

SAMPLE: 9213  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 20.6.2018  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 2/4/2019

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 421 units in 50 Kenttiä at 788x  
 895 units in 1 Mittajana at 250x  
 2643 units in 1 Pohja at 125x

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 CHROOCOCCALES	4	5	50	20821	1041050	8.21	5.21	0.31
2 21 CHROOCOCCALES	5	6	2	20821	41642	0.33	0.25	0.01
2 21 CHROOCOCCALES	6	9	5	20821	104105	0.82	0.94	0.06
2 21 CHROOCOCCALES	7	10	8	20821	166568	1.31	1.67	0.10
2 21 CHROOCOCCALES	9	19	3	20821	62463	0.49	1.19	0.07
2 21 CHROOCOCCALES	11	26	1	20821	20821	0.16	0.54	0.03
2 21 ROMERIA SP.	3	21	5	20821	104105	0.82	2.19	0.13
2 25 ANABAENA SP. 'STRAIGHT'	6	1922	108	100	10800	0.09	20.76	1.23
2 25 ANABAENA SP. 'STRAIGHT'	10	5233	10	100	1000	0.01	5.23	0.31
2 25 ANABAENA SP. 'TWISTED'	4	1049	13	100	1300	0.01	1.36	0.08
2 25 ANABAENA SP. 'TWISTED'	7	1922	8	100	800	0.01	1.54	0.09
4 0 CRYPTOMONADALES	4	151	1	20821	20821	0.16	3.14	0.19
4 0 CRYPTOMONADALES	6	377	1	20821	20821	0.16	7.85	0.47
4 0 CRYPTOMONAS SP.	2	754	4	4084	16336	0.13	12.32	0.73
4 0 CRYPTOMONAS SP.	5	4136	1	100	100	0.00	0.41	0.02
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	4	20821	83284	0.66	7.66	0.46
5 0 DINOPHYCEAE	6	4421	1	4084	4084	0.03	18.06	1.07
5 0 DINOPHYCEAE	7	7235	1	100	100	0.00	0.72	0.04
5 0 DINOPHYCEAE	10	31387	1	100	100	0.00	3.14	0.19
5 0 PERIDIUM SP.	5	16747	10	100	1000	0.01	16.75	1.00
6 62 CHRYSOCHROMULINA SP.	1	9	1	20821	20821	0.16	0.19	0.01
6 62 CHRYSOCHROMULINA SP.	2	17	8	20821	166568	1.31	2.83	0.17
6 62 CHRYSOCHROMULINA SP.	3	25	4	20821	83284	0.66	2.08	0.12
6 63 BITRICHIA CHODATII (REV.) CHOD		226	7	4084	28588	0.23	6.46	0.38
6 63 BITRICHIA SP.		226	1	20821	20821	0.16	4.71	0.28
6 63 CHRYSIDIATRUM CATENATUM LAUT		1281	8	20821	166568	1.31	213.37	12.69
6 63 CHRYSOLYKOS PLANCTONICUS MACK		105	1	20821	20821	0.16	2.19	0.13
6 63 CHRYSOLYKOS SKUJAE (NAUW.) BOU		28	1	20821	20821	0.16	0.58	0.03
6 63 DINOBRYON ACUMINATUM RUTTN.		117	2	20821	41642	0.33	4.87	0.29
6 63 DINOBRYON BAVARICUM IMH.		226	19	100	1900	0.01	0.43	0.03
6 63 DINOBRYON SUBCICUM V. LONGISPI		57	21	20821	437241	3.45	24.92	1.48
6 63 KEPHYRION SP.		92	5	20821	104105	0.82	9.58	0.57
6 63 MALLOMONAS AKROKOMOS RUTTN.	1	1010	1	4084	4084	0.03	4.12	0.25
6 63 MALLOMONAS SP.	3	335	2	20821	41642	0.33	13.95	0.83
6 63 PSEUDOPEDINELLA SP.	1	21	2	20821	41642	0.33	0.87	0.05
6 63 PSEUDOPEDINELLA SP.	2	65	47	20821	978587	7.71	63.61	3.78
6 63 PSEUDOPEDINELLA SP.	3	132	7	20821	145747	1.15	19.24	1.14
6 63 SPINIFEROMONAS SP.	1	65	20	20821	416420	3.28	27.07	1.61
6 63 SPINIFEROMONAS SP.	2	180	6	20821	124926	0.98	22.49	1.34
6 63 UROGLENA SP.	1	105	1	20821	20821	0.16	2.19	0.13
6 65 ASTERIONELLA FORMOSA HASS.	1	540	652	100	65200	0.51	35.21	2.09
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	217	100	21700	0.17	34.07	2.03
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	20	100	2000	0.02	0.75	0.04
6 65 AULACOSEIRA SP.	2	755	811	100	81100	0.64	61.23	3.64
6 65 AULACOSEIRA SP.	3	1570	561	100	56100	0.44	88.08	5.24
6 65 BACILLARIALES	2	135	3	4084	12252	0.10	1.65	0.10
6 65 BACILLARIALES	3	198	2	4084	8168	0.06	1.62	0.10
6 65 BACILLARIALES	8	1980	4	4084	16336	0.13	32.35	1.92
6 65 EUPODISCALES	5	393	3	20821	62463	0.49	24.55	1.46
6 65 EUPODISCALES	7	3140	1	4084	4084	0.03	12.82	0.76
6 65 FRAGILARIA SP.	2	525	33	100	3300	0.03	1.73	0.10
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	79	4084	322636	2.54	425.56	25.31
6 65 SYNEDRA SP.	2	280	13	4084	53092	0.42	14.87	0.88
6 65 SYNEDRA ULNA (NITZSCH) EHR.	2	5760	3	100	300	0.00	1.73	0.10
6 65 SYNEDRA ULNA (NITZSCH) EHR.	3	9800	3	100	300	0.00	2.94	0.17
6 66 GONIOCHLORIS SP.		1465	6	100	600	0.00	0.88	0.05
6 66 OPHIOCYTIUM CAPITATUM WOLLE		2308	1	4084	4084	0.03	9.43	0.56
6 66 PSEUDOSTAURASTRUM LIMNETICUM (		1018	1	4084	4084	0.03	4.16	0.25
6 67 GONYOSTOMUM SP.	1	1444	1	100	100	0.00	0.14	0.01
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	3	4084	12252	0.10	0.87	0.05
7 74 BOTRYOCOCCUS SP.	1	589	2	100	200	0.00	0.12	0.01
7 74 CHLOROCOCCALES	3	204	6	20821	124926	0.98	25.48	1.52
7 74 CHLOROPHYCEAE	1	113	2	20821	41642	0.33	4.71	0.28
7 74 COELASTRUM ASTROIDEUM	2	1528	1	4084	4084	0.03	6.24	0.37
7 74 COELASTRUM CAMBRICUM ARCHER	1	8373	1	100	100	0.00	0.84	0.05
7 74 DICTYOSPHAERIUM PULCHELLUM WO		452	4	4084	16336	0.13	7.38	0.44
7 74 ELAKATOTHRIX GENEVENSIS HIND.	1	7	2	20821	41642	0.33	0.29	0.02
7 74 KIRCHNERIELLA SP.	1	14	4	20821	83284	0.66	1.17	0.07
7 74 KOLIELLA SP.	1	29	748	4084	3054832	24.08	88.59	5.27
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	12	4084	49008	0.39	0.44	0.03
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	15	20821	312315	2.46	9.99	0.59
7 74 MONORAPHIDIUM SP.	1	10	5	20821	104105	0.82	1.04	0.06
7 74 OOCYSTIS SP.	1	59	11	20821	229031	1.81	13.51	0.80
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	14	100	1400	0.01	28.13	1.67
7 74 PEDIASTRUM DUPLEX MEYEN	2	5024	1	100	100	0.00	0.50	0.03
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	2	20821	41642	0.33	18.82	1.12

7 74	PEDIASTRUM SP.		5652	1	100	100	0.00	0.57	0.03
7 74	SCENEDESMUS BICELLULARIS		75	5	20821	104105	0.82	7.81	0.46
7 74	SCENEDESMUS SP.	1	25	2	20821	41642	0.33	1.04	0.06
7 74	VOLVOCALES	3	67	7	4084	28588	0.23	1.92	0.11
7 74	VOLVOCALES	6	904	2	4084	8168	0.06	7.38	0.44
7 75	CLOSTERIUM ACUTUM BREB.		916	2	100	200	0.00	0.18	0.01
7 75	CLOSTERIUM ACUTUM V. VARIABILE		377	144	100	14400	0.11	5.43	0.32
7 75	STAUSTRUM CINGULUM (W.&G.S.W)		7168	1	4084	4084	0.03	29.27	1.74
9 92	FLAGELLATES SPP. AUTO (OVAL)	2	5	1	20821	20821	0.16	0.10	0.01
9 92	FLAGELLATES SPP. AUTO (OVAL)	3	19	8	20821	166568	1.31	3.16	0.19
9 92	FLAGELLATES SPP. AUTO (OVAL)	4	64	3	20821	62463	0.49	4.00	0.24
9 92	FLAGELLATES SPP. AUTO (SPHERE)	2	8	4	20821	83284	0.66	0.67	0.04
9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	21	20821	437241	3.45	14.43	0.86
9 92	MONAD AUTOTROPHIC	2	14	42	20821	874482	6.89	12.24	0.73
9 92	MONAD AUTOTROPHIC	3	24	19	20821	395599	3.12	9.49	0.56
9 92	MONAD AUTOTROPHIC	4	65	44	20821	916124	7.22	59.55	3.54
9 92	MONAD AUTOTROPHIC	6	180	4	20821	83284	0.66	14.99	0.89
9 92	MONAD AUTOTROPHIC	8	502	1	20821	20821	0.16	10.45	0.62
2	CYANOPHYTA - CYANOPHYCEAE			213		1554654	12.26	40.86	2.43
2 21	CHROCOCCALES			74		1540754	12.15	11.97	0.71
2 25	NOSTOCALES			139		13900	0.11	28.89	1.72
4	CRYPTOPHYTA			11		141362	1.11	31.39	1.87
5	DINOPHYTA			13		5284	0.04	38.66	2.30
6	CHRYSOPHYTA			2578		3604948	28.42	1179.51	70.16
6 62	PRYMNESIOPHYCEAE			13		270673	2.13	5.10	0.30
6 63	CHRYSOPHYCEAE			151		2616376	20.63	420.65	25.02
6 65	DIATOMOPHYCEAE			2405		709031	5.59	739.15	43.96
6 66	TRIBOPHYCEAE			8		8768	0.07	14.46	0.86
6 67	RAPHIDOPHYCEAE			1		100	0.00	0.14	0.01
7	CHLOROPHYTA			997		4318186	34.04	261.73	15.57
7 74	CHLOROPHYCEAE			850		4299502	33.89	226.85	13.49
7 75	CONJUGATOPHYCEAE			147		18684	0.15	34.89	2.08
9	OTHER PHYTOPLANKTON			147		3060687	24.13	129.09	7.68
9 92	MONADS AND FLAGELLATES			147		3060687	24.13	129.09	7.68
Total counted:				3959		12685121		1681.25	
Total autotrophs:				3955		12601837	99.34	1673.58	99.54
Total heterotrophs:				4		83284	0.66	7.66	0.46