

SAMPLE: 13489
 PLACE: Littoistenjärvi , yhdistetty N E
 DATE: 1.8.2019
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/7/2020

CHAMBER VOLUME=5ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 494 units in 50 Kenttiä at 788x
 2751 units in 1 Pohja at 125x
 154 units in 2 Mittajana at 250x

COMMENT: Anabaena = Dolichospermum

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 APHANOTHECE MINUTISSIMA KOM.-	3	170	1	4084	4084	0.02	0.69	0.02
2 21 CHROOCOCCALES	4	5	13	41642	541346	2.49	2.71	0.08
2 21 CHROOCOCCALES	5	6	33	41642	1374186	6.32	8.25	0.25
2 21 CHROOCOCCALES	6	9	4	41642	166568	0.77	1.50	0.05
2 21 CHROOCOCCALES	7	10	1	41642	41642	0.19	0.42	0.01
2 21 CHROOCOCCALES	9	19	2	41642	83284	0.38	1.58	0.05
2 21 ROMERIA SP.	1	6	4	41642	166568	0.77	1.00	0.03
2 21 ROMERIA SP.	3	21	1	41642	41642	0.19	0.87	0.03
2 21 SNOWELLA SEPTENTRIONALIS KOMA	5	981	4	4084	16336	0.08	16.03	0.49
2 21 WORONICHINIA SP.	5	831	1	4084	4084	0.02	3.39	0.10
2 25 ANABAENA LEMMERMANNII P.RICHT	3	471	6	200	1200	0.01	0.57	0.02
2 25 ANABAENA SP. 'STRAIGHT'	5	1308	1376	200	275200	1.27	359.96	10.95
2 25 ANABAENA SP. 'TWISTED'	6	1308	2	200	400	0.00	0.52	0.02
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	624	200	124800	0.57	120.06	3.65
4 0 CRYPTOMONADALES	6	377	3	41642	124926	0.57	47.10	1.43
4 0 CRYPTOMONAS SP.	2	754	7	4084	28588	0.13	21.56	0.66
4 0 CRYPTOMONAS SP.	3	1769	1	4084	4084	0.02	7.22	0.22
4 0 CRYPTOMONAS SP.	4	2257	1	4084	4084	0.02	9.22	0.28
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	10	41642	416420	1.91	38.31	1.17
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	1	41642	41642	0.19	1.54	0.05
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	8	200	1600	0.01	70.68	2.15
5 0 DINOPHYCEAE	5	2010	12	4084	49008	0.23	98.51	3.00
5 0 DINOPHYCEAE	6	4421	5	4084	20420	0.09	90.28	2.75
5 0 DINOPHYCEAE	10	31387	1	200	200	0.00	6.28	0.19
6 62 CHRYSOCHROMULINA SP.	1	9	1	41642	41642	0.19	0.37	0.01
6 62 CHRYSOCHROMULINA SP.	2	17	82	41642	3414644	15.70	58.05	1.77
6 63 PSEUDOPEDINELLA SP.	2	65	10	41642	416420	1.91	27.07	0.82
6 63 UROGLENA SP.	1	105	45	41642	1873890	8.62	196.76	5.99
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	162	200	32400	0.15	50.87	1.55
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	2	4084	8168	0.04	3.08	0.09
6 65 AULACOSEIRA SP.	2	755	5	4084	20420	0.09	15.42	0.47
6 65 BACILLARIALES	2	135	7	4084	28588	0.13	3.86	0.12
6 65 BACILLARIALES	3	198	17	4084	69428	0.32	13.75	0.42
6 65 BACILLARIALES	7	1800	16	4084	65344	0.30	117.62	3.58
6 65 NAVICULA SP.	1	750	1	4084	4084	0.02	3.06	0.09
6 65 SYNEDRA ACUS KÜTZ.	3	2400	236	200	47200	0.22	113.28	3.45
6 65 SYNEDRA ACUS KÜTZ.	4	3200	203	200	40600	0.19	129.92	3.95
6 65 SYNEDRA SP.	2	280	7	4084	28588	0.13	8.00	0.24
6 65 SYNEDRA SP.	3	630	27	4084	110268	0.51	69.47	2.11
6 65 SYNEDRA ULNA (NITZSCH) EHR.	2	5760	1	4084	4084	0.02	23.52	0.72
6 66 GONIOCHLORIS FALLAX FOTT		3395	1	4084	4084	0.02	13.87	0.42
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	5	4084	20420	0.09	20.79	0.63
7 71 EUGLENA ACUS EHR.		5652	1	200	200	0.00	1.13	0.03
7 71 EUGLENOPHYCEAE		1413	1	4084	4084	0.02	5.77	0.18
7 71 TRACHELOMONAS HISPIDA (PERTY)		4912	22	4084	89848	0.41	441.33	13.43
7 71 TRACHELOMONAS SP.	1	904	1	4084	4084	0.02	3.69	0.11
7 71 TRACHELOMONAS SP.	2	1592	3	4084	12252	0.06	19.51	0.59
7 73 NEPHROSELMIS OLIVACEA STEIN E		99	1	41642	41642	0.19	4.12	0.13
7 74 CHLOROCOCCALES	3	204	3	41642	124926	0.57	25.48	0.78
7 74 CHLOROPHYCEAE	1	113	4	41642	166568	0.77	18.82	0.57
7 74 ELAKATOTHRIX GENEVENSIS HIND.	1	7	1	41642	41642	0.19	0.29	0.01
7 74 EUDORINA SP.		2143	4	200	800	0.00	1.71	0.05
7 74 GOLENKINIA PAUCISPINA W.&G.S.		2144	1	41642	41642	0.19	89.28	2.72
7 74 KIRCHNERIELLA CONTORTA (SCHMID		23	1	41642	41642	0.19	0.96	0.03
7 74 LAGERHEIMIA SP.		131	2	41642	83284	0.38	10.91	0.33
7 74 MONOMASTIX SP.	1	31	1	41642	41642	0.19	1.29	0.04
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	1	4084	4084	0.02	0.04	0.00
7 74 MONORAPHIDIUM DYBOWSKII (WOLOS	2	84	8	41642	333136	1.53	27.98	0.85
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	8	41642	333136	1.53	10.66	0.32
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	16	41642	666272	3.06	61.30	1.86
7 74 MONORAPHIDIUM SP.	1	10	4	41642	166568	0.77	1.67	0.05
7 74 OOCYSTIS SP.	1	59	11	41642	458062	2.11	27.03	0.82
7 74 SCENEDESMUS ARMATUS CHOD.	1	170	1	41642	41642	0.19	7.08	0.22
7 74 TETRAEDRON MINIMUM (A.BRAUN) H		256	1	41642	41642	0.19	10.66	0.32
7 74 TREUBARIA TRIAPPENDICULATA BE	1	117	1	41642	41642	0.19	4.87	0.15
7 74 ULOTRICHIALES	1	85	127	200	25400	0.12	2.16	0.07
7 74 VOLVOCALES	4	113	7	41642	291494	1.34	32.94	1.00
7 75 COSMARIUM FORMOSULUM HOFF	cf.	26167	1	200	200	0.00	5.23	0.16
7 75 COSMARIUM SP.	2	938	1	4084	4084	0.02	3.83	0.12
7 75 STAURASTRUM CHAETOCERAS (SCHRÖ	2	1601	2	4084	8168	0.04	13.08	0.40
7 75 STAURODESMUS DEJECTUS (BRÉB.)	1	1616	1	4084	4084	0.02	6.60	0.20
9 92 FLAGELLATES SPP. AUTO (OVAL)	3	19	25	41642	1041050	4.79	19.78	0.60
9 92 FLAGELLATES SPP. AUTO (OVAL)	4	64	11	41642	458062	2.11	29.32	0.89
9 92 FLAGELLATES SPP. AUTO (OVAL)	5	181	3	41642	124926	0.57	22.61	0.69

9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	3	41642	124926	0.57	4.12	0.13
9 92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	19	41642	791198	3.64	89.41	2.72
9 92	MONAD AUTOTROPHIC	1	6	1	41642	41642	0.19	0.25	0.01
9 92	MONAD AUTOTROPHIC	2	14	25	41642	1041050	4.79	14.57	0.44
9 92	MONAD AUTOTROPHIC	3	24	11	41642	458062	2.11	10.99	0.33
9 92	MONAD AUTOTROPHIC	4	65	89	41642	3706138	17.04	240.90	7.33
9 92	MONAD AUTOTROPHIC	6	180	21	41642	874482	4.02	157.41	4.79
9 92	MONAD AUTOTROPHIC	7	188	2	41642	83284	0.38	15.66	0.48
9 92	MONAD AUTOTROPHIC	9	523	3	41642	124926	0.57	65.34	1.99
2	CYANOPHYTA - CYANOPHYCEAE			2072		2841340	13.07	517.54	15.75
2 21	CHROOCOCCALES			64		2439740	11.22	36.44	1.11
2 25	NOSTOCALES			2008		401600	1.85	481.11	14.64
4	CRYPTOPHYTA			23		619744	2.85	124.95	3.80
5	DINOPHYTA			26		71228	0.33	265.75	8.09
6	CHRYSOPHYTA			828		6230272	28.65	868.75	26.43
6 62	PRYMNESIOPHYCEAE			83		3456286	15.89	58.42	1.78
6 63	CHRYSOPHYCEAE			55		2290310	10.53	223.83	6.81
6 65	DIATOMOPHYCEAE			684		459172	2.11	551.85	16.79
6 66	TRIBOPHYCEAE			6		24504	0.11	34.65	1.05
7	CHLOROPHYTA			236		3113870	14.32	839.43	25.54
7 71	EUGLENOPHYCEAE			28		110468	0.51	471.43	14.34
7 73	PRASINOPHYCEAE			1		41642	0.19	4.12	0.13
7 74	CHLOROPHYCEAE			202		2945224	13.54	335.13	10.20
7 75	CONJUGATOPHYCEAE			5		16536	0.08	28.74	0.87
9	OTHER PHYTOPLANKTON			213		8869746	40.79	670.35	20.40
9 92	MONADS AND FLAGELLATES			213		8869746	40.79	670.35	20.40
Total counted:				3398		21746200		3286.77	
Total autotrophs:				3388		21329780	98.09	3248.46	98.83
Total heterotrophs:				10		416420	1.91	38.31	1.17