

SAMPLE: 14545
 PLACE: Littoistenjärvi , yhdistetty N E
 DATE: 29.8.2018
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/29/2019

CHAMBER VOLUME=25ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 432 units in 50 Kenttiä at 788x
 734 units in 2 Mittajana at 250x
 495 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	39	8328	324792	7.73	1.62	0.20
2 21 CHROOCOCCALES	6	9	6	8328	49968	1.19	0.45	0.06
2 21 CHROOCOCCALES	7	10	7	8328	58296	1.39	0.58	0.07
2 21 CHROOCOCCALES	9	19	1	8328	8328	0.20	0.16	0.02
2 21 CHROOCOCCALES	11	26	2	8328	16656	0.40	0.43	0.05
2 21 SNOWELLA SP.	3	42	1	8328	8328	0.20	0.35	0.04
2 21 WORONICHINIA SP.	3	733	1	817	817	0.02	0.60	0.07
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	20	40	800	0.02	2.57	0.32
2 25 ANABAENA SP. 'TWISTED'	9	3215	2	40	80	0.00	0.26	0.03
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	12	40	480	0.01	0.46	0.06
2 25 APHANIZOMENON SP.	3	707	4	40	160	0.00	0.11	0.01
4 0 CRYPTOMONADALES	3	94	5	8328	41640	0.99	3.91	0.49
4 0 CRYPTOMONADALES	4	151	1	8328	8328	0.20	1.26	0.16
4 0 CRYPTOMONADALES	6	377	160	817	130720	3.11	49.28	6.11
4 0 CRYPTOMONAS SP.	2	754	109	817	89053	2.12	67.15	8.32
4 0 CRYPTOMONAS SP.	3	1769	85	817	69445	1.65	122.85	15.23
4 0 CRYPTOMONAS SP.	4	2257	45	817	36765	0.88	82.98	10.29
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	34	8328	283152	6.74	10.48	1.30
4 0 RHODOMONAS LACUSTRIS PASCH.&R	3	122	22	8328	183216	4.36	22.35	2.77
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	10	40	400	0.01	17.67	2.19
5 0 DINOPHYCEAE	4	942	1	817	817	0.02	0.77	0.10
5 0 DINOPHYCEAE	5	2010	7	817	5719	0.14	11.50	1.43
5 0 DINOPHYCEAE	6	4421	1	817	817	0.02	3.61	0.45
5 0 DINOPHYCEAE	10	31387	5	40	200	0.00	6.28	0.78
5 0 PERIDINIUM SP.	5	16747	1	40	40	0.00	0.67	0.08
6 62 CHRYSOCHROMULINA SP.	1	9	1	8328	8328	0.20	0.07	0.01
6 62 CHRYSOCHROMULINA SP.	2	17	93	8328	774504	18.44	13.17	1.63
6 63 CHRYSIDIUM CATENATUM LAUT		1281	2	817	1634	0.04	2.09	0.26
6 63 KEPHYRION SP.		92	1	8328	8328	0.20	0.77	0.09
6 63 MALLOMONAS SP.	3	335	3	8328	24984	0.59	8.37	1.04
6 63 MALLOMONAS SP.	4	837	16	817	13072	0.31	10.94	1.36
6 63 MALLOMONAS SP.	6	3014	1	817	817	0.02	2.46	0.31
6 63 MALLOMONAS TONSURATA TEIL.	1	670	2	817	1634	0.04	1.09	0.14
6 63 PSEUDOPEDINELLA SP.	2	65	11	8328	91608	2.18	5.95	0.74
6 63 SPINIFEROMONAS SP.	1	65	4	8328	33312	0.79	2.17	0.27
6 63 UROGLENA SP.	1	105	33	8328	274824	6.54	28.86	3.58
6 65 ASTERIONELLA FORMOSA HASS.	1	540	210	40	8400	0.20	4.54	0.56
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	5	904	2	817	1634	0.04	1.48	0.18
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	1	817	817	0.02	1.28	0.16
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	138	817	112746	2.68	42.51	5.27
6 65 AULACOSEIRA SP.	2	755	79	817	64543	1.54	48.73	6.04
6 65 BACILLARIALES	2	135	1	817	817	0.02	0.11	0.01
6 65 BACILLARIALES	3	198	6	817	4902	0.12	0.97	0.12
6 65 BACILLARIALES	13	11250	4	40	160	0.00	1.80	0.22
6 65 EUPODISCALES	3	49	3	8328	24984	0.59	1.22	0.15
6 65 EUPODISCALES	6	1325	8	817	6536	0.16	8.66	1.07
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	5	817	4085	0.10	5.39	0.67
6 65 SYNEDRA ACUS KÜTZ.	3	2400	2	40	80	0.00	0.19	0.02
6 65 SYNEDRA ACUS KÜTZ.	4	3200	1	40	40	0.00	0.13	0.02
6 65 SYNEDRA SP.	2	280	1	817	817	0.02	0.23	0.03
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	1	817	817	0.02	0.83	0.10
6 67 GONYOSTOMUM SP.	2	9420	2	40	80	0.00	0.75	0.09
7 71 EUGLENOPHYCEAE		1413	1	817	817	0.02	1.15	0.14
7 71 TRACHELOMONAS SP.	2	1592	4	817	3268	0.08	5.20	0.65
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	38	817	31046	0.74	2.20	0.27
7 74 BOTRYOCOCCUS SP.	1	589	1	40	40	0.00	0.02	0.00
7 74 CHLOROCOCCALES	3	204	3	8328	24984	0.59	5.10	0.63
7 74 CHLOROPHYCEAE	1	113	2	8328	16656	0.40	1.88	0.23
7 74 CHLOROPHYCEAE	2	1072	3	8328	24984	0.59	26.78	3.32
7 74 CLOSTERIOPSIS LONGISSIMA (LEMM	cf.	654	2	40	80	0.00	0.05	0.01
7 74 DICTYOSPHAERIUM PULCHELLUM WO		452	4	817	3268	0.08	1.48	0.18
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	4	817	3268	0.08	0.01	0.00
7 74 MONOMASTIX SP.	1	31	1	8328	8328	0.20	0.26	0.03
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	4	817	3268	0.08	0.03	0.00
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	7	8328	58296	1.39	1.87	0.23
7 74 OOCYSTIS SP.	1	59	1	8328	8328	0.20	0.49	0.06
7 74 OOCYSTIS SP.	2	196	1	8328	8328	0.20	1.63	0.20
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	11	40	440	0.01	8.84	1.10
7 74 PEDIASTRUM DUPLEX MEYEN	2	5024	1	40	40	0.00	0.20	0.02
7 74 PEDIASTRUM DUPLEX MEYEN	5	17663	1	40	40	0.00	0.71	0.09
7 74 PEDIASTRUM TETRAS (EHR.) RALFS	2	1809	1	8328	8328	0.20	15.07	1.87
7 74 SCENEDESMUS ARMATUS CHOD.	3	402	3	817	2451	0.06	0.99	0.12
7 74 SCENEDESMUS SP.	1	25	1	8328	8328	0.20	0.21	0.03
7 74 TETRAEDRON CAUDATUM (CORDA) HA	1	139	1	8328	8328	0.20	1.16	0.14
7 74 TETRASTRUM SP.		247	1	8328	8328	0.20	2.06	0.26
7 74 TREUBARIA SETIGERA (ARCHER) G.		140	4	817	3268	0.08	0.46	0.06

7 75	CLOSTERIUM ACUTUM V. VARIABILE	377	201	40	8040	0.19	3.03	0.38	
7 75	CLOSTERIUM VENUS KÜTZ.	1962	1	40	40	0.00	0.08	0.01	
7 75	COSMARIUM ORNATUM RALFS	cf. 13309	1	40	40	0.00	0.53	0.07	
7 75	COSMARIUM SP.	2	938	1	8328	8328	0.20	7.81	0.97
7 75	STAUROSTRUM SP.	2	921	1	40	40	0.00	0.04	0.00
7 75	STAURODESMUS CUSPIDATUS (BREB.	1696	2	40	80	0.00	0.14	0.02	
9 92	FLAGELLATES SPP. AUTO (OVAL)	2	5	2	8328	16656	0.40	0.08	0.01
9 92	FLAGELLATES SPP. AUTO (OVAL)	3	19	11	8328	91608	2.18	1.74	0.22
9 92	FLAGELLATES SPP. AUTO (OVAL)	4	64	3	8328	24984	0.59	1.60	0.20
9 92	FLAGELLATES SPP. AUTO (SPHERE)	2	8	5	8328	41640	0.99	0.33	0.04
9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	8	8328	66624	1.59	2.20	0.27
9 92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	8	8328	66624	1.59	7.53	0.93
9 92	MONAD AUTOTROPHIC	2	14	35	8328	291480	6.94	4.08	0.51
9 92	MONAD AUTOTROPHIC	3	24	5	8328	41640	0.99	1.00	0.12
9 92	MONAD AUTOTROPHIC	4	65	34	8328	283152	6.74	18.40	2.28
9 92	MONAD AUTOTROPHIC	5	92	1	8328	8328	0.20	0.77	0.09
9 92	MONAD AUTOTROPHIC	6	180	16	8328	133248	3.17	23.98	2.97
9 92	MONAD AUTOTROPHIC	9	523	12	8328	99936	2.38	52.27	6.48
2	CYANOPHYTA - CYANOPHYCEAE		95		468705	11.16	7.60	0.94	
2 21	CHROOCOCCALES		57		467185	11.12	4.20	0.52	
2 25	NOSTOCALES		38		1520	0.04	3.40	0.42	
4	CRYPTOPHYTA		461		842319	20.05	360.25	44.66	
5	DINOPHYTA		25		7993	0.19	40.50	5.02	
6	CHRYSOPHYTA		631		1464503	34.86	194.76	24.15	
6 62	PRYMNESIOPHYCEAE		94		782832	18.64	13.24	1.64	
6 63	CHRYSOPHYCEAE		73		450213	10.72	62.70	7.77	
6 65	DIATOMOPHYCEAE		461		230561	5.49	117.23	14.53	
6 66	TRIBOPHYCEAE		1		817	0.02	0.83	0.10	
6 67	RAPHIDOPHYCEAE		2		80	0.00	0.75	0.09	
7	CHLOROPHYTA		307		251078	5.98	89.47	11.09	
7 71	EUGLENOPHYCEAE		5		4085	0.10	6.36	0.79	
7 74	CHLOROPHYCEAE		95		230425	5.49	71.49	8.86	
7 75	CONJUGATOPHYCEAE		207		16568	0.39	11.63	1.44	
9	OTHER PHYTOPLANKTON		140		1165920	27.76	113.99	14.13	
9 92	MONADS AND FLAGELLATES		140		1165920	27.76	113.99	14.13	
	Total counted:		1659		4200518		806.57		
	Total autotrophs:		1659		4200518	100.00	806.57	100.00	
	Total heterotrophs:		0		0	0.00	0.00	0.00	