

SAMPLE: 9625

PLACE: Littoistenjärvi , yhdistetty

N E

DATE: 6.7.2017

DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 1/12/2018

CHAMBER VOLUME=5ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:

426 units in 70 Kenttiä at 788x

383 units in 2 Mittajana at 250x

644 units in 1 Pohja at 125x

COMMENT: Cosmarium sp = C. cf. polygonatum

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 CHROOCOCCALES	4	5	6	29744	178464	1.36	0.89	0.06
2 21 CHROOCOCCALES	6	9	1	29744	29744	0.23	0.27	0.02
2 21 CHROOCOCCALES	11	26	2	29744	59488	0.45	1.55	0.10
2 21 MICROCYSTIS AERUGINOSA (KÜTZ.)	3	26167	1	200	200	0.00	5.23	0.34
2 21 MICROCYSTIS SP.	5	3271	1	200	200	0.00	0.65	0.04
2 21 MICROCYSTIS WESENERBERGII (KOM.)	1	8707	1	200	200	0.00	1.74	0.11
2 21 SNOWELLA SP.	3	42	16	29744	475904	3.63	19.99	1.28
2 24 OSCILLATORIALES	5	6359	1	200	200	0.00	1.27	0.08
2 25 ANABAENA SP. 'STRAIGHT'	6	1922	1	200	200	0.00	0.38	0.02
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	2	200	400	0.00	1.29	0.08
4 0 CRYPTOMONADALES	3	94	1	29744	29744	0.23	2.80	0.18
4 0 CRYPTOMONADALES	4	151	1	29744	29744	0.23	4.49	0.29
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	14	29744	416416	3.18	38.31	2.46
5 0 DINOPHYCEAE	4	942	2	4084	8168	0.06	7.69	0.49
5 0 DINOPHYCEAE	8	10668	1	200	200	0.00	2.13	0.14
6 63 CHRYSOLYKOS PLANCTONICUS MACK	3	105	1	29744	29744	0.23	3.12	0.20
6 63 KEPHYRION SP.	3	92	8	29744	237952	1.82	21.89	1.41
6 63 MALLOMONAS SP.	3	335	1	29744	29744	0.23	9.96	0.64
6 63 PSEUDOPEDINELLA SP.	2	65	10	29744	297440	2.27	19.33	1.24
6 63 SPINIFEROMONAS SP.	1	65	10	29744	297440	2.27	19.33	1.24
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	35	200	7000	0.05	10.99	0.71
6 65 AULACOSEIRA GRANULATA V. ANGUS	2	377	21	200	4200	0.03	1.58	0.10
6 65 AULACOSEIRA SP.	2	755	392	200	78400	0.60	59.19	3.80
6 65 AULACOSEIRA SP.	3	1570	49	200	9800	0.07	15.39	0.99
6 65 BACILLARIALES	1	72	2	29744	59488	0.45	4.28	0.28
6 65 BACILLARIALES	2	135	1	4084	4084	0.03	0.55	0.04
6 65 BACILLARIALES	3	198	57	4084	232788	1.78	46.09	2.96
6 65 EUPODISCALES	7	3140	2	4084	8168	0.06	25.65	1.65
6 65 RHIZOLENIA LONGISETA ZACH.	1	1319	1	200	200	0.00	0.26	0.02
6 65 RHIZOLENIA SP.	1	47	4	29744	118976	0.91	5.59	0.36
6 65 TABELLARIA FLOCCULOSA (ROTH) K	5	3240	2	200	400	0.00	1.30	0.08
6 66 CENTRITRACTUS AFRICANUS FRITS	cf.	294	1	29744	29744	0.23	8.74	0.56
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	1	200	200	0.00	0.20	0.01
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	4	4084	16336	0.12	1.16	0.07
7 74 CHLOROCOCCALES	2	24	2	29744	59488	0.45	1.43	0.09
7 74 CHLOROPHYCEAE	1	113	2	29744	59488	0.45	6.72	0.43
7 74 COELASTRUM MICROPORUM NÄG.	cf.	3215	3	200	600	0.00	1.93	0.12
7 74 ELAKATOTHRIX GENEVENSIS HIND.	2	58	2	4084	8168	0.06	0.47	0.03
7 74 KIRCHNERIELLA SP.	1	14	3	29744	89232	0.68	1.25	0.08
7 74 KOLIELLA LONGISETA HIND.		126	1	4084	4084	0.03	0.51	0.03
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	275	4084	1123100	8.57	4.49	0.29
7 74 KOLIELLA SPIROTAENIA (W. & G.	cf.	393	1	200	200	0.00	0.08	0.01
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	5	29744	148720	1.13	1.34	0.09
7 74 MONORAPHIDIUM CONTORTUM (THUR.	3	26	33	4084	134772	1.03	3.50	0.23
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	9	29744	267696	2.04	24.63	1.58
7 74 OOCYSTIS SP.	2	196	3	29744	89232	0.68	17.49	1.12
7 74 PEDIASTRUM ANGULOSUM (EHR.) ME	1	22687	1	200	200	0.00	4.54	0.29
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	21	200	4200	0.03	84.40	5.42
7 74 PEDIASTRUM DUPLEX MEYEN	1	1963	1	4084	4084	0.03	8.02	0.51
7 74 PEDIASTRUM DUPLEX MEYEN	2	5024	3	200	600	0.00	3.01	0.19
7 74 PEDIASTRUM DUPLEX MEYEN	4	11304	1	200	200	0.00	2.26	0.15
7 74 PEDIASTRUM DUPLEX V. GRACILLIM		5024	1	200	200	0.00	1.00	0.06
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	2	29744	59488	0.45	26.89	1.73
7 74 PEDIASTRUM SP.		5652	1	4084	4084	0.03	23.08	1.48
7 74 SCENEDESMUS SEMPERVIRENS	1	167	1	29744	29744	0.23	4.97	0.32
7 74 SCENEDESMUS SEMPERVIRENS	2	335	2	29744	59488	0.45	19.93	1.28
7 74 SCENEDESMUS SP.	1	25	18	29744	535392	4.08	13.38	0.86
7 74 SCENEDESMUS SP.	7	502	1	29744	29744	0.23	14.93	0.96
7 74 TETRAEDRON CAUDATUM (CORDA) HA	2	500	3	29744	89232	0.68	44.62	2.87
7 74 TETRAEDRON MINIMUM (A.BRAUN) H		256	2	29744	59488	0.45	15.23	0.98
7 75 CLOSTERIUM ACUTUM V. VARIABILE		377	92	200	18400	0.14	6.94	0.45
7 75 CLOSTERIUM SP.	1	837	1	200	200	0.00	0.17	0.01
7 75 COSMARIUM SP.	2	938	2	4084	8168	0.06	7.66	0.49
7 75 STAURASTRUM SP.	2	921	11	200	2200	0.02	2.03	0.13
9 92 FLAGELLATES SPP. AUTO (OVAL)	2	5	2	29744	59488	0.45	0.30	0.02
9 92 FLAGELLATES SPP. AUTO (OVAL)	3	19	17	29744	505648	3.86	9.61	0.62
9 92 FLAGELLATES SPP. AUTO (OVAL)	4	64	3	29744	89232	0.68	5.71	0.37
9 92 FLAGELLATES SPP. AUTO (SPHERE)	2	8	7	29744	208208	1.59	1.67	0.11
9 92 FLAGELLATES SPP. AUTO (SPHERE)	3	33	32	29744	951808	7.26	31.41	2.02
9 92 FLAGELLATES SPP. AUTO (SPHERE)	4	113	6	29744	178464	1.36	20.17	1.30
9 92 FLAGELLATES SPP. AUTO (SPHERE)	5	321	2	29744	59488	0.45	19.10	1.23
9 92 MONAD AUTOTROPHIC	1	6	8	29744	237952	1.82	1.43	0.09
9 92 MONAD AUTOTROPHIC	2	14	22	29744	654368	4.99	9.16	0.59
9 92 MONAD AUTOTROPHIC	3	24	16	29744	475904	3.63	11.42	0.73
9 92 MONAD AUTOTROPHIC	4	65	40	29744	1189760	9.08	77.33	4.97

9	92	MONAD AUTOTROPHIC	5	92	15	29744	446160	3.40	41.05	2.64
9	92	MONAD AUTOTROPHIC	6	180	64	29744	1903616	14.52	342.65	22.01
9	92	MONAD AUTOTROPHIC	9	523	19	29744	565136	4.31	295.57	18.99
2		CYANOPHYTA - CYANOPHYCEAE			32		745000	5.68	33.27	2.14
2	21	CHROOCOCCALES			28		744200	5.68	30.32	1.95
2	24	OSCILLATORIALES			1		200	0.00	1.27	0.08
2	25	NOSTOCALES			3		600	0.00	1.67	0.11
4		CRYPTOPHYTA			16		475904	3.63	45.60	2.93
5		DINOPHYTA			3		8368	0.06	9.83	0.63
6		CHRYSOPHYTA			598		1445768	11.03	253.47	16.28
6	63	CHRYSOPHYCEAE			30		892320	6.81	73.65	4.73
6	65	DIATOMOPHYCEAE			566		523504	3.99	170.88	10.98
6	66	TRIBOPHYCEAE			2		29944	0.23	8.95	0.57
7		CHLOROPHYTA			507		2906228	22.17	348.07	22.36
7	74	CHLOROPHYCEAE			401		2877260	21.95	331.27	21.28
7	75	CONJUGATOPHYCEAE			106		28968	0.22	16.79	1.08
9		OTHER PHYTOPLANKTON			253		7525232	57.42	866.56	55.66
9	92	MONADS AND FLAGELLATES			253		7525232	57.42	866.56	55.66
Total counted:					1409		13106500		1556.79	
Total autotrophs:					1395		12690084	96.82	1518.48	97.54
Total heterotrophs:					14		416416	3.18	38.31	2.46