

SAMPLE: 14688
 PLACE: Littoistenjärvi , yhdistetty N E
 DATE: 3.8.2017
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 1/18/2018

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 504 units in 50 Kenttiä at 788x
 327 units in 2 Mittajana at 250x
 3048 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	17	20821	353957	3.09	1.77	0.10
2 21 CHROOCOCCALES	6	9	1	20821	20821	0.18	0.19	0.01
2 21 CHROOCOCCALES	7	10	1	20821	20821	0.18	0.21	0.01
2 21 SNOWELLA SP.	3	42	3	20821	62463	0.55	2.62	0.15
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	4	100	400	0.00	1.29	0.07
2 25 ANABAENA SP. 'STRAIGHT'	10	5233	2	100	200	0.00	1.05	0.06
4 0 CRYPTOMONADALES	2	24	3	20821	62463	0.55	1.50	0.09
4 0 CRYPTOMONADALES	6	377	2	20821	41642	0.36	15.70	0.91
4 0 CRYPTOMONAS SP.	2	754	5	2042	10210	0.09	7.70	0.45
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	13	20821	270673	2.36	24.90	1.45
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	73	20821	1519933	13.28	56.24	3.27
4 0 RHODOMONAS LACUSTRIS PASCH.&R	3	122	4	20821	83284	0.73	10.16	0.59
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	1	100	100	0.00	4.42	0.26
5 0 DINOPHYCEAE	4	942	11	2042	22462	0.20	21.16	1.23
5 0 DINOPHYCEAE	5	2010	15	2042	30630	0.27	61.57	3.58
5 0 DINOPHYCEAE	8	10668	3	2042	6126	0.05	65.35	3.80
5 0 GYMNODINIUM SP.	4	412	1	20821	20821	0.18	8.58	0.50
5 0 PERIDINIUM SP.	5	16747	2	100	200	0.00	3.35	0.19
6 62 CHRYSOCHROMULINA SP.	1	9	1	20821	20821	0.18	0.19	0.01
6 63 BITRICHIA CHODATII (REV.) CHOD		226	4	2042	8168	0.07	1.85	0.11
6 63 CHRYSIDIATRUM CATENATUM LAUT		1281	4	20821	83284	0.73	106.69	6.21
6 63 CHRYSOLYKOS PLANCTONICUS MACK		105	2	20821	41642	0.36	4.37	0.25
6 63 DINOBYRON ACUMINATUM RUTTN.		117	38	2042	77596	0.68	9.08	0.53
6 63 DINOBYRON DIVERGENS IMH.		153	685	100	68500	0.60	10.48	0.61
6 63 KEPHYRION SP.		92	2	20821	41642	0.36	3.83	0.22
6 63 MALLOMONAS SP.	4	837	10	2042	20420	0.18	17.09	0.99
6 63 MALLOMONAS SP.	5	1039	2	2042	4084	0.04	4.24	0.25
6 63 PSEUDOPEDINELLA SP.	1	21	4	20821	83284	0.73	1.75	0.10
6 63 PSEUDOPEDINELLA SP.	2	65	15	20821	312315	2.73	20.30	1.18
6 63 SPINIFEROMONAS SP.	1	65	4	20821	83284	0.73	5.41	0.31
6 65 ASTERIONELLA FORMOSA HASS.	1	540	207	100	20700	0.18	11.18	0.65
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	147	100	14700	0.13	23.08	1.34
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	10	100	1000	0.01	0.38	0.02
6 65 AULACOSEIRA SP.	2	755	1110	100	111000	0.97	83.81	4.88
6 65 AULACOSEIRA SP.	3	1570	615	100	61500	0.54	96.56	5.62
6 65 AULACOSEIRA SP.	4	4019	5	100	500	0.00	2.01	0.12
6 65 BACILLARIALES	1	72	1	20821	20821	0.18	1.50	0.09
6 65 BACILLARIALES	2	135	3	2042	6126	0.05	0.83	0.05
6 65 BACILLARIALES	3	198	7	2042	14294	0.12	2.83	0.16
6 65 EUPODISCALES	4	135	1	20821	20821	0.18	2.81	0.16
6 65 EUPODISCALES	7	3140	2	2042	4084	0.04	12.82	0.75
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	77	2042	157234	1.37	207.39	12.06
6 65 SYNEDRA ACUS KÜTZ.	5	10080	82	100	8200	0.07	82.66	4.81
6 65 SYNEDRA ULNA (NITZSCH) EHR.	3	9800	2	100	200	0.00	1.96	0.11
6 65 TABELLARIA FLOCCULOSA (ROTH) K	5	3240	23	100	2300	0.02	7.45	0.43
6 66 GONIOCHLORIS FALLAX FOTT		3395	3	2042	6126	0.05	20.80	1.21
6 66 OPHIOCYTIUM CAPITATUM WOLLE		2308	12	2042	24504	0.21	56.56	3.29
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	4	2042	8168	0.07	8.32	0.48
6 67 GONYOSTOMUM LATUM IWAN.	2	10885	1	100	100	0.00	1.09	0.06
7 71 EUGLAENA SP.	1	3224	1	100	100	0.00	0.32	0.02
7 71 PHACUS SP.	1	1319	1	2042	2042	0.02	2.69	0.16
7 71 PHACUS TORTUS (LEMM.) SKV.		11137	3	100	300	0.00	3.34	0.19
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	1	2042	2042	0.02	0.14	0.01
7 74 BOTRYOCOCCUS SP.	1	589	2	100	200	0.00	0.12	0.01
7 74 CHLOROCOCCALES	2	24	4	20821	83284	0.73	2.00	0.12
7 74 CHLOROPHYCEAE	1	113	3	20821	62463	0.55	7.06	0.41
7 74 COELASTRUM RETICULATUM (DANG.)	2	3231	1	100	100	0.00	0.32	0.02
7 74 COELASTRUM SPHAERICUM NÄG.		2872	1	2042	2042	0.02	5.86	0.34
7 74 DICTYOSPHAERIUM EHRENBERGIANUM		366	1	20821	20821	0.18	7.62	0.44
7 74 ELAKATOTHRIX GENEVENSIS HIND.	3	196	4	2042	8168	0.07	1.60	0.09
7 74 KIRCHNERIELLA SP.	1	14	41	20821	853661	7.46	11.95	0.70
7 74 KOLIELLA LONGISETA HIND.		126	3	2042	6126	0.05	0.77	0.04
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	50	20821	1041050	9.10	4.16	0.24
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	18	2042	36756	0.32	0.33	0.02
7 74 MONORAPHIDIUM CONTORTUM (THUR.	3	26	95	2042	193990	1.69	5.04	0.29
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	5	20821	104105	0.91	3.33	0.19
7 74 OOCYSTIS SP.	1	59	7	20821	145747	1.27	8.60	0.50
7 74 PEDIASTRUM BIRADIATUM MEYEN		5888	1	100	100	0.00	0.59	0.03
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	22	100	2200	0.02	44.21	2.57
7 74 PEDIASTRUM DUPLEX MEYEN	1	1963	2	100	200	0.00	0.39	0.02
7 74 PEDIASTRUM DUPLEX MEYEN	3	9499	2	100	200	0.00	1.90	0.11
7 74 PEDIASTRUM DUPLEX MEYEN	5	17663	1	100	100	0.00	1.77	0.10
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	1	20821	20821	0.18	9.41	0.55
7 74 SCENEDESMUS ACULEOLATUS REINS	1	308	1	20821	20821	0.18	6.41	0.37
7 74 SCENEDESMUS ARMATUS CHOD.	4	1206	4	2042	8168	0.07	9.85	0.57
7 74 SCENEDESMUS BICELLULARIS		75	14	20821	291494	2.55	21.86	1.27

7 74	SCENEDESMUS DIMORPHUS (TURP.)	916	1	2042	2042	0.02	1.87	0.11
7 74	SCENEDESMUS OBTUSUS MEYEN	1658	1	2042	2042	0.02	3.39	0.20
7 74	SCENEDESMUS SEMPERVIRENS	335	1	20821	20821	0.18	6.98	0.41
7 74	SCENEDESMUS SP.	25	3	20821	62463	0.55	1.56	0.09
7 74	SCENEDESMUS SP.	301	1	20821	20821	0.18	6.27	0.36
7 74	SPERMATOPHYTES EXULTANS KORSH	19	9	20821	187389	1.64	3.56	0.21
7 74	SPHAEROCYSTIS SCHROETERI CHOD	998	1	20821	20821	0.18	20.78	1.21
7 74	TETRAEDRON MINIMUM (A.BRAUN) H	256	1	20821	20821	0.18	5.33	0.31
7 75	CLOSTERIUM ACUTUM BREB.	916	2	100	200	0.00	0.18	0.01
7 75	CLOSTERIUM ACUTUM V. VARIABILE	377	113	100	11300	0.10	4.26	0.25
7 75	COSMARIUM TENUE ARCH.	901	5	20821	104105	0.91	93.80	5.46
7 75	STAUSTRUM CINGULUM (W.&G.S.W)	7168	1	2042	2042	0.02	14.64	0.85
7 75	STAUSTRUM SP.	921	1	2042	2042	0.02	1.88	0.11
7 75	STAURODESMUS DEJECTUS (BRÉB.)	1616	1	100	100	0.00	0.16	0.01
9 92	FLAGELLATES SPP. AUTO (OVAL)	5	10	20821	208210	1.82	1.04	0.06
9 92	FLAGELLATES SPP. AUTO (OVAL)	19	31	20821	645451	5.64	12.26	0.71
9 92	FLAGELLATES SPP. AUTO (OVAL)	64	13	20821	270673	2.36	17.32	1.01
9 92	FLAGELLATES SPP. AUTO (SPHERE)	8	18	20821	374778	3.27	3.00	0.17
9 92	FLAGELLATES SPP. AUTO (SPHERE)	33	27	20821	562167	4.91	18.55	1.08
9 92	FLAGELLATES SPP. AUTO (SPHERE)	113	8	20821	166568	1.46	18.82	1.09
9 92	FLAGELLATES SPP. AUTO (SPHERE)	321	11	20821	229031	2.00	73.52	4.28
9 92	MONAD AUTOTROPHIC	6	1	20821	20821	0.18	0.12	0.01
9 92	MONAD AUTOTROPHIC	14	21	20821	437241	3.82	6.12	0.36
9 92	MONAD AUTOTROPHIC	24	5	20821	104105	0.91	2.50	0.15
9 92	MONAD AUTOTROPHIC	65	32	20821	666272	5.82	43.31	2.52
9 92	MONAD AUTOTROPHIC	92	3	20821	62463	0.55	5.75	0.33
9 92	MONAD AUTOTROPHIC	180	22	20821	458062	4.00	82.45	4.80
9 92	MONAD AUTOTROPHIC	523	1	20821	20821	0.18	10.89	0.63
2	CYANOPHYTA - CYANOPHYCEAE		28		458662	4.01	7.12	0.41
2 21	CHROOCOCCALES		22		458062	4.00	4.79	0.28
2 25	NOSTOCALES		6		600	0.01	2.33	0.14
4	CRYPTOPHYTA		100		1988205	17.37	116.20	6.76
5	DINOPHYTA		33		80339	0.70	164.42	9.56
6	CHRYSOPHYTA		3083		1327418	11.60	809.29	47.08
6 62	PRYMNESIOPHYCEAE		1		20821	0.18	0.19	0.01
6 63	CHRYSOPHYCEAE		770		824219	7.20	185.09	10.77
6 65	DIATOMOPHYCEAE		2292		443480	3.87	537.25	31.25
6 66	TRIBOPHYCEAE		19		38798	0.34	85.67	4.98
6 67	RAPHIDOPHYCEAE		1		100	0.00	1.09	0.06
7	CHLOROPHYTA		430		3364110	29.39	326.32	18.98
7 71	EUGLENOPHYCEAE		5		2442	0.02	6.36	0.37
7 74	CHLOROPHYCEAE		302		3241879	28.32	205.05	11.93
7 75	CONJUGATOPHYCEAE		123		119789	1.05	114.92	6.69
9	OTHER PHYTOPLANKTON		203		4226663	36.93	295.66	17.20
9 92	MONADS AND FLAGELLATES		203		4226663	36.93	295.66	17.20
	Total counted:		3877		11445397		1719.02	
	Total autotrophs:		3864		11174724	97.64	1694.11	98.55
	Total heterotrophs:		13		270673	2.36	24.90	1.45