

SAMPLE: 14690  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 17.8.2017  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 1/22/2018

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 423 units in 50 Kenttiä at 788x  
 529 units in 2 Mittajana at 250x  
 228 units in 1 Pohja at 125x

COMMENT: Näytteessä oli jonkin verran benttisiä piilevieä, mm. Surirella robusta.

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 CHROOCOCCALES	4	5	23	20821	478883	4.84	2.39	0.18
2 21 CHROOCOCCALES	6	9	1	20821	20821	0.21	0.19	0.01
2 21 CHROOCOCCALES	7	10	7	20821	145747	1.47	1.46	0.11
2 21 CHROOCOCCALES	9	19	1	20821	20821	0.21	0.40	0.03
2 21 CHROOCOCCALES	11	26	2	20821	41642	0.42	1.08	0.08
2 21 SNOWELLA SP.	1	10	1	20821	20821	0.21	0.21	0.02
2 21 SNOWELLA SP.	3	42	5	20821	104105	1.05	4.37	0.33
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	1	100	100	0.00	0.32	0.02
4 0 CRYPTOMONADALES	2	24	1	20821	20821	0.21	0.50	0.04
4 0 CRYPTOMONADALES	4	151	1	20821	20821	0.21	3.14	0.24
4 0 CRYPTOMONADALES	6	377	3	20821	62463	0.63	23.55	1.76
4 0 CRYPTOMONAS SP.	2	754	2	2042	4084	0.04	3.08	0.23
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	1	20821	20821	0.21	1.92	0.14
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	9	20821	187389	1.89	6.93	0.52
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	16	100	1600	0.02	70.68	5.29
5 0 DINOPHYCEAE	4	942	1	2042	2042	0.02	1.92	0.14
5 0 PERIDINIUM SP.	5	16747	3	100	300	0.00	5.02	0.38
5 0 PERIDINIUM SP.	6	29910	5	100	500	0.01	14.96	1.12
6 63 BITRICHIA CHODATII (REV.) CHOD		226	22	2042	44924	0.45	10.15	0.76
6 63 DINOBRYON ACUMINATUM RUTTN.		117	14	2042	28588	0.29	3.34	0.25
6 63 DINOBRYON DIVERGENS IMH.		153	130	100	13000	0.13	1.99	0.15
6 63 MALLOMONAS SP.	4	837	17	2042	34714	0.35	29.06	2.18
6 63 MALLOMONAS SP.	6	3014	1	100	100	0.00	0.30	0.02
6 63 PSEUDOPEDINELLA SP.	2	65	8	20821	166568	1.68	10.83	0.81
6 63 SPINIFEROMONAS SP.	1	65	8	20821	166568	1.68	10.83	0.81
6 65 ASTERIONELLA FORMOSA HASS.	1	540	175	2042	357350	3.61	192.97	14.45
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	4	650	30	2042	61260	0.62	39.82	2.98
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	7	2042	14294	0.14	22.44	1.68
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	5	2042	10210	0.10	3.85	0.29
6 65 AULACOSEIRA SP.	2	755	116	2042	236872	2.40	178.84	13.40
6 65 BACILLARIALES	2	135	1	2042	2042	0.02	0.28	0.02
6 65 BACILLARIALES	3	198	8	2042	16336	0.17	3.23	0.24
6 65 BACILLARIALES	8	1980	2	2042	4084	0.04	8.09	0.61
6 65 EUPODISCALES	5	393	2	20821	41642	0.42	16.37	1.23
6 65 EUPODISCALES	6	1325	2	2042	4084	0.04	5.41	0.41
6 65 EUPODISCALES	7	3140	1	2042	2042	0.02	6.41	0.48
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	2	2042	4084	0.04	5.39	0.40
6 65 SYNEDRA ACUS KÜTZ.	4	3200	9	100	900	0.01	2.88	0.22
6 65 SYNEDRA ACUS KÜTZ.	5	10080	1	100	100	0.00	1.01	0.08
6 65 TABELLARIA FLOCCULOSA (ROTH) K	5	3240	20	100	2000	0.02	6.48	0.49
6 66 OPHIOCYTIUM CAPITATUM WOLLE		2308	10	2042	20420	0.21	47.13	3.53
6 66 PSEUDOSTAURASTRUM LIMNETICUM (		1018	4	2042	8168	0.08	8.32	0.62
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	6	2042	12252	0.12	0.87	0.07
7 74 BOTRYOCOCCUS SP.	2	3052	3	2042	6126	0.06	18.70	1.40
7 74 CHLOROCOCCALES	1	8	32	20821	666272	6.74	5.33	0.40
7 74 CHLOROCOCCALES	3	204	4	20821	83284	0.84	16.99	1.27
7 74 CHLOROPHYCEAE	1	113	3	20821	62463	0.63	7.06	0.53
7 74 COELASTRUM ASTROIDEUM	2	1528	4	2042	8168	0.08	12.48	0.93
7 74 DICTYOSPHAERIUM PULCHELLUM WO		452	42	2042	85764	0.87	38.77	2.90
7 74 KIRCHNERIELLA CONTORTA (SCHMID		23	32	20821	666272	6.74	15.32	1.15
7 74 KIRCHNERIELLA OBESA (W.WEST) S	cf.	132	2	20821	41642	0.42	5.50	0.41
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	6	20821	124926	1.26	0.50	0.04
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	18	2042	36756	0.37	0.33	0.02
7 74 MONORAPHIDIUM DYBOWSKII (WOLOS	2	84	9	20821	187389	1.89	15.74	1.18
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	3	20821	62463	0.63	5.75	0.43
7 74 MONORAPHIDIUM SP.	1	10	9	20821	187389	1.89	1.87	0.14
7 74 OOCYSTIS SP.	1	59	11	20821	229031	2.32	13.51	1.01
7 74 OOCYSTIS SP.	2	196	6	20821	124926	1.26	24.49	1.83
7 74 PEDIASTRUM ANGULOSUM (EHR.) ME	1	22687	2	100	200	0.00	4.54	0.34
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	34	100	3400	0.03	68.33	5.12
7 74 PEDIASTRUM DUPLEX MEYEN	1	1963	2	2042	4084	0.04	8.02	0.60
7 74 PEDIASTRUM DUPLEX MEYEN	3	9499	3	100	300	0.00	2.85	0.21
7 74 PEDIASTRUM DUPLEX MEYEN	5	17663	1	100	100	0.00	1.77	0.13
7 74 PEDIASTRUM DUPLEX V. GRACILLIM		5024	1	100	100	0.00	0.50	0.04
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	2	20821	41642	0.42	18.82	1.41
7 74 PSEUDOSPHAEROCYSTIS LACUSTRIS	1	1072	2	2042	4084	0.04	4.38	0.33
7 74 SCENEDESMUS BICELLULARIS		75	6	20821	124926	1.26	9.37	0.70
7 74 SCENEDESMUS OBTUSUS MEYEN		1658	2	2042	4084	0.04	6.77	0.51
7 74 SCENEDESMUS SP.	1	25	1	20821	20821	0.21	0.52	0.04
7 74 SCENEDESMUS SP.	2	50	1	20821	20821	0.21	1.04	0.08
7 74 SCENEDESMUS SP.	4	151	2	20821	41642	0.42	6.29	0.47
7 74 TETRAEDRON MINIMUM (A.BRAUN) H		256	4	20821	83284	0.84	21.32	1.60
7 74 TETRASTRUM SP.		247	3	20821	62463	0.63	15.43	1.16
7 75 CLOSTERIUM ACUTUM V. VARIABILE		377	26	2042	53092	0.54	20.02	1.50
7 75 STAURASTRUM SP.	2	921	4	2042	8168	0.08	7.52	0.56

7	75	STAURODESMUS DEJECTUS (BRÉB.)	1616	1	2042	2042	0.02	3.30	0.25	
9	92	FLAGELLATES SPP. AUTO (OVAL)	2	5	11	20821	229031	2.32	1.15	0.09
9	92	FLAGELLATES SPP. AUTO (OVAL)	3	19	20	20821	416420	4.21	7.91	0.59
9	92	FLAGELLATES SPP. AUTO (OVAL)	4	64	1	20821	20821	0.21	1.33	0.10
9	92	FLAGELLATES SPP. AUTO (SPHERE)	2	8	34	20821	707914	7.16	5.66	0.42
9	92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	16	20821	333136	3.37	10.99	0.82
9	92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	3	20821	62463	0.63	7.06	0.53
9	92	MONAD AUTOTROPHIC	1	6	7	20821	145747	1.47	0.87	0.07
9	92	MONAD AUTOTROPHIC	2	14	51	20821	1061871	10.74	14.87	1.11
9	92	MONAD AUTOTROPHIC	3	24	12	20821	249852	2.53	6.00	0.45
9	92	MONAD AUTOTROPHIC	4	65	31	20821	645451	6.53	41.95	3.14
9	92	MONAD AUTOTROPHIC	5	92	3	20821	62463	0.63	5.75	0.43
9	92	MONAD AUTOTROPHIC	6	180	24	20821	499704	5.05	89.95	6.74
2		CYANOPHYTA - CYANOPHYCEAE		41			832940	8.42	10.42	0.78
2	21	CHROOCOCCALES		40			832840	8.42	10.10	0.76
2	25	NOSTOCALES		1			100	0.00	0.32	0.02
4		CRYPTOPHYTA		17			316399	3.20	39.12	2.93
5		DINOPHYTA		25			4442	0.04	92.59	6.94
6		CHRYSOPHYTA		595			1240350	12.54	615.40	46.10
6	63	CHRYSOPHYCEAE		200			454462	4.60	66.50	4.98
6	65	DIATOMOPHYCEAE		381			757300	7.66	493.46	36.96
6	66	TRIBOPHYCEAE		14			28588	0.29	55.44	4.15
7		CHLOROPHYTA		287			3060376	30.95	383.98	28.76
7	74	CHLOROPHYCEAE		256			2997074	30.31	353.14	26.45
7	75	CONJUGATOPHYCEAE		31			63302	0.64	30.84	2.31
9		OTHER PHYTOPLANKTON		213			4434873	44.84	193.49	14.49
9	92	MONADS AND FLAGELLATES		213			4434873	44.84	193.49	14.49
		Total counted:		1178			9889380		1334.99	
		Total autotrophs:		1177			9868559	99.79	1333.08	99.86
		Total heterotrophs:		1			20821	0.21	1.92	0.14