	320	5.57
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	300	4.52	3,940	37.77	2,771	26.57	2,186	20.95	2,000	19.17
	<i>Holopedium gibberum</i>	F			160	2.63	29	0.47	29	0.47	400	6.58
Calanoida	Calanoida indet.	I-V	614	3.79	20	0.15	18	0.13	24	0.17		
	<i>Epischura lacustris</i>	Vlf	20	1.06	20	0.33	18	0.29	12	0.19	13	0.22
	<i>Epischura lacustris</i>	Vlm	60	2.70			35	1.42	29	1.18	20	0.80
	<i>Leptodiaptomus minutus</i>	Vlf	657	23.07	40	1.40	29	1.03	65	2.27	60	2.11
	<i>Leptodiaptomus minutus</i>	Vlm	286	8.78			6	0.19	24	0.76	20	0.64
	<i>Leptodiaptomus pribilofensis</i>	Vlf	20	0.38	47	0.89	29	0.56	29	0.56	33	0.64
	<i>Leptodiaptomus pribilofensis</i>	Vlm			7	0.52	6	0.46				
Cyclopoida	Cyclopoida indet.	I-V	1,786	17.49	480	4.84	757	7.64	443	4.47	1,240	12.50
	<i>Cyclops scutifer</i>	Vlf	43	0.75	80	1.40	100	1.75	100	1.75	80	1.40
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	86	1.40	140	2.28	171	2.80	86	1.40	200	3.26
	<i>Diacyclops thomasi</i>	Vlm			120	2.13	29	0.51	43	0.76	40	0.71
Copepod Nauplii	Copepoda indet.	Nauplius			100	0.01	100	0.01			200	0.01
	Calanoida indet.	Nauplius			200	0.09	200	0.09	250	0.11	350	0.15
	Cyclopoida indet.	Nauplius	4,000	0.04	9,100	0.14	5,400	0.08	3,400	0.05	7,050	0.11
Rotifera	<i>Asplanchna</i> sp.				100	3.57			50	1.78		
	<i>Conochilus</i> sp.	Individual	2,200	1.19	1,200	0.76	400	0.25	400	0.25	850	0.54
	<i>Kellicottia</i> sp.		2,500	0.17	3,400	0.21	2,700	0.16	1,700	0.10	3,050	0.19
	<i>Keratella</i> sp. 1		300	0.11	400	0.12	600	0.18	100	0.03	400	0.12
	<i>Keratella</i> sp. 2				100	0.20						
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		100	0.05			200	0.10	200	0.10	100	0.05
	<i>Synchaeta</i> sp.											
	<i>Trichocerca</i> sp.											
Total			13,057	67.03	20,233	69.53	13,984	51.39	9,682	46.32	16,427	54.78

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-05-03		Mel-05-04		Mel-05-05		Mel-01-01		Mel-01-02	
		Replicate	Rep 2		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	16/08/2016		16/08/2016		16/08/2016		10/09/2016		10/09/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	200	3.48	1,400	24.37	320	5.57	148	1.05	77	0.54
	Chydoridae indet.	F							25	0.11		
	<i>Daphnia longiremis</i>	F	3,940	37.77	5,433	52.08	820	7.86	75	0.27	160	0.57
	<i>Holopedium gibberum</i>	F	60	0.99	133	2.19	7	0.11				
Calanoida	Calanoida indet.	I-V	27	0.20	46	0.34	80	0.59	3	0.01	3	0.02
	<i>Epischura lacustris</i>	Vlf	20	0.33	31	0.51	7	0.11				
	<i>Epischura lacustris</i>	Vlm	27	1.07	31	1.24	7	0.27				
	<i>Leptodiaptomus minutus</i>	Vlf	80	2.81	69	2.43	73	2.57	3	0.08	10	0.33
	<i>Leptodiaptomus minutus</i>	Vlm	40	1.29	62	1.98	53	1.72	3	0.07	7	0.19
	<i>Leptodiaptomus pribilofensis</i>	Vlf	60	1.15	31	0.59	7	0.13				
	<i>Leptodiaptomus pribilofensis</i>	Vlm	7	0.52	8	0.60	7	0.52				
Cyclopoida	Cyclopoida indet.	I-V	720	7.26	1,067	10.76	620	6.25	510	2.21	540	2.34
	<i>Cyclops scutifer</i>	Vlf	60	1.05	69	1.21	87	1.52				
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	180	2.94	267	4.35	100	1.63	3	0.04		
	<i>Diacyclops thomasi</i>	Vlm	20	0.36	33	0.59	40	0.71	3	0.04	7	0.11
Copepod Nauplii	Copepoda indet.	Nauplius	100	0.01					200	0.01	300	0.01
	Calanoida indet.	Nauplius	100	0.04	200	0.09			100	0.03	600	0.15
	Cyclopoida indet.	Nauplius	6,600	0.10	7,800	0.12	7,400	0.11	600	0.01	1,600	0.02
Rotifera	<i>Asplanchna</i> sp.						100	3.57	700	16.74	1,300	31.09
	<i>Conochilus</i> sp.	Individual	600	0.38	500	0.32	800	0.51	700	0.57	700	0.57
	<i>Kellicottia</i> sp.		3,000	0.18	3,800	0.23	3,100	0.19	600	0.05	2,800	0.24
	<i>Keratella</i> sp. 1		400	0.12	600	0.18			1,800	1.43	1,900	1.51
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.								200	0.09		
	<i>Polyarthra</i> sp.				200	0.10	100	0.05	900	1.74	300	0.58
	<i>Synchaeta</i> sp.								100	0.14		
	<i>Trichocerca</i> sp.											
Total			16,240	62.03	21,779	104.28	13,727	33.99	6,670	24.67	10,303	38.27

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-01-02		Mel-01-03		Mel-01-04		Mel-01-05		Mel-02-01	
		Replicate	Rep 4		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	10/09/2016		10/09/2016		10/09/2016		10/09/2016		11/09/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	67	0.47	93	0.66	123	0.87	52	0.37	184	2.68
	Chydoridae indet.	F	17	0.07	9	0.04	15	0.06	13	0.06	2	0.00
	<i>Daphnia longiremis</i>	F	140	0.50	84	0.30	230	0.82	73	0.26	86	0.87
	<i>Holopedium gibberum</i>	F										
Calanoida	Calanoida indet.	I-V	10	0.05	2	0.01			2	0.01	2	0.02
	<i>Epischura lacustris</i>	Vlf										
	<i>Epischura lacustris</i>	Vlm										
	<i>Leptodiaptomus minutus</i>	Vlf	3	0.11	4	0.15	5	0.16	3	0.10	14	0.51
	<i>Leptodiaptomus minutus</i>	Vlm			2	0.06	8	0.22			10	0.31
	<i>Leptodiaptomus pribilofensis</i>	Vlf									2	0.13
	<i>Leptodiaptomus pribilofensis</i>	Vlm										
Cyclopoida	Cyclopoida indet.	I-V	593	2.57	282	1.22	418	1.81	183	0.79	258	1.44
	<i>Cyclops scutifer</i>	Vlf										
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf			4	0.07	3	0.04	4	0.07	8	0.13
	<i>Diacyclops thomasi</i>	Vlm							1	0.02	12	0.20
Copepod Nauplii	Copepoda indet.	Nauplius	300	0.01	100	0.00	100	0.00	100	0.00	350	0.02
	Calanoida indet.	Nauplius	300	0.08	300	0.08	300	0.08	300	0.08	600	0.22
	Cyclopoida indet.	Nauplius	500	0.01	500	0.01	600	0.01	500	0.01	1,200	0.03
Rotifera	<i>Asplanchna</i> sp.		1,900	45.44	1,500	35.87	1,100	26.31	800	19.13	250	6.66
	<i>Conochilus</i> sp.	Individual	1,000	0.82	100	0.08	800	0.66	300	0.25	1,000	1.58
	<i>Kellicottia</i> sp.		4,500	0.39	4,400	0.38	1,400	0.12	3,600	0.31	800	0.06
	<i>Keratella</i> sp. 1		1,700	1.35	1,100	0.87	1,400	1.11	200	0.16	300	0.36
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		900	1.74	200	0.39	500	0.96	1,000	1.93	750	0.23
	<i>Synchaeta</i> sp.				100	0.14			200	0.28	350	0.37
	<i>Trichocerca</i> sp.											
Total			11,930	53.60	8,782	40.34	7,000	33.23	7,331	23.81	6,178	15.82

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-02-02		Mel-02-03		Mel-02-04		Mel-02-05		Mel-03-01	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	11/09/2016		11/09/2016		11/09/2016		11/09/2016		12/09/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	313	4.57	647	9.42	313	4.55	827	12.05	220	3.54
	Chydoridae indet.	F	3	0.01							2	0.01
	<i>Daphnia longiremis</i>	F	333	3.37	693	7.01	148	1.49	833	8.43	150	1.84
	<i>Holopedium gibberum</i>	F	7	0.17	20	0.51	8	0.19	7	0.17		
Calanoida	Calanoida indet.	I-V	7	0.05	20	0.16	10	0.08	7	0.05	4	0.03
	<i>Epischura lacustris</i>	Vlf			7	0.36	3	0.14			6	0.34
	<i>Epischura lacustris</i>	Vlm									7	0.29
	<i>Leptodiaptomus minutus</i>	Vlf			113	4.11	25	0.91	40	1.45	24	0.83
	<i>Leptodiaptomus minutus</i>	Vlm			33	1.03	8	0.23	33	1.03	30	0.87
	<i>Leptodiaptomus pribilofensis</i>	Vlf	33	2.21							1	0.07
	<i>Leptodiaptomus pribilofensis</i>	Vlm	10	0.53			3	0.13			1	0.09
Cyclopoida	Cyclopoida indet.	I-V	343	1.91	460	2.56	195	1.09	367	2.04	78	0.45
	<i>Cyclops scutifer</i>	Vlf	3	0.06					7	0.12		
	<i>Cyclops scutifer</i>	Vlm	3	0.10								
	<i>Diacyclops thomasi</i>	Vlf	97	1.58	120	1.96	15	0.24	33	0.54	20	0.33
	<i>Diacyclops thomasi</i>	Vlm	100	1.66	113	1.89	18	0.29	20	0.33	22	0.39
Copepod Nauplii	Copepoda indet.	Nauplius	350	0.02	350	0.02	250	0.02	350	0.02	250	0.01
	Calanoida indet.	Nauplius	1,000	0.37	950	0.35	650	0.24	600	0.22	500	0.20
	Cyclopoida indet.	Nauplius	1,500	0.03	1,900	0.04	1,200	0.03	1,500	0.03	900	0.02
Rotifera	<i>Asplanchna</i> sp.		150	4.00	550	14.65	400	10.65	300	7.99		
	<i>Conochilus</i> sp.	Individual	750	1.19	1,900	3.00	1,400	2.21	850	1.34	700	0.48
	<i>Kellicottia</i> sp.		900	0.07	1,700	0.13	1,500	0.11	1,150	0.09	1,150	0.08
	<i>Keratella</i> sp. 1		250	0.30	350	0.42	300	0.36	500	0.59	400	0.26
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		950	0.29	300	0.09	100	0.03	500	0.15	650	0.29
	<i>Synchaeta</i> sp.		100	0.11			450	0.48	450	0.48	100	0.11
	<i>Trichocerca</i> sp.								50	0.09		
Total			7,203	22.58	10,227	47.71	6,993	23.47	8,423	37.22	5,215	10.51

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-03-01		Mel-03-02		Mel-03-03		Mel-03-04		Mel-03-05	
		Replicate	Rep 5		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	12/09/2016		13/09/2016		13/09/2016		22/09/2016		22/09/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	338	5.43	233	3.74	565	9.08	42	0.68	84	1.35
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	255	3.13	205	2.51	360	4.41	8	0.10	35	0.43
	<i>Holopedium gibberum</i>	F			3	0.08	25	0.66	1	0.03	1	0.03
Calanoida	Calanoida indet.	I-V	8	0.06	3	0.02	5	0.04	3	0.02	1	0.01
	<i>Epischura lacustris</i>	Vlf	10	0.57			1	0.06				
	<i>Epischura lacustris</i>	Vlm	3	0.10	1	0.04	2	0.08				
	<i>Leptodiaptomus minutus</i>	Vlf	48	1.64	65	2.24	70	2.41	18	0.62	17	0.59
	<i>Leptodiaptomus minutus</i>	Vlm	23	0.65	25	0.72	70	2.02	11	0.32	10	0.29
	<i>Leptodiaptomus pribilofensis</i>	Vlf					5	0.36				
	<i>Leptodiaptomus pribilofensis</i>	Vlm					5	0.43				
Cyclopoida	Cyclopoida indet.	I-V	103	0.59	98	0.57	215	1.25	11	0.06		
	<i>Cyclops scutifer</i>	Vlf			3	0.04						
	<i>Cyclops scutifer</i>	Vlm										
	<i>Diacyclops thomasi</i>	Vlf	15	0.24	38	0.61	135	2.20	14	0.23	9	0.15
	<i>Diacyclops thomasi</i>	Vlm	18	0.31	30	0.53	140	2.48	8	0.14	5	0.09
Copepod Nauplii	Copepoda indet.	Nauplius	200	0.01	150	0.01	350	0.02	150	0.01	200	0.01
	Calanoida indet.	Nauplius	250	0.10	250	0.10	800	0.33	200	0.08	267	0.11
	Cyclopoida indet.	Nauplius	1,050	0.02	550	0.01	1,200	0.02	400	0.01	200	0.00
Rotifera	<i>Asplanchna</i> sp.				150	4.83	50	1.61	100	3.22	33	1.07
	<i>Conochilus</i> sp.	Individual	650	0.44	1,700	1.16	1,900	1.30	150	0.10		
	<i>Kellicottia</i> sp.		1,100	0.08	950	0.07	1,450	0.10	1,200	0.08	667	0.05
	<i>Keratella</i> sp. 1		300	0.19	150	0.10	150	0.10	550	0.35	33	0.02
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		250	0.11	100	0.04	250	0.11	650	0.29	67	0.03
	<i>Synchaeta</i> sp.		200	0.22	250	0.27	400	0.43	150	0.16	433	0.47
	<i>Trichocerca</i> sp.						100	0.67				
Total			4,818	13.89	4,952	17.70	8,248	30.18	3,666	6.50	2,062	4.69

Table 7E-4: Raw Zooplankton Data, 2016

Major Group	Taxon	Station	Mel-01-01-QA		Mel-02-05-QA		Mel-05-03-QA		Mel-01-01-QA		Mel-03-01-QA	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	11/08/2016		11/08/2016		16/08/2016		10/09/2016		12/09/2016	
			Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	9,000	63.94	3,060	44.59	360	6.27	120	0.85	164	2.64
	Chydoridae indet.	F	50	0.21					18	0.07	4	0.01
	<i>Daphnia longiremis</i>	F	1,100	3.94	1,880	19.02	3,420	32.78	75	0.27	130	1.59
	<i>Holopedium gibberum</i>	F	150	1.33	160	4.05	120	1.97				
Calanoida	Calanoida indet.	I-V	30	0.16	20	0.16	13	0.10	3	0.01	2	0.01
	<i>Epischura lacustris</i>	Vlf	3	0.16	10	0.55	20	0.33			3	0.17
	<i>Epischura lacustris</i>	Vlm	1	0.04	10	0.41	20	0.80			6	0.25
	<i>Leptodiaptomus minutus</i>	Vlf	60	1.97	80	2.90	60	2.11	5	0.16	30	1.03
	<i>Leptodiaptomus minutus</i>	Vlm	50	1.44	80	2.47	27	0.86	3	0.07	46	1.33
	<i>Leptodiaptomus pribilofensis</i>	Vlf	1	0.07	8	0.53	27	0.51			2	0.15
	<i>Leptodiaptomus pribilofensis</i>	Vlm			4	0.21	7	0.52			2	0.17
Cyclopoida	Cyclopoida indet.	I-V	620	2.68	780	4.34	1,260	12.71	335	1.45	18	0.10
	<i>Cyclops scutifer</i>	Vlf			20	0.35	1,120	19.59			4	0.07
	<i>Cyclops scutifer</i>	Vlm									4	0.12
	<i>Diacyclops thomasi</i>	Vlf	60	0.98	140	2.28	60	0.98	5	0.08	10	0.16
	<i>Diacyclops thomasi</i>	Vlm	30	0.47	60	1.00	160	2.84	3	0.04	20	0.35
Copepod Nauplii	Copepoda indet.	Nauplius	100	0.00			50	0.00	300	0.01	150	0.01
	Calanoida indet.	Nauplius	800	0.20	700	0.26	300	0.13	300	0.08	350	0.14
	Cyclopoida indet.	Nauplius	2,200	0.02	7,300	0.16	6,650	0.10	900	0.01	950	0.02
Rotifera	<i>Asplanchna</i> sp.		1,900	45.44	200	5.33			1,000	23.91		
	<i>Conochilus</i> sp.	Individual	18,200	14.93	3,500	5.53	700	0.45	900	0.74	1,400	0.96
	<i>Kellicottia</i> sp.		7,100	0.62	7,200	0.54	350	0.02	2,600	0.23	1,200	0.08
	<i>Keratella</i> sp. 1		5,600	4.44	1,600	1.90	700	0.21	2,300	1.82	500	0.32
	<i>Keratella</i> sp. 2											
	<i>Lecane</i> sp.											
	<i>Monostyla</i> sp.											
	<i>Ploesoma</i> sp.											
	<i>Polyarthra</i> sp.		400	0.77	1,000	0.31			400	0.77	500	0.22
	<i>Synchaeta</i> sp.		400	0.56			100	1.62	100	0.14	100	0.11
	<i>Trichocerca</i> sp.		200	0.10								
Total			48,055	144.48	27,912	96.89	15,523	84.89	9,365	30.72	5,595	10.03

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-01-01		Mel-01-02		Mel-01-03		Mel-01-03		Mel-01-04	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 2		Rep 1	
		Sampling Period	16/07/2017		16/07/2017		16/07/2017		16/07/2017		16/07/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	930	6.83	445	3.27	535	3.93	480	3.53	880	6.46
	Chydoridae indet.	F			5	0.06	25	0.30	5	0.06	10	0.12
	<i>Daphnia longiremis</i>	F	140	0.63	180	0.81	150	0.68			420	1.90
	<i>Daphnia</i> sp.	F					10	0.03	125	0.41		
	<i>Holopedium gibberum</i>	F	700	14.77	335	7.07	175	3.69	165	3.48	460	9.71
Calanoida	Calanoida indet.	I-V	410	3.05	300	2.23	380	2.82	285	2.12	320	2.38
	Calanoida indet.	VI f	10	0.14								
	<i>Epischura lacustris</i>	I-V	2	0.04	10	0.19	5	0.10	25	0.48	40	0.77
	<i>Epischura lacustris</i>	VI f	2	0.09	10	0.43			5	0.22	20	0.86
	<i>Epischura lacustris</i>	VI m	3	0.11	5	0.19	5	0.19	20	0.74	20	0.74
	<i>Leptodiaptomus minutus</i>	VI f			5	0.17			15	0.52	90	3.11
	<i>Leptodiaptomus minutus</i>	VI m							10	0.30	40	1.22
	<i>Leptodiaptomus pribilofensis</i>	VI f			5	0.26			5	0.26	20	1.04
	<i>Leptodiaptomus pribilofensis</i>	VI m									10	0.63
Cyclopoida	Cyclopoida indet.	I-V	170	1.12	130	0.85	155	1.02	140	0.92	210	1.38
	<i>Cyclops scutifer</i>	VI f										
	<i>Cyclops scutifer</i>	VI m										
	<i>Diacyclops thomasi</i>	VI f	20	0.52	20	0.52	15	0.39	25	0.65	90	2.33
	<i>Diacyclops thomasi</i>	VI m	10	0.18	15	0.27	25	0.45	30	0.54	100	1.80
Copepoda	Copepoda indet.	Nauplius	400	0.02	200	0.01	200	0.01	100	0.00		
	Calanoida indet.	Nauplius	100	0.03	500	0.13	200	0.05	400	0.11	700	0.19
	Cyclopoida indet.	Nauplius	1,200	0.02	1,300	0.02	1,100	0.01	800	0.01	1,900	0.02
Rotifera	<i>Asplanchna</i> sp.	n/a	500	9.87	1,000	19.73	900	17.76	700	13.81	1,200	23.68
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	3,100	2.36	4,600	3.50	2,500	1.90	5,100	3.88	4,500	3.42
	<i>Filinia</i> sp.	n/a							100	0.03	100	0.03
	<i>Kellicottia</i> sp.	n/a	3,900	0.37	4,400	0.41	5,900	0.55	6,800	0.64	5,500	0.52
	<i>Keratella</i> sp. 1	n/a	4,500	6.43	4,700	6.72	6,300	9.00	5,200	7.43	3,600	5.15
	<i>Keratella</i> sp. 2	n/a					100	0.10	100	0.10		
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a	200	0.00							100	0.00
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a	300	0.13	100	0.04	100	0.04	400	0.17	500	0.21
	<i>Synchaeta</i> sp.	n/a	600	1.18	400	0.78	300	0.59	900	1.76	400	0.78
	<i>Trichocerca</i> sp.	n/a	100	0.10								
Total			17,297	47.96	18,665	47.67	19,080	43.62	21,935	42.16	21,230	68.44

Notes: #/sample=number of organisms per sample; mg/sample=milligrams per sample (wet weight)

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-01-05		Mel-02-01		Mel-02-02		Mel-02-03		Mel-02-04	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	16/07/2017		23/07/2017		23/07/2017		23/07/2017		23/07/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	387	2.84	1,260	13.42	1,700	18.10	867	9.23	1,960	20.87
	Chydoridae indet.	F	13	0.16								
	<i>Daphnia longiremis</i>	F	127	0.57	580	5.53	1,940	18.49	447	4.26	4,000	38.12
	<i>Daphnia</i> sp.	F			10	0.10						
	<i>Holopedium gibberum</i>	F	137	2.88	110	2.28	460	9.54	80	1.66	460	9.54
Calanoida	Calanoida indet.	I-V	240	1.78	310	2.11	500	3.41	227	1.54	260	1.77
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V	10	0.19	30	0.72	40	0.97	27	0.64		
	<i>Epischura lacustris</i>	VI f	10	0.43	10	0.41			7	0.28	20	0.83
	<i>Epischura lacustris</i>	VI m	10	0.37	20	0.72	20	0.72	20	0.72		
	<i>Leptodiaptomus minutus</i>	VI f	23	0.81	10	0.38	20	0.75	13	0.50	100	3.77
	<i>Leptodiaptomus minutus</i>	VI m	3	0.10	10	0.31	20	0.63	7	0.21	20	0.63
	<i>Leptodiaptomus pribilofensis</i>	VI f										
	<i>Leptodiaptomus pribilofensis</i>	VI m										
Cyclopoida	Cyclopoida indet.	I-V	110	0.72	250	1.41	480	2.71	387	2.19	900	5.09
	<i>Cyclops scutifer</i>	VI f					40	1.28	7	0.21	100	3.21
	<i>Cyclops scutifer</i>	VI m			10	0.26	20	0.52	7	0.17	100	2.62
	<i>Diacyclops thomasi</i>	VI f	7	0.17	30	0.73	60	1.46	27	0.65		
	<i>Diacyclops thomasi</i>	VI m	7	0.12	40	0.70	60	1.05	60	1.05		
Copepoda	Copepoda indet.	Nauplius	250	0.01	100	0.01	500	0.05	500	0.05	700	0.07
	Calanoida indet.	Nauplius	500	0.13	500	0.11	1,000	0.21	400	0.09	600	0.13
	Cyclopoida indet.	Nauplius	2,000	0.03	1,100	0.02	2,900	0.06	2,100	0.04	1,300	0.03
Rotifera	<i>Asplanchna</i> sp.	n/a	500	9.87	500	12.73			300	7.64	300	7.64
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	4,000	3.04	3,500	4.40	4,700	5.91	1,400	1.76	4,400	5.53
	<i>Filinia</i> sp.	n/a										
	<i>Kellicottia</i> sp.	n/a	5,250	0.49	2,100	0.18	2,900	0.25	1,600	0.14	4,100	0.35
	<i>Keratella</i> sp. 1	n/a	7,750	11.08	2,100	2.63	1,400	1.75	1,500	1.88	1,100	1.38
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a									200	0.00
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a	500	0.21	600	0.24	700	0.28	300	0.12	300	0.12
	<i>Synchaeta</i> sp.	n/a	2,000	3.92					100	0.09		
	<i>Trichocerca</i> sp.	n/a										
Total			23,833	39.94	13,180	49.39	19,460	68.12	10,380	35.10	20,920	101.67

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-02-05		Mel-02-05		Mel-03-01		Mel-03-01		Mel-03-02	
		Replicate	Rep 1		Rep 2		Rep 1		Rep 2		Rep 1	
		Sampling Period	23/07/2017		23/07/2017		21/07/2017		21/07/2017		21/07/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	2,500	26.62	1,920	20.44	4,840	72.58	4,180	62.69	2,367	35.49
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	4,600	43.84	3,300	31.45	860	7.30	1,040	8.82	3,867	32.81
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	667	13.82	420	8.71	40	1.18	40	1.18	60	1.77
Calanoida	Calanoida indet.	I-V			380	2.59	800	6.25	640	5.00	400	3.13
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V					60	1.23	20	0.41	30	0.61
	<i>Epischura lacustris</i>	VI f	33	1.38	20	0.83					10	0.46
	<i>Epischura lacustris</i>	VI m					20	0.81	20	0.81	30	1.21
	<i>Leptodiaptomus minutus</i>	VI f	33	1.26	40	1.51			20	0.76	20	0.76
	<i>Leptodiaptomus minutus</i>	VI m	33	1.04	20	0.63						
	<i>Leptodiaptomus pribilofensis</i>	VI f										
	<i>Leptodiaptomus pribilofensis</i>	VI m										
Cyclopoida	Cyclopoida indet.	I-V	800	4.52	620	3.50	400	2.73	420	2.87	720	4.92
	<i>Cyclops scutifer</i>	VI f	133	4.28	20	0.64	40	1.54	40	1.54	100	3.86
	<i>Cyclops scutifer</i>	VI m	200	5.25	20	0.52	80	2.04	120	3.06	40	1.02
	<i>Diacyclops thomasi</i>	VI f			60	1.46			40	0.89		
	<i>Diacyclops thomasi</i>	VI m			120	2.10	20	0.35	80	1.41		
Copepoda	Copepoda indet.	Nauplius	400	0.04	400	0.04	200	0.01	200	0.01	300	0.02
	Calanoida indet.	Nauplius	1,600	0.34	1,000	0.21	600	0.16	1,100	0.29	800	0.21
	Cyclopoida indet.	Nauplius	1,400	0.03	1,400	0.03	1,600	0.03	2,300	0.05	1,900	0.04
Rotifera	<i>Asplanchna</i> sp.	n/a	400	10.18	400	10.18	300	6.30	400	8.41	400	8.41
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	5,000	6.28	6,500	8.17	1,000	1.14	1,600	1.82	1,100	1.25
	<i>Filinia</i> sp.	n/a			100	0.02						
	<i>Kellicottia</i> sp.	n/a	3,700	0.32	6,800	0.58	2,600	0.20	2,500	0.19	2,700	0.20
	<i>Keratella</i> sp. 1	n/a	1,500	1.88	1,000	1.25	700	0.74	1,200	1.26	900	0.95
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a										
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a	500	0.20	400	0.16	400	0.19	200	0.10	400	0.19
	<i>Synchaeta</i> sp.	n/a	100	0.09			600	0.84	200	0.28	200	0.28
	<i>Trichocerca</i> sp.	n/a										
Total			23,600	121.36	24,940	95.02	15,160	105.63	16,360	101.84	16,343	97.59

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-03-03		Mel-03-04		Mel-03-05		Mel-01-01		Mel-01-02	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	21/07/2017		21/07/2017		21/07/2017		09/08/2017		09/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,133	17.00	625	9.37	263	3.94	1,970	14.47	7,033	51.67
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	7,467	63.35	4,150	35.21	1,538	13.05	770	3.48	2,567	11.61
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	100	2.96	100	2.96	75	2.22	70	1.48	467	9.85
Calanoida	Calanoida indet.	I-V	1,533	11.99	1,150	8.99	488	3.81	30	0.22	33	0.25
	Calanoida indet.	VI f			25	0.35	25	0.35				
	<i>Epischura lacustris</i>	I-V	100	2.04	150	3.06	163	3.32			33	0.64
	<i>Epischura lacustris</i>	VI f			25	1.14	38	1.72	10	0.43		
	<i>Epischura lacustris</i>	VI m			50	2.02	13	0.50				
	<i>Leptodiaptomus minutus</i>	VI f							10	0.35		
	<i>Leptodiaptomus minutus</i>	VI m							30	0.91		
	<i>Leptodiaptomus pribilofensis</i>	VI f										
	<i>Leptodiaptomus pribilofensis</i>	VI m										
Cyclopoida	Cyclopoida indet.	I-V	1,833	12.52	1,725	11.78	1,363	9.31	150	0.99	400	2.63
	<i>Cyclops scutifer</i>	VI f	100	3.86	175	6.75	150	5.79				
	<i>Cyclops scutifer</i>	VI m	100	2.55	100	2.55	13	0.32				
	<i>Diacyclops thomasi</i>	VI f	133	2.96	75	1.67	50	1.11			67	1.73
	<i>Diacyclops thomasi</i>	VI m	133	2.34	75	1.32	13	0.22	10	0.18	33	0.60
Copepoda	Copepoda indet.	Nauplius	700	0.04	400	0.02	200	0.01				
	Calanoida indet.	Nauplius	1,800	0.47	2,000	0.53	800	0.21	50	0.01	200	0.05
	Cyclopoida indet.	Nauplius	3,100	0.06	3,900	0.08	1,200	0.02	400	0.01	600	0.01
Rotifera	<i>Asplanchna</i> sp.	n/a	500	10.51	400	8.41			350	6.91	2,000	39.47
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	2,400	2.73	1,300	1.48	1,300	1.48	900	0.68	3,700	2.81
	<i>Filinia</i> sp.	n/a										
	<i>Kellicottia</i> sp.	n/a	3,700	0.28	5,000	0.38	2,700	0.20	1,600	0.15	8,000	0.75
	<i>Keratella</i> sp. 1	n/a	1,100	1.16	1,000	1.05	400	0.42	600	0.86	1,600	2.29
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a										
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a							50	0.02		
	<i>Polyarthra</i> sp.	n/a	500	0.24	800	0.39	600	0.29	100	0.04	100	0.04
	<i>Synchaeta</i> sp.	n/a	100	0.14	100	0.14					100	0.20
	<i>Trichocerca</i> sp.	n/a										
Total			26,533	137.21	23,325	99.64	11,388	48.28	7,100	31.19	26,933	124.58

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-01-03		Mel-01-04		Mel-01-05		Mel-02-01		Mel-02-01	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 2	
		Sampling Period	09/08/2017		09/08/2017		09/08/2017		11/08/2017		11/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	3,520	25.86	5,020	36.88	3,700	27.18	1,730	18.42	1,890	20.12
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	1,880	8.50	660	2.99	620	2.80	710	6.77	960	9.15
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	360	7.60	180	3.80	180	3.80	50	1.04	60	1.24
Calanoida	Calanoida indet.	I-V	120	0.89	20	0.15	200	1.49	150	1.02	110	0.75
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V	20	0.38								
	<i>Epischura lacustris</i>	VI f										
	<i>Epischura lacustris</i>	VI m					20	0.74				
	<i>Leptodiaptomus minutus</i>	VI f	40	1.38			120	4.15	140	5.28	100	3.77
	<i>Leptodiaptomus minutus</i>	VI m	40	1.22	20	0.61	60	1.82	110	3.44	70	2.19
	<i>Leptodiaptomus pribilofensis</i>	VI f										
	<i>Leptodiaptomus pribilofensis</i>	VI m										
Cyclopoida	Cyclopoida indet.	I-V	420	2.76	200	1.31	380	2.50	320	1.81	280	1.58
	<i>Cyclops scutifer</i>	VI f							20	0.64	20	0.64
	<i>Cyclops scutifer</i>	VI m										
	<i>Diacyclops thomasi</i>	VI f	100	2.59			80	2.07	70	1.70	60	1.46
	<i>Diacyclops thomasi</i>	VI m			40	0.72	40	0.72	20	0.35	30	0.53
Copepoda	Copepoda indet.	Nauplius					200	0.01	250	0.02	350	0.03
	Calanoida indet.	Nauplius	100	0.03	300	0.08	400	0.11	600	0.13	850	0.18
	Cyclopoida indet.	Nauplius	600	0.01	400	0.01	800	0.01	1,900	0.04	1,750	0.03
Rotifera	<i>Asplanchna</i> sp.	n/a	700	13.81	1,200	23.68	1,100	21.71	50	1.27	300	7.64
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	2,300	1.75	2,400	1.83	2,500	1.90	950	1.19	1,450	1.82
	<i>Filinia</i> sp.	n/a					100	0.03				
	<i>Kellicottia</i> sp.	n/a	3,100	0.29	2,900	0.27	3,500	0.33	1,150	0.10	1,400	0.12
	<i>Keratella</i> sp. 1	n/a	1,200	1.72	2,200	3.14	1,400	2.00	300	0.38	200	0.25
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a							50	0.00	50	0.00
	<i>Notholca</i> sp.	n/a			200	0.09						
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a	100	0.04	200	0.08	200	0.08	50	0.02	150	0.06
	<i>Synchaeta</i> sp.	n/a	100	0.20	100	0.20						
	<i>Trichocerca</i> sp.	n/a										
Total			14,700	69.02	16,040	75.83	15,600	73.45	8,620	43.62	10,080	51.57

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-02-02		Mel-02-03		Mel-02-04		Mel-02-05		Mel-03-01	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	11/08/2017		11/08/2017		11/08/2017		11/08/2017		13/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	4,120	43.87	5,240	55.79	2,175	23.16	1,000	10.65	592	8.88
	Chydoridae indet.	F							7	0.10		
	<i>Daphnia longiremis</i>	F	1,960	18.68	620	5.91	638	6.08			292	2.48
	<i>Daphnia</i> sp.	F							567	5.80		
	<i>Holopedium gibberum</i>	F	580	12.02	20	0.41	63	1.30	60	1.24	4	0.12
Calanoida	Calanoida indet.	I-V	200	1.36	260	1.77	125	0.85	40	0.27	52	0.41
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V									4	0.08
	<i>Epischura lacustris</i>	VI f	20	0.83					7	0.28	8	0.37
	<i>Epischura lacustris</i>	VI m										
	<i>Leptodiaptomus minutus</i>	VI f	360	13.58	300	11.32	75	2.83	47	1.76	68	2.59
	<i>Leptodiaptomus minutus</i>	VI m	160	5.00	260	8.13	88	2.74	27	0.83	64	2.04
	<i>Leptodiaptomus pribilofensis</i>	VI f										
	<i>Leptodiaptomus pribilofensis</i>	VI m										
Cyclopoida	Cyclopoida indet.	I-V	460	2.60	340	1.92	225	1.27	180	1.02	36	0.25
	<i>Cyclops scutifer</i>	VI f					13	0.40			8	0.31
	<i>Cyclops scutifer</i>	VI m									4	0.10
	<i>Diacyclops thomasi</i>	VI f	160	3.88	260	6.31	88	2.12	47	1.13	12	0.27
	<i>Diacyclops thomasi</i>	VI m	60	1.05	140	2.45	113	1.97	60	1.05	12	0.21
Copepoda	Copepoda indet.	Nauplius	100	0.01	300	0.03	300	0.03	100	0.01	150	0.01
	Calanoida indet.	Nauplius	1,500	0.32	900	0.19	1,700	0.36	1,100	0.24	50	0.01
	Cyclopoida indet.	Nauplius	2,100	0.04	1,700	0.03	2,000	0.04	1,300	0.03	1,100	0.02
Rotifera	<i>Asplanchna</i> sp.	n/a	100	2.55	300	7.64					50	1.05
	<i>Collotheca</i> sp.	n/a	100	1.39								
	<i>Conochilus</i> sp.	n/a	900	1.13	1,600	2.01	3,700	4.65	2,000	2.51	1,850	2.11
	<i>Filinia</i> sp.	n/a							100	0.02		
	<i>Kellicottia</i> sp.	n/a	2,300	0.20	2,700	0.23	3,000	0.26	2,800	0.24	1,300	0.10
	<i>Keratella</i> sp. 1	n/a	200	0.25	400	0.50	100	0.13	100	0.13	100	0.11
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a	100	0.00	200	0.00						
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a					200	0.08	100	0.04	150	0.07
	<i>Synchaeta</i> sp.	n/a							100	0.09		
	<i>Trichocerca</i> sp.	n/a										
Total			15,480	108.76	15,540	104.66	14,600	48.26	9,740	27.44	5,906	21.57

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-03-02		Mel-03-03		Mel-03-03		Mel-03-04		Mel-03-05	
		Replicate	Rep 1		Rep 1		Rep 2		Rep 1		Rep 1	
		Sampling Period	13/08/2017		13/08/2017		13/08/2017		13/08/2017		13/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	190	2.85	1,486	22.28	1,571	23.57	1,490	22.34	765	11.47
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	163	1.38	1,943	16.48	1,286	10.91	660	5.60	520	4.41
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	15	0.44	29	0.84	43	1.27	30	0.89	25	0.74
Calanoida	Calanoida indet.	I-V	45	0.35	171	1.34	300	2.35	220	1.72	110	0.86
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V							20	0.41	5	0.10
	<i>Epischura lacustris</i>	VI f							10	0.46		
	<i>Epischura lacustris</i>	VI m					14	0.58				
	<i>Leptodiaptomus minutus</i>	VI f	38	1.43	114	4.35	86	3.26	150	5.71	55	2.09
	<i>Leptodiaptomus minutus</i>	VI m	18	0.56	71	2.28	100	3.19	140	4.47	40	1.28
	<i>Leptodiaptomus pribilofensis</i>	VI f									5	0.37
	<i>Leptodiaptomus pribilofensis</i>	VI m									5	0.30
Cyclopoida	Cyclopoida indet.	I-V	65	0.44	186	1.27	214	1.46	90	0.61	45	0.31
	<i>Cyclops scutifer</i>	VI f	23	0.87			29	1.10	10	0.39	10	0.39
	<i>Cyclops scutifer</i>	VI m	3	0.06								
	<i>Diacyclops thomasi</i>	VI f			57	1.27	57	1.27	30	0.67	15	0.33
	<i>Diacyclops thomasi</i>	VI m					14	0.25	30	0.53	15	0.26
Copepoda	Copepoda indet.	Nauplius	100	0.01	150	0.01	200	0.01	300	0.02	200	0.01
	Calanoida indet.	Nauplius	100	0.03	150	0.04	100	0.03	800	0.21	450	0.12
	Cyclopoida indet.	Nauplius	650	0.01	1,900	0.04	1,950	0.04	1,800	0.04	1,450	0.03
Rotifera	<i>Asplanchna</i> sp.	n/a	50	1.05	50	1.05	250	5.25	200	4.20	100	2.10
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	1,350	1.54	2,900	3.30	2,300	2.62	3,700	4.21	3,350	3.81
	<i>Filinia</i> sp.	n/a										
	<i>Kellicottia</i> sp.	n/a	2,200	0.17	2,300	0.17	2,200	0.17	2,100	0.16	1,950	0.15
	<i>Keratella</i> sp. 1	n/a	200	0.21	100	0.11	500	0.53	200	0.21	250	0.26
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a										
	<i>Monostyla</i> sp.	n/a										
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a			50	0.02	100	0.05	100	0.05	100	0.05
	<i>Synchaeta</i> sp.	n/a	50	0.07								
	<i>Trichocerca</i> sp.	n/a										
Total			5,258	11.46	11,657	54.86	11,314	57.89	12,080	52.89	9,465	29.46

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-04-01		Mel-04-02		Mel-04-03		Mel-04-04		Mel-04-05	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 1		Rep 1	
		Sampling Period	15/08/2017		15/08/2017		15/08/2017		15/08/2017		15/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	470	7.43	1,460	23.07	455	7.19	1,060	16.75	1,920	30.34
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	960	9.37	2,360	23.04	405	3.95	2,300	22.45	590	5.76
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	160	3.47	80	1.74	10	0.22	700	15.19	70	1.52
Calanoida	Calanoida indet.	I-V	400	3.29	660	5.43	55	0.45	580	4.77	60	0.49
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V										
	<i>Epischura lacustris</i>	VI f			20	1.18	5	0.29				
	<i>Epischura lacustris</i>	VI m	20	0.82	40	1.65	5	0.21	20	0.82		
	<i>Leptodiaptomus minutus</i>	VI f	310	10.88	400	14.03	40	1.40	480	16.84	70	2.46
	<i>Leptodiaptomus minutus</i>	VI m	260	7.25	460	12.84	20	0.56	580	16.18	130	3.63
	<i>Leptodiaptomus pribilofensis</i>	VI f	10	0.68	20	1.36	5	0.34	20	1.36	10	0.68
	<i>Leptodiaptomus pribilofensis</i>	VI m	10	0.62	60	3.72						
Cyclopoida	Cyclopoida indet.	I-V	650	5.55	700	5.98	125	1.07	1,060	9.06	80	0.68
	<i>Cyclops scutifer</i>	VI f	20	0.72	40	1.44	15	0.54	60	2.17		
	<i>Cyclops scutifer</i>	VI m	10	0.22								
	<i>Diacyclops thomasi</i>	VI f	30	0.66	60	1.33	20	0.44	160	3.54	10	0.22
	<i>Diacyclops thomasi</i>	VI m	40	0.65	60	0.98	10	0.16	100	1.63		
Copepoda	Copepoda indet.	Nauplius	300	0.01	300	0.01			300	0.01	350	0.02
	Calanoida indet.	Nauplius	1,900	0.46	900	0.22	1,700	0.42	800	0.20	1,100	0.27
	Cyclopoida indet.	Nauplius	2,300	0.03	2,900	0.04	3,600	0.05	2,300	0.03	2,200	0.03
Rotifera	<i>Asplanchna</i> sp.	n/a	100	2.78	100	2.78	100	2.78	400	11.11	200	5.56
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	1,700	1.83	3,300	3.55	1,100	1.18	3,300	3.55	1,950	2.10
	<i>Filinia</i> sp.	n/a										
	<i>Kellicottia</i> sp.	n/a	900	0.06	2,000	0.13	2,200	0.14	2,800	0.18	1,100	0.07
	<i>Keratella</i> sp. 1	n/a	0		0		200	0.19	300	0.29	200	0.19
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a					100	0.00				
	<i>Monostyla</i> sp.	n/a					100	0.00				
	<i>Notholca</i> sp.	n/a									100	0.03
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a	100	0.04					300	0.13	150	0.06
	<i>Synchaeta</i> sp.	n/a									50	0.02
	<i>Trichocerca</i> sp.	n/a										
Total			10,650	56.85	15,920	104.52	10,270	21.59	17,620	126.28	10,340	54.12

Table 7E-5: Raw Zooplankton Data, 2017

Major Group	Taxon	Station	Mel-05-01		Mel-05-02		Mel-05-03		Mel-05-03		Mel-05-04	
		Replicate	Rep 1		Rep 1		Rep 1		Rep 2		Rep 1	
		Sampling Period	12/08/2017		12/08/2017		12/08/2017		12/08/2017		12/08/2017	
		Stage	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)	Abundance (#/sample)	Biomass (mg/sample)
Cladocera	Bosminidae indet.	F	1,330	16.82	1,680	21.25	840	10.62	708	8.96	2,120	26.81
	Chydoridae indet.	F										
	<i>Daphnia longiremis</i>	F	790	6.50	810	6.66	1,010	8.31	625	5.14	3,360	27.63
	<i>Daphnia</i> sp.	F										
	<i>Holopedium gibberum</i>	F	260	7.31	110	3.09	100	2.81	158	4.45	400	11.25
Calanoida	Calanoida indet.	I-V	110	0.98	130	1.16	150	1.34	117	1.04	340	3.03
	Calanoida indet.	VI f										
	<i>Epischura lacustris</i>	I-V										
	<i>Epischura lacustris</i>	VI f	10	0.56			10	0.56	8	0.46	20	1.11
	<i>Epischura lacustris</i>	VI m	20	0.81	30	1.22			8	0.34	20	0.81
	<i>Leptodiaptomus minutus</i>	VI f	120	4.76	90	3.57	150	5.95	158	6.28	420	16.66
	<i>Leptodiaptomus minutus</i>	VI m	80	2.61	70	2.28	200	6.52	183	5.98	480	15.66
	<i>Leptodiaptomus pribilofensis</i>	VI f	20	0.79	10	0.40			8	0.33		
	<i>Leptodiaptomus pribilofensis</i>	VI m					10	0.71			20	1.42
Cyclopoida	Cyclopoida indet.	I-V	120	1.22	210	2.14	190	1.93	308	3.14	480	4.88
	<i>Cyclops scutifer</i>	VI f			10	0.37			8	0.31		
	<i>Cyclops scutifer</i>	VI m										
	<i>Diacyclops thomasi</i>	VI f	20	0.47	20	0.47	30	0.70	50	1.17	60	1.41
	<i>Diacyclops thomasi</i>	VI m	20	0.35	20	0.35	20	0.35	42	0.72	80	1.38
Copepoda	Copepoda indet.	Nauplius	150	0.01	200	0.01	200	0.01	100	0.00	500	0.02
	Calanoida indet.	Nauplius	600	0.12	800	0.16	400	0.08	600	0.12	1,200	0.23
	Cyclopoida indet.	Nauplius	2,250	0.04	3,100	0.06	1,550	0.03	1,400	0.03	3,900	0.08
Rotifera	<i>Asplanchna</i> sp.	n/a	50	1.28	200	5.12	100	2.56	200	5.12		
	<i>Collotheca</i> sp.	n/a										
	<i>Conochilus</i> sp.	n/a	1,600	1.56	1,100	1.07	1,100	1.07	1,800	1.76	1,600	1.56
	<i>Filinia</i> sp.	n/a										
	<i>Kellicottia</i> sp.	n/a	1,950	0.20	2,300	0.24	1,900	0.20	2,800	0.29	2,600	0.27
	<i>Keratella</i> sp. 1	n/a	100	0.06	300	0.19	100	0.06	400	0.26	100	0.06
	<i>Keratella</i> sp. 2	n/a										
	<i>Lecane</i> sp.	n/a									100	0.00
	<i>Monostyla</i> sp.	n/a										
	<i>Notholca</i> sp.	n/a										
	Ploima indet.	n/a										
	<i>Polyarthra</i> sp.	n/a			100	0.05	50	0.02	100	0.05	300	0.14
	<i>Synchaeta</i> sp.	n/a										
	<i>Trichocerca</i> sp.	n/a										
Total			9,600	46.46	11,290	49.85	8,110	43.84	9,783	45.94	18,100	114.43