

SAMPLE: 11085
 PLACE: Littoistenjärvi , yhdistetty N E
 DATE: 18.7.2018
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/18/2019

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 550 units in 5l Kenttiä at 788x
 222 units in 2 Mittajana at 250x
 2805 units in 1 Pohja at 125x

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 APHANOCAPSA SP.	2	305	1	20413	20413	0.16	6.23	0.44
2 21 CHROOCOCCALES	4	5	19	20413	387847	2.99	1.94	0.14
2 21 CHROOCOCCALES	6	9	26	20413	530738	4.09	4.78	0.33
2 21 CHROOCOCCALES	7	10	4	20413	81652	0.63	0.82	0.06
2 21 CHROOCOCCALES	9	19	30	20413	612390	4.72	11.64	0.81
2 21 CHROOCOCCALES	13	42	1	20413	20413	0.16	0.86	0.06
2 21 CHROOCOCCALES	14	47	13	20413	265369	2.05	12.47	0.87
2 21 CHROOCOCCALES	17	59	3	20413	61239	0.47	3.61	0.25
2 21 ROMERIA SP.	3	21	1	20413	20413	0.16	0.43	0.03
2 21 SNOWELLA SP.	3	42	2	20413	40826	0.31	1.71	0.12
2 25 ANABAENA SP. 'STRAIGHT'	5	1308	2221	100	222100	1.71	290.51	20.34
2 25 ANABAENA SP. 'STRAIGHT'	10	5233	113	100	11300	0.09	59.13	4.14
2 25 ANABAENA SP. 'TWISTED'	4	1049	452	100	45200	0.35	47.41	3.32
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	3	2042	6126	0.05	5.89	0.41
2 25 APHANIZOMENON SP.	5	1256	12	2042	24504	0.19	30.78	2.15
4 0 CRYPTOMONADALES	3	94	1	20413	20413	0.16	1.92	0.13
4 0 CRYPTOMONADALES	6	377	18	2042	36756	0.28	13.86	0.97
4 0 CRYPTOMONAS SP.	2	754	4	2042	8168	0.06	6.16	0.43
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	5	20413	102065	0.79	9.39	0.66
5 0 DINOPHYCEAE	2	251	1	20413	20413	0.16	5.12	0.36
5 0 DINOPHYCEAE	4	942	5	2042	10210	0.08	9.62	0.67
5 0 DINOPHYCEAE	6	4421	8	2042	16336	0.13	72.22	5.06
5 0 PERIDINIUM SP.	5	16747	1	100	100	0.00	1.67	0.12
6 62 CHRYSOCHROMULINA SP.	1	9	20	20413	408260	3.15	3.67	0.26
6 62 CHRYSOCHROMULINA SP.	2	17	98	30619	3000662	23.15	51.01	3.57 34 fields
6 62 CHRYSOCHROMULINA SP.	3	25	1	20413	20413	0.16	0.51	0.04
6 63 BITRICHIA SP.	1	226	1	20413	20413	0.16	4.61	0.32
6 63 DINOBRYON BAVARICUM IMH.	1	226	23	2042	46966	0.36	10.61	0.74
6 63 DINOBRYON SP.	1	47	2	20413	40826	0.31	1.92	0.13
6 63 PSEUDOPEDINELLA SP.	2	65	5	20413	102065	0.79	6.63	0.46
6 63 SPINIFEROMONAS SP.	1	65	1	20413	20413	0.16	1.33	0.09
6 63 UROGLENA SP.	1	105	4	20413	81652	0.63	8.57	0.60
6 65 ASTERIONELLA FORMOSA HASS.	1	540	8	2042	16336	0.13	8.82	0.62
6 65 AULACOSEIRA SP.	1	236	5	2042	10210	0.08	2.41	0.17
6 65 AULACOSEIRA SP.	2	755	2	2042	4084	0.03	3.08	0.22
6 65 AULACOSEIRA SP.	3	1570	3	2042	6126	0.05	9.62	0.67
6 65 BACILLARIALES	2	135	5	2042	10210	0.08	1.38	0.10
6 65 BACILLARIALES	3	198	8	2042	16336	0.13	3.23	0.23
6 65 BACILLARIALES	8	1980	1	2042	2042	0.02	4.04	0.28
6 65 EUPODISCALES	4	135	2	20413	40826	0.31	5.51	0.39
6 65 EUPODISCALES	6	1325	3	2042	6126	0.05	8.12	0.57
6 65 EUPODISCALES	7	3140	3	2042	6126	0.05	19.24	1.35
6 65 RHIZOLENIA LONGISETA ZACH.	1	1319	4	2042	8168	0.06	10.77	0.75
6 65 SYNEDRA ACUS KÜTZ.	4	3200	2	100	200	0.00	0.64	0.04
6 65 SYNEDRA SP.	2	280	22	2042	44924	0.35	12.58	0.88
6 66 GONIOCHLORIS SP.	1	1465	1	2042	2042	0.02	2.99	0.21
6 66 OPHIOCYTIUM SP.	2	1696	2	2042	4084	0.03	6.93	0.48
6 66 PSEUDOSTAURASTRUM LIMNETICUM (2	1018	2	2042	4084	0.03	4.16	0.29
6 66 TETRAPLEKTRON TORSUM (SKUJA) D	cf.	13856	3	2042	6126	0.05	84.88	5.94
6 67 GONYOSTOMUM SP.	2	9420	2	100	200	0.00	1.88	0.13
7 71 EUGLENA SP.	1	3224	2	100	200	0.00	0.64	0.05
7 73 NEPHROSELMIS OLIVACEA STEIN E	1	99	2	20413	40826	0.31	4.04	0.28
7 74 BOTRYOCOCCUS SP.	1	589	2	100	200	0.00	0.12	0.01
7 74 BOTRYOCOCCUS SP.	2	3052	1	100	100	0.00	0.31	0.02
7 74 CHLOROCOCCALES	2	24	7	20413	142891	1.10	3.43	0.24
7 74 CHLOROGONIUM MINIMUM PLAYF.	1	126	1	2042	2042	0.02	0.26	0.02
7 74 CHLOROPHYCEAE	1	113	2	20413	40826	0.31	4.61	0.32
7 74 DICTYOSPHAERIUM PULCHELLUM WO	1	452	15	2042	30630	0.24	13.84	0.97
7 74 ELAKATOTHRIX GENEVENSIS HIND.	2	58	2	2042	4084	0.03	0.24	0.02
7 74 KIRCHNERIELLA CONTORTA (SCHMID	1	23	4	20413	81652	0.63	1.88	0.13
7 74 KIRCHNERIELLA SP.	1	14	3	20413	61239	0.47	0.86	0.06
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	3	2042	6126	0.05	0.02	0.00
7 74 LAGERHEIMIA GENEVENSIS (CHOD.)	1	126	6	20413	122478	0.94	15.43	1.08
7 74 MONOMASTIX SP.	1	31	1	20413	20413	0.16	0.63	0.04
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	43	2042	87806	0.68	0.79	0.06
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	6	20413	122478	0.94	3.92	0.27
7 74 OOCYSTIS SP.	1	59	18	20413	367434	2.83	21.68	1.52
7 74 PEDIASTRUM BORYANUM (TURP.) ME	1	20096	3	100	300	0.00	6.03	0.42
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	6	20413	122478	0.94	55.36	3.88
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	2	1256	2	20413	40826	0.31	51.28	3.59
7 74 SCENEDESMUS ARMATUS CHOD.	1	170	1	20413	20413	0.16	3.47	0.24
7 74 SCENEDESMUS QUADRICAUDA (TURP.	2	1182	1	2042	2042	0.02	2.41	0.17
7 74 SCENEDESMUS SP.	1	25	2	20413	40826	0.31	1.02	0.07
7 74 TETRAEDRON CAUDATUM (CORDA) HA	1	139	1	20413	20413	0.16	2.84	0.20
7 74 TETRAEDRON MINIMUM (A.BRAUN) H	1	256	4	20413	81652	0.63	20.90	1.46
7 74 VOLVOCALES	3	67	7	20413	142891	1.10	9.57	0.67

7 74	VOLVOCALES	4	113	1	20413	20413	0.16	2.31	0.16
7 75	CLOSTERIUM ACUTUM BREB.		916	4	100	400	0.00	0.37	0.03
7 75	CLOSTERIUM ACUTUM V. VARIABILE		377	12	2042	24504	0.19	9.24	0.65
7 75	CLOSTERIUM SP.	1	837	1	100	100	0.00	0.08	0.01
7 75	COSMARIUM SP.	3	32499	1	100	100	0.00	3.25	0.23
9 92	FLAGELLATES SPP. AUTO (OVAL)	2	5	14	20413	285782	2.20	1.43	0.10
9 92	FLAGELLATES SPP. AUTO (OVAL)	3	19	48	20413	979824	7.56	18.62	1.30
9 92	FLAGELLATES SPP. AUTO (OVAL)	4	64	39	20413	796107	6.14	50.95	3.57
9 92	FLAGELLATES SPP. AUTO (SPHERE)	2	8	3	20413	61239	0.47	0.49	0.03
9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	25	20413	510325	3.94	16.84	1.18
9 92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	13	20413	265369	2.05	29.99	2.10
9 92	FLAGELLATES SPP. AUTO (SPHERE)	5	321	5	20413	102065	0.79	32.76	2.29
9 92	MONAD AUTOTROPHIC	1	6	2	20413	40826	0.31	0.24	0.02
9 92	MONAD AUTOTROPHIC	2	14	10	20413	204130	1.57	2.86	0.20
9 92	MONAD AUTOTROPHIC	3	24	14	20413	285782	2.20	6.86	0.48
9 92	MONAD AUTOTROPHIC	4	65	44	20413	898172	6.93	58.38	4.09
9 92	MONAD AUTOTROPHIC	6	180	15	20413	306195	2.36	55.12	3.86
9 92	MONAD AUTOTROPHIC	7	188	1	20413	20413	0.16	3.84	0.27
9 92	MONAD AUTOTROPHIC	9	523	3	20413	61239	0.47	32.03	2.24
2	CYANOPHYTA - CYANOPHYCEAE			2901		2350530	18.14	478.20	33.47
2 21	CHROOCOCCALES			100		2041300	15.75	44.48	3.11
2 25	NOSTOCALES			2801		309230	2.39	433.72	30.36
4	CRYPTOPHYTA			28		167402	1.29	31.32	2.19
5	DINOPHYTA			15		47059	0.36	88.64	6.20
6	CHRYSOPHYTA			233		3929920	30.32	279.16	19.54
6 62	PRYMNESIOPHYCEAE			119		3429335	26.46	55.20	3.86
6 63	CHRYSOPHYCEAE			36		312335	2.41	33.68	2.36
6 65	DIATOMOPHYCEAE			68		171714	1.32	89.44	6.26
6 66	TRIBOPHYCEAE			8		16336	0.13	98.96	6.93
6 67	RAPHIDOPHYCEAE			2		200	0.00	1.88	0.13
7	CHLOROPHYTA			164		1648783	12.72	240.83	16.86
7 71	EUGLENOPHYCEAE			2		200	0.00	0.64	0.05
7 73	PRASINOPHYCEAE			2		40826	0.31	4.04	0.28
7 74	CHLOROPHYCEAE			142		1582653	12.21	223.21	15.62
7 75	CONJUGATOPHYCEAE			18		25104	0.19	12.94	0.91
9	OTHER PHYTOPLANKTON			236		4817468	37.17	310.40	21.73
9 92	MONADS AND FLAGELLATES			236		4817468	37.17	310.40	21.73
Total counted:				3577		12961162		1428.56	
Total autotrophs:				3572		12859097	99.21	1419.17	99.34
Total heterotrophs:				5		102065	0.79	9.39	0.66