

SAMPLE: 10152  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 5.7.5018  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/24/2019

CHAMBER VOLUME=3ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 472 units in 60 Kenttiä at 788x  
 552 units in 2 Mittajana at 250x  
 328 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	81	57835	4684635	15.03	23.42	0.63
2 21 CHROOCOCCALES	6	9	55	57835	3180925	10.21	28.63	0.77
2 21 CHROOCOCCALES	7	10	25	57835	1445875	4.64	14.46	0.39
2 21 CHROOCOCCALES	9	19	29	57835	1677215	5.38	31.87	0.86
2 21 CHROOCOCCALES	11	26	15	57835	867525	2.78	22.56	0.61
2 21 CHROOCOCCALES	14	47	7	57835	404845	1.30	19.03	0.51
2 21 ROMERIA SP.	1	6	1	57835	57835	0.19	0.35	0.01
2 21 SNOWELLA SP.	3	42	3	57835	173505	0.56	7.29	0.20
2 21 SNOWELLA SP.	5	84	1	57835	57835	0.19	4.86	0.13
2 25 ANABAENA SP. 'STRAIGHT'	6	1922	46	333	15318	0.05	29.44	0.79
2 25 ANABAENA SP. 'TWISTED'	4	1049	15	333	4995	0.02	5.24	0.14
2 25 ANABAENA SP. 'TWISTED'	9	3215	12	333	3996	0.01	12.85	0.35
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	5	333	1665	0.01	1.60	0.04
2 25 APHANIZOMENON SP.	5	1256	17	333	5661	0.02	7.11	0.19
4 0 CRYPTOMONADALES	6	377	2	6807	13614	0.04	5.13	0.14
4 0 CRYPTOMONAS SP.	2	754	1	6807	6807	0.02	5.13	0.14
4 0 CRYPTOMONAS SP.	3	1769	1	6807	6807	0.02	12.04	0.32
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	1	57835	57835	0.19	5.32	0.14
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	1	57835	57835	0.19	2.14	0.06
5 0 DINOPHYCEAE	4	942	3	6807	20421	0.07	19.24	0.52
5 0 DINOPHYCEAE	6	4421	2	333	666	0.00	2.94	0.08
5 0 DINOPHYCEAE	7	7235	6	333	1998	0.01	14.46	0.39
5 0 DINOPHYCEAE	9	14067	5	333	1665	0.01	23.42	0.63
5 0 PERIDINIUM SP.	5	16747	4	333	1332	0.00	22.31	0.60
6 62 CHRYSOCHROMULINA SP.	1	9	20	57835	1156700	3.71	10.41	0.28
6 62 CHRYSOCHROMULINA SP.	2	17	28	57835	1619380	5.20	27.53	0.74
6 63 BITRICHIA SP.	1	226	1	6807	6807	0.02	1.54	0.04
6 63 CHRYSIDIATRUM CATENATUM LAUT	1	1281	5	57835	289175	0.93	370.43	9.97
6 63 DINOBRYON BAVARICUM IMH.	1	226	143	6807	973401	3.12	219.99	5.92
6 63 PSEUDOPEDINELLA SP.	2	65	4	57835	231340	0.74	15.04	0.40
6 63 SPINIFEROMONAS SP.	1	65	7	57835	404845	1.30	26.31	0.71
6 63 UROGLENA SP.	1	105	1	57835	57835	0.19	6.07	0.16
6 65 ASTERIONELLA FORMOSA HASS.	1	540	99	6807	673893	2.16	363.90	9.79
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	83	333	27639	0.09	43.39	1.17
6 65 AULACOSEIRA SP.	2	755	46	6807	313122	1.00	236.41	6.36
6 65 BACILLARIALES	3	198	9	6807	61263	0.20	12.13	0.33
6 65 EUPODISCALES	3	49	4	6807	27228	0.09	1.33	0.04
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	30	6807	204210	0.66	269.35	7.25
6 65 SYNEDRA ACUS KÜTZ.	3	2400	2	333	666	0.00	1.60	0.04
6 65 SYNEDRA SP.	2	280	43	6807	292701	0.94	81.96	2.21
6 66 DICHTOMOCOCCUS CURVATUS KORS	1	40	3	57835	173505	0.56	6.94	0.19
6 66 GONIOCHLORIS FALLAX FOTT	1	3395	1	6807	6807	0.02	23.11	0.62
6 66 OPHIOCYTIUM SP.	1	1696	5	6807	34035	0.11	57.72	1.55
6 66 PSEUDOSTAURASTRUM LIMNETICUM (	1	1018	2	333	666	0.00	0.68	0.02
6 67 GONYSTOMUM SP.	2	9420	5	333	1665	0.01	15.68	0.42
7 71 EUGLENA SP.	2	5828	1	333	333	0.00	1.94	0.05
7 74 CHLOROCOCCALES	3	204	2	57835	115670	0.37	23.60	0.63
7 74 DICTYOSPHAERIUM PULCHELLUM WO	1	452	16	57835	925360	2.97	418.26	11.25
7 74 ELAKATOTHRIX GENEVENSIS HIND.	1	7	2	57835	115670	0.37	0.81	0.02
7 74 KOLIELLA LONGISETA HIND.	1	126	2	6807	13614	0.04	1.72	0.05
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	68	6807	462876	1.49	1.85	0.05
7 74 LAGERHEIMIA GENEVENSIS (CHOD.)	1	126	6	57835	347010	1.11	43.72	1.18
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	77	6807	524139	1.68	4.72	0.13
7 74 MONORAPHIDIUM KOMARKOVAE NYG.	1	73	1	6807	6807	0.02	0.50	0.01
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	10	57835	578350	1.86	18.51	0.50
7 74 OOCYSTIS SP.	1	59	4	57835	231340	0.74	13.65	0.37
7 74 PEDIASTRUM BORYANUM (TURP.) ME	1	20096	2	333	666	0.00	13.38	0.36
7 74 PEDIASTRUM DUPLEX MEYEN	1	1963	1	6807	6807	0.02	13.36	0.36
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	1	452	8	57835	462680	1.48	209.13	5.63
7 74 PEDIASTRUM PRIVUM (PRINTZ) HEG	2	1256	1	57835	57835	0.19	72.64	1.95
7 74 PSEUDOSPHAEROCYSTIS LACUSTRIS	1	1072	11	6807	74877	0.24	80.27	2.16
7 74 SCENEDESMUS SP.	1	25	3	57835	173505	0.56	4.34	0.12
7 74 SCENEDESMUS SP.	4	151	1	57835	57835	0.19	8.73	0.23
7 74 SPERMATIZOPSIS EXULTANS KORSH	1	19	1	57835	57835	0.19	1.10	0.03
7 74 TETRAEDRON CAUDATUM (CORDA) HA	1	139	1	57835	57835	0.19	8.04	0.22
7 74 TETRAEDRON MINIMUM (A.BRAUN) H	1	256	1	57835	57835	0.19	14.81	0.40
7 74 VOLVOCALES	3	67	3	57835	173505	0.56	11.62	0.31
7 74 VOLVOCALES	5	410	2	6807	13614	0.04	5.58	0.15
7 74 VOLVOCALES	6	904	1	6807	6807	0.02	6.15	0.17
7 75 CLOSTERIUM ACUTUM V. VARIABILE	1	377	118	333	39294	0.13	14.81	0.40
7 75 CLOSTERIUM SP.	1	837	2	333	666	0.00	0.56	0.01
7 75 COSMARIUM SP.	1	88	1	57835	57835	0.19	5.09	0.14
7 75 COSMARIUM SP.	2	938	1	57835	57835	0.19	54.25	1.46
7 75 STAURASTRUM CINGULUM (W.&G.S.W	1	7168	1	333	333	0.00	2.39	0.06
7 75 STAURASTRUM PARADOXUM V. PARVU	1	273	1	6807	6807	0.02	1.86	0.05
9 92 FLAGELLATES SPP. AUTO (OVAL)	2	5	4	57835	231340	0.74	1.16	0.03

9 92	FLAGELLATES SPP. AUTO (OVAL)	3	19	9	57835	520515	1.67	9.89	0.27
9 92	FLAGELLATES SPP. AUTO (OVAL)	4	64	2	57835	115670	0.37	7.40	0.20
9 92	FLAGELLATES SPP. AUTO (OVAL)	6	575	2	57835	115670	0.37	66.51	1.79
9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	9	57835	520515	1.67	17.18	0.46
9 92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	9	57835	520515	1.67	58.82	1.58
9 92	MONAD AUTOTROPHIC	1	6	1	57835	57835	0.19	0.35	0.01
9 92	MONAD AUTOTROPHIC	2	14	8	57835	462680	1.48	6.48	0.17
9 92	MONAD AUTOTROPHIC	3	24	23	57835	1330205	4.27	31.92	0.86
9 92	MONAD AUTOTROPHIC	4	65	37	57835	2139895	6.87	139.09	3.74
9 92	MONAD AUTOTROPHIC	6	180	20	57835	1156700	3.71	208.21	5.60
2	CYANOPHYTA - CYANOPHYCEAE		312			12581830	40.37	208.69	5.61
2 21	CHROOCOCCALES		217			12550195	40.27	152.45	4.10
2 25	NOSTOCALES		95			31635	0.10	56.24	1.51
4	CRYPTOPHYTA		6			142898	0.46	29.77	0.80
5	DINOPHYTA		20			26082	0.08	82.37	2.22
6	CHRYSOPHYTA		541			6556883	21.04	1791.53	48.20
6 62	PRYMNESIOPHYCEAE		48			2776080	8.91	37.94	1.02
6 63	CHRYSOPHYCEAE		161			1963403	6.30	639.38	17.20
6 65	DIATOMOPHYCEAE		316			1600722	5.14	1010.07	27.18
6 66	TRIBOPHYCEAE		11			215013	0.69	88.45	2.38
6 67	RAPHIDOPHYCEAE		5			1665	0.01	15.68	0.42
7	CHLOROPHYTA		349			4685575	15.03	1057.39	28.45
7 71	EUGLENOPHYCEAE		1			333	0.00	1.94	0.05
7 74	CHLOROPHYCEAE		224			4522472	14.51	976.49	26.27
7 75	CONJUGATOPHYCEAE		124			162770	0.52	78.96	2.12
9	OTHER PHYTOPLANKTON		124			7171540	23.01	547.00	14.72
9 92	MONADS AND FLAGELLATES		124			7171540	23.01	547.00	14.72
Total counted:			1352			31164808		3716.75	
Total autotrophs:			1351			31106973	99.81	3711.43	99.86
Total heterotrophs:			1			57835	0.19	5.32	0.14