



MEMORANDUM

- conventional parameters (i.e., alkalinity [total, bicarbonate, carbonate, and hydroxide], conductivity, hardness, pH, total dissolved solids [TDS], total suspended solids [TSS], and turbidity);
- major ions (i.e., bromide, calcium, chloride, fluoride, magnesium, potassium, sodium, and sulphate);
- nutrients (i.e., total organic carbon [TOC], dissolved organic carbon [DOC], total Kjeldahl nitrogen [TKN], total ammonia, nitrate, nitrite, total phosphorus [TP], total dissolved phosphorus [TDP], dissolved orthophosphate, and silicate); and
- total and dissolved metals, metalloids, and non-metals (i.e., aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, cesium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, rubidium, selenium, silicon, silver, strontium, sulfur, tellurium, thallium, thorium, tin, titanium, tungsten, uranium, vanadium, zinc, and zirconium).

Table 1: Sample Collection Summary

Current Station ID	Original Station ID	UTM Zone 14W		August Program			September Program		
		Easting	Northing	Date	Field Data Measured	WQ Sample Collected	Date	Field Data Measured	WQ Sample Collected
A18-A17	A17-A16	606637	7253084	4-Aug-15	yes	yes	19-Sep-15	yes	Yes
A17-A16	A16-A14	606269	7255286	7-Aug-15	yes	no	17-Sep-15	yes	Yes
C38-C12	C58 Outlet	606635	7258187	4-Aug-15	yes	yes	19-Sep-15	yes	Yes
A14-A13	A12-A11	602978	7255643	4-Aug-15	yes	yes	-	-	-
A12-A77	A10-A9	602772	7256632	5-Aug-15	yes	no	18-Sep-15	yes	No
A12-A11	A10-B11	603297	7256774	5-Aug-15	yes	no	19-Sep-15	yes	No
A69-DS1	A1-DS1	598452	7256756	4-Aug-15	yes	yes	19-Sep-15	yes	Yes
DS1	D1	599116	7268305	5-Aug-15	yes	yes	19-Sep-15	yes	No
A65-A17	A23-A16	607487	7252319	5-Aug-15	no water in channel		-	-	-
A55-A17	A34-A16	608010	7254529	7-Aug-15	yes	yes	17-Sep-15	yes	Yes
A21-A20	A20-A19	604557	7252299	6-Aug-15	yes	yes	-	-	-
A76-A75	A8-A7	601358	7256775	5-Aug-15	yes	yes	-	-	-
B3-B2	A92-A91	600133	7258962	7-Aug-15	yes	no	-	-	-
A81-A80	A101-A100	598340	7255446	8-Aug-15	yes	yes	17-Sep-15	yes	No
A5-A4	B5-B4	600130	7260456	6-Aug-15	yes	yes	-	-	-
A53-A17	A40-A16	607914	7255485	7-Aug-15	yes	no	-	-	-
C8-C7	C8-C7	604266	7260887	8-Aug-15	yes	yes	-	-	-
A76-A41	A8-B10	602904	7257119	-	-	-	19-Sep-15	yes	No
A15-A14	A13-A12	603003	7255649	-	-	-	21-Sep-15	yes	Yes
E2-E1 (travel blank)	E2-E1 (travel blank)	-	-	8-Aug-15	-	yes	-	-	-
E3-E2 (duplicate from A76-A75)	E3-E2 (duplicate from A8-A7)	-	-	5-Aug-15	-	yes	-	-	-
E5-E4 (duplicate from A69-DS1)	E5-E4 (duplicate from A1-DS1)	-	-	-	-	-	19-Sep-15	-	yes



MEMORANDUM

Table 2: August and September Field Data

Current Station ID	Original Station ID	UTM (easting), Zone 14W	UTM (northing), Zone 14W	Date (D/M/Y)	WQ Sample collected (yes/no)	Total Depth (m)	Sample Depth (m)	Water Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
A18-A17	A17-A16	606637	7253084	4-Aug-15	yes	0.17	0.1	17.2	10.1	103	15.1	6.71
A17-A16	A16-A14	606269	7255286	7-Aug-15	no	0.25	0.1	13.8	8.9	86	20.8	6.8
C38-C12	C58 Outlet	606635	7258187	4-Aug-15	yes	0.12	0.08	16.1	10.4	105	24.1	6.65
A14-A13	A12-A11	602978	7255643	4-Aug-15	yes	0.65	0.3	14.4	10	101	23.5	6.53
A12-A77	A10-A9	602772	7256632	5-Aug-15	no	0.25	0.15	14.6	9.7	96	23.2	6.73
A12-A11	A10-B11	603297	7256774	5-Aug-15	no	-	-	14.3	9.7	95	23.4	6.72
A69-DS1	A1-DS1	598452	7256756	4-Aug-15	yes	0.3	0.15	14.6	10.2	100	17.1	6.6
DS1	D1	599116	7268305	5-Aug-15	yes	0.35	0.2	13.6	11.1	107	20.8	7.02
A65-A17	A23-A16	607487	7252319	5-Aug-15	no	-	-	-	-	-	-	-
A55-A17	A34-A16	608010	7254529	7-Aug-15	yes	0.15	0.1	16.6	10.1	102	14.9	6.48
A21-A20	A20-A19	604557	7252299	6-Aug-15	yes	0.2	0.1	17.2	9.6	98.7	13.4	6.75
A76-A75	A8-A7	601358	7256775	5-Aug-15	Yes & duplicate	0.35	0.2	13.1	9.6	93	22	6.93
B3-B2	A92-A91	600133	7258962	7-Aug-15	no	0.15	0.1	14.5	8.9	90	15.5	6.25
A81-A80	A101-A100	598340	7255446	8-Aug-15	yes	0.25	0.1	15.4	9.5	95	12	6.52
A5-A4	B5-B4	600130	7260456	6-Aug-15	yes	0.2	0.1	15.5	10	100	20.6	6.23
A53-A17	A40-A16	607914	7255485	7-Aug-15	no	0.1	0.05	16.2	9.6	100	15.2	6.62
C8-C7	C8-C7	604266	7260887	8-Aug-15	yes	0.3	0.1	12.6	10.7	101	25.1	6.85
A81-A80	A101-A100	598347	7255434	17-Sep-15	No	-	<0.3	3.2	12.5	94	11.4	7.2
A55-A17	A34-A16	608010	7254529	17-Sep-15	Yes	-	<0.3		13.1	98	-	7.25
A17-A16	A16-A14	606189	7255256	17-Sep-15	Yes	-	<0.3		12.7	96	18	7.16
A12-A77	A10-A9	602772	7256620	18-Sep-15	No	-	<0.3	3.3	12.7	96	18.2	8.04
A69-DS1	A1-DS1	598443	7256729	18-Sep-15	No	-	<0.3	3.9	13	100	12.2	7.77
A12-A11	A10-B11	603030	7256592	19-Sep-15	No	-	<0.3	2.9	13.2	100	17.4	8.02
A76-A41	A8-B10	602904	7257119	19-Sep-15	No	-	<0.3	4.1	11.6	90	15.6	7.71
C38-C12	C58	606634	7258188	19-Sep-15	Yes	-	<0.3	5.5	11.8	95	16.3	7.14
DS1	DS1	599158	7268338	19-Sep-15	No	-	<0.3	6	12.1	98	15.5	7.14
A69-DS1	A1-DS1	598443	7256729	19-Sep-15	Yes & duplicate	-	<0.3	4.2	12.7	99	12.9	7.33
A18-A17	A17-A16	606635	7253081	19-Sep-15	Yes	-	<0.3	4.7	12.5	98	10.5	7.14
A15-A14	A13-A12	603003	7255649	21-Sep-15	Yes	-	<0.3	1.8	12.9	98	17.7	7.08



MEMORANDUM

Table 3: August and September Field Notes

Revised Station ID	Original Station ID	Air Temperature (°C)	Cloud Cover (%)	Wind (dir/rate)	Weather	Other Notes:
A18-A17	A17-A16	21.3	2	from south @ 10 km/h	clear, sunny	water level low; boulder/cobble substrate
A17-A16	A16-A14	15.2	10	from south, gusting to 20 km/h	clear, windy, cool	moderate periphyton cover; very slow flowing water; clear, colourless; 100% boulder
C38-C12	C58 Outlet	20.4	30	from south @ 10-15 km/h	clear, sunny	-
A14-A13	A12-A11	22	19	from south @ 5 km/h	clear, sunny	substrate is large boulder throughout
A12-A77	A10-A9	14.2	45	south, gusting to 30 km/h	breezy, cool	watercourse not on original list; field data only
A12-A11	A10-B11	14.2	45	south, gusting to 30 km/h	breezy, cool	no sample collected
A69-DS1	A1-DS1	15.5	5	from south @ 5 km/h	clear, sunny	meters calibrated morning of August 4; fish observed; cobble substrate
DS1	D1	14	80	south at 35 km/h	windy, cool	fast moving water, large channel
A65-A17	A23-A16	-	-	-	-	fly over only; no water in channel
A55-A17	A34-A16	18.4	5	from south at 15 km/h	clear, breezy, sunny	high periphyton cover along shoreline, but sparse mid-channel; 90% boulder, 10% cobble
A21-A20	A20-A19	20.4	15	SW at 15 km/h	clear, sunny	periphyton present; no observable flow or distinct channel; clear, colourless water
A76-A75	A8-A7	12.5	25	30 km/h from south	clear, cool and breezy	drainage through large boulder garden; duplicate sample (E3-E2) collected
B3-B2	A92-A91	24.3	2	south at 15 km/h	sunny, clear, breezy	small, shallow channel; boulder 40%, cobble 30%, small gravel 30%; moderate periphyton cover spread across channel
A81-A80	A101-A100	16	85	N @ 10 km/h	overcast, cool, windy	fish observed; periphyton with moderate coverage; 100% boulder
A5-A4	B5-B4	20	35	south @ 10 km/h	clear, sunny	periphyton present (see field book); good flow, but dispersed throughout boulder garden; clear, colourless water
A53-A17	A40-A16	15.8	5	south @ 15 km/h	clear, windy, sunny	organic substrate, few boulders; small drainage creek east of camp; total periphyton coverage on bed; som flow observable



MEMORANDUM

Revised Station ID	Original Station ID	Air Temperature (°C)	Cloud Cover (%)	Wind (dir/rate)	Weather	Other Notes:
C8-C7	C8-C7	14.7	100	NE @ 10-20 km/h	overcast, cool and windy	short outflow channel (~40 m); fast moving water, obvious change in elevation between lakes; periphyton present with moderate cover
A81-A80	A101-A100	~2 C	low cloud cover	very windy	-	
A55-A17	A34-A16	~2 C	low cloud cover	very windy	-	
A17-A16	A16-A14	~2 C	low cloud cover	very windy	-	
A12-A77	A10-A9	~5 C	mostly cloudy	light wind	some rain	
A69-DS1	A1-DS1	~5 C	mostly cloudy	light wind	some rain	
A12-A11	A10-B11	~5 C	clear skies	gentle breeze	sunny	
A76-A41	A8-B10	~5 C	clear skies	gentle breeze	sunny	
C38-C12	C58	~5 C	clear skies	gentle breeze	sunny	
DS1	DS1	~5 C	clear skies	gentle breeze	sunny	
A69-DS1	A1-DS1	~5 C	clear skies	gentle breeze	sunny	duplicate
A18-A17	A17-A16	~5 C	clear skies	gentle breeze	sunny	
A15-A14	A13-A12	~3 C	cloudy	very windy	low cloud cover	

[https://capws.golder.com/sites/P1524321amaruqWhaleTailBaselineAndEis/Baseline/P1010 Contingency/1011 CREMP/Stream-WQ/4-WorkingData/Doc 030-1524321 Amaruq-streamWQmethods.docx](https://capws.golder.com/sites/P1524321amaruqWhaleTailBaselineAndEis/Baseline/P1010%20Contingency/1011%20CREMP/Stream-WQ/4-WorkingData/Doc%20030-1524321%20Amaruq-streamWQmethods.docx)

APPENDIX E

Phytoplankton Taxonomy, Whale Tail Pit Baseline, 2015

Seasonal Phytoplankton biomass for AMARUQ 2015 and CREMP INUG and PDL stations

***** R=QA\QC sample

*****All data are in (mg m⁻³)

Station	date	Cyanophyte mg m ⁻³	Chlorophyte mg m ⁻³	Euglenophyte mg m ⁻³	Chrysophyte mg m ⁻³	Diatoms mg m ⁻³	Cryptophytes mg m ⁻³	Dinoflagellates mg m ⁻³	Total biomass mg m ⁻³	# species	Simpsons Diversity
DUP1	1/Jul/15	0.00	1.50	0.00	259.24	8.21	12.15	39.44	320.54	33	0.68
DUP1	1/Aug/15	1.20	9.09	0.00	147.20	12.30	5.12	36.41	211.33	36	0.87
DUP1	1/Sep/15	0.18	2.22	0.00	174.61	15.68	5.79	6.22	204.69	37	0.87
MAM1-S	18/Jul/15	0.00	1.22	0.00	236.00	17.45	10.98	11.65	277.29	32	0.67
MAM2-S	18/Jul/15	0.00	0.91	0.00	179.18	5.82	3.67	4.47	194.05	26	0.68
MAM3-S	24/Aug/15	0.22	10.34	0.00	112.65	11.42	4.83	18.63	158.10	38	0.91
MAM4-S	24/Aug/15	0.05	6.50	0.00	108.09	7.08	4.82	10.08	136.61	37	0.87
MAM5-S	19/Sep/15	0.06	2.65	0.00	197.57	11.42	5.24	11.17	228.12	36	0.90
MAM6-S	19/Sep/15	3.10	5.27	0.00	173.26	13.28	5.55	13.35	213.82	37	0.89
NEM1-S	18/Jul/15	0.00	1.82	0.00	120.53	13.42	12.30	17.12	165.18	28	0.79
NEM2-S	18/Jul/15	0.00	3.28	0.00	205.25	13.89	12.88	21.60	256.90	31	0.83
NEM2-SR	18/Jul/15	0.00	2.92	0.00	199.97	15.28	15.18	11.41	244.76	31	0.83
NEM3-S	23/Aug/15	0.00	20.94	0.00	59.06	22.86	2.13	6.32	111.30	30	0.90
NEM4-S	23/Aug/15	0.05	15.70	0.00	69.75	19.11	0.34	1.82	106.77	29	0.91
NEM5-S	19/Sep/15	0.71	6.67	0.00	114.56	17.91	0.57	6.48	146.91	30	0.89
NEM6-S	19/Sep/15	0.64	5.18	0.00	132.57	7.91	1.89	4.08	152.27	35	0.87
NEM6-SR	19/Sep/15	0.48	4.78	0.00	139.60	5.41	1.16	2.04	153.46	36	0.88
WTN1-S	17/Jul/15	0.00	1.15	0.00	343.85	2.17	6.72	9.82	363.71	30	0.61
WTN2-S	17/Jul/15	0.00	1.02	0.00	233.57	3.64	6.76	25.48	270.48	30	0.72
WTN3-S	20/Aug/15	0.10	4.54	0.00	140.23	7.28	7.79	23.85	183.78	33	0.91
WTN3-SR	20/Aug/15	0.18	5.15	0.00	152.68	5.89	8.43	25.53	197.87	32	0.91
WTN4-S	20/Aug/15	0.05	3.71	0.00	104.11	11.02	4.69	30.43	154.01	35	0.90
WTN5-S	18/Sep/15	0.24	6.05	0.00	191.32	25.18	4.33	15.26	242.39	37	0.90
WTN6-S	18/Sep/15	0.28	1.89	0.00	188.62	14.95	4.36	16.29	226.39	38	0.90
WTS1-S	17/Jul/15	0.00	1.19	0.00	283.77	5.68	19.73	29.98	340.35	29	0.71
WTS2-S	17/Jul/15	0.00	1.28	0.00	210.55	5.39	12.79	34.64	264.65	35	0.74
WTS3-S	21/Aug/15	3.50	11.06	0.00	122.42	8.40	2.85	24.37	172.61	40	0.87
WTS4-S	21/Aug/15	2.70	5.89	0.00	112.13	5.00	2.05	6.25	134.03	35	0.91
WTS5-S	18/Sep/15	0.89	1.57	0.00	157.69	20.05	4.54	10.07	194.82	33	0.86
WTS6-S	18/Sep/15	0.08	13.58	0.00	248.35	17.33	8.80	4.47	292.62	37	0.84
INUG68S	16/May/15	0.00	0.30	0.00	41.69	7.16	9.25	9.05	67.45	25	0.67
INUG69S	16/May/15	0.00	0.60	0.00	23.25	5.06	10.15	1.56	40.62	17	0.68
INUG70S	27/Jul/15	0.00	2.38	0.00	368.81	13.06	14.99	13.60	412.84	30	0.85
INUG71S	27/Jul/15	0.00	2.13	0.00	398.85	6.34	12.17	20.84	440.33	33	0.85
INUG72S	27/Aug/15	0.10	5.76	0.00	156.60	13.32	1.02	2.29	179.10	35	0.89
INUG73S	27/Aug/15	0.59	6.39	0.00	167.17	11.64	5.78	9.99	201.56	37	0.90
INUG74S	1/Oct/15	3.39	6.04	0.00	156.27	20.71	9.65	8.13	204.19	40	0.90
INUG75S	1/Oct/15	1.97	8.31	0.00	147.89	18.04	7.03	7.94	191.19	39	0.86
PDL37S	28/Jul/15	0.00	0.59	0.00	198.76	13.66	7.78	6.64	227.43	28	0.72
PDL38S	28/Jul/15	0.00	0.07	0.00	230.32	10.16	6.26	15.07	261.88	23	0.71
PDL39S	26/Aug/15	0.84	7.83	0.00	127.44	16.64	2.49	2.32	157.57	32	0.84
PDL40S	26/Aug/15	0.90	5.35	0.00	134.66	16.33	2.24	2.11	161.59	32	0.85
PDL41S	4/Oct/15	2.51	8.95	0.00	97.02	11.44	3.96	13.33	137.20	30	0.91

Seasonal Phytoplankton cell density for AMARUQ 2015 and CREMP INUG and PDL stations

***** R=QA\QC sample

*****All data are in cells L⁻¹

Station	date	Cyanophyte cells L ⁻¹	Chlorophyte cells L ⁻¹	Euglenophyte cells L ⁻¹	Chrysophyte cells L ⁻¹	Diatoms cells L ⁻¹	Cryptophytes cells L ⁻¹	Dinoflagellates cells L ⁻¹	Total density cells L ⁻¹
DUP1	1/Jul/15	0	43704	0	3828704	69456	161448	11784	4115096
DUP1	1/Aug/15	35920	288160	0	2012120	297144	107760	67656	2808760
DUP1	1/Sep/15	1200	115544	0	2153016	257856	93792	7784	2629192
MAM1-S	18/Jul/15	0	71840	0	3346560	157864	99392	13384	3689040
MAM2-S	18/Jul/15	0	57472	0	2900952	87608	37720	1200	3084952
MAM3-S	24/Aug/15	1000	424056	0	1323256	187200	72840	23752	2032104
MAM4-S	24/Aug/15	400	359600	0	1604632	151080	73040	9184	2197936
MAM5-S	19/Sep/15	600	316696	0	2149432	223368	79624	1200	2770920
MAM6-S	19/Sep/15	57472	359400	0	2023120	265688	87008	1600	2794288
NEM1-S	18/Jul/15	0	36120	0	1975816	245488	69256	2000	2328680
NEM2-S	18/Jul/15	0	65056	0	2694616	259272	104576	9384	3132904
NEM2-SR	18/Jul/15	0	65256	0	2680448	229736	120144	8384	3103968
NEM3-S	23/Aug/15	0	424456	0	900400	218120	43104	7384	1593464
NEM4-S	23/Aug/15	400	395720	0	636792	266408	7184	200	1306704
NEM5-S	19/Sep/15	15368	266408	0	974256	288760	7384	7584	1559760
NEM6-S	19/Sep/15	14968	208936	0	1320688	209136	29336	400	1783464
NEM6-SR	19/Sep/15	8984	187184	0	1286368	194768	14968	200	1692472
WTN1-S	17/Jul/15	0	35920	0	4638096	65056	95592	1600	4836264
WTN2-S	17/Jul/15	0	36120	0	3971584	67856	68656	10384	4154600
WTN3-S	20/Aug/15	800	165432	0	1567312	131512	165232	23552	2053840
WTN3-SR	20/Aug/15	1400	208536	0	1546160	88808	179600	37920	2062424
WTN4-S	20/Aug/15	400	158248	0	1201128	146480	100576	44704	1651536
WTN5-S	18/Sep/15	600	237472	0	2011736	362216	52088	22752	2686864
WTN6-S	18/Sep/15	1800	143680	0	2094344	228520	65456	2200	2536000
WTS1-S	17/Jul/15	0	50288	0	3985568	97592	299144	23952	4456544
WTS2-S	17/Jul/15	0	72040	0	2880616	54488	113360	4000	3124504
WTS3-S	21/Aug/15	72840	366984	0	1703008	177016	50288	3600	2373736
WTS4-S	21/Aug/15	57472	323880	0	1315472	133312	35920	8184	1874240
WTS5-S	18/Sep/15	29936	122128	0	1851888	298960	72640	15768	2391320
WTS6-S	18/Sep/15	600	173616	0	2737520	323512	144880	7584	3387712
INUG68S	16/May/15	0	3746	0	969985	39107	65230	700	1078768
INUG69S	16/May/15	0	3946	0	518531	28469	75468	200	626614
INUG70S	27/Jul/15	0	172616	0	2061504	296744	140096	800	2671760
INUG71S	27/Jul/15	0	129712	0	2190616	117144	57688	8784	2503944
INUG72S	27/Aug/15	400	196768	0	1419448	210336	14768	7184	1848904
INUG73S	27/Aug/15	7584	211536	0	1671288	260424	114944	8384	2274160
INUG74S	1/Oct/15	66056	274992	0	1734744	305544	72640	21752	2475728
INUG75S	1/Oct/15	14968	209736	0	1734144	356232	79424	21552	2416056
PDL37S	28/Jul/15	0	36320	0	1790048	225112	59872	1400	2112752
PDL38S	28/Jul/15	0	14368	0	1986416	207552	38920	10584	2257840
PDL39S	26/Aug/15	9184	244456	0	1361176	219520	43504	600	1878440
PDL40S	26/Aug/15	3800	123328	0	1370160	213536	22952	400	1734176
PDL41S	4/Oct/15	7400	359200	0	939920	219520	22152	14968	1563160

Phytoplankton species data for AMARUQ 2015 and CREMP INUG and PDL stations

** 1st number in **species code** = group 1=cyanophyte 2=chlorophyte
3= Euglenophyte 4=chrysophyte 5=diatoms 6=Cryptophyte 7=Dinoflagellates
***R=QA\QC sample
** total daily biomass is sum of all species on a date.

Station	Date	Species code	Speceis name	density cells/L	biomass mg/m ³	length μ	width μ	cell volume μ ³
DUP 1	1-Jul-15	2105	Chlamydomonas spp.	28736	0.68	5.00	3.00	23.60
DUP 1	1-Jul-15	2187	Staurodesmus extensus (Andersson) Teiling	600	0.21	13.00	12.00	354.00
DUP 1	1-Jul-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.45	33.00	2.20	62.70
DUP 1	1-Jul-15	2260	Monomastix minuta Skuja	7184	0.16	6.10	3.20	21.80
DUP 1	1-Jul-15	4351	Small chrysophyceae	617824	7.91	2.90	2.90	12.80
DUP 1	1-Jul-15	4352	Large chrysophyceae	35920	4.70	6.30	6.30	130.90
DUP 1	1-Jul-15	4357	Chrysococcus sp.	2191120	111.75	4.60	4.60	51.00
DUP 1	1-Jul-15	4361	Kephyrion boreale Skuja	7184	0.90	6.20	6.20	124.80
DUP 1	1-Jul-15	4362	Kephyrion sp.	423856	5.98	3.00	3.00	14.10
DUP 1	1-Jul-15	4363	Spinifiromonas sirratus*****	7184	0.66	5.60	5.60	92.00
DUP 1	1-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.21	19.60	10.00	1026.30
DUP 1	1-Jul-15	4378	Dinobryon borgei Lemmermann	14368	0.74	9.00	3.30	51.30
DUP 1	1-Jul-15	4388	Dinobryon sertularia Ehrenberg	86208	22.75	14.00	6.00	263.90
DUP 1	1-Jul-15	4388	Dinobryon sertularia Ehrenberg	11400	26.51	0.00	0.00	2325.00
DUP 1	1-Jul-15	4390	Dinobryon sociale Ehrenberg	43104	9.75	12.00	6.00	226.20
DUP 1	1-Jul-15	4390	Dinobryon sociale Ehrenberg	2400	4.78	0.00	0.00	1991.00
DUP 1	1-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	100576	2.84	5.60	3.10	28.20
DUP 1	1-Jul-15	4401	Uroglena volvox Ehrenberg	129312	14.63	6.00	6.00	113.10
DUP 1	1-Jul-15	4413	Chrysochromulina laurentiana Kling	107760	42.52	9.10	9.10	394.60
DUP 1	1-Jul-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
DUP 1	1-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	35920	0.88	5.20	3.00	24.50
DUP 1	1-Jul-15	4436	Dinobryon attenuatum Hill	7184	1.40	10.30	6.00	194.20
DUP 1	1-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.24	9.10	18.20	1183.70
DUP 1	1-Jul-15	5509	Cyclotella ocellata Pant.	28736	3.23	4.15	8.30	112.30
DUP 1	1-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	3000	3.93	25.50	14.00	1308.50
DUP 1	1-Jul-15	5518	Synedra acus Kutzing	1600	0.13	80.00	2.00	83.80
DUP 1	1-Jul-15	5551	Cyclotella michiganiana Skvortzow	35920	0.69	2.30	4.60	19.10
DUP 1	1-Jul-15	6554	Rhodomonas minuta Skuja	50288	4.39	10.00	5.00	87.30
DUP 1	1-Jul-15	6558	Cryptomonas erosa Ehrenberg	2600	1.91	21.00	10.00	733.00
DUP 1	1-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	400	0.27	19.60	10.00	684.20
DUP 1	1-Jul-15	6565	Cryptomonas rostratiformis Skuja	400	0.77	28.00	14.00	1915.70
DUP 1	1-Jul-15	6568	Katablepharis ovalis Skuja	107760	4.82	8.00	4.00	44.70
DUP 1	1-Jul-15	7632	Gymnodinium sp.	7184	2.24	9.30	8.00	311.60
DUP 1	1-Jul-15	7632	Gymnodinium sp.	1800	16.57	26.00	26.00	9202.80
DUP 1	1-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	600	0.60	13.30	12.00	1002.80
DUP 1	1-Jul-15	7641	Peridinium aciculiferum Lemmermann	2200	20.04	30.20	24.00	9108.10
DUP 1	1-Aug-15	1008	Aphanocapsa sp.	7184	0.72	0.00	0.00	100.00
DUP 1	1-Aug-15	1033	Rhabdogloea lineare Schmidle and Lauterborn	28736	0.48	8.00	2.00	16.80
DUP 1	1-Aug-15	2100	Pyramidomonas tetrarhynchus Schmarda	600	0.32	14.20	12.00	535.30
DUP 1	1-Aug-15	2105	Chlamydomonas spp.	35920	0.46	5.00	2.20	12.70
DUP 1	1-Aug-15	2112	Sphaerocystis schroeteri Chodat	7184	0.21	3.80	3.80	28.70
DUP 1	1-Aug-15	2121	Oocystis lacustris Chodat	114944	5.78	6.00	4.00	50.30
DUP 1	1-Aug-15	2137	Dictyosphaerium simplex Sukja	57472	0.24	2.00	2.00	4.20
DUP 1	1-Aug-15	2167	Elakatothrix gelatinosa Willen	57472	1.17	13.00	2.00	20.40
DUP 1	1-Aug-15	2206	Botryococcus braunii Kutzing	200	0.14	11.00	11.00	696.90
DUP 1	1-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	14368	0.77	31.00	2.10	53.70
DUP 1	1-Aug-15	4351	Small chrysophyceae	510064	8.77	3.20	3.20	17.20
DUP 1	1-Aug-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
DUP 1	1-Aug-15	4357	Chrysococcus sp.	783056	51.21	5.00	5.00	65.40
DUP 1	1-Aug-15	4362	Kephyrion sp.	107760	2.03	3.30	3.30	18.80
DUP 1	1-Aug-15	4367	Mallomonas duerrschmidtiae Siver, Hamer and Kling	200	0.12	17.60	8.00	589.80
DUP 1	1-Aug-15	4378	Dinobryon borgei Lemmermann	79024	4.88	9.10	3.60	61.80
DUP 1	1-Aug-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90
DUP 1	1-Aug-15	4383	Dinobryon bavaricum Imhof	50288	11.38	12.00	6.00	226.20
DUP 1	1-Aug-15	4383	Dinobryon bavaricum Imhof	400	0.80	0.00	0.00	1990.00
DUP 1	1-Aug-15	4388	Dinobryon sertularia Ehrenberg	35920	8.33	12.30	6.00	231.80
DUP 1	1-Aug-15	4390	Dinobryon sociale Ehrenberg	50288	11.38	12.00	6.00	226.20
DUP 1	1-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	35920	0.88	5.20	3.00	24.50
DUP 1	1-Aug-15	4401	Uroglena volvox Ehrenberg	215520	24.38	6.00	6.00	113.10
DUP 1	1-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.70	5.80	4.00	48.60
DUP 1	1-Aug-15	4413	Chrysochromulina laurentiana Kling	28736	11.72	9.20	9.20	407.70
DUP 1	1-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	43104	1.20	5.20	3.20	27.90
DUP 1	1-Aug-15	4437	Pteridomonas sp.	28736	5.33	8.10	8.10	185.50
DUP 1	1-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.63	10.00	20.00	1570.80
DUP 1	1-Aug-15	5509	Cyclotella ocellata Pant.	35920	3.89	4.10	8.20	108.30
DUP 1	1-Aug-15	5511	Rhizosolenia erienne H.L. Smith	21552	1.68	11.00	3.00	77.80
DUP 1	1-Aug-15	5513	Tabellaria fenestrata (Lyngbye) Kutzing	1200	0.88	78.00	6.00	735.10
DUP 1	1-Aug-15	5518	Synedra acus Kutzing	1000	0.08	76.00	2.00	79.60
DUP 1	1-Aug-15	5551	Cyclotella michiganiana Skvortzow	237072	5.14	2.40	4.80	21.70

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
DUP 1	1-Aug-15	6554	Rhodomonas minuta Skuja	35920	1.67	8.30	4.00	46.40
DUP 1	1-Aug-15	6568	Katablepharis ovalis Skuja	71840	3.46	8.30	4.00	48.10
DUP 1	1-Aug-15	7632	Gymnodinium sp.	64656	21.67	10.00	8.00	335.10
DUP 1	1-Aug-15	7632	Gymnodinium sp.	1400	12.74	25.90	25.90	9097.00
DUP 1	1-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	1600	2.01	14.20	13.00	1256.50
DUP 1	1-Sep-15	1054	Planktolyngbya limnetica	1200	0.18	132.00	1.20	149.30
DUP 1	1-Sep-15	2100	Pyramidomonas tetrarhynchus Schmarda	200	0.12	13.90	13.00	615.00
DUP 1	1-Sep-15	2105	Chlamydomonas spp.	7184	0.16	6.00	2.70	22.90
DUP 1	1-Sep-15	2137	Dictyosphaerium simplex Sukja	43104	0.18	2.00	2.00	4.20
DUP 1	1-Sep-15	2167	Elakatothrix gelatinosa Willen	7184	0.13	11.60	2.00	18.20
DUP 1	1-Sep-15	2182	Euastrum spp.	200	0.10	15.00	13.00	510.50
DUP 1	1-Sep-15	2199	Spondylosium planum (Wolle) W. and G.S. West	21552	0.81	6.00	6.00	37.70
DUP 1	1-Sep-15	2206	Botryococcus braunii Kutzing	200	0.10	10.00	10.00	523.60
DUP 1	1-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	28736	0.14	3.00	3.00	4.70
DUP 1	1-Sep-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.46	34.00	2.20	64.60
DUP 1	1-Sep-15	4351	Small chrysophyceae	445408	6.95	3.10	3.10	15.60
DUP 1	1-Sep-15	4357	Chrysococcus sp.	711216	46.51	5.00	5.00	65.40
DUP 1	1-Sep-15	4361	Kephyrion boreale Skuja	57472	6.83	6.10	6.10	118.80
DUP 1	1-Sep-15	4362	Kephyrion sp.	229888	4.32	3.30	3.30	18.80
DUP 1	1-Sep-15	4363	Spinifiromonas sirratus*****	7184	0.90	6.20	6.20	124.80
DUP 1	1-Sep-15	4370	Mallomonas akrokomos Asmund and Kristiansen	7184	2.31	16.00	6.20	322.00
DUP 1	1-Sep-15	4378	Dinobryon borgei Lemmermann	35920	1.63	9.00	3.10	45.30
DUP 1	1-Sep-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90
DUP 1	1-Sep-15	4390	Dinobryon sociale Ehrenberg	294544	66.63	12.00	6.00	226.20
DUP 1	1-Sep-15	4390	Dinobryon sociale Ehrenberg	5000	6.33	0.00	0.00	1265.00
DUP 1	1-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	64656	1.94	5.60	3.20	30.00
DUP 1	1-Sep-15	4401	Uroglena volvox Ehrenberg	93392	10.56	6.00	6.00	113.10
DUP 1	1-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
DUP 1	1-Sep-15	4413	Chrysochromulina laurentiana Kling	21552	8.50	9.10	9.10	394.60
DUP 1	1-Sep-15	4414	Stichogloea spp.	93392	4.70	6.00	4.00	50.30
DUP 1	1-Sep-15	4415	Bicoeca lacustris Clark	7184	0.63	5.50	5.50	87.10
DUP 1	1-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	43104	1.36	5.90	3.20	31.60
DUP 1	1-Sep-15	4437	Pteridomonas sp.	7184	1.33	8.10	8.10	185.50
DUP 1	1-Sep-15	5509	Cyclotella ocellata Pant.	35920	4.03	4.15	8.30	112.30
DUP 1	1-Sep-15	5511	Rhizosolenia erienne H.L. Smith	100576	7.82	11.00	3.00	77.80
DUP 1	1-Sep-15	5518	Synedra acus Kutzing	13600	1.18	83.00	2.00	86.90
DUP 1	1-Sep-15	5551	Cyclotella michiganiana Skvortzow	107760	2.64	2.50	5.00	24.50
DUP 1	1-Sep-15	6554	Rhodomonas minuta Skuja	35920	1.90	9.00	4.10	52.80
DUP 1	1-Sep-15	6558	Cryptomonas erosa Ehrenberg	200	0.15	21.30	10.00	743.50
DUP 1	1-Sep-15	6565	Cryptomonas rostratiformis Skuja	200	0.41	30.00	14.00	2052.50
DUP 1	1-Sep-15	6568	Katablepharis ovalis Skuja	57472	3.33	9.00	4.10	58.00
DUP 1	1-Sep-15	7632	Gymnodinium sp.	7184	2.24	9.30	8.00	311.60
DUP 1	1-Sep-15	7632	Gymnodinium sp.	400	3.68	26.00	26.00	9202.80
DUP 1	1-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.30	14.70	14.00	1508.60
MAM - 1-S	18-Jul-15	2105	Chlamydomonas spp.	14368	0.31	4.60	3.00	21.70
MAM - 1-S	18-Jul-15	2121	Oocystis lacustris Chodat	14368	0.35	5.20	3.00	24.50
MAM - 1-S	18-Jul-15	2167	Elakatothrix gelatinosa Willen	35920	0.51	9.00	2.00	14.10
MAM - 1-S	18-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.05	3.30	3.30	6.30
MAM - 1-S	18-Jul-15	4351	Small chrysophyceae	481328	6.79	3.00	3.00	14.10
MAM - 1-S	18-Jul-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
MAM - 1-S	18-Jul-15	4357	Chrysococcus sp.	2025888	132.49	5.00	5.00	65.40
MAM - 1-S	18-Jul-15	4358	Chrysostephanospaera globulifera Scherffel	7184	4.48	10.60	10.60	623.60
MAM - 1-S	18-Jul-15	4362	Kephyrion sp.	387936	7.29	3.30	3.30	18.80
MAM - 1-S	18-Jul-15	4363	Spinifiromonas sirratus*****	7184	0.73	5.80	5.80	102.20
MAM - 1-S	18-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	1000	1.10	21.10	10.00	1104.80
MAM - 1-S	18-Jul-15	4378	Dinobryon borgei Lemmermann	64656	3.32	9.00	3.30	51.30
MAM - 1-S	18-Jul-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90
MAM - 1-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	71840	16.25	12.00	6.00	226.20
MAM - 1-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	4400	8.76	0.00	0.00	1991.00
MAM - 1-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	86208	19.50	12.00	6.00	226.20
MAM - 1-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	600	0.73	0.00	0.00	1221.00
MAM - 1-S	18-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	100576	2.84	5.60	3.10	28.20
MAM - 1-S	18-Jul-15	4413	Chrysochromulina laurentiana Kling	64656	26.36	9.20	9.20	407.70
MAM - 1-S	18-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.16	4.60	3.00	21.70
MAM - 1-S	18-Jul-15	4439	Chrysosphaerella brevispina	7184	1.08	6.60	6.60	150.50
MAM - 1-S	18-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.51	9.30	18.60	1263.50
MAM - 1-S	18-Jul-15	5508	Cyclotella pseudostelligera	35920	7.93	5.20	10.40	220.90
MAM - 1-S	18-Jul-15	5509	Cyclotella ocellata Pant.	35920	4.49	4.30	8.60	124.90
MAM - 1-S	18-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	1600	2.16	26.30	14.00	1349.50
MAM - 1-S	18-Jul-15	5518	Synedra acus Kutzing	5000	0.42	81.00	2.00	84.80
MAM - 1-S	18-Jul-15	5551	Cyclotella michiganiana Skvortzow	79024	1.94	2.50	5.00	24.50
MAM - 1-S	18-Jul-15	6554	Rhodomonas minuta Skuja	21552	1.92	10.20	5.00	89.00
MAM - 1-S	18-Jul-15	6558	Cryptomonas erosa Ehrenberg	4400	3.23	21.00	10.00	733.00
MAM - 1-S	18-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	600	0.42	20.00	10.00	698.10
MAM - 1-S	18-Jul-15	6565	Cryptomonas rostratiformis Skuja	1000	2.05	30.00	14.00	2052.50
MAM - 1-S	18-Jul-15	6568	Katablepharis ovalis Skuja	71840	3.37	8.10	4.10	46.90
MAM - 1-S	18-Jul-15	7632	Gymnodinium sp.	7184	3.08	10.10	9.00	428.40
MAM - 1-S	18-Jul-15	7632	Gymnodinium sp.	2000	4.45	16.20	16.20	2226.10
MAM - 1-S	18-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	4200	4.12	13.00	12.00	980.20
MAM - 2-S	18-Jul-15	2105	Chlamydomonas spp.	7184	0.16	4.60	3.00	21.70

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
MAM - 2-S	18-Jul-15	2121	Oocystis lacustris Chodat	14368	0.35	5.20	3.00	24.50
MAM - 2-S	18-Jul-15	2199	Spondylosium planum (Wolle) W. and G.S. West	7184	0.27	6.00	6.00	37.70
MAM - 2-S	18-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	28736	0.14	3.00	3.00	4.70
MAM - 2-S	18-Jul-15	4351	Small chrysophyceae	646560	9.12	3.00	3.00	14.10
MAM - 2-S	18-Jul-15	4352	Large chrysophyceae	7184	2.74	9.00	9.00	381.70
MAM - 2-S	18-Jul-15	4357	Chrysococcus sp.	1573296	102.89	5.00	5.00	65.40
MAM - 2-S	18-Jul-15	4362	Kephyrion sp.	337648	6.35	3.30	3.30	18.80
MAM - 2-S	18-Jul-15	4363	Spinifiromonas sirratus*****	7184	0.66	5.60	5.60	92.00
MAM - 2-S	18-Jul-15	4378	Dinobryon borgei Lemmermann	35920	1.84	9.00	3.30	51.30
MAM - 2-S	18-Jul-15	4381	Dinobryon mucronutom Nygaard	7184	0.90	9.60	5.00	125.70
MAM - 2-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	93392	22.88	13.00	6.00	245.00
MAM - 2-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	4800	9.56	0.00	0.00	1991.00
MAM - 2-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	43104	9.75	12.00	6.00	226.20
MAM - 2-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	1000	1.22	0.00	0.00	1221.00
MAM - 2-S	18-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	114944	3.24	5.60	3.10	28.20
MAM - 2-S	18-Jul-15	4413	Chrysochromulina laurentiana Kling	14368	5.86	9.20	9.20	407.70
MAM - 2-S	18-Jul-15	4439	Chrysosphaerella brevispina	14368	2.16	6.60	6.60	150.50
MAM - 2-S	18-Jul-15	5508	Cyclotella pseudostelligera	7184	1.88	5.50	11.00	261.30
MAM - 2-S	18-Jul-15	5509	Cyclotella ocellata Pant.	21552	2.42	4.15	8.30	112.30
MAM - 2-S	18-Jul-15	5518	Synedra acus Kutzing	1400	0.12	81.00	2.00	84.80
MAM - 2-S	18-Jul-15	5551	Cyclotella michiganiana Skvortzow	57472	1.41	2.50	5.00	24.50
MAM - 2-S	18-Jul-15	6558	Cryptomonas erosa Ehrenberg	1000	0.70	20.00	10.00	698.10
MAM - 2-S	18-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	200	0.14	19.60	10.00	684.20
MAM - 2-S	18-Jul-15	6565	Cryptomonas rostratiformis Skuja	600	1.15	28.00	14.00	1915.70
MAM - 2-S	18-Jul-15	6568	Katablepharis ovalis Skuja	35920	1.68	8.20	4.00	46.90
MAM - 2-S	18-Jul-15	7632	Gymnodinium sp.	400	3.68	26.00	26.00	9202.80
MAM - 2-S	18-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	800	0.78	13.00	12.00	980.20
MAM - 3-S	24-Aug-15	1054	Planktolynghya limnetica	800	0.12	131.00	1.20	148.20
MAM - 3-S	24-Aug-15	1073	Snowella sp	200	0.11	0.00	0.00	525.00
MAM - 3-S	24-Aug-15	2105	Chlamydomonas spp.	14368	0.33	5.30	2.90	23.30
MAM - 3-S	24-Aug-15	2121	Oocystis lacustris Chodat	114944	5.78	6.00	4.00	50.30
MAM - 3-S	24-Aug-15	2137	Dictyosphaerium simplex Sukja	64656	0.27	2.00	2.00	4.20
MAM - 3-S	24-Aug-15	2164	Quadrigula closterioides (Bohl.) Printz	86208	2.07	15.30	2.00	24.00
MAM - 3-S	24-Aug-15	2167	Elakatothrix gelatinosa Willen	28736	0.50	11.00	2.00	17.30
MAM - 3-S	24-Aug-15	2199	Spondylosium planum (Wolle) W. and G.S. West	21552	0.81	6.00	6.00	37.70
MAM - 3-S	24-Aug-15	2206	Botryococcus braunii Kutzing	200	0.14	11.00	11.00	696.90
MAM - 3-S	24-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	93392	0.44	3.00	3.00	4.70
MAM - 3-S	24-Aug-15	4351	Small chrysophyceae	287360	4.48	3.10	3.10	15.60
MAM - 3-S	24-Aug-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
MAM - 3-S	24-Aug-15	4357	Chrysococcus sp.	445408	22.72	4.60	4.60	51.00
MAM - 3-S	24-Aug-15	4358	Chrysostephanospaera globulifera Scherffel	28736	10.25	8.80	8.80	356.80
MAM - 3-S	24-Aug-15	4361	Kephyrion boreale Skuja	43104	5.38	6.20	6.20	124.80
MAM - 3-S	24-Aug-15	4362	Kephyrion sp.	100576	2.25	3.50	3.50	22.40
MAM - 3-S	24-Aug-15	4367	Mallomonas duerrschmidtiae Siver, Hamer and Kling	400	0.26	19.60	8.00	656.80
MAM - 3-S	24-Aug-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.23	22.20	10.00	1162.40
MAM - 3-S	24-Aug-15	4378	Dinobryon borgei Lemmermann	21552	1.11	9.60	3.20	51.50
MAM - 3-S	24-Aug-15	4383	Dinobryon bavaricum Imhof	28736	6.99	12.90	6.00	243.20
MAM - 3-S	24-Aug-15	4383	Dinobryon bavaricum Imhof	600	0.76	0.00	0.00	1265.00
MAM - 3-S	24-Aug-15	4388	Dinobryon sertularia Ehrenberg	7184	1.63	12.00	6.00	226.20
MAM - 3-S	24-Aug-15	4390	Dinobryon sociale Ehrenberg	79024	17.88	12.00	6.00	226.20
MAM - 3-S	24-Aug-15	4390	Dinobryon sociale Ehrenberg	200	0.20	0.00	0.00	991.00
MAM - 3-S	24-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	7184	0.19	5.50	3.00	25.90
MAM - 3-S	24-Aug-15	4400	Ochromonas sp.	7184	0.61	8.80	4.30	85.20
MAM - 3-S	24-Aug-15	4401	Uroglena volvox Ehrenberg	122128	13.81	6.00	6.00	113.10
MAM - 3-S	24-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	21552	1.01	5.60	4.00	46.90
MAM - 3-S	24-Aug-15	4413	Chrysochromulina laurentiana Kling	35920	13.71	9.00	9.00	381.70
MAM - 3-S	24-Aug-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
MAM - 3-S	24-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	35920	1.08	5.60	3.20	30.00
MAM - 3-S	24-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	800	0.93	9.05	18.10	1164.30
MAM - 3-S	24-Aug-15	5509	Cyclotella ocellata Pant.	64656	7.26	4.15	8.30	112.30
MAM - 3-S	24-Aug-15	5518	Synedra acus Kutzing	6800	0.58	81.00	2.00	84.80
MAM - 3-S	24-Aug-15	5551	Cyclotella michiganiana Skvortzow	114944	2.66	2.45	4.90	23.10
MAM - 3-S	24-Aug-15	6554	Rhodomonas minuta Skuja	43104	2.39	9.00	4.20	55.40
MAM - 3-S	24-Aug-15	6558	Cryptomonas erosa Ehrenberg	1000	0.77	22.10	10.00	771.40
MAM - 3-S	24-Aug-15	6568	Katablepharis ovalis Skuja	28736	1.67	9.00	4.10	58.00
MAM - 3-S	24-Aug-15	7632	Gymnodinium sp.	21552	6.93	9.60	8.00	321.70
MAM - 3-S	24-Aug-15	7632	Gymnodinium sp.	1000	10.19	26.90	26.90	10191.90
MAM - 3-S	24-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	1200	1.51	14.20	13.00	1256.50
MAM - 4-S	24-Aug-15	1054	Planktolynghya limnetica	400	0.05	110.00	1.20	124.40
MAM - 4-S	24-Aug-15	2100	Pyramidomonas tetrarhynchus Schmarda	400	0.20	13.30	12.00	501.40
MAM - 4-S	24-Aug-15	2105	Chlamydomonas spp.	21552	0.50	5.30	2.90	23.30
MAM - 4-S	24-Aug-15	2121	Oocystis lacustris Chodat	64656	3.25	6.00	4.00	50.30
MAM - 4-S	24-Aug-15	2137	Dictyosphaerium simplex Sukja	86208	0.36	2.00	2.00	4.20
MAM - 4-S	24-Aug-15	2145	Crucigenia quadrata Morr.	28736	0.14	3.00	3.00	4.70
MAM - 4-S	24-Aug-15	2164	Quadrigula closterioides (Bohl.) Printz	28736	0.69	15.30	2.00	24.00
MAM - 4-S	24-Aug-15	2167	Elakatothrix gelatinosa Willen	21552	0.37	11.00	2.00	17.30
MAM - 4-S	24-Aug-15	2199	Spondylosium planum (Wolle) W. and G.S. West	14368	0.54	6.00	6.00	37.70
MAM - 4-S	24-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	93392	0.44	3.00	3.00	4.70
MAM - 4-S	24-Aug-15	4351	Small chrysophyceae	402304	6.28	3.10	3.10	15.60
MAM - 4-S	24-Aug-15	4352	Large chrysophyceae	79024	14.19	7.00	7.00	179.60

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
MAM - 4-S	24-Aug-15	4357	Chrysococcus sp.	617824	31.51	4.60	4.60	51.00
MAM - 4-S	24-Aug-15	4361	Kephyrion boreale Skuja	21552	2.56	6.10	6.10	118.80
MAM - 4-S	24-Aug-15	4362	Kephyrion sp.	165232	3.70	3.50	3.50	22.40
MAM - 4-S	24-Aug-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.46	22.20	10.00	1162.40
MAM - 4-S	24-Aug-15	4378	Dinobryon borgei Lemmermann	35920	1.66	8.60	3.20	46.10
MAM - 4-S	24-Aug-15	4381	Dinobryon mucronutom Nygaard	14368	1.77	9.40	5.00	123.00
MAM - 4-S	24-Aug-15	4383	Dinobryon bavaricum Imhof	7184	1.63	12.00	6.00	226.20
MAM - 4-S	24-Aug-15	4383	Dinobryon bavaricum Imhof	400	0.40	0.00	0.00	991.00
MAM - 4-S	24-Aug-15	4388	Dinobryon sertularia Ehrenberg	14368	3.25	12.00	6.00	226.20
MAM - 4-S	24-Aug-15	4390	Dinobryon sociale Ehrenberg	64656	14.63	12.00	6.00	226.20
MAM - 4-S	24-Aug-15	4390	Dinobryon sociale Ehrenberg	1800	2.28	0.00	0.00	1265.00
MAM - 4-S	24-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	43104	1.12	5.50	3.00	25.90
MAM - 4-S	24-Aug-15	4400	Ochromonas sp.	7184	0.50	8.30	4.00	69.50
MAM - 4-S	24-Aug-15	4401	Uroglena volvox Ehrenberg	35920	4.06	6.00	6.00	113.10
MAM - 4-S	24-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
MAM - 4-S	24-Aug-15	4413	Chrysochromulina laurentiana Kling	43104	16.45	9.00	9.00	381.70
MAM - 4-S	24-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	43104	1.29	5.60	3.20	30.00
MAM - 4-S	24-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.46	9.00	18.00	1145.10
MAM - 4-S	24-Aug-15	5509	Cyclotella ocellata Pant.	21552	2.42	4.15	8.30	112.30
MAM - 4-S	24-Aug-15	5511	Rhizosolenia erienne H.L. Smith	14368	1.12	11.00	3.00	77.80
MAM - 4-S	24-Aug-15	5518	Synedra acus Kutzing	7000	0.59	81.00	2.00	84.80
MAM - 4-S	24-Aug-15	5551	Cyclotella michiganiana Skvortzow	107760	2.49	2.45	4.90	23.10
MAM - 4-S	24-Aug-15	6554	Rhodomonas minuta Skuja	57472	3.18	9.00	4.20	55.40
MAM - 4-S	24-Aug-15	6558	Cryptomonas erosa Ehrenberg	1200	0.93	22.20	10.00	774.90
MAM - 4-S	24-Aug-15	6568	Katablepharis ovalis Skuja	14368	0.71	8.30	4.10	49.30
MAM - 4-S	24-Aug-15	7632	Gymnodinium sp.	7184	2.17	9.00	8.00	301.60
MAM - 4-S	24-Aug-15	7632	Gymnodinium sp.	600	6.12	26.90	26.90	10191.90
MAM - 4-S	24-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	1400	1.80	14.50	13.00	1283.10
MAM - 5-S	19-Sep-15	1054	Planktolynngbya limnetica	600	0.06	93.00	1.20	105.20
MAM - 5-S	19-Sep-15	2100	Pyramidomonas tetrarhynchus Schmarda	200	0.12	14.10	13.00	623.80
MAM - 5-S	19-Sep-15	2105	Chlamydomonas spp.	21552	0.66	7.00	2.90	30.80
MAM - 5-S	19-Sep-15	2121	Oocystis lacustris Chodat	21552	0.38	5.00	2.60	17.70
MAM - 5-S	19-Sep-15	2137	Dictyosphaerium simplex Sukja	129312	0.54	2.00	2.00	4.20
MAM - 5-S	19-Sep-15	2187	Staurodesmus extensus (Andersson) Teiling	200	0.11	15.10	14.00	557.10
MAM - 5-S	19-Sep-15	2193	Staurodesmus paradoxum Meyen	200	0.15	17.20	15.00	774.50
MAM - 5-S	19-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	143680	0.68	3.00	3.00	4.70
MAM - 5-S	19-Sep-15	4351	Small chrysophyceae	380752	5.94	3.10	3.10	15.60
MAM - 5-S	19-Sep-15	4352	Large chrysophyceae	35920	14.64	9.20	9.20	407.70
MAM - 5-S	19-Sep-15	4357	Chrysococcus sp.	617824	31.51	4.60	4.60	51.00
MAM - 5-S	19-Sep-15	4358	Chrysostephanospaera globulifera Scherffel	7184	2.83	9.10	9.10	394.60
MAM - 5-S	19-Sep-15	4361	Kephyrion boreale Skuja	21552	3.24	6.60	6.60	150.50
MAM - 5-S	19-Sep-15	4362	Kephyrion sp.	215520	3.36	3.10	3.10	15.60
MAM - 5-S	19-Sep-15	4363	Spinifiromonas sirratus*****	14368	1.71	6.10	6.10	118.80
MAM - 5-S	19-Sep-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.44	21.00	10.00	1099.60
MAM - 5-S	19-Sep-15	4378	Dinobryon borgei Lemmermann	14368	0.69	9.00	3.20	48.30
MAM - 5-S	19-Sep-15	4381	Dinobryon mucronutom Nygaard	7184	0.94	10.00	5.00	130.90
MAM - 5-S	19-Sep-15	4390	Dinobryon sociale Ehrenberg	287360	65.00	12.00	6.00	226.20
MAM - 5-S	19-Sep-15	4390	Dinobryon sociale Ehrenberg	8200	10.37	0.00	0.00	1265.00
MAM - 5-S	19-Sep-15	4394	Epiphyxis sp.	21552	1.68	9.30	4.00	77.90
MAM - 5-S	19-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	107760	3.25	6.00	3.10	30.20
MAM - 5-S	19-Sep-15	4401	Uroglena volvox Ehrenberg	244256	27.63	6.00	6.00	113.10
MAM - 5-S	19-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
MAM - 5-S	19-Sep-15	4413	Chrysochromulina laurentiana Kling	43104	17.01	9.10	9.10	394.60
MAM - 5-S	19-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	93392	2.80	5.60	3.20	30.00
MAM - 5-S	19-Sep-15	4437	Pteridomonas sp.	21552	4.15	8.20	8.20	192.50
MAM - 5-S	19-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.25	9.30	18.60	1263.50
MAM - 5-S	19-Sep-15	5509	Cyclotella ocellata Pant.	14368	1.79	4.30	8.60	124.90
MAM - 5-S	19-Sep-15	5511	Rhizosolenia erienne H.L. Smith	50288	3.91	11.00	3.00	77.80
MAM - 5-S	19-Sep-15	5518	Synedra acus Kutzing	29200	2.48	81.00	2.00	84.80
MAM - 5-S	19-Sep-15	5551	Cyclotella michiganiana Skvortzow	129312	2.99	2.45	4.90	23.10
MAM - 5-S	19-Sep-15	6554	Rhodomonas minuta Skuja	21552	1.14	9.00	4.10	52.80
MAM - 5-S	19-Sep-15	6558	Cryptomonas erosa Ehrenberg	400	0.30	21.30	10.00	743.50
MAM - 5-S	19-Sep-15	6565	Cryptomonas rostratiformis Skuja	200	0.41	30.00	14.00	2052.50
MAM - 5-S	19-Sep-15	6568	Katablepharis ovalis Skuja	57472	3.40	9.20	4.00	59.10
MAM - 5-S	19-Sep-15	7632	Gymnodinium sp.	1200	11.17	26.10	26.10	9309.40
MAM - 6-S	19-Sep-15	1014	Chroococcus limneticus Lemmermann	28736	2.24	5.30	5.30	78.00
MAM - 6-S	19-Sep-15	1037	Myxobaktron smithii *****	28736	0.86	5.60	3.20	30.00
MAM - 6-S	19-Sep-15	2100	Pyramidomonas tetrarhynchus Schmarda	200	0.16	15.30	14.00	785.10
MAM - 6-S	19-Sep-15	2105	Chlamydomonas spp.	50288	1.55	7.00	2.90	30.80
MAM - 6-S	19-Sep-15	2121	Oocystis lacustris Chodat	21552	0.38	5.00	2.60	17.70
MAM - 6-S	19-Sep-15	2137	Dictyosphaerium simplex Sukja	35920	0.15	2.00	2.00	4.20
MAM - 6-S	19-Sep-15	2167	Elakatothrix gelatinosa Willen	28736	0.59	13.10	2.00	20.60
MAM - 6-S	19-Sep-15	2199	Spondylosium planum (Wolle) W. and G.S. West	14368	0.54	6.00	6.00	37.70
MAM - 6-S	19-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	193968	0.91	3.00	3.00	4.70
MAM - 6-S	19-Sep-15	2235	Ankistrodesmus spiralis Lemmermann	14368	0.98	36.00	2.20	68.40
MAM - 6-S	19-Sep-15	4351	Small chrysophyceae	323280	5.04	3.10	3.10	15.60
MAM - 6-S	19-Sep-15	4352	Large chrysophyceae	7184	2.83	9.10	9.10	394.60
MAM - 6-S	19-Sep-15	4357	Chrysococcus sp.	754320	38.47	4.60	4.60	51.00
MAM - 6-S	19-Sep-15	4361	Kephyrion boreale Skuja	93392	14.06	6.60	6.60	150.50
MAM - 6-S	19-Sep-15	4362	Kephyrion sp.	158048	2.47	3.10	3.10	15.60

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
MAM - 6-S	19-Sep-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.22	21.00	10.00	1099.60
MAM - 6-S	19-Sep-15	4378	Dinobryon borgei Lemmermann	43104	2.08	9.00	3.20	48.30
MAM - 6-S	19-Sep-15	4381	Dinobryon mucronutom Nygaard	7184	0.94	10.00	5.00	130.90
MAM - 6-S	19-Sep-15	4388	Dinobryon sertularia Ehrenberg	35920	8.13	12.00	6.00	226.20
MAM - 6-S	19-Sep-15	4390	Dinobryon sociale Ehrenberg	165232	37.38	12.00	6.00	226.20
MAM - 6-S	19-Sep-15	4390	Dinobryon sociale Ehrenberg	11400	14.42	0.00	0.00	1265.00
MAM - 6-S	19-Sep-15	4394	Epiphyxis sp.	7184	0.54	9.00	4.00	75.40
MAM - 6-S	19-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	136496	4.12	6.00	3.10	30.20
MAM - 6-S	19-Sep-15	4401	Uroglena volvox Ehrenberg	122128	13.81	6.00	6.00	113.10
MAM - 6-S	19-Sep-15	4413	Chrysochromulina laurentiana Kling	64656	25.51	9.10	9.10	394.60
MAM - 6-S	19-Sep-15	4414	Stichogloea spp.	21552	1.08	6.00	4.00	50.30
MAM - 6-S	19-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	71840	2.16	5.60	3.20	30.00
MAM - 6-S	19-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.51	9.30	18.60	1263.50
MAM - 6-S	19-Sep-15	5509	Cyclotella ocellata Pant.	14368	1.79	4.30	8.60	124.90
MAM - 6-S	19-Sep-15	5511	Rhizosolenia erienae H.L. Smith	50288	3.91	11.00	3.00	77.80
MAM - 6-S	19-Sep-15	5514	Tabellaria flocculsa (Roth) Kutzing	200	0.27	26.00	14.00	1334.10
MAM - 6-S	19-Sep-15	5518	Synedra acus Kutzing	35200	2.98	81.00	2.00	84.80
MAM - 6-S	19-Sep-15	5551	Cyclotella michiganiana Skvortzow	165232	3.82	2.45	4.90	23.10
MAM - 6-S	19-Sep-15	6554	Rhodomonas minuta Skuja	21552	1.14	9.00	4.10	52.80
MAM - 6-S	19-Sep-15	6558	Cryptomonas erosa Ehrenberg	800	0.59	21.30	10.00	743.50
MAM - 6-S	19-Sep-15	6568	Katablepharis ovalis Skuja	64656	3.82	9.20	4.00	59.10
MAM - 6-S	19-Sep-15	7632	Gymnodinium sp.	1400	13.03	26.10	26.10	9309.40
MAM - 6-S	19-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.32	15.50	14.00	1590.70
NEM - 1-S	18-Jul-15	2105	Chlamydomonas spp.	21552	0.71	7.00	3.00	33.00
NEM - 1-S	18-Jul-15	2138	Monoraphidium komarkovae (Nyg.) Komarkova-Legnerova	14368	1.00	41.00	1.80	69.60
NEM - 1-S	18-Jul-15	2206	Botryococcus braunii Kutzing	200	0.10	10.00	10.00	523.60
NEM - 1-S	18-Jul-15	4351	Small chrysophyceae	833344	11.75	3.00	3.00	14.10
NEM - 1-S	18-Jul-15	4352	Large chrysophyceae	35920	6.45	7.00	7.00	179.60
NEM - 1-S	18-Jul-15	4357	Chrysococcus sp.	581904	35.85	4.90	4.90	61.60
NEM - 1-S	18-Jul-15	4358	Chrysosphaerella globulifera Scherffel	7184	4.48	10.60	10.60	623.60
NEM - 1-S	18-Jul-15	4362	Kephyrion sp.	237072	4.46	3.30	3.30	18.80
NEM - 1-S	18-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	600	0.63	20.10	10.00	1052.40
NEM - 1-S	18-Jul-15	4378	Dinobryon borgei Lemmermann	100576	5.22	9.10	3.30	51.90
NEM - 1-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	7184	1.63	12.00	6.00	226.20
NEM - 1-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	3400	11.53	0.00	0.00	3390.00
NEM - 1-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	64656	14.63	12.00	6.00	226.20
NEM - 1-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	3400	6.77	0.00	0.00	1991.00
NEM - 1-S	18-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	43104	1.22	5.60	3.10	28.20
NEM - 1-S	18-Jul-15	4413	Chrysochromulina laurentiana Kling	28736	11.34	9.10	9.10	394.60
NEM - 1-S	18-Jul-15	4436	Dinobryon attenuatum Hill	7184	1.35	10.00	6.00	188.50
NEM - 1-S	18-Jul-15	4439	Chrysosphaerella brevispina	21552	3.24	6.60	6.60	150.50
NEM - 1-S	18-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	600	0.76	9.30	18.60	1263.50
NEM - 1-S	18-Jul-15	5509	Cyclotella ocellata Pant.	57472	7.18	4.30	8.60	124.90
NEM - 1-S	18-Jul-15	5518	Synedra acus Kutzing	15000	1.26	80.00	2.00	83.80
NEM - 1-S	18-Jul-15	5551	Cyclotella michiganiana Skvortzow	172416	4.22	2.50	5.00	24.50
NEM - 1-S	18-Jul-15	6554	Rhodomonas minuta Skuja	57472	5.67	11.30	5.00	98.60
NEM - 1-S	18-Jul-15	6558	Cryptomonas erosa Ehrenberg	3400	4.03	23.60	12.00	1186.30
NEM - 1-S	18-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	200	0.14	20.00	10.00	698.10
NEM - 1-S	18-Jul-15	6565	Cryptomonas rostratiformis Skuja	1000	2.12	31.00	14.00	2120.90
NEM - 1-S	18-Jul-15	6568	Katablepharis ovalis Skuja	7184	0.34	8.00	4.20	46.90
NEM - 1-S	18-Jul-15	7632	Gymnodinium sp.	1400	13.18	26.20	26.20	9416.80
NEM - 1-S	18-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.20	13.10	12.00	987.70
NEM - 1-S	18-Jul-15	7641	Peridinium aciculiferum Lemmermann	400	3.74	31.00	24.00	9349.40
NEM - 2-S	18-Jul-15	2105	Chlamydomonas spp.	14368	0.47	7.00	3.00	33.00
NEM - 2-S	18-Jul-15	2121	Oocystis lacustris Chodat	28736	1.47	6.10	4.00	51.10
NEM - 2-S	18-Jul-15	2132	Scenedesmus denticulatus Lagerhiem	14368	0.67	8.30	4.00	46.40
NEM - 2-S	18-Jul-15	2167	Elakatothrix gelatinosa Willen	7184	0.11	10.00	2.00	15.70
NEM - 2-S	18-Jul-15	2178	Cosmarium sp.	400	0.56	20.00	20.00	1396.30
NEM - 2-S	18-Jul-15	4351	Small chrysophyceae	567536	8.85	3.10	3.10	15.60
NEM - 2-S	18-Jul-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
NEM - 2-S	18-Jul-15	4357	Chrysococcus sp.	1041680	72.40	5.10	5.10	69.50
NEM - 2-S	18-Jul-15	4362	Kephyrion sp.	366384	4.69	2.90	2.90	12.80
NEM - 2-S	18-Jul-15	4363	Spinifiromonas sirratus*****	7184	0.90	6.20	6.20	124.80
NEM - 2-S	18-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	800	0.77	18.30	10.00	958.20
NEM - 2-S	18-Jul-15	4378	Dinobryon borgei Lemmermann	107760	5.66	9.80	3.20	52.50
NEM - 2-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	50288	11.94	12.60	6.00	237.50
NEM - 2-S	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	2400	4.78	0.00	0.00	1991.00
NEM - 2-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	43104	9.75	12.00	6.00	226.20
NEM - 2-S	18-Jul-15	4390	Dinobryon sociale Ehrenberg	4600	5.62	0.00	0.00	1221.00
NEM - 2-S	18-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	201152	5.37	5.30	3.10	26.70
NEM - 2-S	18-Jul-15	4413	Chrysochromulina laurentiana Kling	150864	61.51	9.20	9.20	407.70
NEM - 2-S	18-Jul-15	4414	Stichogloea spp.	100576	5.06	6.00	4.00	50.30
NEM - 2-S	18-Jul-15	4415	Bicoeca lacustris Clark	7184	0.22	5.40	3.30	30.80
NEM - 2-S	18-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.51	9.30	18.60	1263.50
NEM - 2-S	18-Jul-15	5509	Cyclotella ocellata Pant.	28736	4.54	4.65	9.30	157.90
NEM - 2-S	18-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	1600	2.05	25.00	14.00	1282.80
NEM - 2-S	18-Jul-15	5518	Synedra acus Kutzing	20200	1.69	80.00	2.00	83.80
NEM - 2-S	18-Jul-15	5551	Cyclotella michiganiana Skvortzow	208336	5.10	2.50	5.00	24.50
NEM - 2-S	18-Jul-15	6554	Rhodomonas minuta Skuja	100576	9.92	11.30	5.00	98.60
NEM - 2-S	18-Jul-15	6558	Cryptomonas erosa Ehrenberg	3400	2.56	21.60	10.00	754.00

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
NEM - 2-S	18-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	600	0.40	19.00	10.00	663.20
NEM - 2-S	18-Jul-15	7631	Gymnodinium helveticum Penard	200	5.00	53.00	30.00	24975.70
NEM - 2-S	18-Jul-15	7632	Gymnodinium sp.	7184	2.52	10.20	8.10	350.40
NEM - 2-S	18-Jul-15	7632	Gymnodinium sp.	200	1.26	22.90	22.90	6287.90
NEM - 2-S	18-Jul-15	7635	Peridinium willei Huitfeldt-Kaas	200	6.21	39.00	39.00	31059.40
NEM - 2-S	18-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	1000	1.01	13.00	12.20	1013.10
NEM - 2-S	18-Jul-15	7641	Peridinium aciculiferum Lemmermann	600	5.61	31.00	24.00	9349.40
NEM - 2-SR	18-Jul-15	2105	Chlamydomonas spp.	14368	0.47	7.00	3.00	33.00
NEM - 2-SR	18-Jul-15	2121	Oocystis lacustris Chodat	14368	0.73	6.10	4.00	51.10
NEM - 2-SR	18-Jul-15	2167	Elakatothrix gelatinosa Willen	28736	0.45	10.00	2.00	15.70
NEM - 2-SR	18-Jul-15	2178	Cosmarium sp.	600	0.84	20.00	20.00	1396.30
NEM - 2-SR	18-Jul-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.42	31.00	2.20	58.90
NEM - 2-SR	18-Jul-15	4351	Small chrysophyceae	452592	7.06	3.10	3.10	15.60
NEM - 2-SR	18-Jul-15	4352	Large chrysophyceae	64656	11.61	7.00	7.00	179.60
NEM - 2-SR	18-Jul-15	4357	Chrysococcus sp.	1034496	71.90	5.10	5.10	69.50
NEM - 2-SR	18-Jul-15	4362	Kephyrion sp.	452592	5.79	2.90	2.90	12.80
NEM - 2-SR	18-Jul-15	4363	Spinifiromonas sirratus*****	21552	2.69	6.20	6.20	124.80
NEM - 2-SR	18-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	1800	1.72	18.30	10.00	958.20
NEM - 2-SR	18-Jul-15	4378	Dinobryon borgei Lemmermann	150864	7.20	8.90	3.20	47.70
NEM - 2-SR	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	64656	14.63	12.00	6.00	226.20
NEM - 2-SR	18-Jul-15	4388	Dinobryon sertularia Ehrenberg	2400	4.78	0.00	0.00	1991.00
NEM - 2-SR	18-Jul-15	4390	Dinobryon sociale Ehrenberg	50288	11.94	12.60	6.00	237.50
NEM - 2-SR	18-Jul-15	4390	Dinobryon sociale Ehrenberg	3800	4.64	0.00	0.00	1221.00
NEM - 2-SR	18-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	179600	4.80	5.30	3.10	26.70
NEM - 2-SR	18-Jul-15	4400	Ochromonas sp.	7184	0.52	8.60	4.00	72.00
NEM - 2-SR	18-Jul-15	4413	Chrysochromulina laurentiana Kling	114944	46.86	9.20	9.20	407.70
NEM - 2-SR	18-Jul-15	4414	Stichogloea spp.	71840	3.61	6.00	4.00	50.30
NEM - 2-SR	18-Jul-15	4415	Bicoeca lacustris Clark	7184	0.22	5.40	3.30	30.80
NEM - 2-SR	18-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.25	9.30	18.60	1263.50
NEM - 2-SR	18-Jul-15	5509	Cyclotella ocellata Pant.	43104	6.81	4.65	9.30	157.90
NEM - 2-SR	18-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	2000	2.57	25.00	14.00	1282.80
NEM - 2-SR	18-Jul-15	5518	Synedra acus Kutzing	19200	1.61	80.00	2.00	83.80
NEM - 2-SR	18-Jul-15	5551	Cyclotella michiganiana Skvortzow	165232	4.05	2.50	5.00	24.50
NEM - 2-SR	18-Jul-15	6554	Rhodomonas minuta Skuja	114944	11.33	11.30	5.00	98.60
NEM - 2-SR	18-Jul-15	6558	Cryptomonas erosa Ehrenberg	4400	3.32	21.60	10.00	754.00
NEM - 2-SR	18-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	800	0.53	19.00	10.00	663.20
NEM - 2-SR	18-Jul-15	7632	Gymnodinium sp.	7184	2.52	10.20	8.10	350.40
NEM - 2-SR	18-Jul-15	7635	Peridinium willei Huitfeldt-Kaas	200	6.21	39.00	39.00	31059.40
NEM - 2-SR	18-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	800	0.81	13.00	12.20	1013.10
NEM - 2-SR	18-Jul-15	7641	Peridinium aciculiferum Lemmermann	200	1.87	31.00	24.00	9349.40
NEM - 3-S	23-Aug-15	2105	Chlamydomonas spp.	21552	0.47	6.10	2.60	21.60
NEM - 3-S	23-Aug-15	2112	Sphaerocystis Schroeteri Chodat	43104	1.44	4.00	4.00	33.50
NEM - 3-S	23-Aug-15	2121	Oocystis lacustris Chodat	251440	16.85	8.00	4.00	67.00
NEM - 3-S	23-Aug-15	2137	Dictyosphaerium simplex Sukja	71840	0.26	1.90	1.90	3.60
NEM - 3-S	23-Aug-15	2167	Elakatothrix gelatinosa Willen	28736	0.59	13.10	2.00	20.60
NEM - 3-S	23-Aug-15	2178	Cosmarium sp.	600	0.84	20.00	20.00	1396.30
NEM - 3-S	23-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.49	36.00	2.20	68.40
NEM - 3-S	23-Aug-15	4351	Small chrysophyceae	280176	4.82	3.20	3.20	17.20
NEM - 3-S	23-Aug-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
NEM - 3-S	23-Aug-15	4357	Chrysococcus sp.	129312	8.46	5.00	5.00	65.40
NEM - 3-S	23-Aug-15	4362	Kephyrion sp.	201152	3.78	3.30	3.30	18.80
NEM - 3-S	23-Aug-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.65	21.60	12.00	1628.60
NEM - 3-S	23-Aug-15	4378	Dinobryon borgei Lemmermann	43104	2.57	8.80	3.60	59.70
NEM - 3-S	23-Aug-15	4381	Dinobryon mucronutum Nygaard	14368	1.88	10.00	5.00	130.90
NEM - 3-S	23-Aug-15	4383	Dinobryon bavaricum Imhof	43104	10.07	12.40	6.00	233.70
NEM - 3-S	23-Aug-15	4383	Dinobryon bavaricum Imhof	2000	2.57	0.00	0.00	1285.00
NEM - 3-S	23-Aug-15	4390	Dinobryon sociale Ehrenberg	35920	8.13	12.00	6.00	226.20
NEM - 3-S	23-Aug-15	4394	Epiphyxis sp.	7184	0.74	9.30	4.60	103.00
NEM - 3-S	23-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	14368	0.42	5.50	3.20	29.50
NEM - 3-S	23-Aug-15	4401	Uroglena volvox Ehrenberg	79024	8.94	6.00	6.00	113.10
NEM - 3-S	23-Aug-15	4413	Chrysochromulina laurentiana Kling	7184	2.93	9.20	9.20	407.70
NEM - 3-S	23-Aug-15	4414	Stichogloea spp.	35920	1.81	6.00	4.00	50.30
NEM - 3-S	23-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.53	9.45	18.90	1325.60
NEM - 3-S	23-Aug-15	5509	Cyclotella ocellata Pant.	179600	20.17	4.15	8.30	112.30
NEM - 3-S	23-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	7184	0.46	9.00	3.00	63.60
NEM - 3-S	23-Aug-15	5518	Synedra acus Kutzing	1400	0.11	75.00	2.00	78.50
NEM - 3-S	23-Aug-15	5540	Aulacoseira italica v subarctica (O. Muller) Simonsen	800	1.05	26.00	8.00	1306.90
NEM - 3-S	23-Aug-15	5551	Cyclotella michiganiana Skvortzow	28736	0.55	2.30	4.60	19.10
NEM - 3-S	23-Aug-15	6554	Rhodomonas minuta Skuja	35920	1.79	8.10	4.20	49.90
NEM - 3-S	23-Aug-15	6568	Katablepharis ovalis Skuja	7184	0.34	8.20	4.00	46.90
NEM - 3-S	23-Aug-15	7632	Gymnodinium sp.	7184	4.14	11.00	10.00	576.00
NEM - 3-S	23-Aug-15	7632	Gymnodinium sp.	200	2.18	27.50	27.50	10889.20
NEM - 4-S	23-Aug-15	1054	Planktolyngbya limnetica	400	0.05	106.00	1.20	119.90
NEM - 4-S	23-Aug-15	2105	Chlamydomonas spp.	7184	0.10	5.60	2.20	14.20
NEM - 4-S	23-Aug-15	2112	Sphaerocystis Schroeteri Chodat	208336	6.98	4.00	4.00	33.50
NEM - 4-S	23-Aug-15	2121	Oocystis lacustris Chodat	107760	7.22	8.00	4.00	67.00
NEM - 4-S	23-Aug-15	2137	Dictyosphaerium simplex Sukja	57472	0.24	2.00	2.00	4.20
NEM - 4-S	23-Aug-15	2167	Elakatothrix gelatinosa Willen	14368	0.29	13.00	2.00	20.40
NEM - 4-S	23-Aug-15	2206	Botryococcus braunii Kutzing	400	0.28	11.00	11.00	696.90
NEM - 4-S	23-Aug-15	2247	Oocystis gigas Archer	200	0.59	22.00	16.00	2948.90

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
NEM - 4-S	23-Aug-15	4351	Small chrysophyceae	136496	2.35	3.20	3.20	17.20
NEM - 4-S	23-Aug-15	4352	Large chrysophyceae	14368	2.58	7.00	7.00	179.60
NEM - 4-S	23-Aug-15	4357	Chrysococcus sp.	64656	4.23	5.00	5.00	65.40
NEM - 4-S	23-Aug-15	4361	Kephyrion boreale Skuja	7184	0.77	5.90	5.90	107.50
NEM - 4-S	23-Aug-15	4362	Kephyrion sp.	143680	2.96	3.40	3.40	20.60
NEM - 4-S	23-Aug-15	4378	Dinobryon borgei Lemmermann	21552	1.32	9.00	3.60	61.10
NEM - 4-S	23-Aug-15	4381	Dinobryon mucronutom Nygaard	43104	5.64	10.00	5.00	130.90
NEM - 4-S	23-Aug-15	4383	Dinobryon bavaricum Imhof	43104	9.99	12.30	6.00	231.80
NEM - 4-S	23-Aug-15	4383	Dinobryon bavaricum Imhof	4600	9.15	0.00	0.00	1990.00
NEM - 4-S	23-Aug-15	4388	Dinobryon sertularia Ehrenberg	28736	6.50	12.00	6.00	226.20
NEM - 4-S	23-Aug-15	4390	Dinobryon sociale Ehrenberg	21552	4.88	12.00	6.00	226.20
NEM - 4-S	23-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	7184	0.20	5.50	3.10	27.70
NEM - 4-S	23-Aug-15	4401	Uroglena volvox Ehrenberg	43104	4.88	6.00	6.00	113.10
NEM - 4-S	23-Aug-15	4413	Chrysochromulina laurentiana Kling	28736	11.72	9.20	9.20	407.70
NEM - 4-S	23-Aug-15	4414	Stichogloea spp.	21552	1.08	6.00	4.00	50.30
NEM - 4-S	23-Aug-15	4436	Dinobryon attenatum Hill	7184	1.50	11.10	6.00	209.20
NEM - 4-S	23-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.63	10.00	20.00	1570.80
NEM - 4-S	23-Aug-15	5509	Cyclotella ocellata Pant.	143680	16.14	4.15	8.30	112.30
NEM - 4-S	23-Aug-15	5518	Synedra acus Kutzing	200	0.02	77.00	2.00	80.60
NEM - 4-S	23-Aug-15	5551	Cyclotella michiganiana Skvortzow	122128	2.33	2.30	4.60	19.10
NEM - 4-S	23-Aug-15	6568	Katablepharis ovalis Skuja	7184	0.34	8.20	4.00	46.90
NEM - 4-S	23-Aug-15	7632	Gymnodinium sp.	200	1.82	25.90	25.90	9097.00
NEM - 5-S	19-Sep-15	1014	Chroococcus limneticus Lemmermann	14368	0.60	4.30	4.30	41.60
NEM - 5-S	19-Sep-15	1054	Planktolyngbya limnetica	1000	0.12	103.00	1.20	116.50
NEM - 5-S	19-Sep-15	2105	Chlamydomonas spp.	14368	0.25	5.00	2.60	17.70
NEM - 5-S	19-Sep-15	2112	Sphaerocystis Schroeteri Chodat	114944	1.98	3.20	3.20	17.20
NEM - 5-S	19-Sep-15	2121	Oocystis lacustris Chodat	57472	1.72	5.60	3.20	30.00
NEM - 5-S	19-Sep-15	2167	Elakatothrix gelatinosa Willen	64656	1.12	11.00	2.00	17.30
NEM - 5-S	19-Sep-15	2178	Cosmarium sp.	600	0.84	20.00	20.00	1396.30
NEM - 5-S	19-Sep-15	2199	Spondylosium planum (Wolle) W. and G.S. West	7184	0.27	6.00	6.00	37.70
NEM - 5-S	19-Sep-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.49	36.00	2.20	68.40
NEM - 5-S	19-Sep-15	4351	Small chrysophyceae	301728	4.71	3.10	3.10	15.60
NEM - 5-S	19-Sep-15	4352	Large chrysophyceae	28736	5.16	7.00	7.00	179.60
NEM - 5-S	19-Sep-15	4357	Chrysococcus sp.	258624	16.91	5.00	5.00	65.40
NEM - 5-S	19-Sep-15	4362	Kephyrion sp.	122128	2.10	3.20	3.20	17.20
NEM - 5-S	19-Sep-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.46	22.10	10.00	1157.20
NEM - 5-S	19-Sep-15	4378	Dinobryon borgei Lemmermann	28736	1.39	9.00	3.20	48.30
NEM - 5-S	19-Sep-15	4381	Dinobryon mucronutom Nygaard	35920	4.70	10.00	5.00	130.90
NEM - 5-S	19-Sep-15	4383	Dinobryon bavaricum Imhof	71840	16.25	12.00	6.00	226.20
NEM - 5-S	19-Sep-15	4383	Dinobryon bavaricum Imhof	11200	37.97	0.00	0.00	3390.00
NEM - 5-S	19-Sep-15	4388	Dinobryon sertularia Ehrenberg	21552	4.88	12.00	6.00	226.20
NEM - 5-S	19-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	14368	0.48	5.50	3.40	33.30
NEM - 5-S	19-Sep-15	4401	Uroglena volvox Ehrenberg	35920	4.06	6.00	6.00	113.10
NEM - 5-S	19-Sep-15	4413	Chrysochromulina laurentiana Kling	35920	15.13	9.30	9.30	421.20
NEM - 5-S	19-Sep-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
NEM - 5-S	19-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	1000	1.33	9.45	18.90	1325.60
NEM - 5-S	19-Sep-15	5509	Cyclotella ocellata Pant.	71840	8.97	4.30	8.60	124.90
NEM - 5-S	19-Sep-15	5523	Synedra ulna (Nitzsch) Ehrenberg	200	1.39	265.00	10.00	6937.70
NEM - 5-S	19-Sep-15	5551	Cyclotella michiganiana Skvortzow	215520	4.68	2.40	4.80	21.70
NEM - 5-S	19-Sep-15	5720	Cyclotella bodanica Eulenst.	200	1.54	17.00	34.00	7717.30
NEM - 5-S	19-Sep-15	6554	Rhodomonas minuta Skuja	7184	0.41	9.30	4.20	57.30
NEM - 5-S	19-Sep-15	6558	Cryptomonas erosa Ehrenberg	200	0.16	22.60	10.00	788.90
NEM - 5-S	19-Sep-15	7632	Gymnodinium sp.	7184	2.41	10.00	8.00	335.10
NEM - 5-S	19-Sep-15	7632	Gymnodinium sp.	400	4.08	26.90	26.90	10191.90
NEM - 6-S	19-Sep-15	1012	Aphanothece sp.	14368	0.57	0.00	0.00	40.00
NEM - 6-S	19-Sep-15	1054	Planktolyngbya limnetica	600	0.07	96.00	1.20	108.60
NEM - 6-S	19-Sep-15	2105	Chlamydomonas spp.	14368	0.25	5.00	2.60	17.70
NEM - 6-S	19-Sep-15	2112	Sphaerocystis Schroeteri Chodat	93392	1.76	3.30	3.30	18.80
NEM - 6-S	19-Sep-15	2121	Oocystis lacustris Chodat	50288	1.51	5.60	3.20	30.00
NEM - 6-S	19-Sep-15	2167	Elakatothrix gelatinosa Willen	43104	0.75	11.00	2.00	17.30
NEM - 6-S	19-Sep-15	2178	Cosmarium sp.	400	0.70	21.60	21.60	1758.90
NEM - 6-S	19-Sep-15	2206	Botryococcus braunii Kutzing	200	0.18	12.00	12.00	904.80
NEM - 6-S	19-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
NEM - 6-S	19-Sep-15	4351	Small chrysophyceae	395120	6.16	3.10	3.10	15.60
NEM - 6-S	19-Sep-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
NEM - 6-S	19-Sep-15	4357	Chrysococcus sp.	366384	23.96	5.00	5.00	65.40
NEM - 6-S	19-Sep-15	4361	Kephyrion boreale Skuja	7184	0.81	6.00	6.00	113.10
NEM - 6-S	19-Sep-15	4362	Kephyrion sp.	265808	4.57	3.20	3.20	17.20
NEM - 6-S	19-Sep-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.22	21.00	10.00	1099.60
NEM - 6-S	19-Sep-15	4378	Dinobryon borgei Lemmermann	7184	0.35	9.00	3.20	48.30
NEM - 6-S	19-Sep-15	4381	Dinobryon mucronutom Nygaard	28736	3.76	10.00	5.00	130.90
NEM - 6-S	19-Sep-15	4383	Dinobryon bavaricum Imhof	71840	16.25	12.00	6.00	226.20
NEM - 6-S	19-Sep-15	4383	Dinobryon bavaricum Imhof	13000	44.07	0.00	0.00	3390.00
NEM - 6-S	19-Sep-15	4388	Dinobryon sertularia Ehrenberg	7184	1.76	13.00	6.00	245.00
NEM - 6-S	19-Sep-15	4390	Dinobryon sociale Ehrenberg	64656	14.63	12.00	6.00	226.20
NEM - 6-S	19-Sep-15	4394	Epiphyxis sp.	14368	0.99	8.20	4.00	68.70
NEM - 6-S	19-Sep-15	4401	Uroglena volvox Ehrenberg	14368	1.63	6.00	6.00	113.10
NEM - 6-S	19-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
NEM - 6-S	19-Sep-15	4413	Chrysochromulina laurentiana Kling	28736	10.97	9.00	9.00	381.70
NEM - 6-S	19-Sep-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
NEM - 6-S	19-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	14368	0.43	5.60	3.20	30.00
NEM - 6-S	19-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	600	0.76	9.30	18.60	1263.50
NEM - 6-S	19-Sep-15	5509	Cyclotella ocellata Pant.	28736	3.00	4.05	8.10	104.30
NEM - 6-S	19-Sep-15	5514	Tabellaria flocculsa (Roth) Kutzing	200	0.26	25.00	14.00	1282.80
NEM - 6-S	19-Sep-15	5551	Cyclotella michiganiana Skvortzow	179600	3.90	2.40	4.80	21.70
NEM - 6-S	19-Sep-15	6554	Rhodomonas minuta Skuja	14368	0.82	9.30	4.20	57.30
NEM - 6-S	19-Sep-15	6558	Cryptomonas erosa Ehrenberg	400	0.29	21.10	10.00	736.50
NEM - 6-S	19-Sep-15	6562	Cryptomonas reflexa (Marsson) Skuja	200	0.13	19.00	10.00	663.20
NEM - 6-S	19-Sep-15	6568	Katablepharis ovalis Skuja	14368	0.64	8.00	4.00	44.70
NEM - 6-S	19-Sep-15	7632	Gymnodinium sp.	400	4.08	26.90	26.90	10191.90
NEM - 6-SR	19-Sep-15	1012	Aphanothece sp.	7184	0.29	0.00	0.00	40.00
NEM - 6-SR	19-Sep-15	1054	Planktolyngbya limnetica	1800	0.20	96.00	1.20	108.60
NEM - 6-SR	19-Sep-15	2105	Chlamydomonas spp.	7184	0.13	5.00	2.60	17.70
NEM - 6-SR	19-Sep-15	2112	Sphaerocystis Schroeteri Chodat	64656	1.22	3.30	3.30	18.80
NEM - 6-SR	19-Sep-15	2121	Oocystis lacustris Chodat	79024	2.37	5.60	3.20	30.00
NEM - 6-SR	19-Sep-15	2167	Elakatothrix gelatinosa Willen	28736	0.50	11.00	2.00	17.30
NEM - 6-SR	19-Sep-15	2178	Cosmarium sp.	200	0.35	21.60	21.60	1758.90
NEM - 6-SR	19-Sep-15	2206	Botryococcus braunii Kutzing	200	0.18	12.00	12.00	904.80
NEM - 6-SR	19-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
NEM - 6-SR	19-Sep-15	4351	Small chrysophyceae	308912	4.82	3.10	3.10	15.60
NEM - 6-SR	19-Sep-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
NEM - 6-SR	19-Sep-15	4357	Chrysococcus sp.	373568	24.43	5.00	5.00	65.40
NEM - 6-SR	19-Sep-15	4358	Chrysostephanospaera globulifera Scherffel	14368	5.67	9.10	9.10	394.60
NEM - 6-SR	19-Sep-15	4361	Kephyrion boreale Skuja	28736	3.25	6.00	6.00	113.10
NEM - 6-SR	19-Sep-15	4362	Kephyrion sp.	229888	3.95	3.20	3.20	17.20
NEM - 6-SR	19-Sep-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.22	21.00	10.00	1099.60
NEM - 6-SR	19-Sep-15	4378	Dinobryon borgei Lemmermann	28736	1.39	9.00	3.20	48.30
NEM - 6-SR	19-Sep-15	4381	Dinobryon mucronutum Nygaard	14368	1.88	10.00	5.00	130.90
NEM - 6-SR	19-Sep-15	4383	Dinobryon bavaricum Imhof	57472	13.00	12.00	6.00	226.20
NEM - 6-SR	19-Sep-15	4383	Dinobryon bavaricum Imhof	14600	49.49	0.00	0.00	3390.00
NEM - 6-SR	19-Sep-15	4390	Dinobryon sociale Ehrenberg	57472	13.00	12.00	6.00	226.20
NEM - 6-SR	19-Sep-15	4394	Epiphyxis sp.	14368	0.99	8.20	4.00	68.70
NEM - 6-SR	19-Sep-15	4400	Ochromonas sp.	7184	0.44	4.90	4.90	61.60
NEM - 6-SR	19-Sep-15	4401	Uroglena volvox Ehrenberg	43104	4.88	6.00	6.00	113.10
NEM - 6-SR	19-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
NEM - 6-SR	19-Sep-15	4413	Chrysochromulina laurentiana Kling	21552	8.23	9.00	9.00	381.70
NEM - 6-SR	19-Sep-15	4414	Stichogloea spp.	28736	1.45	6.00	4.00	50.30
NEM - 6-SR	19-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	28736	0.86	5.60	3.20	30.00
NEM - 6-SR	19-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.25	9.30	18.60	1263.50
NEM - 6-SR	19-Sep-15	5509	Cyclotella ocellata Pant.	7184	0.75	4.05	8.10	104.30
NEM - 6-SR	19-Sep-15	5511	Rhizosolenia erianse H.L. Smith	7184	0.46	9.00	3.00	63.60
NEM - 6-SR	19-Sep-15	5518	Synedra acus Kutzing	600	0.05	81.00	2.00	84.80
NEM - 6-SR	19-Sep-15	5551	Cyclotella michiganiana Skvortzow	179600	3.90	2.40	4.80	21.70
NEM - 6-SR	19-Sep-15	6554	Rhodomonas minuta Skuja	7184	0.39	9.30	4.10	54.60
NEM - 6-SR	19-Sep-15	6558	Cryptomonas erosa Ehrenberg	600	0.44	21.10	10.00	736.50
NEM - 6-SR	19-Sep-15	6568	Katablepharis ovalis Skuja	7184	0.32	8.00	4.00	44.70
NEM - 6-SR	19-Sep-15	7632	Gymnodinium sp.	200	2.04	26.90	26.90	10191.90
WTN - 1-S	17-Jul-15	2105	Chlamydomonas spp.	14368	0.34	5.00	3.00	23.60
WTN - 1-S	17-Jul-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.49	36.00	2.20	68.40
WTN - 1-S	17-Jul-15	2260	Monomastix minuta Skuja	14368	0.32	6.30	3.20	22.50
WTN - 1-S	17-Jul-15	4351	Small chrysophyceae	395120	5.06	2.90	2.90	12.80
WTN - 1-S	17-Jul-15	4352	Large chrysophyceae	7184	0.94	6.30	6.30	130.90
WTN - 1-S	17-Jul-15	4357	Chrysococcus sp.	2923888	149.12	4.60	4.60	51.00
WTN - 1-S	17-Jul-15	4358	Chrysostephanospaera globulifera Scherffel	7184	2.65	8.90	8.90	369.10
WTN - 1-S	17-Jul-15	4362	Kephyrion sp.	344832	5.93	3.20	3.20	17.20
WTN - 1-S	17-Jul-15	4363	Spinifiromonas sirratus*****	14368	1.32	5.60	5.60	92.00
WTN - 1-S	17-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.21	20.00	10.00	1047.20
WTN - 1-S	17-Jul-15	4378	Dinobryon borgei Lemmermann	7184	0.37	9.00	3.30	51.30
WTN - 1-S	17-Jul-15	4381	Dinobryon mucronutum Nygaard	14368	1.88	10.00	5.00	130.90
WTN - 1-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	79024	20.85	14.00	6.00	263.90
WTN - 1-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	10600	24.65	0.00	0.00	2325.00
WTN - 1-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	35920	8.13	12.00	6.00	226.20
WTN - 1-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	800	1.59	0.00	0.00	1991.00
WTN - 1-S	17-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	136496	3.85	5.60	3.10	28.20
WTN - 1-S	17-Jul-15	4401	Uroglena volvox Ehrenberg	495696	56.06	6.00	6.00	113.10
WTN - 1-S	17-Jul-15	4413	Chrysochromulina laurentiana Kling	150864	59.53	9.10	9.10	394.60
WTN - 1-S	17-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.18	5.20	3.00	24.50
WTN - 1-S	17-Jul-15	4436	Dinobryon attenuatum Hill	7184	1.53	11.30	6.00	213.00
WTN - 1-S	17-Jul-15	5509	Cyclotella ocellata Pant.	7184	0.81	4.15	8.30	112.30
WTN - 1-S	17-Jul-15	5518	Synedra acus Kutzing	400	0.03	81.00	2.00	84.80
WTN - 1-S	17-Jul-15	5551	Cyclotella michiganiana Skvortzow	57472	1.33	2.45	4.90	23.10
WTN - 1-S	17-Jul-15	6554	Rhodomonas minuta Skuja	14368	1.30	10.00	5.10	90.80
WTN - 1-S	17-Jul-15	6558	Cryptomonas erosa Ehrenberg	1600	1.15	20.60	10.00	719.10
WTN - 1-S	17-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	400	0.27	19.10	10.00	666.70
WTN - 1-S	17-Jul-15	6565	Cryptomonas rostratiformis Skuja	200	0.38	28.00	14.00	1915.70
WTN - 1-S	17-Jul-15	6568	Katablepharis ovalis Skuja	79024	3.62	8.10	4.00	45.80
WTN - 1-S	17-Jul-15	7632	Gymnodinium sp.	400	3.64	25.90	25.90	9097.00
WTN - 1-S	17-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	600	0.57	12.60	12.00	950.00
WTN - 1-S	17-Jul-15	7641	Peridinium aciculiferum Lemmermann	600	5.61	31.00	24.00	9349.40
WTN - 2-S	17-Jul-15	2105	Chlamydomonas spp.	7184	0.17	5.00	3.00	23.60

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTN - 2-S	17-Jul-15	2137	Dictyosphaerium simplex Sukja	14368	0.09	2.30	2.30	6.40
WTN - 2-S	17-Jul-15	2178	Cosmarium sp.	200	0.28	20.00	20.00	1396.30
WTN - 2-S	17-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
WTN - 2-S	17-Jul-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.45	33.00	2.20	62.70
WTN - 2-S	17-Jul-15	4351	Small chrysophyceae	948288	12.14	2.90	2.90	12.80
WTN - 2-S	17-Jul-15	4352	Large chrysophyceae	21552	2.82	6.30	6.30	130.90
WTN - 2-S	17-Jul-15	4357	Chrysococcus sp.	1910944	97.46	4.60	4.60	51.00
WTN - 2-S	17-Jul-15	4362	Kephyrion sp.	438224	6.18	3.00	3.00	14.10
WTN - 2-S	17-Jul-15	4363	Spinifiromonas sirratus*****	21552	2.56	6.10	6.10	118.80
WTN - 2-S	17-Jul-15	4378	Dinobryon borgei Lemmermann	14368	0.74	9.00	3.30	51.30
WTN - 2-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	79024	20.85	14.00	6.00	263.90
WTN - 2-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	11800	27.44	0.00	0.00	2325.00
WTN - 2-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	7184	1.63	12.00	6.00	226.20
WTN - 2-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	1400	2.79	0.00	0.00	1991.00
WTN - 2-S	17-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	215520	6.08	5.60	3.10	28.20
WTN - 2-S	17-Jul-15	4401	Uroglena volvox Ehrenberg	193968	21.94	6.00	6.00	113.10
WTN - 2-S	17-Jul-15	4413	Chrysochromulina laurentiana Kling	71840	28.35	9.10	9.10	394.60
WTN - 2-S	17-Jul-15	4414	Stichogloea spp.	21552	1.08	6.00	4.00	50.30
WTN - 2-S	17-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.18	5.20	3.00	24.50
WTN - 2-S	17-Jul-15	4436	Dinobryon attenatum Hill	7184	1.35	10.00	6.00	188.50
WTN - 2-S	17-Jul-15	5509	Cyclotella ocellata Pant.	7184	0.81	4.15	8.30	112.30
WTN - 2-S	17-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	1200	1.57	25.50	14.00	1308.50
WTN - 2-S	17-Jul-15	5518	Synedra acus Kutzing	2000	0.17	81.00	2.00	84.80
WTN - 2-S	17-Jul-15	5551	Cyclotella michiganiana Skvortzow	57472	1.10	2.30	4.60	19.10
WTN - 2-S	17-Jul-15	6558	Cryptomonas erosa Ehrenberg	14368	1.30	10.00	5.10	90.80
WTN - 2-S	17-Jul-15	6558	Cryptomonas erosa Ehrenberg	3400	2.49	21.00	10.00	733.00
WTN - 2-S	17-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	400	0.27	19.60	10.00	684.20
WTN - 2-S	17-Jul-15	6565	Cryptomonas rostratiformis Skuja	200	0.38	28.00	14.00	1915.70
WTN - 2-S	17-Jul-15	6568	Katablepharis ovalis Skuja	50288	2.30	8.10	4.00	45.80
WTN - 2-S	17-Jul-15	7632	Gymnodinium sp.	7184	2.65	11.00	8.00	368.60
WTN - 2-S	17-Jul-15	7632	Gymnodinium sp.	1800	16.57	26.00	26.00	9202.80
WTN - 2-S	17-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	800	0.80	13.30	12.00	1002.80
WTN - 2-S	17-Jul-15	7641	Peridinium aciculiferum Lemmermann	600	5.46	30.20	24.00	9108.10
WTN - 3-S	20-Aug-15	1054	Planktolynghya limnetica	800	0.10	116.00	1.20	131.20
WTN - 3-S	20-Aug-15	2121	Oocystis lacustris Chodat	43104	2.17	6.00	4.00	50.30
WTN - 3-S	20-Aug-15	2137	Dictyosphaerium simplex Sukja	64656	0.27	2.00	2.00	4.20
WTN - 3-S	20-Aug-15	2167	Elakatothrix gelatinosa Willen	43104	0.88	13.00	2.00	20.40
WTN - 3-S	20-Aug-15	2182	Euastrum spp.	200	0.37	22.00	22.00	1858.40
WTN - 3-S	20-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	14368	0.85	34.00	2.10	58.90
WTN - 3-S	20-Aug-15	4351	Small chrysophyceae	323280	5.56	3.20	3.20	17.20
WTN - 3-S	20-Aug-15	4352	Large chrysophyceae	35920	6.45	7.00	7.00	179.60
WTN - 3-S	20-Aug-15	4357	Chrysococcus sp.	387936	25.37	5.00	5.00	65.40
WTN - 3-S	20-Aug-15	4361	Kephyrion boreale Skuja	21552	2.56	6.10	6.10	118.80
WTN - 3-S	20-Aug-15	4362	Kephyrion sp.	158048	2.97	3.30	3.30	18.80
WTN - 3-S	20-Aug-15	4363	Spinifiromonas sirratus*****	7184	1.08	6.60	6.60	150.50
WTN - 3-S	20-Aug-15	4378	Dinobryon borgei Lemmermann	100576	6.22	9.10	3.60	61.80
WTN - 3-S	20-Aug-15	4381	Dinobryon mucronutom Nygaard	35920	4.70	10.00	5.00	130.90
WTN - 3-S	20-Aug-15	4383	Dinobryon bavaricum Imhof	50288	11.38	12.00	6.00	226.20
WTN - 3-S	20-Aug-15	4383	Dinobryon bavaricum Imhof	1000	1.99	0.00	0.00	1990.00
WTN - 3-S	20-Aug-15	4388	Dinobryon sertularia Ehrenberg	14368	3.41	12.60	6.00	237.50
WTN - 3-S	20-Aug-15	4388	Dinobryon sertularia Ehrenberg	200	0.53	0.00	0.00	2650.00
WTN - 3-S	20-Aug-15	4390	Dinobryon sociale Ehrenberg	28736	6.50	12.00	6.00	226.20
WTN - 3-S	20-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	43104	1.06	5.20	3.00	24.50
WTN - 3-S	20-Aug-15	4401	Uroglena volvox Ehrenberg	186784	21.13	6.00	6.00	113.10
WTN - 3-S	20-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
WTN - 3-S	20-Aug-15	4413	Chrysochromulina laurentiana Kling	86208	35.15	9.20	9.20	407.70
WTN - 3-S	20-Aug-15	4414	Stichogloea spp.	21552	1.08	6.00	4.00	50.30
WTN - 3-S	20-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	50288	1.40	5.20	3.20	27.90
WTN - 3-S	20-Aug-15	4437	Pteridomonas sp.	7184	1.33	8.10	8.10	185.50
WTN - 3-S	20-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.63	10.00	20.00	1570.80
WTN - 3-S	20-Aug-15	5509	Cyclotella ocellata Pant.	28736	3.11	4.10	8.20	108.30
WTN - 3-S	20-Aug-15	5511	Rhizosolenia erienne H.L. Smith	21552	1.68	11.00	3.00	77.80
WTN - 3-S	20-Aug-15	5518	Synedra acus Kutzing	1800	0.14	76.00	2.00	79.60
WTN - 3-S	20-Aug-15	5551	Cyclotella michiganiana Skvortzow	79024	1.71	2.40	4.80	21.70
WTN - 3-S	20-Aug-15	6554	Rhodomonas minuta Skuja	93392	4.33	8.30	4.00	46.40
WTN - 3-S	20-Aug-15	6568	Katablepharis ovalis Skuja	71840	3.46	8.30	4.00	48.10
WTN - 3-S	20-Aug-15	7632	Gymnodinium sp.	21552	7.22	10.00	8.00	335.10
WTN - 3-S	20-Aug-15	7632	Gymnodinium sp.	1800	16.37	25.90	25.90	9097.00
WTN - 3-S	20-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.25	14.20	13.00	1256.50
WTN - 3-SR	20-Aug-15	1054	Planktolynghya limnetica	1400	0.18	116.00	1.20	131.20
WTN - 3-SR	20-Aug-15	2105	Chlamydomonas spp.	14368	0.35	5.60	2.90	24.70
WTN - 3-SR	20-Aug-15	2121	Oocystis lacustris Chodat	71840	3.61	6.00	4.00	50.30
WTN - 3-SR	20-Aug-15	2137	Dictyosphaerium simplex Sukja	114944	0.48	2.00	2.00	4.20
WTN - 3-SR	20-Aug-15	2178	Cosmarium sp.	200	0.28	20.00	20.00	1396.30
WTN - 3-SR	20-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.42	34.00	2.10	58.90
WTN - 3-SR	20-Aug-15	4351	Small chrysophyceae	258624	4.45	3.20	3.20	17.20
WTN - 3-SR	20-Aug-15	4352	Large chrysophyceae	14368	2.58	7.00	7.00	179.60
WTN - 3-SR	20-Aug-15	4357	Chrysococcus sp.	423856	27.72	5.00	5.00	65.40
WTN - 3-SR	20-Aug-15	4361	Kephyrion boreale Skuja	14368	1.71	6.10	6.10	118.80
WTN - 3-SR	20-Aug-15	4362	Kephyrion sp.	122128	2.30	3.30	3.30	18.80

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTN - 3-SR	20-Aug-15	4378	Dinobryon borgei Lemmermann	71840	4.44	9.10	3.60	61.80
WTN - 3-SR	20-Aug-15	4381	Dinobryon mucronutom Nygaard	35920	4.70	10.00	5.00	130.90
WTN - 3-SR	20-Aug-15	4383	Dinobryon bavaricum Imhof	71840	16.25	12.00	6.00	226.20
WTN - 3-SR	20-Aug-15	4383	Dinobryon bavaricum Imhof	1400	2.79	0.00	0.00	1990.00
WTN - 3-SR	20-Aug-15	4388	Dinobryon sertularia Ehrenberg	14368	3.41	12.60	6.00	237.50
WTN - 3-SR	20-Aug-15	4388	Dinobryon sertularia Ehrenberg	200	0.53	0.00	0.00	2650.00
WTN - 3-SR	20-Aug-15	4390	Dinobryon sociale Ehrenberg	14368	3.25	12.00	6.00	226.20
WTN - 3-SR	20-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	28736	0.70	5.20	3.00	24.50
WTN - 3-SR	20-Aug-15	4401	Uroglena volvox Ehrenberg	251440	28.44	6.00	6.00	113.10
WTN - 3-SR	20-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	21552	1.08	6.00	4.00	50.30
WTN - 3-SR	20-Aug-15	4413	Chrysochromulina laurentiana Kling	107760	43.93	9.20	9.20	407.70
WTN - 3-SR	20-Aug-15	4414	Stichogloea spp.	28736	1.45	6.00	4.00	50.30
WTN - 3-SR	20-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	57472	1.62	5.60	3.10	28.20
WTN - 3-SR	20-Aug-15	4437	Pteridomonas sp.	7184	1.33	8.10	8.10	185.50
WTN - 3-SR	20-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.31	10.00	20.00	1570.80
WTN - 3-SR	20-Aug-15	5509	Cyclotella ocellata Pant.	35920	3.89	4.10	8.20	108.30
WTN - 3-SR	20-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	7184	0.56	11.00	3.00	77.80
WTN - 3-SR	20-Aug-15	5518	Synedra acus Kutzing	2400	0.19	76.00	2.00	79.60
WTN - 3-SR	20-Aug-15	5551	Cyclotella michiganiana Skvortzow	43104	0.94	2.40	4.80	21.70
WTN - 3-SR	20-Aug-15	6554	Rhodomonas minuta Skuja	122128	5.67	8.30	4.00	46.40
WTN - 3-SR	20-Aug-15	6568	Katablepharis ovalis Skuja	57472	2.76	8.30	4.00	48.10
WTN - 3-SR	20-Aug-15	7632	Gymnodinium sp.	35920	12.04	10.00	8.00	335.10
WTN - 3-SR	20-Aug-15	7632	Gymnodinium sp.	1400	12.74	25.90	25.90	9097.00
WTN - 3-SR	20-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	600	0.75	14.20	13.00	1256.50
WTN - 4-S	20-Aug-15	1054	Planktolynghya limnetica	400	0.05	100.00	1.20	113.10
WTN - 4-S	20-Aug-15	2112	Sphaerocystis Schroeteri Chodat	64656	1.86	3.80	3.80	28.70
WTN - 4-S	20-Aug-15	2121	Oocystis lacustris Chodat	14368	0.72	6.00	4.00	50.30
WTN - 4-S	20-Aug-15	2137	Dictyosphaerium simplex Sukja	14368	0.06	2.00	2.00	4.20
WTN - 4-S	20-Aug-15	2167	Elakatothrix gelatinosa Willen	43104	0.83	12.30	2.00	19.30
WTN - 4-S	20-Aug-15	2206	Botryococcus braunii Kutzing	200	0.14	11.00	11.00	696.90
WTN - 4-S	20-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	21552	0.10	3.00	3.00	4.70
WTN - 4-S	20-Aug-15	4351	Small chrysophyceae	251440	4.32	3.20	3.20	17.20
WTN - 4-S	20-Aug-15	4352	Large chrysophyceae	50288	9.03	7.00	7.00	179.60
WTN - 4-S	20-Aug-15	4357	Chrysococcus sp.	359200	23.49	5.00	5.00	65.40
WTN - 4-S	20-Aug-15	4358	Chrysostephanosphaera globulifera Scherffel	7184	1.65	7.60	7.60	229.80
WTN - 4-S	20-Aug-15	4361	Kephyrion boreale Skuja	14368	1.71	6.10	6.10	118.80
WTN - 4-S	20-Aug-15	4362	Kephyrion sp.	143680	2.96	3.40	3.40	20.60
WTN - 4-S	20-Aug-15	4367	Mallomonas duerschmidtiae Siver, Hamer and Kling	200	0.13	19.00	8.00	636.70
WTN - 4-S	20-Aug-15	4378	Dinobryon borgei Lemmermann	21552	1.33	9.10	3.60	61.80
WTN - 4-S	20-Aug-15	4381	Dinobryon mucronutom Nygaard	7184	0.94	10.00	5.00	130.90
WTN - 4-S	20-Aug-15	4383	Dinobryon bavaricum Imhof	28736	6.50	12.00	6.00	226.20
WTN - 4-S	20-Aug-15	4383	Dinobryon bavaricum Imhof	1000	1.99	0.00	0.00	1990.00
WTN - 4-S	20-Aug-15	4388	Dinobryon sertularia Ehrenberg	7184	1.76	13.00	6.00	245.00
WTN - 4-S	20-Aug-15	4390	Dinobryon sociale Ehrenberg	28736	6.50	12.00	6.00	226.20
WTN - 4-S	20-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	7184	0.18	5.20	3.00	24.50
WTN - 4-S	20-Aug-15	4401	Uroglena volvox Ehrenberg	165232	18.69	6.00	6.00	113.10
WTN - 4-S	20-Aug-15	4401	Uroglena volvox Ehrenberg	200	2.26	0.00	0.00	11300.00
WTN - 4-S	20-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	21552	1.08	6.00	4.00	50.30
WTN - 4-S	20-Aug-15	4413	Chrysochromulina laurentiana Kling	43104	17.57	9.20	9.20	407.70
WTN - 4-S	20-Aug-15	4414	Stichogloea spp.	35920	1.81	6.00	4.00	50.30
WTN - 4-S	20-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.20	5.60	3.10	28.20
WTN - 4-S	20-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.31	10.00	20.00	1570.80
WTN - 4-S	20-Aug-15	5509	Cyclotella ocellata Pant.	57472	6.69	4.20	8.40	116.40
WTN - 4-S	20-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	7184	0.46	9.00	3.00	63.60
WTN - 4-S	20-Aug-15	5514	Tabellaria flocculsa (Roth) Kutzing	1400	1.75	24.30	14.00	1246.90
WTN - 4-S	20-Aug-15	5518	Synedra acus Kutzing	1200	0.10	80.00	2.00	83.80
WTN - 4-S	20-Aug-15	5551	Cyclotella michiganiana Skvortzow	79024	1.71	2.40	4.80	21.70
WTN - 4-S	20-Aug-15	6554	Rhodomonas minuta Skuja	86208	4.00	8.30	4.00	46.40
WTN - 4-S	20-Aug-15	6568	Katablepharis ovalis Skuja	14368	0.69	8.30	4.00	48.10
WTN - 4-S	20-Aug-15	7632	Gymnodinium sp.	43104	14.44	10.00	8.00	335.10
WTN - 4-S	20-Aug-15	7632	Gymnodinium sp.	1200	15.48	29.10	29.10	12902.60
WTN - 4-S	20-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	400	0.50	14.20	13.00	1256.50
WTN - 5-S	18-Sep-15	1054	Planktolynghya limnetica	200	0.02	109.00	1.20	123.30
WTN - 5-S	18-Sep-15	1073	Snowella sp	400	0.22	0.00	0.00	550.00
WTN - 5-S	18-Sep-15	2105	Chlamydomonas spp.	21552	0.48	4.70	3.00	22.10
WTN - 5-S	18-Sep-15	2112	Sphaerocystis Schroeteri Chodat	43104	0.55	2.90	2.90	12.80
WTN - 5-S	18-Sep-15	2121	Oocystis lacustris Chodat	43104	2.17	6.00	4.00	50.30
WTN - 5-S	18-Sep-15	2157	Kichnerella lunaris (Kirchn.) Moeb.	28736	0.32	5.90	2.20	11.20
WTN - 5-S	18-Sep-15	2167	Elakatothrix gelatinosa Willen	50288	0.87	11.00	2.00	17.30
WTN - 5-S	18-Sep-15	2186	Xanthidium sp.	7184	1.25	10.00	10.00	174.50
WTN - 5-S	18-Sep-15	2206	Botryococcus braunii Kutzing	400	0.21	10.00	10.00	523.60
WTN - 5-S	18-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	43104	0.20	3.00	3.00	4.70
WTN - 5-S	18-Sep-15	4351	Small chrysophyceae	538800	10.13	3.30	3.30	18.80
WTN - 5-S	18-Sep-15	4352	Large chrysophyceae	35920	13.71	9.00	9.00	381.70
WTN - 5-S	18-Sep-15	4357	Chrysococcus sp.	517248	33.83	5.00	5.00	65.40
WTN - 5-S	18-Sep-15	4358	Chrysostephanosphaera globulifera Scherffel	7184	2.15	8.30	8.30	299.40
WTN - 5-S	18-Sep-15	4361	Kephyrion boreale Skuja	43104	5.12	6.10	6.10	118.80
WTN - 5-S	18-Sep-15	4362	Kephyrion sp.	201152	4.51	3.50	3.50	22.40
WTN - 5-S	18-Sep-15	4378	Dinobryon borgei Lemmermann	28736	1.39	9.00	3.20	48.30
WTN - 5-S	18-Sep-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTN - 5-S	18-Sep-15	4383	Dinobryon bavaricum Imhof	7184	1.63	12.00	6.00	226.20
WTN - 5-S	18-Sep-15	4383	Dinobryon bavaricum Imhof	200	0.40	0.00	0.00	1990.00
WTN - 5-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	165232	35.51	11.40	6.00	214.90
WTN - 5-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	7200	9.11	0.00	0.00	1265.00
WTN - 5-S	18-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	57472	1.62	5.60	3.10	28.20
WTN - 5-S	18-Sep-15	4401	Uroglena volvox Ehrenberg	201152	22.75	6.00	6.00	113.10
WTN - 5-S	18-Sep-15	4413	Chrysochromulina laurentiana Kling	79024	34.37	9.40	9.40	434.90
WTN - 5-S	18-Sep-15	4414	Stichogloea spp.	21552	1.08	6.00	4.00	50.30
WTN - 5-S	18-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	35920	0.95	5.60	3.00	26.40
WTN - 5-S	18-Sep-15	4437	Pteridomonas sp.	43104	10.25	8.80	8.80	237.90
WTN - 5-S	18-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.46	9.00	18.00	1145.10
WTN - 5-S	18-Sep-15	5509	Cyclotella ocellata Pant.	28736	3.59	4.30	8.60	124.90
WTN - 5-S	18-Sep-15	5511	Rhizosolenia erienae H.L. Smith	208336	16.21	11.00	3.00	77.80
WTN - 5-S	18-Sep-15	5518	Synedra acus Kutzing	9600	0.76	76.00	2.00	79.60
WTN - 5-S	18-Sep-15	5523	Synedra ulna (Nitzsch) Ehrenberg	200	1.35	257.00	10.00	6728.20
WTN - 5-S	18-Sep-15	5551	Cyclotella michiganiana Skvortzow	114944	2.82	2.50	5.00	24.50
WTN - 5-S	18-Sep-15	6554	Rhodomonas minuta Skuja	21552	1.21	9.10	4.20	56.00
WTN - 5-S	18-Sep-15	6558	Cryptomonas erosa Ehrenberg	1800	1.39	22.10	10.00	771.40
WTN - 5-S	18-Sep-15	6568	Katablepharis ovalis Skuja	28736	1.74	9.30	4.00	60.40
WTN - 5-S	18-Sep-15	7632	Gymnodinium sp.	21552	7.40	10.00	8.10	343.50
WTN - 5-S	18-Sep-15	7632	Gymnodinium sp.	800	7.36	26.00	26.00	9202.80
WTN - 5-S	18-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	400	0.49	13.90	13.00	1230.00
WTN - 6-S	18-Sep-15	1054	Planktolyngbya limnetica	1800	0.28	136.00	1.20	153.80
WTN - 6-S	18-Sep-15	2112	Sphaerocystis Schroeteri Chodat	21552	0.28	2.90	2.90	12.80
WTN - 6-S	18-Sep-15	2121	Oocystis lacustris Chodat	14368	0.72	6.00	4.00	50.30
WTN - 6-S	18-Sep-15	2137	Dictyosphaerium simplex Skuja	28736	0.12	2.00	2.00	4.20
WTN - 6-S	18-Sep-15	2145	Crucigenia quadrata Morr.	28736	0.04	2.00	2.00	1.40
WTN - 6-S	18-Sep-15	2167	Elakatothrix gelatinosa Willen	14368	0.25	11.00	2.00	17.30
WTN - 6-S	18-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	21552	0.10	3.00	3.00	4.70
WTN - 6-S	18-Sep-15	2235	Ankistrodesmus spiralis Lemmermann	14368	0.38	30.00	1.50	26.50
WTN - 6-S	18-Sep-15	4351	Small chrysophyceae	452592	8.51	3.30	3.30	18.80
WTN - 6-S	18-Sep-15	4352	Large chrysophyceae	43104	16.45	9.00	9.00	381.70
WTN - 6-S	18-Sep-15	4357	Chrysococcus sp.	553168	36.18	5.00	5.00	65.40
WTN - 6-S	18-Sep-15	4358	Chrysosphaerula globulifera Scherffel	14368	4.62	8.50	8.50	321.60
WTN - 6-S	18-Sep-15	4361	Kephyrion boreale Skuja	100576	11.95	6.10	6.10	118.80
WTN - 6-S	18-Sep-15	4362	Kephyrion sp.	208336	4.67	3.50	3.50	22.40
WTN - 6-S	18-Sep-15	4363	Spiniferomonas sirratus*****	28736	3.41	6.10	6.10	118.80
WTN - 6-S	18-Sep-15	4378	Dinobryon borgei Lemmermann	43104	2.08	9.00	3.20	48.30
WTN - 6-S	18-Sep-15	4381	Dinobryon mucronatum Nygaard	21552	2.82	10.00	5.00	130.90
WTN - 6-S	18-Sep-15	4383	Dinobryon bavaricum Imhof	600	1.19	0.00	0.00	1990.00
WTN - 6-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	193968	41.68	11.40	6.00	214.90
WTN - 6-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	3200	4.05	0.00	0.00	1265.00
WTN - 6-S	18-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	79024	2.23	5.60	3.10	28.20
WTN - 6-S	18-Sep-15	4401	Uroglena volvox Ehrenberg	150864	17.06	6.00	6.00	113.10
WTN - 6-S	18-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	21552	1.08	6.00	4.00	50.30
WTN - 6-S	18-Sep-15	4413	Chrysochromulina laurentiana Kling	57472	24.99	9.40	9.40	434.90
WTN - 6-S	18-Sep-15	4414	Stichogloea spp.	100576	5.06	6.00	4.00	50.30
WTN - 6-S	18-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	21552	0.57	5.60	3.00	26.40
WTN - 6-S	18-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.23	9.00	18.00	1145.10
WTN - 6-S	18-Sep-15	5509	Cyclotella ocellata Pant.	35920	4.49	4.30	8.60	124.90
WTN - 6-S	18-Sep-15	5511	Rhizosolenia erienae H.L. Smith	86208	6.71	11.00	3.00	77.80
WTN - 6-S	18-Sep-15	5514	Tabellaria flocculosa (Roth) Kutzing	200	0.27	26.00	14.00	1334.10
WTN - 6-S	18-Sep-15	5518	Synedra acus Kutzing	12600	0.98	74.00	2.00	77.50
WTN - 6-S	18-Sep-15	5551	Cyclotella michiganiana Skvortzow	93392	2.29	2.50	5.00	24.50
WTN - 6-S	18-Sep-15	6554	Rhodomonas minuta Skuja	35920	2.01	9.10	4.20	56.00
WTN - 6-S	18-Sep-15	6558	Cryptomonas erosa Ehrenberg	800	0.62	22.10	10.00	771.40
WTN - 6-S	18-Sep-15	6568	Katablepharis ovalis Skuja	28736	1.74	9.30	4.00	60.40
WTN - 6-S	18-Sep-15	7631	Gymnodinium helveticum Penard	200	4.71	50.00	30.00	23561.90
WTN - 6-S	18-Sep-15	7632	Gymnodinium sp.	1000	8.78	25.60	25.60	8784.50
WTN - 6-S	18-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	800	0.98	13.90	13.00	1230.00
WTN - 6-S	18-Sep-15	7641	Peridinium aciculiferum Lemmermann	200	1.81	30.00	24.00	9047.80
WTS - 1-S	17-Jul-15	2105	Chlamydomonas spp.	50288	1.19	5.00	3.00	23.60
WTS - 1-S	17-Jul-15	4351	Small chrysophyceae	725584	9.29	2.90	2.90	12.80
WTS - 1-S	17-Jul-15	4352	Large chrysophyceae	14368	2.36	6.80	6.80	164.60
WTS - 1-S	17-Jul-15	4355	Chrysochromulina parva Lackey	21552	1.41	5.00	5.00	65.40
WTS - 1-S	17-Jul-15	4357	Chrysococcus sp.	2248592	114.68	4.60	4.60	51.00
WTS - 1-S	17-Jul-15	4361	Kephyrion boreale Skuja	7184	0.85	6.10	6.10	118.80
WTS - 1-S	17-Jul-15	4362	Kephyrion sp.	330464	4.66	3.00	3.00	14.10
WTS - 1-S	17-Jul-15	4363	Spiniferomonas sirratus*****	21552	1.98	5.60	5.60	92.00
WTS - 1-S	17-Jul-15	4370	Mallomonas akrokomos Asmund and Kristiansen	7184	1.90	14.00	6.00	263.90
WTS - 1-S	17-Jul-15	4378	Dinobryon borgei Lemmermann	21552	1.11	9.00	3.30	51.30
WTS - 1-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	107760	28.44	14.00	6.00	263.90
WTS - 1-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	18800	43.71	0.00	0.00	2325.00
WTS - 1-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	93392	21.13	12.00	6.00	226.20
WTS - 1-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	1200	2.39	0.00	0.00	1991.00
WTS - 1-S	17-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	165232	4.28	5.50	3.00	25.90
WTS - 1-S	17-Jul-15	4401	Uroglena volvox Ehrenberg	64656	7.31	6.00	6.00	113.10
WTS - 1-S	17-Jul-15	4413	Chrysochromulina laurentiana Kling	93392	36.85	9.10	9.10	394.60
WTS - 1-S	17-Jul-15	4414	Stichogloea spp.	14368	0.72	6.00	4.00	50.30
WTS - 1-S	17-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	28736	0.70	5.20	3.00	24.50

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTS - 1-S	17-Jul-15	5509	Cyclotella ocellata Pant.	14368	1.61	4.15	8.30	112.30
WTS - 1-S	17-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	1800	2.36	25.50	14.00	1308.50
WTS - 1-S	17-Jul-15	5518	Synedra acus Kutzing	2400	0.20	80.00	2.00	83.80
WTS - 1-S	17-Jul-15	5551	Cyclotella michiganiana Skvortzow	79024	1.51	2.30	4.60	19.10
WTS - 1-S	17-Jul-15	6554	Rhodomonas minuta Skuja	100576	8.78	10.00	5.00	87.30
WTS - 1-S	17-Jul-15	6558	Cryptomonas erosa Ehrenberg	3800	2.79	21.00	10.00	733.00
WTS - 1-S	17-Jul-15	6565	Cryptomonas rostratiformis Skuja	800	1.53	28.00	14.00	1915.70
WTS - 1-S	17-Jul-15	6568	Katablepharis ovalis Skuja	193968	6.63	7.00	4.00	34.20
WTS - 1-S	17-Jul-15	7632	Gymnodinium sp.	21552	6.93	9.60	8.00	321.70
WTS - 1-S	17-Jul-15	7632	Gymnodinium sp.	800	7.36	26.00	26.00	9202.80
WTS - 1-S	17-Jul-15	7635	Peridinium willei Huitfeldt-Kaas	200	6.21	39.00	39.00	31059.40
WTS - 1-S	17-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	400	0.39	13.00	12.00	980.20
WTS - 1-S	17-Jul-15	7641	Peridinium aciculiferum Lemmermann	1000	9.08	30.10	24.00	9077.90
WTS - 2-S	17-Jul-15	2105	Chlamydomonas spp.	35920	0.85	5.00	3.00	23.60
WTS - 2-S	17-Jul-15	2137	Dictyosphaerium simplex Sukja	28736	0.12	2.00	2.00	4.20
WTS - 2-S	17-Jul-15	2178	Cosmarium sp.	200	0.28	20.00	20.00	1396.30
WTS - 2-S	17-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
WTS - 2-S	17-Jul-15	4351	Small chrysophyceae	466960	5.98	2.90	2.90	12.80
WTS - 2-S	17-Jul-15	4352	Large chrysophyceae	57472	7.52	6.30	6.30	130.90
WTS - 2-S	17-Jul-15	4355	Chrysochromulina parva Lackey	14368	0.94	5.00	5.00	65.40
WTS - 2-S	17-Jul-15	4357	Chrysococcus sp.	1472720	75.11	4.60	4.60	51.00
WTS - 2-S	17-Jul-15	4361	Kephyrion boreale Skuja	7184	0.85	6.10	6.10	118.80
WTS - 2-S	17-Jul-15	4362	Kephyrion sp.	330464	4.66	3.00	3.00	14.10
WTS - 2-S	17-Jul-15	4363	Spinifiromonas sirratus*****	21552	1.98	5.60	5.60	92.00
WTS - 2-S	17-Jul-15	4370	Mallomonas akrokomos Asmund and Kristiansen	7184	1.90	14.00	6.00	263.90
WTS - 2-S	17-Jul-15	4378	Dinobryon borgei Lemmermann	43104	2.21	9.00	3.30	51.30
WTS - 2-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	93392	24.65	14.00	6.00	263.90
WTS - 2-S	17-Jul-15	4388	Dinobryon sertularia Ehrenberg	12600	29.30	0.00	0.00	2325.00
WTS - 2-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	35920	8.13	12.00	6.00	226.20
WTS - 2-S	17-Jul-15	4390	Dinobryon sociale Ehrenberg	1600	3.19	0.00	0.00	1991.00
WTS - 2-S	17-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	143680	3.72	5.50	3.00	25.90
WTS - 2-S	17-Jul-15	4400	Ochromonas sp.	7184	0.58	9.60	4.00	80.40
WTS - 2-S	17-Jul-15	4401	Uroglena volvox Ehrenberg	71840	8.13	6.00	6.00	113.10
WTS - 2-S	17-Jul-15	4413	Chrysochromulina laurentiana Kling	79024	31.18	9.10	9.10	394.60
WTS - 2-S	17-Jul-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
WTS - 2-S	17-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.18	5.20	3.00	24.50
WTS - 2-S	17-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.24	9.10	18.20	1183.70
WTS - 2-S	17-Jul-15	5509	Cyclotella ocellata Pant.	7184	0.81	4.15	8.30	112.30
WTS - 2-S	17-Jul-15	5514	Tabellaria flocculsa (Roth) Kutzing	2600	3.40	25.50	14.00	1308.50
WTS - 2-S	17-Jul-15	5518	Synedra acus Kutzing	1400	0.12	80.00	2.00	83.80
WTS - 2-S	17-Jul-15	5551	Cyclotella michiganiana Skvortzow	43104	0.82	2.30	4.60	19.10
WTS - 2-S	17-Jul-15	6554	Rhodomonas minuta Skuja	64656	5.64	10.00	5.00	87.30
WTS - 2-S	17-Jul-15	6558	Cryptomonas erosa Ehrenberg	3200	2.35	21.00	10.00	733.00
WTS - 2-S	17-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	1400	0.96	19.60	10.00	684.20
WTS - 2-S	17-Jul-15	6565	Cryptomonas rostratiformis Skuja	1000	1.92	28.00	14.00	1915.70
WTS - 2-S	17-Jul-15	6568	Katablepharis ovalis Skuja	43104	1.93	8.00	4.00	44.70
WTS - 2-S	17-Jul-15	7632	Gymnodinium sp.	1200	11.04	26.00	26.00	9202.80
WTS - 2-S	17-Jul-15	7635	Peridinium willei Huitfeldt-Kaas	400	11.49	38.00	38.00	28730.90
WTS - 2-S	17-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	1200	1.18	13.00	12.00	980.20
WTS - 2-S	17-Jul-15	7641	Peridinium aciculiferum Lemmermann	1200	10.93	30.20	24.00	9108.10
WTS - 3-S	21-Aug-15	1014	Chroococcus limneticus Lemmermann	71840	3.37	5.60	4.00	46.90
WTS - 3-S	21-Aug-15	1054	Planktolyngbya limnetica	1000	0.13	116.00	1.20	131.20
WTS - 3-S	21-Aug-15	2100	Pyramidomonas tetrahynchus Schmarda	200	0.10	13.40	12.20	522.10
WTS - 3-S	21-Aug-15	2105	Chlamydomonas spp.	14368	0.18	5.00	2.20	12.70
WTS - 3-S	21-Aug-15	2112	Sphaerocystis Schroeteri Chodat	229888	8.30	4.10	4.10	36.10
WTS - 3-S	21-Aug-15	2121	Oocystis lacustris Chodat	43104	1.06	5.60	2.90	24.70
WTS - 3-S	21-Aug-15	2137	Dictyosphaerium simplex Sukja	28736	0.14	2.10	2.10	4.80
WTS - 3-S	21-Aug-15	2167	Elakatothrix gelatinosa Willen	21552	0.48	14.10	2.00	22.10
WTS - 3-S	21-Aug-15	2182	Euastrum spp.	200	0.37	22.00	22.00	1858.40
WTS - 3-S	21-Aug-15	2187	Staurodesmus extensus (Andersson) Teiling	200	0.09	14.00	12.90	441.30
WTS - 3-S	21-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	14368	0.07	3.00	3.00	4.70
WTS - 3-S	21-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	14368	0.27	21.00	1.50	18.60
WTS - 3-S	21-Aug-15	4351	Small chrysophyceae	488512	9.18	3.30	3.30	18.80
WTS - 3-S	21-Aug-15	4352	Large chrysophyceae	21552	3.87	7.00	7.00	179.60
WTS - 3-S	21-Aug-15	4357	Chrysococcus sp.	596272	36.73	4.90	4.90	61.60
WTS - 3-S	21-Aug-15	4358	Chrysostephanospaera globulifera Scherffel	7184	2.15	8.30	8.30	299.40
WTS - 3-S	21-Aug-15	4361	Kephyrion boreale Skuja	14368	1.71	6.10	6.10	118.80
WTS - 3-S	21-Aug-15	4362	Kephyrion sp.	122128	2.30	3.30	3.30	18.80
WTS - 3-S	21-Aug-15	4378	Dinobryon borgei Lemmermann	43104	2.24	9.10	3.30	51.90
WTS - 3-S	21-Aug-15	4381	Dinobryon mucronutum Nygaard	50288	6.58	10.00	5.00	130.90
WTS - 3-S	21-Aug-15	4383	Dinobryon bavaricum Imhof	200	0.15	0.00	0.00	765.00
WTS - 3-S	21-Aug-15	4388	Dinobryon sertularia Ehrenberg	50288	12.42	13.10	6.00	246.90
WTS - 3-S	21-Aug-15	4390	Dinobryon sociale Ehrenberg	35920	8.13	12.00	6.00	226.20
WTS - 3-S	21-Aug-15	4390	Dinobryon sociale Ehrenberg	200	0.25	0.00	0.00	1225.00
WTS - 3-S	21-Aug-15	4394	Epiphyxis sp.	21552	1.81	9.10	4.20	84.10
WTS - 3-S	21-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	21552	0.69	6.00	3.20	32.20
WTS - 3-S	21-Aug-15	4401	Uroglena volvox Ehrenberg	86208	9.75	6.00	6.00	113.10
WTS - 3-S	21-Aug-15	4413	Chrysochromulina laurentiana Kling	50288	19.19	9.00	9.00	381.70
WTS - 3-S	21-Aug-15	4414	Stichogloea spp.	64656	3.25	6.00	4.00	50.30
WTS - 3-S	21-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	21552	0.61	5.30	3.20	28.40

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTS - 3-S	21-Aug-15	4436	Dinobryon attenatum Hill	7184	1.41	10.40	6.00	196.00
WTS - 3-S	21-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.64	10.05	20.10	1594.50
WTS - 3-S	21-Aug-15	5509	Cyclotella ocellata Pant.	7184	1.59	5.20	10.40	220.90
WTS - 3-S	21-Aug-15	5511	Rhizosolenia erienne H.L. Smith	28736	2.24	11.00	3.00	77.80
WTS - 3-S	21-Aug-15	5514	Tabellaria flocculsa (Roth) Kutzing	800	1.07	26.00	14.00	1334.10
WTS - 3-S	21-Aug-15	5518	Synedra acus Kutzing	3400	0.27	75.00	2.00	78.50
WTS - 3-S	21-Aug-15	5551	Cyclotella michiganiana Skvortzow	136496	2.61	2.30	4.60	19.10
WTS - 3-S	21-Aug-15	6554	Rhodomonas minuta Skuja	21552	1.19	9.00	4.20	55.40
WTS - 3-S	21-Aug-15	6568	Katablepharis ovalis Skuja	28736	1.66	9.10	4.00	57.80
WTS - 3-S	21-Aug-15	7632	Gymnodinium sp.	1800	22.05	28.60	28.60	12248.90
WTS - 3-S	21-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	1800	2.33	14.60	13.00	1291.90
WTS - 4-S	21-Aug-15	1014	Chroococcus limneticus Lemmermann	57472	2.70	5.60	4.00	46.90
WTS - 4-S	21-Aug-15	2100	Pyramidomonas tetrarhynchus Schmarda	600	0.40	15.20	13.00	672.50
WTS - 4-S	21-Aug-15	2112	Sphaerocystis Schroeteri Chodat	143680	2.24	3.10	3.10	15.60
WTS - 4-S	21-Aug-15	2121	Oocystis lacustris Chodat	35920	1.81	6.00	4.00	50.30
WTS - 4-S	21-Aug-15	2137	Dictyosphaerium simplex Sukja	79024	0.33	2.00	2.00	4.20
WTS - 4-S	21-Aug-15	2167	Elakatothrix gelatinosa Willen	43104	0.88	13.00	2.00	20.40
WTS - 4-S	21-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	14368	0.07	3.00	3.00	4.70
WTS - 4-S	21-Aug-15	2260	Monomastix minuta Skuja	7184	0.16	6.40	3.20	22.90
WTS - 4-S	21-Aug-15	4351	Small chrysophyceae	280176	4.82	3.20	3.20	17.20
WTS - 4-S	21-Aug-15	4352	Large chrysophyceae	64656	11.61	7.00	7.00	179.60
WTS - 4-S	21-Aug-15	4357	Chrysococcus sp.	409488	26.78	5.00	5.00	65.40
WTS - 4-S	21-Aug-15	4361	Kephyrion boreale Skuja	14368	1.54	5.90	5.90	107.50
WTS - 4-S	21-Aug-15	4362	Kephyrion sp.	93392	1.61	3.20	3.20	17.20
WTS - 4-S	21-Aug-15	4378	Dinobryon borgei Lemmermann	28736	1.30	9.00	3.10	45.30
WTS - 4-S	21-Aug-15	4381	Dinobryon mucronutum Nygaard	7184	0.94	10.00	5.00	130.90
WTS - 4-S	21-Aug-15	4383	Dinobryon bavaricum Imhof	35920	8.13	12.00	6.00	226.20
WTS - 4-S	21-Aug-15	4383	Dinobryon bavaricum Imhof	400	0.80	0.00	0.00	1990.00
WTS - 4-S	21-Aug-15	4390	Dinobryon sociale Ehrenberg	93392	21.13	12.00	6.00	226.20
WTS - 4-S	21-Aug-15	4390	Dinobryon sociale Ehrenberg	400	0.51	0.00	0.00	1265.00
WTS - 4-S	21-Aug-15	4394	Epiphyxis sp.	21552	1.64	9.10	4.00	76.20
WTS - 4-S	21-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	14368	0.43	5.60	3.20	30.00
WTS - 4-S	21-Aug-15	4401	Uroglena volvox Ehrenberg	79024	8.94	6.00	6.00	113.10
WTS - 4-S	21-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	21552	1.08	6.00	4.00	50.30
WTS - 4-S	21-Aug-15	4413	Chrysochromulina laurentiana Kling	21552	8.23	9.00	9.00	381.70
WTS - 4-S	21-Aug-15	4414	Stichogloea spp.	79024	3.97	6.00	4.00	50.30
WTS - 4-S	21-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	14368	0.43	5.60	3.20	30.00
WTS - 4-S	21-Aug-15	4436	Dinobryon attenatum Hill	7184	1.41	10.40	6.00	196.00
WTS - 4-S	21-Aug-15	4437	Pteridomonas sp.	28736	6.84	8.80	8.80	237.90
WTS - 4-S	21-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.53	9.45	18.90	1325.60
WTS - 4-S	21-Aug-15	5509	Cyclotella ocellata Pant.	7184	0.81	4.15	8.30	112.30
WTS - 4-S	21-Aug-15	5511	Rhizosolenia erienne H.L. Smith	7184	0.56	11.00	3.00	77.80
WTS - 4-S	21-Aug-15	5518	Synedra acus Kutzing	3600	0.29	76.00	2.00	79.60
WTS - 4-S	21-Aug-15	5551	Cyclotella michiganiana Skvortzow	114944	2.82	2.50	5.00	24.50
WTS - 4-S	21-Aug-15	6554	Rhodomonas minuta Skuja	14368	0.80	9.10	4.20	56.00
WTS - 4-S	21-Aug-15	6568	Katablepharis ovalis Skuja	21552	1.25	9.00	4.10	58.00
WTS - 4-S	21-Aug-15	7632	Gymnodinium sp.	7184	3.25	10.00	9.30	452.90
WTS - 4-S	21-Aug-15	7632	Gymnodinium sp.	200	1.82	25.90	25.90	9097.00
WTS - 4-S	21-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	800	1.18	14.60	13.90	1477.00
WTS - 5-S	18-Sep-15	1014	Chroococcus limneticus Lemmermann	28736	0.70	3.60	3.60	24.40
WTS - 5-S	18-Sep-15	1054	Planktolyngbya limnetica	1200	0.19	140.00	1.20	158.30
WTS - 5-S	18-Sep-15	2112	Sphaerocystis Schroeteri Chodat	57472	0.90	3.10	3.10	15.60
WTS - 5-S	18-Sep-15	2137	Dictyosphaerium simplex Sukja	14368	0.06	2.00	2.00	4.20
WTS - 5-S	18-Sep-15	2167	Elakatothrix gelatinosa Willen	28736	0.51	11.40	2.00	17.90
WTS - 5-S	18-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	21552	0.10	3.00	3.00	4.70
WTS - 5-S	18-Sep-15	4351	Small chrysophyceae	387936	6.05	3.10	3.10	15.60
WTS - 5-S	18-Sep-15	4352	Large chrysophyceae	28736	5.16	7.00	7.00	179.60
WTS - 5-S	18-Sep-15	4357	Chrysococcus sp.	732768	47.92	5.00	5.00	65.40
WTS - 5-S	18-Sep-15	4361	Kephyrion boreale Skuja	143680	2.70	3.30	3.30	18.80
WTS - 5-S	18-Sep-15	4361	Kephyrion boreale Skuja	79024	9.39	6.10	6.10	118.80
WTS - 5-S	18-Sep-15	4363	Spinifiromonas sirratus*****	7184	0.94	6.30	6.30	130.90
WTS - 5-S	18-Sep-15	4378	Dinobryon borgei Lemmermann	14368	0.65	9.00	3.10	45.30
WTS - 5-S	18-Sep-15	4381	Dinobryon mucronutum Nygaard	14368	1.88	10.00	5.00	130.90
WTS - 5-S	18-Sep-15	4388	Dinobryon sertularia Ehrenberg	5600	7.08	0.00	0.00	1265.00
WTS - 5-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	158048	35.75	12.00	6.00	226.20
WTS - 5-S	18-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	86208	2.59	5.60	3.20	30.00
WTS - 5-S	18-Sep-15	4401	Uroglena volvox Ehrenberg	50288	5.69	6.00	6.00	113.10
WTS - 5-S	18-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	7184	0.36	6.00	4.00	50.30
WTS - 5-S	18-Sep-15	4413	Chrysochromulina laurentiana Kling	71840	28.35	9.10	9.10	394.60
WTS - 5-S	18-Sep-15	4414	Stichogloea spp.	14368	0.72	6.00	4.00	50.30
WTS - 5-S	18-Sep-15	4415	Bicoeca lacustris Clark	14368	1.32	5.60	5.60	92.00
WTS - 5-S	18-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	35920	1.14	5.90	3.20	31.60
WTS - 5-S	18-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.59	9.80	19.60	1478.40
WTS - 5-S	18-Sep-15	5509	Cyclotella ocellata Pant.	14368	1.61	4.15	8.30	112.30
WTS - 5-S	18-Sep-15	5511	Rhizosolenia erienne H.L. Smith	172416	13.41	11.00	3.00	77.80
WTS - 5-S	18-Sep-15	5514	Tabellaria flocculsa (Roth) Kutzing	1000	1.21	23.60	14.00	1211.00
WTS - 5-S	18-Sep-15	5518	Synedra acus Kutzing	10200	0.76	71.00	2.00	74.40
WTS - 5-S	18-Sep-15	5551	Cyclotella michiganiana Skvortzow	100576	2.46	2.50	5.00	24.50
WTS - 5-S	18-Sep-15	6554	Rhodomonas minuta Skuja	35920	1.90	9.00	4.10	52.80
WTS - 5-S	18-Sep-15	6558	Cryptomonas erosa Ehrenberg	800	0.56	20.00	10.00	698.10

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
WTS - 5-S	18-Sep-15	6568	Katablepharis ovalis Skuja	35920	2.08	9.00	4.10	58.00
WTS - 5-S	18-Sep-15	7632	Gymnodinium sp.	14368	4.81	10.00	8.00	335.10
WTS - 5-S	18-Sep-15	7632	Gymnodinium sp.	400	3.68	26.00	26.00	9202.80
WTS - 5-S	18-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	1000	1.57	15.30	14.00	1570.20
WTS - 6-S	18-Sep-15	1054	Planktolyngbya limnetica	600	0.08	115.00	1.20	130.10
WTS - 6-S	18-Sep-15	2100	Pyramidomonas tetrarhynchus Schmarda	7184	6.89	14.30	16.00	958.40
WTS - 6-S	18-Sep-15	2112	Sphaerocystis schroeteri Chodat	7184	0.11	3.10	3.10	15.60
WTS - 6-S	18-Sep-15	2121	Oocystis lacustris Chodat	43104	1.22	6.00	3.00	28.30
WTS - 6-S	18-Sep-15	2167	Elakatothrix gelatinosa Willen	43104	0.77	11.40	2.00	17.90
WTS - 6-S	18-Sep-15	2167	Elakatothrix gelatinosa Willen	7184	0.43	9.00	4.10	59.40
WTS - 6-S	18-Sep-15	2182	Euastrum spp.	600	1.12	22.00	22.00	1858.40
WTS - 6-S	18-Sep-15	2199	Spondylosium planum (Wolle) W. and G.S. West	14368	0.54	6.00	6.00	37.70
WTS - 6-S	18-Sep-15	2206	Botryococcus braunii Kutzing	600	0.31	10.00	10.00	523.60
WTS - 6-S	18-Sep-15	2215	Tetraedron caudatum (Corda) Hansgrig	28736	0.14	3.00	3.00	4.70
WTS - 6-S	18-Sep-15	2235	Ankistrodesmus spiralis Lemmermann	21552	2.06	36.00	2.60	95.60
WTS - 6-S	18-Sep-15	4351	Small chrysophyceae	646560	10.09	3.10	3.10	15.60
WTS - 6-S	18-Sep-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
WTS - 6-S	18-Sep-15	4357	Chrysococcus sp.	1084784	70.94	5.00	5.00	65.40
WTS - 6-S	18-Sep-15	4358	Chrysostephanospaera globulifera Scherffel	7184	2.39	8.60	8.60	333.00
WTS - 6-S	18-Sep-15	4361	Kephyrion boreale Skuja	50288	5.97	6.10	6.10	118.80
WTS - 6-S	18-Sep-15	4362	Kephyrion sp.	158048	2.97	3.30	3.30	18.80
WTS - 6-S	18-Sep-15	4378	Dinobryon borgei Lemmermann	50288	2.28	9.00	3.10	45.30
WTS - 6-S	18-Sep-15	4381	Dinobryon mucronutom Nygaard	35920	4.70	10.00	5.00	130.90
WTS - 6-S	18-Sep-15	4383	Dinobryon bavaricum Imhof	200	0.40	0.00	0.00	1990.00
WTS - 6-S	18-Sep-15	4388	Dinobryon sertularia Ehrenberg	14368	3.25	12.00	6.00	226.20
WTS - 6-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	294544	66.63	12.00	6.00	226.20
WTS - 6-S	18-Sep-15	4390	Dinobryon sociale Ehrenberg	7400	9.36	0.00	0.00	1265.00
WTS - 6-S	18-Sep-15	4396	Chrysolkos skuja (Nauwerck) Willen	50288	1.51	5.60	3.20	30.00
WTS - 6-S	18-Sep-15	4401	Uroglena volvox Ehrenberg	64656	7.31	6.00	6.00	113.10
WTS - 6-S	18-Sep-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.72	6.00	4.00	50.30
WTS - 6-S	18-Sep-15	4413	Chrysochromulina laurentiana Kling	122128	48.19	9.10	9.10	394.60
WTS - 6-S	18-Sep-15	4414	Stichogloea spp.	50288	2.53	6.00	4.00	50.30
WTS - 6-S	18-Sep-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	43104	1.36	5.90	3.20	31.60
WTS - 6-S	18-Sep-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.31	10.00	20.00	1570.80
WTS - 6-S	18-Sep-15	5509	Cyclotella ocellata Pant.	43104	0.94	2.40	4.80	21.70
WTS - 6-S	18-Sep-15	5511	Rhizosolenia erienne H.L. Smith	158048	12.30	11.00	3.00	77.80
WTS - 6-S	18-Sep-15	5518	Synedra acus Kutzing	14400	1.15	76.00	2.00	79.60
WTS - 6-S	18-Sep-15	5551	Cyclotella michiganiana Skvortzow	107760	2.64	2.50	5.00	24.50
WTS - 6-S	18-Sep-15	6554	Rhodomonas minuta Skuja	79024	4.17	9.00	4.10	52.80
WTS - 6-S	18-Sep-15	6558	Cryptomonas erosa Ehrenberg	1200	0.88	21.00	10.00	733.00
WTS - 6-S	18-Sep-15	6568	Katablepharis ovalis Skuja	64656	3.75	9.00	4.10	58.00
WTS - 6-S	18-Sep-15	7632	Gymnodinium sp.	7184	2.41	10.00	8.00	335.10
WTS - 6-S	18-Sep-15	7632	Gymnodinium sp.	200	1.76	25.60	25.60	8784.50
WTS - 6-S	18-Sep-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.31	14.90	14.00	1529.10
INUG68S	16-May-15	2105	Chlamydomonas spp.	3546.1	0.11	5.60	3.20	30.00
INUG68S	16-May-15	2187	Staurodesmus extensus (Andersson) Teiling	100	0.05	14.50	13.00	477.00
INUG68S	16-May-15	2206	Botryococcus braunii Kutzing	100	0.14	14.00	14.00	1436.80
INUG68S	16-May-15	4351	Small chrysophyceae	517730.6	7.30	3.00	3.00	14.10
INUG68S	16-May-15	4352	Large chrysophyceae	14184.4	2.55	7.00	7.00	179.60
INUG68S	16-May-15	4355	Chrysochromulina parva Lackey	21276.6	1.23	4.80	4.80	57.90
INUG68S	16-May-15	4357	Chrysococcus sp.	319149	22.18	5.10	5.10	69.50
INUG68S	16-May-15	4362	Kephyrion sp.	17730.5	0.25	3.00	3.00	14.10
INUG68S	16-May-15	4363	Spinifiromonas sirratus*****	3546.1	0.42	6.10	6.10	118.80
INUG68S	16-May-15	4368	Mallomonas crassisquama (Asmund) Fott	100	0.11	21.00	10.00	1099.60
INUG68S	16-May-15	4388	Dinobryon sertularia Ehrenberg	600	1.28	0.00	0.00	2125.00
INUG68S	16-May-15	4390	Dinobryon sociale Ehrenberg	1200	0.27	12.00	6.00	226.20
INUG68S	16-May-15	4396	Chrysolkos skuja (Nauwerck) Willen	60283.7	1.68	5.90	3.00	27.80
INUG68S	16-May-15	4413	Chrysochromulina laurentiana Kling	10638.3	4.34	9.20	9.20	407.70
INUG68S	16-May-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	3546.1	0.09	5.60	3.00	26.40
INUG68S	16-May-15	5507	Cyclotella stelligera Cleve and Grunow	100	0.11	9.00	18.00	1145.10
INUG68S	16-May-15	5509	Cyclotella ocellata Pant.	35461	6.96	5.00	10.00	196.30
INUG68S	16-May-15	5551	Cyclotella michiganiana Skvortzow	3546.1	0.08	2.45	4.90	23.10
INUG68S	16-May-15	6554	Rhodomonas minuta Skuja	63829.8	7.69	11.00	5.60	120.40
INUG68S	16-May-15	6558	Cryptomonas erosa Ehrenberg	1400	1.57	22.30	12.00	1120.90
INUG68S	16-May-15	7631	Gymnodinium helveticum Penard	100	2.36	50.00	30.00	23561.90
INUG68S	16-May-15	7632	Gymnodinium sp.	300	2.34	24.60	24.60	7794.80
INUG68S	16-May-15	7635	Peridinium willei Huitfeldt-Kaas	100	3.35	40.00	40.00	33510.30
INUG68S	16-May-15	7639	Peridinium pusillum (Penard) Lemmermann	100	0.10	13.20	12.00	995.30
INUG68S	16-May-15	7641	Peridinium aciculiferum Lemmermann	100	0.90	30.00	24.00	9047.80
INUG69S	16-May-15	2105	Chlamydomonas spp.	3546.1	0.12	6.00	3.30	34.20
INUG69S	16-May-15	2187	Staurodesmus extensus (Andersson) Teiling	100	0.05	14.50	13.00	477.00
INUG69S	16-May-15	2206	Botryococcus braunii Kutzing	300	0.43	14.00	14.00	1436.80
INUG69S	16-May-15	4351	Small chrysophyceae	283688	4.00	3.00	3.00	14.10
INUG69S	16-May-15	4352	Large chrysophyceae	14184.4	2.55	7.00	7.00	179.60
INUG69S	16-May-15	4357	Chrysococcus sp.	198581.6	13.80	5.10	5.10	69.50
INUG69S	16-May-15	4363	Spinifiromonas sirratus*****	3546.1	0.46	6.30	6.30	130.90
INUG69S	16-May-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.44	21.00	10.00	1099.60
INUG69S	16-May-15	4390	Dinobryon sociale Ehrenberg	400	0.09	12.00	6.00	226.20
INUG69S	16-May-15	4396	Chrysolkos skuja (Nauwerck) Willen	14184.4	0.46	5.70	3.30	32.50

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
INUG69S	16-May-15	4413	Chrysochromulina laurentiana Kling	3546.1	1.45	9.20	9.20	407.70
INUG69S	16-May-15	5507	Cyclotella stelligera Cleve and Grunow	100	0.11	9.00	18.00	1145.10
INUG69S	16-May-15	5509	Cyclotella ocellata Pant.	24822.7	4.87	5.00	10.00	196.30
INUG69S	16-May-15	5551	Cyclotella michiganiana Skvortzow	3546.1	0.07	2.35	4.70	20.40
INUG69S	16-May-15	6554	Rhodomonas minuta Skuja	74468.1	8.97	11.00	5.60	120.40
INUG69S	16-May-15	6558	Cryptomonas erosa Ehrenberg	1000	1.18	23.50	12.00	1181.20
INUG69S	16-May-15	7632	Gymnodinium sp.	200	1.56	24.60	24.60	7794.80
INUG70S	27-Jul-15	2105	Chlamydomonas spp.	28736	0.36	5.00	2.20	12.70
INUG70S	27-Jul-15	2112	Sphaerocystis Schroeteri Chodat	136496	1.75	2.90	2.90	12.80
INUG70S	27-Jul-15	2121	Oocystis lacustris Chodat	7184	0.16	4.60	3.00	21.70
INUG70S	27-Jul-15	2187	Staurodesmus extensus (Andersson) Teiling	200	0.11	15.30	14.00	572.00
INUG70S	27-Jul-15	4351	Small chrysophyceae	409488	7.04	3.20	3.20	17.20
INUG70S	27-Jul-15	4352	Large chrysophyceae	14368	2.58	7.00	7.00	179.60
INUG70S	27-Jul-15	4357	Chrysococcus sp.	818976	53.56	5.00	5.00	65.40
INUG70S	27-Jul-15	4362	Kephyrion sp.	150864	2.84	3.30	3.30	18.80
INUG70S	27-Jul-15	4368	Mallomonas crassisquama (Asmund) Fott	400	0.44	21.10	10.00	1104.80
INUG70S	27-Jul-15	4370	Mallomonas akrokomos Asmund and Kristiansen	7184	1.19	15.00	4.60	166.20
INUG70S	27-Jul-15	4378	Dinobryon borgei Lemmermann	28736	2.28	9.00	4.10	79.20
INUG70S	27-Jul-15	4381	Dinobryon mucronutum Nygaard	21552	2.71	9.60	5.00	125.70
INUG70S	27-Jul-15	4384	Dinobryon bavaricum v. vanhoeffenii (Bachmann) Krieger	1600	7.52	0.00	0.00	4700.00
INUG70S	27-Jul-15	4388	Dinobryon sertularia Ehrenberg	114944	28.60	13.20	6.00	248.80
INUG70S	27-Jul-15	4388	Dinobryon sertularia Ehrenberg	11000	55.94	0.00	0.00	5085.00
INUG70S	27-Jul-15	4390	Dinobryon sociale Ehrenberg	323280	73.13	12.00	6.00	226.20
INUG70S	27-Jul-15	4390	Dinobryon sociale Ehrenberg	29800	101.02	0.00	0.00	3390.00
INUG70S	27-Jul-15	4396	Chrysalkos skuja (Nauwerck) Willen	50288	1.42	5.60	3.10	28.20
INUG70S	27-Jul-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.72	6.00	4.00	50.30
INUG70S	27-Jul-15	4413	Chrysochromulina laurentiana Kling	57472	27.47	9.70	9.70	477.90
INUG70S	27-Jul-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
INUG70S	27-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.31	10.00	20.00	1570.80
INUG70S	27-Jul-15	5509	Cyclotella ocellata Pant.	50288	5.45	4.10	8.20	108.30
INUG70S	27-Jul-15	5511	Rhizosolenia eriensis H.L. Smith	43104	2.74	9.00	3.00	63.60
INUG70S	27-Jul-15	5518	Synedra acus Kutzing	2000	0.20	93.60	2.00	98.00
INUG70S	27-Jul-15	5551	Cyclotella michiganiana Skvortzow	201152	4.37	2.40	4.80	21.70
INUG70S	27-Jul-15	6554	Rhodomonas minuta Skuja	86208	8.28	11.00	5.00	96.00
INUG70S	27-Jul-15	6558	Cryptomonas erosa Ehrenberg	3000	4.00	22.60	13.00	1333.20
INUG70S	27-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	600	0.41	19.40	10.00	677.20
INUG70S	27-Jul-15	6568	Katablepharis ovalis Skuja	50288	2.30	8.00	4.10	45.80
INUG70S	27-Jul-15	7632	Gymnodinium sp.	600	6.90	28.00	28.00	11494.00
INUG70S	27-Jul-15	7635	Peridinium willeyi Huitfeldt-Kaas	200	6.70	40.00	40.00	33510.30
INUG71S	27-Jul-15	2105	Chlamydomonas spp.	21552	0.27	5.00	2.20	12.70
INUG71S	27-Jul-15	2112	Sphaerocystis Schroeteri Chodat	86208	1.10	2.90	2.90	12.80
INUG71S	27-Jul-15	2167	Elakatothrix gelatinosa Willen	14368	0.25	11.00	2.00	17.30
INUG71S	27-Jul-15	2187	Staurodesmus extensus (Andersson) Teiling	400	0.23	15.30	14.00	572.00
INUG71S	27-Jul-15	2199	Spondylosium planum (Wolle) W. and G.S. West	7184	0.27	6.00	6.00	37.70
INUG71S	27-Jul-15	4351	Small chrysophyceae	438224	7.54	3.20	3.20	17.20
INUG71S	27-Jul-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
INUG71S	27-Jul-15	4357	Chrysococcus sp.	711216	46.51	5.00	5.00	65.40
INUG71S	27-Jul-15	4358	Chrysosphaerula globulifera Scherffel	7184	2.15	8.30	8.30	299.40
INUG71S	27-Jul-15	4362	Kephyrion sp.	114944	2.16	3.30	3.30	18.80
INUG71S	27-Jul-15	4363	Spiniferomonas sirratus*****	14368	2.16	6.60	6.60	150.50
INUG71S	27-Jul-15	4378	Dinobryon borgei Lemmermann	28736	2.28	9.00	4.10	79.20
INUG71S	27-Jul-15	4381	Dinobryon mucronutum Nygaard	57472	7.52	10.00	5.00	130.90
INUG71S	27-Jul-15	4384	Dinobryon bavaricum v. vanhoeffenii (Bachmann) Krieger	1800	8.46	0.00	0.00	4700.00
INUG71S	27-Jul-15	4388	Dinobryon sertularia Ehrenberg	201152	49.28	13.00	6.00	245.00
INUG71S	27-Jul-15	4388	Dinobryon sertularia Ehrenberg	9000	45.77	0.00	0.00	5085.00
INUG71S	27-Jul-15	4390	Dinobryon sociale Ehrenberg	359200	81.25	12.00	6.00	226.20
INUG71S	27-Jul-15	4390	Dinobryon sociale Ehrenberg	31800	107.80	0.00	0.00	3390.00
INUG71S	27-Jul-15	4396	Chrysalkos skuja (Nauwerck) Willen	50288	1.42	5.60	3.10	28.20
INUG71S	27-Jul-15	4400	Ochromonas sp.	7184	0.49	8.10	4.00	67.90
INUG71S	27-Jul-15	4413	Chrysochromulina laurentiana Kling	57472	23.43	9.20	9.20	407.70
INUG71S	27-Jul-15	4414	Stichogloea spp.	57472	2.89	6.00	4.00	50.30
INUG71S	27-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	600	0.94	10.00	20.00	1570.80
INUG71S	27-Jul-15	5509	Cyclotella ocellata Pant.	14368	1.56	4.10	8.20	108.30
INUG71S	27-Jul-15	5511	Rhizosolenia eriensis H.L. Smith	35920	2.28	9.00	3.00	63.60
INUG71S	27-Jul-15	5518	Synedra acus Kutzing	1600	0.16	94.00	2.00	98.40
INUG71S	27-Jul-15	5551	Cyclotella michiganiana Skvortzow	64656	1.40	2.40	4.80	21.70
INUG71S	27-Jul-15	6554	Rhodomonas minuta Skuja	7184	0.69	11.00	5.00	96.00
INUG71S	27-Jul-15	6558	Cryptomonas erosa Ehrenberg	6200	8.41	23.00	13.00	1356.80
INUG71S	27-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	1000	0.68	19.60	10.00	684.20
INUG71S	27-Jul-15	6565	Cryptomonas rostratiformis Skuja	200	0.41	30.00	14.00	2052.50
INUG71S	27-Jul-15	6568	Katablepharis ovalis Skuja	43104	1.97	8.00	4.10	45.80
INUG71S	27-Jul-15	7632	Gymnodinium sp.	7184	2.24	9.30	8.00	311.60
INUG71S	27-Jul-15	7632	Gymnodinium sp.	1000	11.49	28.00	28.00	11494.00
INUG71S	27-Jul-15	7635	Peridinium willeyi Huitfeldt-Kaas	200	6.70	40.00	40.00	33510.30
INUG71S	27-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	400	0.40	13.30	12.00	1002.80
INUG72S	27-Aug-15	1054	Planktolyngbya limnetica	400	0.10	229.00	1.20	259.00
INUG72S	27-Aug-15	2100	Pyramidomonas tetrahyndus Schmarda	400	0.31	15.00	14.00	769.70
INUG72S	27-Aug-15	2105	Chlamydomonas spp.	14368	0.25	5.00	2.60	17.70
INUG72S	27-Aug-15	2112	Sphaerocystis Schroeteri Chodat	57472	0.90	3.10	3.10	15.60
INUG72S	27-Aug-15	2121	Oocystis lacustris Chodat	43104	1.02	5.00	3.00	23.60

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
INUG72S	27-Aug-15	2137	Dictyosphaerium simplex Sukja	28736	0.14	2.10	2.10	4.80
INUG72S	27-Aug-15	2167	Elakatothrix gelatinosa Willen	28736	0.41	9.00	2.00	14.10
INUG72S	27-Aug-15	2187	Staurodesmus extensus (Andersson) Teiling	1800	1.07	15.60	14.00	594.60
INUG72S	27-Aug-15	2199	Spondylosium planum (Wolle) W. and G.S. West	21552	0.81	6.00	6.00	37.70
INUG72S	27-Aug-15	2206	Botryococcus braunii Kutzing	600	0.86	14.00	14.00	1436.80
INUG72S	27-Aug-15	4351	Small chrysophyceae	359200	3.70	2.70	2.70	10.30
INUG72S	27-Aug-15	4352	Large chrysophyceae	14368	2.58	7.00	7.00	179.60
INUG72S	27-Aug-15	4357	Chrysococcus sp.	323280	21.14	5.00	5.00	65.40
INUG72S	27-Aug-15	4361	Kephyrion boreale Skuja	7184	0.85	6.10	6.10	118.80
INUG72S	27-Aug-15	4362	Kephyrion sp.	129312	1.66	2.90	2.90	12.80
INUG72S	27-Aug-15	4368	Mallomonas crassisquama (Asmund) Fott	200	0.21	20.50	10.00	1073.40
INUG72S	27-Aug-15	4378	Dinobryon borgei Lemmermann	7184	0.31	8.60	3.10	43.30
INUG72S	27-Aug-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90
INUG72S	27-Aug-15	4383	Dinobryon bavaricum Imhof	79024	17.88	12.00	6.00	226.20
INUG72S	27-Aug-15	4383	Dinobryon bavaricum Imhof	3600	12.20	0.00	0.00	3390.00
INUG72S	27-Aug-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	7184	2.88	15.60	7.00	400.20
INUG72S	27-Aug-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	400	1.09	0.00	0.00	2725.00
INUG72S	27-Aug-15	4388	Dinobryon sertularia Ehrenberg	21552	4.88	12.00	6.00	226.20
INUG72S	27-Aug-15	4390	Dinobryon sociale Ehrenberg	258624	58.50	12.00	6.00	226.20
INUG72S	27-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.72	6.00	4.00	50.30
INUG72S	27-Aug-15	4413	Chrysochromulina laurentiana Kling	50288	19.19	9.00	9.00	381.70
INUG72S	27-Aug-15	4414	Stichogloea spp.	114944	5.78	6.00	4.00	50.30
INUG72S	27-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.21	5.70	3.10	28.70
INUG72S	27-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	1200	1.42	9.10	18.20	1183.70
INUG72S	27-Aug-15	5509	Cyclotella ocellata Pant.	64656	6.50	4.00	8.00	100.50
INUG72S	27-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	28736	2.24	11.00	3.00	77.80
INUG72S	27-Aug-15	5514	Tabellaria flocculsa (Roth) Kutzing	400	0.47	23.00	14.00	1180.20
INUG72S	27-Aug-15	5518	Synedra acus Kutzing	400	0.04	90.00	2.00	94.20
INUG72S	27-Aug-15	5551	Cyclotella michiganiana Skvortzow	114944	2.66	2.45	4.90	23.10
INUG72S	27-Aug-15	6554	Rhodomonas minuta Skuja	14368	0.72	9.00	4.00	50.30
INUG72S	27-Aug-15	6558	Cryptomonas erosa Ehrenberg	400	0.30	21.20	10.00	740.00
INUG72S	27-Aug-15	7632	Gymnodinium sp.	7184	2.29	9.50	8.00	318.30
INUG73S	27-Aug-15	1008	Aphanocapsa sp.	7184	0.47	0.00	0.00	65.00
INUG73S	27-Aug-15	1054	Planktolynghya limnetica	400	0.12	261.00	1.20	295.20
INUG73S	27-Aug-15	2100	Pyramidomonas tetrahyndus Schmarda	600	0.46	15.00	14.00	769.70
INUG73S	27-Aug-15	2105	Chlamydomonas spp.	14368	0.25	5.00	2.60	17.70
INUG73S	27-Aug-15	2112	Sphaerocystis schroeteri Chodat	28736	0.45	3.10	3.10	15.60
INUG73S	27-Aug-15	2121	Oocystis lacustris Chodat	93392	2.20	5.00	3.00	23.60
INUG73S	27-Aug-15	2137	Dictyosphaerium simplex Sukja	21552	0.09	2.00	2.00	4.20
INUG73S	27-Aug-15	2167	Elakatothrix gelatinosa Willen	35920	0.51	9.00	2.00	14.10
INUG73S	27-Aug-15	2187	Staurodesmus extensus (Andersson) Teiling	2200	1.31	15.60	14.00	594.60
INUG73S	27-Aug-15	2199	Spondylosium planum (Wolle) W. and G.S. West	14368	0.54	6.00	6.00	37.70
INUG73S	27-Aug-15	2206	Botryococcus braunii Kutzing	400	0.57	14.00	14.00	1436.80
INUG73S	27-Aug-15	4351	Small chrysophyceae	330464	3.40	2.70	2.70	10.30
INUG73S	27-Aug-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
INUG73S	27-Aug-15	4357	Chrysococcus sp.	380752	24.90	5.00	5.00	65.40
INUG73S	27-Aug-15	4361	Kephyrion boreale Skuja	21552	3.24	6.60	6.60	150.50
INUG73S	27-Aug-15	4362	Kephyrion sp.	208336	2.67	2.90	2.90	12.80
INUG73S	27-Aug-15	4378	Dinobryon borgei Lemmermann	21552	0.93	8.60	3.10	43.30
INUG73S	27-Aug-15	4381	Dinobryon mucronutom Nygaard	7184	0.94	10.00	5.00	130.90
INUG73S	27-Aug-15	4383	Dinobryon bavaricum Imhof	4200	0.27	0.00	0.00	65.00
INUG73S	27-Aug-15	4383	Dinobryon bavaricum Imhof	57472	13.00	12.00	6.00	226.20
INUG73S	27-Aug-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	14368	5.60	15.20	7.00	390.00
INUG73S	27-Aug-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	200	0.55	0.00	0.00	2725.00
INUG73S	27-Aug-15	4388	Dinobryon sertularia Ehrenberg	43104	9.75	12.00	6.00	226.20
INUG73S	27-Aug-15	4390	Dinobryon sociale Ehrenberg	330464	74.75	12.00	6.00	226.20
INUG73S	27-Aug-15	4390	Dinobryon sociale Ehrenberg	200	0.68	0.00	0.00	3390.00
INUG73S	27-Aug-15	4396	Chrysalkos skuja (Nauwerck) Willen	14368	0.37	5.50	3.00	25.90
INUG73S	27-Aug-15	4411	Bitrichia chodatii (Reverdin) Chodat	43104	1.29	5.60	3.20	30.00
INUG73S	27-Aug-15	4413	Chrysochromulina laurentiana Kling	43104	16.45	9.00	9.00	381.70
INUG73S	27-Aug-15	4414	Stichogloea spp.	136496	6.87	6.00	4.00	50.30
INUG73S	27-Aug-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.21	5.70	3.10	28.70
INUG73S	27-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	200	0.24	9.10	18.20	1183.70
INUG73S	27-Aug-15	5509	Cyclotella ocellata Pant.	57472	5.78	4.00	8.00	100.50
INUG73S	27-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	7184	0.56	11.00	3.00	77.80
INUG73S	27-Aug-15	5514	Tabellaria flocculsa (Roth) Kutzing	400	0.47	23.00	14.00	1180.20
INUG73S	27-Aug-15	5518	Synedra acus Kutzing	600	0.06	90.00	2.00	94.20
INUG73S	27-Aug-15	5524	Asterionella formosa Hassall	600	0.06	96.00	2.00	100.50
INUG73S	27-Aug-15	5551	Cyclotella michiganiana Skvortzow	193968	4.48	2.45	4.90	23.10
INUG73S	27-Aug-15	6554	Rhodomonas minuta Skuja	114944	5.78	9.00	4.00	50.30
INUG73S	27-Aug-15	7632	Gymnodinium sp.	7184	2.19	9.10	8.00	304.90
INUG73S	27-Aug-15	7632	Gymnodinium sp.	800	7.36	26.00	26.00	9202.80
INUG73S	27-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	400	0.44	14.60	12.00	1100.80
INUG74S	1-Oct-15	1012	Aphanothece sp.	7184	0.37	0.00	0.00	52.00
INUG74S	1-Oct-15	1014	Chroococcus limneticus Lemmermann	57472	2.74	4.50	4.50	47.70
INUG74S	1-Oct-15	1054	Planktolynghya limnetica	1400	0.27	171.00	1.20	193.40
INUG74S	1-Oct-15	2100	Pyramidomonas tetrahyndus Schmarda	200	0.11	14.00	12.00	527.80
INUG74S	1-Oct-15	2105	Chlamydomonas spp.	14368	0.34	5.00	3.00	23.60
INUG74S	1-Oct-15	2121	Oocystis lacustris Chodat	64656	3.03	5.60	4.00	46.90
INUG74S	1-Oct-15	2145	Crucigenia quadrata Morr.	114944	0.16	2.00	2.00	1.40

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
INUG74S	1-Oct-15	2167	Elakatothrix gelatinosa Willen	71840	1.13	10.00	2.00	15.70
INUG74S	1-Oct-15	2178	Cosmarium sp.	200	0.20	18.00	18.00	1017.90
INUG74S	1-Oct-15	2187	Staurodesmus extensus (Andersson) Teiling	1600	1.04	16.30	14.00	649.20
INUG74S	1-Oct-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
INUG74S	1-Oct-15	4351	Small chrysophyceae	352016	4.96	3.00	3.00	14.10
INUG74S	1-Oct-15	4352	Large chrysophyceae	21552	4.39	7.30	7.30	203.70
INUG74S	1-Oct-15	4357	Chrysococcus sp.	524432	32.31	4.90	4.90	61.60
INUG74S	1-Oct-15	4361	Kephyrion boreale Skuja	28736	2.79	5.70	5.70	97.00
INUG74S	1-Oct-15	4362	Kephyrion sp.	150864	3.68	3.60	3.60	24.40
INUG74S	1-Oct-15	4363	Spinifiromonas sirratus*****	43104	3.75	5.50	5.50	87.10
INUG74S	1-Oct-15	4370	Mallomonas akrokomos Asmund and Kristiansen	7184	1.74	21.00	4.70	242.90
INUG74S	1-Oct-15	4378	Dinobryon borgei Lemmermann	21552	1.11	9.60	3.20	51.50
INUG74S	1-Oct-15	4381	Dinobryon mucronutom Nygaard	7184	0.94	10.00	5.00	130.90
INUG74S	1-Oct-15	4383	Dinobryon bavaricum Imhof	200	0.25	0.00	0.00	1250.00
INUG74S	1-Oct-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	200	1.02	0.00	0.00	5085.00
INUG74S	1-Oct-15	4388	Dinobryon sertularia Ehrenberg	43104	9.75	12.00	6.00	226.20
INUG74S	1-Oct-15	4390	Dinobryon sociale Ehrenberg	251440	56.88	12.00	6.00	226.20
INUG74S	1-Oct-15	4390	Dinobryon sociale Ehrenberg	3000	5.97	0.00	0.00	1991.00
INUG74S	1-Oct-15	4396	Chrysolkos skuja (Nauwerck) Willen	50288	1.42	5.60	3.10	28.20
INUG74S	1-Oct-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.71	5.90	4.00	49.40
INUG74S	1-Oct-15	4413	Chrysochromulina laurentiana Kling	43104	16.45	9.00	9.00	381.70
INUG74S	1-Oct-15	4414	Stichogloea spp.	150864	7.59	6.00	4.00	50.30
INUG74S	1-Oct-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	21552	0.56	5.50	3.00	25.90
INUG74S	1-Oct-15	5507	Cyclotella stelligera Cleve and Grunow	1400	2.55	10.50	21.00	1818.40
INUG74S	1-Oct-15	5509	Cyclotella ocellata Pant.	50288	6.73	4.40	8.80	133.80
INUG74S	1-Oct-15	5511	Rhizosolenia erienne H.L. Smith	28736	1.83	9.00	3.00	63.60
INUG74S	1-Oct-15	5514	Tabellaria flocculsa (Roth) Kutzing	3000	3.69	24.00	14.00	1231.50
INUG74S	1-Oct-15	5518	Synedra acus Kutzing	6600	0.63	91.00	2.00	95.30
INUG74S	1-Oct-15	5551	Cyclotella michiganiana Skvortzow	215520	5.28	2.50	5.00	24.50
INUG74S	1-Oct-15	6554	Rhodomonas minuta Skuja	57472	7.94	11.00	6.00	138.20
INUG74S	1-Oct-15	6558	Cryptomonas erosa Ehrenberg	800	0.97	24.10	12.00	1211.40
INUG74S	1-Oct-15	6568	Katablepharis ovalis Skuja	14368	0.74	8.60	4.00	51.60
INUG74S	1-Oct-15	7632	Gymnodinium sp.	21552	7.94	11.00	8.00	368.60
INUG74S	1-Oct-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.19	12.60	12.00	950.00
INUG75S	1-Oct-15	1054	Planktolynghya limnetica	600	0.10	146.00	1.20	165.10
INUG75S	1-Oct-15	1077	Pseudoanabaena sp.	14368	1.87	46.00	1.90	130.40
INUG75S	1-Oct-15	2105	Chlamydomonas spp.	7184	0.17	5.00	3.00	23.60
INUG75S	1-Oct-15	2121	Oocystis lacustris Chodat	35920	1.68	5.60	4.00	46.90
INUG75S	1-Oct-15	2145	Crucigenia quadrata Morr.	57472	0.08	2.00	2.00	1.40
INUG75S	1-Oct-15	2167	Elakatothrix gelatinosa Willen	43104	0.68	10.00	2.00	15.70
INUG75S	1-Oct-15	2178	Cosmarium sp.	200	0.28	20.00	20.00	1396.30
INUG75S	1-Oct-15	2187	Staurodesmus extensus (Andersson) Teiling	1000	0.65	16.30	14.00	649.20
INUG75S	1-Oct-15	2193	Staurodesmus paradoxum Meyen	200	0.75	30.00	24.00	3769.90
INUG75S	1-Oct-15	2215	Tetraedron caudatum (Corda) Hansgrig	7184	0.03	3.00	3.00	4.70
INUG75S	1-Oct-15	2235	Ankistrodesmus spiralis Lemmermann	57472	3.98	40.00	2.10	69.30
INUG75S	1-Oct-15	4351	Small chrysophyceae	287360	4.05	3.00	3.00	14.10
INUG75S	1-Oct-15	4352	Large chrysophyceae	21552	4.39	7.30	7.30	203.70
INUG75S	1-Oct-15	4357	Chrysococcus sp.	761504	46.91	4.90	4.90	61.60
INUG75S	1-Oct-15	4361	Kephyrion boreale Skuja	28736	2.79	5.70	5.70	97.00
INUG75S	1-Oct-15	4362	Kephyrion sp.	129312	3.16	3.60	3.60	24.40
INUG75S	1-Oct-15	4363	Spinifiromonas sirratus*****	14368	1.25	5.50	5.50	87.10
INUG75S	1-Oct-15	4370	Mallomonas akrokomos Asmund and Kristiansen	14368	3.49	21.00	4.70	242.90
INUG75S	1-Oct-15	4378	Dinobryon borgei Lemmermann	21552	1.05	9.10	3.20	48.80
INUG75S	1-Oct-15	4381	Dinobryon mucronutom Nygaard	14368	1.88	10.00	5.00	130.90
INUG75S	1-Oct-15	4383	Dinobryon bavaricum Imhof	200	0.25	0.00	0.00	1250.00
INUG75S	1-Oct-15	4388	Dinobryon sertularia Ehrenberg	28736	6.50	12.00	6.00	226.20
INUG75S	1-Oct-15	4390	Dinobryon sociale Ehrenberg	215520	48.75	12.00	6.00	226.20
INUG75S	1-Oct-15	4390	Dinobryon sociale Ehrenberg	2600	5.18	0.00	0.00	1991.00
INUG75S	1-Oct-15	4396	Chrysolkos skuja (Nauwerck) Willen	14368	0.41	5.60	3.10	28.20
INUG75S	1-Oct-15	4411	Bitrichia chodatii (Reverdin) Chodat	14368	0.71	5.90	4.00	49.40
INUG75S	1-Oct-15	4413	Chrysochromulina laurentiana Kling	28736	10.97	9.00	9.00	381.70
INUG75S	1-Oct-15	4414	Stichogloea spp.	107760	5.42	6.00	4.00	50.30
INUG75S	1-Oct-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	28736	0.74	5.50	3.00	25.90
INUG75S	1-Oct-15	5507	Cyclotella stelligera Cleve and Grunow	1000	1.82	10.50	21.00	1818.40
INUG75S	1-Oct-15	5509	Cyclotella ocellata Pant.	14368	1.92	4.40	8.80	133.80
INUG75S	1-Oct-15	5511	Rhizosolenia erienne H.L. Smith	57472	3.66	9.00	3.00	63.60
INUG75S	1-Oct-15	5513	Tabellaria fenestrata (Lyngbye) Kutzing	600	0.45	80.00	6.00	754.00
INUG75S	1-Oct-15	5514	Tabellaria flocculsa (Roth) Kutzing	2200	2.78	24.60	14.00	1262.30
INUG75S	1-Oct-15	5518	Synedra acus Kutzing	7600	0.72	91.00	2.00	95.30
INUG75S	1-Oct-15	5551	Cyclotella michiganiana Skvortzow	272992	6.69	2.50	5.00	24.50
INUG75S	1-Oct-15	6554	Rhodomonas minuta Skuja	28736	3.97	11.00	6.00	138.20
INUG75S	1-Oct-15	6558	Cryptomonas erosa Ehrenberg	400	0.46	23.10	12.00	1161.10
INUG75S	1-Oct-15	6568	Katablepharis ovalis Skuja	50288	2.59	8.60	4.00	51.60
INUG75S	1-Oct-15	7632	Gymnodinium sp.	21552	7.94	11.00	8.00	368.60
PDL37S	28-Jul-15	2105	Chlamydomonas spp.	21552	0.35	5.00	2.50	16.40
PDL37S	28-Jul-15	2187	Staurodesmus extensus (Andersson) Teiling	400	0.16	14.00	12.00	410.50
PDL37S	28-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	14368	0.07	3.00	3.00	4.70
PDL37S	28-Jul-15	4351	Small chrysophyceae	316096	3.26	2.70	2.70	10.30
PDL37S	28-Jul-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
PDL37S	28-Jul-15	4357	Chrysococcus sp.	1041680	64.17	4.90	4.90	61.60

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
PDL37S	28-Jul-15	4362	Kephyrion sp.	158048	3.86	3.60	3.60	24.40
PDL37S	28-Jul-15	4363	Spinifiromonas sirratus*****	7184	0.90	6.20	6.20	124.80
PDL37S	28-Jul-15	4378	Dinobryon borgei Lemmermann	7184	0.33	8.60	3.20	46.10
PDL37S	28-Jul-15	4381	Dinobryon mucronutom Nygaard	14368	1.62	8.60	5.00	112.60
PDL37S	28-Jul-15	4388	Dinobryon sertularia Ehrenberg	43104	9.75	12.00	6.00	226.20
PDL37S	28-Jul-15	4388	Dinobryon sertularia Ehrenberg	7600	38.65	0.00	0.00	5085.00
PDL37S	28-Jul-15	4390	Dinobryon sociale Ehrenberg	50288	11.38	12.00	6.00	226.20
PDL37S	28-Jul-15	4390	Dinobryon sociale Ehrenberg	8000	27.12	0.00	0.00	3390.00
PDL37S	28-Jul-15	4413	Chrysochromulina laurentiana Kling	71840	29.29	9.20	9.20	407.70
PDL37S	28-Jul-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
PDL37S	28-Jul-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	14368	0.35	5.20	3.00	24.50
PDL37S	28-Jul-15	5507	Cyclotella stelligera Cleve and Grunow	600	0.85	9.65	19.30	1411.60
PDL37S	28-Jul-15	5509	Cyclotella ocellata Pant.	57472	5.99	4.05	8.10	104.30
PDL37S	28-Jul-15	5511	Rhizosolenia eriensis H.L. Smith	17960	1.40	11.00	3.00	77.80
PDL37S	28-Jul-15	5518	Synedra acus Kutzing	4800	0.48	96.00	2.00	100.50
PDL37S	28-Jul-15	5540	Aulacoseira italica v subarctica (O. Muller) Simonsen	600	1.42	69.00	6.60	2360.60
PDL37S	28-Jul-15	5551	Cyclotella michiganiana Skvortzow	143680	3.52	2.50	5.00	24.50
PDL37S	28-Jul-15	6554	Rhodomonas minuta Skuja	28736	3.64	12.00	5.50	126.70
PDL37S	28-Jul-15	6558	Cryptomonas erosa Ehrenberg	2200	2.65	24.00	12.00	1206.40
PDL37S	28-Jul-15	6562	Cryptomonas reflexa (Marsson) Skuja	200	0.14	20.00	10.00	698.10
PDL37S	28-Jul-15	6568	Katablepharis ovalis Skuja	28736	1.35	8.20	4.00	46.90
PDL37S	28-Jul-15	7632	Gymnodinium sp.	400	2.42	22.60	22.60	6044.00
PDL37S	28-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	600	0.61	13.40	12.00	1010.30
PDL37S	28-Jul-15	7641	Peridinium aciculiferum Lemmermann	400	3.62	30.00	24.00	9047.80
PDL38S	28-Jul-15	2215	Tetraedron caudatum (Corda) Hansgrig	14368	0.07	3.00	3.00	4.70
PDL38S	28-Jul-15	4351	Small chrysophyceae	280176	2.89	2.70	2.70	10.30
PDL38S	28-Jul-15	4352	Large chrysophyceae	43104	7.74	7.00	7.00	179.60
PDL38S	28-Jul-15	4357	Chrysococcus sp.	1142256	70.36	4.90	4.90	61.60
PDL38S	28-Jul-15	4362	Kephyrion sp.	201152	3.46	3.20	3.20	17.20
PDL38S	28-Jul-15	4363	Spinifiromonas sirratus*****	35920	2.80	5.30	5.30	78.00
PDL38S	28-Jul-15	4378	Dinobryon borgei Lemmermann	14368	0.66	8.60	3.20	46.10
PDL38S	28-Jul-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	200	0.93	0.00	0.00	4625.00
PDL38S	28-Jul-15	4388	Dinobryon sertularia Ehrenberg	28736	6.50	12.00	6.00	226.20
PDL38S	28-Jul-15	4388	Dinobryon sertularia Ehrenberg	6600	33.56	0.00	0.00	5085.00
PDL38S	28-Jul-15	4390	Dinobryon sociale Ehrenberg	79024	17.88	12.00	6.00	226.20
PDL38S	28-Jul-15	4390	Dinobryon sociale Ehrenberg	11200	37.97	0.00	0.00	3390.00
PDL38S	28-Jul-15	4396	Chrysolkos skuja (Nauwerck) Willen	7184	0.20	5.40	3.10	27.20
PDL38S	28-Jul-15	4413	Chrysochromulina laurentiana Kling	107760	43.93	9.20	9.20	407.70
PDL38S	28-Jul-15	4414	Stichogloea spp.	28736	1.45	6.00	4.00	50.30
PDL38S	28-Jul-15	5509	Cyclotella ocellata Pant.	14368	1.50	4.05	8.10	104.30
PDL38S	28-Jul-15	5511	Rhizosolenia eriensis H.L. Smith	64656	5.03	11.00	3.00	77.80
PDL38S	28-Jul-15	5518	Synedra acus Kutzing	6400	0.64	96.00	2.00	100.50
PDL38S	28-Jul-15	5551	Cyclotella michiganiana Skvortzow	122128	2.99	2.50	5.00	24.50
PDL38S	28-Jul-15	6554	Rhodomonas minuta Skuja	14368	1.69	12.00	5.30	117.70
PDL38S	28-Jul-15	6558	Cryptomonas erosa Ehrenberg	3000	3.56	23.60	12.00	1186.30
PDL38S	28-Jul-15	6568	Katablepharis ovalis Skuja	21552	1.01	8.20	4.00	46.90
PDL38S	28-Jul-15	7632	Gymnodinium sp.	7184	2.31	9.60	8.00	321.70
PDL38S	28-Jul-15	7632	Gymnodinium sp.	1800	9.50	21.60	21.60	5276.70
PDL38S	28-Jul-15	7639	Peridinium pusillum (Penard) Lemmermann	1400	1.39	13.20	12.00	995.30
PDL38S	28-Jul-15	7641	Peridinium aciculiferum Lemmermann	200	1.87	31.00	24.00	9349.40
PDL39S	26-Aug-15	1012	Aphanothece sp.	7184	0.47	0.00	0.00	66.00
PDL39S	26-Aug-15	1054	Planktolyngbya limnetica	2000	0.37	163.00	1.20	184.30
PDL39S	26-Aug-15	2105	Chlamydomonas spp.	14368	0.24	5.00	2.50	16.40
PDL39S	26-Aug-15	2112	Sphaerocystis Schroeteri Chodat	86208	3.11	4.10	4.10	36.10
PDL39S	26-Aug-15	2121	Oocystis lacustris Chodat	35920	1.81	6.00	4.00	50.30
PDL39S	26-Aug-15	2167	Elakatothrix gelatinosa Willen	100576	1.58	10.00	2.00	15.70
PDL39S	26-Aug-15	2193	Staurodesmus paradoxum Meyen	200	0.67	28.30	24.00	3354.80
PDL39S	26-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	7184	0.42	31.00	2.20	58.90
PDL39S	26-Aug-15	4351	Small chrysophyceae	222704	2.85	2.90	2.90	12.80
PDL39S	26-Aug-15	4352	Large chrysophyceae	7184	1.29	7.00	7.00	179.60
PDL39S	26-Aug-15	4357	Chrysococcus sp.	646560	42.29	5.00	5.00	65.40
PDL39S	26-Aug-15	4361	Kephyrion boreale Skuja	7184	0.85	6.10	6.10	118.80
PDL39S	26-Aug-15	4362	Kephyrion sp.	107760	2.22	3.40	3.40	20.60
PDL39S	26-Aug-15	4363	Spinifiromonas sirratus*****	14368	1.47	5.80	5.80	102.20
PDL39S	26-Aug-15	4378	Dinobryon borgei Lemmermann	14368	0.74	9.00	3.30	51.30
PDL39S	26-Aug-15	4381	Dinobryon mucronutom Nygaard	21552	2.82	10.00	5.00	130.90
PDL39S	26-Aug-15	4388	Dinobryon sertularia Ehrenberg	50288	11.38	12.00	6.00	226.20
PDL39S	26-Aug-15	4388	Dinobryon sertularia Ehrenberg	1600	3.18	0.00	0.00	1990.00
PDL39S	26-Aug-15	4388	Dinobryon sertularia Ehrenberg	1800	3.87	0.00	0.00	2150.00
PDL39S	26-Aug-15	4390	Dinobryon sociale Ehrenberg	179600	40.63	12.00	6.00	226.20
PDL39S	26-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	14368	0.40	5.50	3.10	27.70
PDL39S	26-Aug-15	4401	Uroglena volvox Ehrenberg	43104	4.88	6.00	6.00	113.10
PDL39S	26-Aug-15	4413	Chrysochromulina laurentiana Kling	21552	8.23	9.00	9.00	381.70
PDL39S	26-Aug-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
PDL39S	26-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	600	1.09	10.50	21.00	1818.40
PDL39S	26-Aug-15	5509	Cyclotella ocellata Pant.	64656	9.57	4.55	9.10	148.00
PDL39S	26-Aug-15	5511	Rhizosolenia eriensis H.L. Smith	50288	3.20	9.00	3.00	63.60
PDL39S	26-Aug-15	5518	Synedra acus Kutzing	3400	0.32	90.00	2.00	94.20
PDL39S	26-Aug-15	5551	Cyclotella michiganiana Skvortzow	100576	2.46	2.50	5.00	24.50
PDL39S	26-Aug-15	6554	Rhodomonas minuta Skuja	21552	1.14	9.00	4.10	52.80

		Species	Speceis name	density	biomass	length	width	cell volume
Station	Date	code		cells/L	mg/m ³	μ	μ	μ ³
PDL39S	26-Aug-15	6558	Cryptomonas erosa Ehrenberg	400	0.32	22.60	10.00	788.90
PDL39S	26-Aug-15	6568	Katablepharis ovalis Skuja	21552	1.04	8.30	4.00	48.10
PDL39S	26-Aug-15	7632	Gymnodinium sp.	400	2.11	21.60	21.60	5276.70
PDL39S	26-Aug-15	7639	Peridinium pusillum (Penard) Lemmermann	200	0.21	14.00	12.00	1055.60
PDL40S	26-Aug-15	1054	Planktolyngbya limnetica	3800	0.90	210.00	1.20	237.50
PDL40S	26-Aug-15	2112	Sphaerocystis schroeteri Chodat	35920	1.30	4.10	4.10	36.10
PDL40S	26-Aug-15	2137	Dictyosphaerium simplex Sukja	21552	0.14	2.30	2.30	6.40
PDL40S	26-Aug-15	2167	Elakatothrix gelatinosa Willen	14368	0.23	10.00	2.00	15.70
PDL40S	26-Aug-15	2187	Staurodesmus extensus (Andersson) Teiling	200	0.08	13.50	12.00	381.70
PDL40S	26-Aug-15	2193	Staurodesmus paradoxum Meyen	200	0.67	28.30	24.00	3354.80
PDL40S	26-Aug-15	2199	Spondylosium planum (Wolle) W. and G.S. West	14368	0.54	6.00	6.00	37.70
PDL40S	26-Aug-15	2206	Botryococcus braunii Kutzing	400	0.21	10.00	10.00	523.60
PDL40S	26-Aug-15	2215	Tetraedron caudatum (Corda) Hansgrig	14368	0.07	3.00	3.00	4.70
PDL40S	26-Aug-15	2235	Ankistrodesmus spiralis Lemmermann	21552	1.16	31.00	2.10	53.70
PDL40S	26-Aug-15	2247	Oocystis gigas Archer	400	0.97	18.00	16.00	2412.70
PDL40S	26-Aug-15	4351	Small chrysophyceae	337648	4.32	2.90	2.90	12.80
PDL40S	26-Aug-15	4352	Large chrysophyceae	21552	3.87	7.00	7.00	179.60
PDL40S	26-Aug-15	4357	Chrysococcus sp.	531616	34.77	5.00	5.00	65.40
PDL40S	26-Aug-15	4362	Kephyrion sp.	93392	1.92	3.40	3.40	20.60
PDL40S	26-Aug-15	4378	Dinobryon borgei Lemmermann	21552	1.11	9.00	3.30	51.30
PDL40S	26-Aug-15	4381	Dinobryon mucronutom Nygaard	14368	1.88	10.00	5.00	130.90
PDL40S	26-Aug-15	4388	Dinobryon sertularia Ehrenberg	93392	21.13	12.00	6.00	226.20
PDL40S	26-Aug-15	4388	Dinobryon sertularia Ehrenberg	2600	5.59	0.00	0.00	2150.00
PDL40S	26-Aug-15	4390	Dinobryon sociale Ehrenberg	158048	35.75	12.00	6.00	226.20
PDL40S	26-Aug-15	4390	Dinobryon sociale Ehrenberg	2600	5.17	0.00	0.00	1990.00
PDL40S	26-Aug-15	4396	Chrysolkos skuja (Nauwerck) Willen	7184	0.20	5.50	3.10	27.70
PDL40S	26-Aug-15	4401	Uroglena volvox Ehrenberg	43104	4.88	6.00	6.00	113.10
PDL40S	26-Aug-15	4413	Chrysochromulina laurentiana Kling	35920	13.71	9.00	9.00	381.70
PDL40S	26-Aug-15	4414	Stichogloea spp.	7184	0.36	6.00	4.00	50.30
PDL40S	26-Aug-15	5507	Cyclotella stelligera Cleve and Grunow	400	0.73	10.50	21.00	1818.40
PDL40S	26-Aug-15	5509	Cyclotella ocellata Pant.	43104	6.38	4.55	9.10	148.00
PDL40S	26-Aug-15	5511	Rhizosolenia erienne H.L. Smith	50288	3.20	9.00	3.00	63.60
PDL40S	26-Aug-15	5518	Synedra acus Kutzing	4400	0.41	90.00	2.00	94.20
PDL40S	26-Aug-15	5551	Cyclotella michiganiana Skvortzow	114944	2.82	2.50	5.00	24.50
PDL40S	26-Aug-15	5720	Cyclotella bodanica Eulenst.	400	2.80	16.45	32.90	6992.30
PDL40S	26-Aug-15	6554	Rhodomonas minuta Skuja	21552	1.14	9.00	4.10	52.80
PDL40S	26-Aug-15	6558	Cryptomonas erosa Ehrenberg	1400	1.10	22.60	10.00	788.90
PDL40S	26-Aug-15	7632	Gymnodinium sp.	400	2.11	21.60	21.60	5276.70
PDL41S	4-Oct-15	1054	Planktolyngbya limnetica	7400	2.51	300.00	1.20	339.30
PDL41S	4-Oct-15	2105	Chlamydomonas spp.	14368	0.72	6.00	4.00	50.30
PDL41S	4-Oct-15	2112	Sphaerocystis schroeteri Chodat	64656	0.67	2.70	2.70	10.30
PDL41S	4-Oct-15	2121	Oocystis lacustris Chodat	136496	3.92	6.10	3.00	28.70
PDL41S	4-Oct-15	2130	Scenedesmus quadricauda (Turp.) Brebisson	14368	1.50	12.00	5.00	104.70
PDL41S	4-Oct-15	2137	Dictyosphaerium simplex Sukja	86208	0.36	2.00	2.00	4.20
PDL41S	4-Oct-15	2167	Elakatothrix gelatinosa Willen	21552	0.44	13.00	2.00	20.40
PDL41S	4-Oct-15	2235	Ankistrodesmus spiralis Lemmermann	21552	1.34	36.00	2.10	62.30
PDL41S	4-Oct-15	4351	Small chrysophyceae	272992	3.85	3.00	3.00	14.10
PDL41S	4-Oct-15	4352	Large chrysophyceae	14368	2.58	7.00	7.00	179.60
PDL41S	4-Oct-15	4355	Chrysochromulina parva Lackey	14368	0.94	5.00	5.00	65.40
PDL41S	4-Oct-15	4357	Chrysococcus sp.	215520	10.99	4.60	4.60	51.00
PDL41S	4-Oct-15	4362	Kephyrion sp.	122128	2.98	3.60	3.60	24.40
PDL41S	4-Oct-15	4378	Dinobryon borgei Lemmermann	28736	1.78	9.10	3.60	61.80
PDL41S	4-Oct-15	4384	Dinobryon bavaricum v vanhoeffenii (Bachmann) Krieger	200	0.51	0.00	0.00	2525.00
PDL41S	4-Oct-15	4388	Dinobryon sertularia Ehrenberg	50288	11.38	12.00	6.00	226.20
PDL41S	4-Oct-15	4388	Dinobryon sertularia Ehrenberg	1000	3.39	0.00	0.00	3390.00
PDL41S	4-Oct-15	4390	Dinobryon sociale Ehrenberg	114944	26.00	12.00	6.00	226.20
PDL41S	4-Oct-15	4390	Dinobryon sociale Ehrenberg	4800	16.27	0.00	0.00	3390.00
PDL41S	4-Oct-15	4396	Chrysolkos skuja (Nauwerck) Willen	21552	0.61	5.60	3.10	28.20
PDL41S	4-Oct-15	4413	Chrysochromulina laurentiana Kling	35920	13.71	9.00	9.00	381.70
PDL41S	4-Oct-15	4414	Stichogloea spp.	35920	1.81	6.00	4.00	50.30
PDL41S	4-Oct-15	4418	Salpingoeca frequentissima (Zach.) Lemmermann	7184	0.23	6.00	3.20	32.20
PDL41S	4-Oct-15	5507	Cyclotella stelligera Cleve and Grunow	1400	2.55	10.50	21.00	1818.40
PDL41S	4-Oct-15	5509	Cyclotella ocellata Pant.	21552	2.69	4.30	8.60	124.90
PDL41S	4-Oct-15	5518	Synedra acus Kutzing	2400	0.23	91.00	2.00	95.30
PDL41S	4-Oct-15	5551	Cyclotella michiganiana Skvortzow	193968	4.48	2.45	4.90	23.10
PDL41S	4-Oct-15	5720	Cyclotella bodanica Eulenst.	200	1.49	16.80	33.60	7448.10
PDL41S	4-Oct-15	6554	Rhodomonas minuta Skuja	21552	3.25	12.00	6.00	150.80
PDL41S	4-Oct-15	6558	Cryptomonas erosa Ehrenberg	600	0.71	23.40	12.00	1176.20
PDL41S	4-Oct-15	7631	Gymnodinium helveticum Penard	200	4.81	51.00	30.00	24033.20
PDL41S	4-Oct-15	7632	Gymnodinium sp.	14368	5.01	10.40	8.00	348.50
PDL41S	4-Oct-15	7632	Gymnodinium sp.	400	3.51	25.60	25.60	8784.50

APPENDIX F

Benthic Invertebrate Taxonomy, Whale Tail Pit Baseline, 2015

Raw benthic invertebrate data, Whale Tail Pit Baseline, 2015.

Program Lake Name Station Replicate	Meadowbank Reference Lakes										Amaruq Study Lakes									
	Inuggugayualik Lake					Pipedream Lake					Mammoth Lake					Nemo Lake				
	INUG					PDL					MAM					NEM				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
ROUNDWORMS																				
P. Nemata	8	2	5	5	5	3	6	1	2	2	-	1	1	4	1	-	1	4	2	3
FLATWORMS																				
P. Platyhelminthes																				
Cl. Turbellaria																				
indeterminate	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	1	-	1	-
ANNELIDS																				
P. Annelida																				
WORMS																				
Cl. Oligochaeta																				
F. Naididae																				
S.F. Tubificinae																				
immatures with hair chaetae	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
S.F. Rhyacodrilinae																				
Rhyacodrilus coccineus	-	-	-	-	-	-	-	-	-	-	3	3	-	-	2	-	-	-	1	-
Rhyacodrilus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Lumbriculidae																				
Lumbriculus	1	2	6	-	2	-	1	-	2	-	1	3	2	1	-	2	1	-	-	3
ARTHROPODS																				
P. Arthropoda																				
MITES																				
Cl. Arachnida																				
O. Acarina																				
indeterminate	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	1
F. Acalyptonotidae																				
Acalyptonotus	-	-	1	-	-	-	1	-	-	-	-	-	-	1	1	1	-	2	4	4
F. Hygrobatidae																				
Hygrobates	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
F. Lebertiidae																				
Lebertia	-	-	-	-	-	-	-	1	-	2	-	-	2	-	-	2	3	1	-	-
F. Oxidae																				
Frontipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxus	-	-	-	-	-	-	-	-	-	-	3	3	2	3	-	-	3	-	-	-
SEED SHRIMPS																				
Cl. Ostracoda	1	6	6	2	1	21	5	4	2	3	17	15	12	15	6	20	12	7	12	20
FAIRY SHRIMP																				
O. Notostraca																				
Lepidurus arcticus	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
INSECTS																				
Cl. Insecta																				
CADDISFLIES																				
O. Trichoptera																				
F. Limnephilidae																				
Grensia praeterita	-	-	1	-	-	4	-	-	1	1	-	-	1	-	-	-	-	-	-	-
TRUE FLIES																				
O. Diptera																				
MIDGES																				
F. Chironomidae																				
chironomid pupae	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	2	2	-	-
S.F. Chironominae																				
Cladotanytarsus	-	2	-	1	-	-	-	-	-	-	1	5	-	1	-	-	-	-	-	-
Corynocera	-	4	3	5	-	-	-	-	-	-	12	3	2	15	9	-	-	-	-	-
Dicrotendipes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micropsectra	-	18	-	-	2	-	-	-	-	-	-	-	9	-	-	3	-	-	4	2
Microtendipes	3	22	19	31	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parachironomus	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratanytarsus	2	3	6	1	2	6	-	-	-	-	6	14	5	33	23	-	-	7	2	-
Sergentia	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Stempellinella	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Stictochironomus	5	9	26	5	7	20	13	20	6	21	5	6	7	-	-	28	45	7	38	51
Tanytarsus	-	7	11	8	8	9	-	-	-	-	95	38	17	261	184	32	43	69	18	17
S.F. Diamesinae																				
Protanypus	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.F. Orthocladiinae																				
Abiskomyia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heterotrissocladius	-	-	-	1	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Paracladius	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Parakiefferiella	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Psectrocladius	2	4	1	-	-	7	9	3	1	2	2	1	-	1	5	5	1	3	7	10
Zalutschia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.F. Prodiamesinae																				
Monodiamesa	3	2	1	4	-	-	2	2	-	2	2	2	3	1	-	-	-	-	-	-
S.F. Tanypodinae																				
Ablabesmyia	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
Procladius	10	4	5	4	11	6	15	14	9	8	14	13	14	15	14	17	15	19	19	17
Thienemanimyia complex	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-	4	2	3	4
F. Empididae																				
Chelifera/Neoplasta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLLUSCS																				
P. Mollusca																				
CLAMS																				
Cl. Bivalvia																				
F. Sphaeriidae																				
Cyclocalyx/Neopisidium	14	23	15	16	17	2	14	20	9	13	27	19	18	31	7	29	20	16	21	12
Cyclocalyx	-	2	4	-	-	7	-	-	-	-	6	11	8	12	8	6	11	7	9	4
Sphaerium nitidum	2	4	2	2	3	-	-	-	-	-	-	1	-	6	2	-	1	-	-	-

Raw benthic invertebrate data, Whale Tail Pit Baseline, 2015.

Program Lake Name Station Replicate	Amaruq Study Lakes														
	Whale Tail Lake - North Basin (deep)					Whale Tail Lake - North Basin (shallow)					Whale Tail Lake - South Basin				
	WTN					WTN-EX					WTS				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
ROUNDWORMS															
P. Nemata	2	-	1	-	2	1	2	1	1	1	1	-	3	2	-
FLATWORMS															
P. Platyhelminthes															
Cl. Turbellaria															
indeterminate	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
ANNELIDS															
P. Annelida															
WORMS															
Cl. Oligochaeta															
F. Naididae															
S.F. Tubificinae															
immatures with hair chaetae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.F. Rhyacodrilinae															
<i>Rhyacodrilus coccineus</i>	-	-	-	2	-	1	-	6	1	-	-	-	1	-	-
<i>Rhyacodrilus</i>	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
F. Lumbriculidae															
<i>Lumbriculus</i>	-	-	-	2	2	-	-	2	2	1	-	-	-	-	-
ARTHROPODS															
P. Arthropoda															
MITES															
Cl. Arachnida															
O. Acarina															
indeterminate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Acalyptonotidae															
<i>Acalyptonotus</i>	4	1	2	1	1	4	2	2	1	3	-	-	2	2	1
F. Hygrobatidae															
<i>Hygrobates</i>	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
F. Lebertiidae															
<i>Lebertia</i>	-	-	1	-	-	1	-	4	3	-	-	-	2	-	-
F. Oxidae															
<i>Frontipoda</i>	-	-	-	-	-	-	-	-	-	5	1	3	2	3	1
<i>Oxus</i>	1	-	1	2	2	1	4	5	4	-	-	-	-	-	-
SEED SHRIMPS															
Cl. Ostracoda	25	7	12	11	19	45	43	48	77	57	25	10	21	11	19
FAIRY SHRIMP															
O. Notostraca															
<i>Lepidurus arcticus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INSECTS															
Cl. Insecta															
CADDISFLIES															
O. Trichoptera															
F. Limnephilidae															
<i>Grensia praeterita</i>	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
TRUE FLIES															
O. Diptera															
MIDGES															
F. Chironomidae															
chironomid pupae	-	-	-	-	1	-	-	-	-	1	-	-	-	1	-
S.F. Chironominae															
<i>Cladotanytarsus</i>	-	-	-	-	-	-	3	6	5	-	1	-	-	-	-
<i>Corynocera</i>	-	-	1	-	-	108	7	137	118	124	3	-	45	12	1
<i>Dicrotendipes</i>	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Micropsectra</i>	1	-	1	-	4	4	9	-	7	-	2	12	14	38	1
<i>Microtendipes</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Parachironomus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Paratanytarsus</i>	2	-	-	-	3	-	-	-	-	-	2	4	8	1	3
<i>Sergentia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Stempellinella</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>Stictochironomus</i>	13	14	6	6	41	41	8	47	30	44	3	1	3	12	2
<i>Tanytarsus</i>	1	-	1	2	3	9	2	6	-	22	8	1	14	6	5
S.F. Diamesinae															
<i>Protanypus</i>	1	-	-	2	-	-	2	-	-	-	-	-	1	2	2
S.F. Orthoclaadiinae															
<i>Abiskomyia</i>	-	-	1	-	1	-	-	-	-	-	-	-	-	1	1
<i>Heterotrissocladius</i>	-	1	-	-	1	1	-	-	-	-	-	1	1	-	-
<i>Paracladius</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Parakiefferiella</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Psectrocladius</i>	-	-	1	-	-	2	1	-	-	4	1	3	9	1	-
<i>Zalutschia</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
S.F. Prodiamesinae															
<i>Monodiamesa</i>	-	1	1	1	-	2	3	3	3	1	3	1	-	5	1
S.F. Tanypodinae															
<i>Ablabesmyia</i>	-	-	-	-	-	-	2	1	1	3	-	-	-	-	-
<i>Procladius</i>	15	10	7	9	6	26	15	20	21	24	9	10	10	11	14
<i>Thienemannimyia</i> complex	-	-	-	-	-	1	-	3	1	1	-	-	-	-	-
F. Empididae															
<i>Chelifera/Neoplasta</i>	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
MOLLUSCS															
P. Mollusca															
CLAMS															
Cl. Bivalvia															
F. Sphaeriidae															
<i>Cyclocalyx/Neopisidium</i>	7	1	18	15	10	54	39	38	48	39	14	18	23	15	16
<i>Cyclocalyx</i>	-	-	1	-	-	15	1	9	9	27	5	1	5	8	2
<i>Sphaerium nitidum</i>	1	-	2	1	2	2	2	3	4	-	2	2	3	1	1

R (Richness) - totals															
Total	10	6	14	11	13	16	17	17	17	15	13	12	18	15	14
Oligochaete	0	0	0	2	1	1	0	2	2	2	0	0	1	0	0
Insect	6	4	8	5	8	9	11	9	8	9	9	8	10	10	9
Mollusc	2	1	3	2	2	3	3	3	3	2	3	3	3	3	3
Other ³	2	1	3	2	2	3	3	3	4	2	1	1	4	2	2
N (Abundance) - raw															
Total	46	28	44	43	78	272	102	294	260	301	54	57	145	119	51
Oligochaete	0	0	0	4	2	1	0	8	3	2	0	0	1	0	0
Insect	33	26	19	20	61	194	53	225	186	225	32	33	106	90	30
Mollusc	8	1	21	16	12	71	42	50	61	66	21	21	31	24	19
Other	5	1	4	3	3	6	7	11	10	8	1	3	7	5	2
N (Abundance) - #/m²															
Total	1000	609	957	935	1696	5913	2217	6391	5652	6543	1174	1239	3152	2587	1109
Oligochaete	0	0	0	87	43	22	0	174	65	43	0	0	22	0	0
Insect	717	565	413	435	1326	4217	1152	4891	4043	4891	696	717	2304	1957	652
Mollusc	174	22	457	348	261	1543	913	1087	1326	1435	457	457	674	522	413
Other	109	22	87	65	65	130	152	239	217	174	22	65	152	109	43
TOTAL NUMBER OF TAXA¹															
TOTAL NUMBER OF ORGANISMS²	10	6	14	11	13	16	17	17	17	15	13	12	18	15	14
	46	28	44	43	78	272	102	294	260	301	54	57	145	119	51

Notes:
¹ Number of taxa totals exclude P. Nemata and Cl. Ostracoda, pupae (Chironomidae) and indeterminates (Acarina).
² Number of organisms totals exclude P. Nemata and Cl. Ostracoda.
³ Other taxa: (Cl. Turbellaria, F. Acalyptonotidae, F. Hygrobatidae, F. Lebertiidae, F. Oxidae, and O. Notostraca).



APPENDIX G

Zooplankton Taxonomy

APPENDIX G1

Zooplankton Taxonomy, Whale Tail Pit Baseline, 2015