

SAMPLE: 10565  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 19.7.2017  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 1/16/2018

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 448 units in 60 Kenttiä at 788x  
 334 units in 2 Mittajana at 250x  
 1938 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	4	17351	69404	0.80	0.35	0.04
2 21 MICROCYSTIS AERUGINOSA (KÜTZ.)	1	6542	1	100	100	0.00	0.65	0.07
2 21 MICROCYSTIS AERUGINOSA (KÜTZ.)	2	13083	1	100	100	0.00	1.31	0.14
2 21 MICROCYSTIS WESENERGII (KOM.)	1	8707	1	100	100	0.00	0.87	0.09
2 21 SNOWELLA SP.	3	42	8	17351	138808	1.61	5.83	0.60
2 24 PSEUDANABAENA SP.		314	3	2042	6126	0.07	1.92	0.20
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	1	100	100	0.00	0.32	0.03
2 25 APHANIZOMENON SP.	3	707	1	100	100	0.00	0.07	0.01
4 0 CRYPTOMONADALES	3	94	3	17351	52053	0.60	4.89	0.51
4 0 CRYPTOMONADALES	4	151	1	17351	17351	0.20	2.62	0.27
4 0 CRYPTOMONADALES	6	377	3	17351	52053	0.60	19.62	2.03
4 0 CRYPTOMONAS SP.	5	4136	1	100	100	0.00	0.41	0.04
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	2	17351	34702	0.40	3.19	0.33
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	4	17351	69404	0.80	2.57	0.27
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	1	100	100	0.00	4.42	0.46
5 0 DINOPHYCEAE	5	2010	2	2042	4084	0.05	8.21	0.85
5 0 DINOPHYCEAE	6	4421	1	2042	2042	0.02	9.03	0.94
5 0 DINOPHYCEAE	10	31387	3	100	300	0.00	9.42	0.98
5 0 GYMNODINIUM SP.	3	183	1	17351	17351	0.20	3.18	0.33
5 0 PERIDIUM SP.	5	16747	2	100	200	0.00	3.35	0.35
6 63 BITRICHIA CHODATII (REV.) CHOD	cf.	226	5	2042	10210	0.12	2.31	0.24
6 63 DINOBYRON ACUMINATUM RUTTN.		117	13	2042	26546	0.31	3.11	0.32
6 63 KEPHYRION SP.		92	2	17351	34702	0.40	3.19	0.33
6 63 MALLOMONAS SP.	3	335	8	17351	138808	1.61	46.50	4.82
6 63 PSEUDOPEDINELLA SP.	1	21	4	17351	69404	0.80	1.46	0.15
6 63 PSEUDOPEDINELLA SP.	2	65	23	17351	399073	4.62	25.94	2.69
6 63 PSEUDOPEDINELLA SP.	3	132	10	17351	173510	2.01	22.90	2.37
6 63 SPINIFEROMONAS SP.	1	65	15	17351	260265	3.01	16.92	1.75
6 65 ASTERIONELLA FORMOSA HASS.	1	540	30	100	3000	0.03	1.62	0.17
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	130	100	13000	0.15	20.41	2.12
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	7	2939	4	100	400	0.00	1.18	0.12
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	17	100	1700	0.02	0.64	0.07
6 65 AULACOSEIRA SP.	2	755	938	100	93800	1.08	70.82	7.34
6 65 AULACOSEIRA SP.	3	1570	310	100	31000	0.36	48.67	5.05
6 65 BACILLARIALES	2	135	1	2042	2042	0.02	0.28	0.03
6 65 BACILLARIALES	3	198	5	2042	10210	0.12	2.02	0.21
6 65 EUPODISCALES	6	1325	1	2042	2042	0.02	2.71	0.28
6 65 EUPODISCALES	7	3140	1	2042	2042	0.02	6.41	0.66
6 65 RHIZOLENIA LONGISETA ZACH.	1	1319	10	2042	20420	0.24	26.93	2.79
6 65 SYNEDRA ACUS KÜTZ.	5	10080	2	100	200	0.00	2.02	0.21
6 65 SYNEDRA ULNA (NITZSCH) EHR.	3	9800	1	100	100	0.00	0.98	0.10
6 65 TABELLARIA FLOCCULOSA (ROTH) K	5	3240	6	100	600	0.01	1.94	0.20
6 66 OPHIOCYTIUM CAPITATUM WOLLE	cf.	2308	9	2042	18378	0.21	42.42	4.40
6 66 PSEUDOSTAURASTRUM LIMNETICUM (		1018	6	100	600	0.01	0.61	0.06
6 66 TRIBOPHYCEAE	2	226	2	17351	34702	0.40	7.84	0.81
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	221	2042	451282	5.22	32.04	3.32
7 74 BOTRYOCOCCUS SP.	2	3052	1	100	100	0.00	0.31	0.03
7 74 CHLOROPHYCEAE	1	113	2	17351	34702	0.40	3.92	0.41
7 74 COELASTRUM CAMBRICUM ARCHER	1	8373	2	100	200	0.00	1.67	0.17
7 74 COELASTRUM RETICULATUM (DANG.)	2	3231	1	100	100	0.00	0.32	0.03
7 74 COELASTRUM SPHAERICUM NÄG.		2872	5	100	500	0.01	1.44	0.15
7 74 ELAKATOTHRIX GENEVENSIS HIND.	3	196	2	2042	4084	0.05	0.80	0.08
7 74 KIRCHNERIELLA SP.	1	14	5	17351	86755	1.00	1.21	0.13
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	22	2042	44924	0.52	0.18	0.02
7 74 MONOMASTIX SP.	1	31	88	17351	1526888	17.66	47.33	4.91
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	26	2042	53092	0.61	0.48	0.05
7 74 MONORAPHIDIUM DYBOWSKII (WOLOS	2	84	7	17351	121457	1.40	10.20	1.06
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	5	17351	86755	1.00	2.78	0.29
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	1	17351	17351	0.20	1.60	0.17
7 74 MONORAPHIDIUM SP.	1	10	3	17351	52053	0.60	0.52	0.05
7 74 PEDIASTRUM ANGULOSUM (EHR.) ME	1	22687	1	100	100	0.00	2.27	0.24
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	20	100	2000	0.02	40.19	4.17
7 74 PEDIASTRUM DUPLEX MEYEN	1	1963	1	2042	2042	0.02	4.01	0.42
7 74 PEDIASTRUM DUPLEX MEYEN	2	5024	1	100	100	0.00	0.50	0.05
7 74 PEDIASTRUM DUPLEX MEYEN	3	9499	1	100	100	0.00	0.95	0.10
7 74 PEDIASTRUM DUPLEX MEYEN	4	11304	1	100	100	0.00	1.13	0.12
7 74 PEDIASTRUM DUPLEX MEYEN	5	17663	1	100	100	0.00	1.77	0.18
7 74 PEDIASTRUM DUPLEX V. GRACILLIM		5024	1	100	100	0.00	0.50	0.05
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	1	17351	17351	0.20	7.84	0.81
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	2	1256	2	2042	4084	0.05	5.13	0.53
7 74 SCENEDESMUS ACULEOLATUS REINS	1	308	2	17351	34702	0.40	10.69	1.11
7 74 SCENEDESMUS BICELLULARIS		75	8	17351	138808	1.61	10.41	1.08
7 74 SCENEDESMUS SEMPERVIRENS	1	167	3	17351	52053	0.60	8.69	0.90
7 74 SCENEDESMUS SEMPERVIRENS	2	335	1	17351	17351	0.20	5.81	0.60
7 74 SCENEDESMUS SP.	1	25	1	17351	17351	0.20	0.43	0.04
7 74 SCENEDESMUS SP.	5	264	1	17351	17351	0.20	4.58	0.47

7 74	SPHAEROCYSTIS SCHROETERI	CHOD	1	998	8	2042	16336	0.19	16.30	1.69
7 74	TETRAEDRON MINIMUM (A.BRAUN)	H		256	3	17351	52053	0.60	13.33	1.38
7 75	CLOSTERIUM ACUTUM	BREB.		916	1	100	100	0.00	0.09	0.01
7 75	CLOSTERIUM ACUTUM	V. VARIABILE		377	429	100	42900	0.50	16.17	1.68
7 75	STAUSTRUM CHAETOCERAS	(SCHRÖ	2	1601	9	100	900	0.01	1.44	0.15
7 75	STAUSTRUM CINGULUM	(W.&G.S.W		7168	8	100	800	0.01	5.73	0.59
9 92	FLAGELLATES SPP.	AUTO (OVAL)	2	5	12	17351	208212	2.41	1.04	0.11
9 92	FLAGELLATES SPP.	AUTO (OVAL)	3	19	46	17351	798146	9.23	15.16	1.57
9 92	FLAGELLATES SPP.	AUTO (OVAL)	4	64	16	17351	277616	3.21	17.77	1.84
9 92	FLAGELLATES SPP.	AUTO (OVAL)	5	181	2	17351	34702	0.40	6.28	0.65
9 92	FLAGELLATES SPP.	AUTO (SPHERE)	2	8	13	17351	225563	2.61	1.80	0.19
9 92	FLAGELLATES SPP.	AUTO (SPHERE)	3	33	26	17351	451126	5.22	14.89	1.54
9 92	FLAGELLATES SPP.	AUTO (SPHERE)	4	113	41	17351	711391	8.23	80.39	8.33
9 92	FLAGELLATES SPP.	AUTO (SPHERE)	5	321	2	17351	34702	0.40	11.14	1.15
9 92	MONAD AUTOTROPHIC		2	14	19	17351	329669	3.81	4.62	0.48
9 92	MONAD AUTOTROPHIC		3	24	2	17351	34702	0.40	0.83	0.09
9 92	MONAD AUTOTROPHIC		4	65	31	17351	537881	6.22	34.96	3.62
9 92	MONAD AUTOTROPHIC		6	180	14	17351	242914	2.81	43.72	4.53
9 92	MONAD AUTOTROPHIC		9	523	3	17351	52053	0.60	27.22	2.82
2	CYANOPHYTA - CYANOPHYCEAE				20		214838	2.48	11.33	1.17
2 21	CHROOCOCCALES				15		208512	2.41	9.01	0.93
2 24	OSCILLATORIALES				3		6126	0.07	1.92	0.20
2 25	NOSTOCALES				2		200	0.00	0.39	0.04
4	CRYPTOPHYTA				14		225663	2.61	33.31	3.45
5	DINOPHYTA				10		24077	0.28	37.60	3.90
6	CHRYSOPHYTA				1553		1346754	15.57	359.82	37.30
6 63	CHRYSOPHYCEAE				80		1112518	12.87	122.32	12.68
6 65	DIATOMOPHYCEAE				1456		180556	2.09	186.62	19.35
6 66	TRIBOPHYCEAE				17		53680	0.62	50.87	5.27
7	CHLOROPHYTA				895		2897025	33.50	262.78	27.24
7 74	CHLOROPHYCEAE				448		2852325	32.99	239.34	24.81
7 75	CONJUGATOPHYCEAE				447		44700	0.52	23.44	2.43
9	OTHER PHYTOPLANKTON				227		3938677	45.55	259.83	26.93
9 92	MONADS AND FLAGELLATES				227		3938677	45.55	259.83	26.93
Total counted:					2719		8647034		964.67	
Total autotrophs:					2717		8612332	99.60	961.47	99.67
Total heterotrophs:					2		34702	0.40	3.19	0.33