

SAMPLE: 16666  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 28.8.2019  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/15/2020

CHAMBER VOLUME=5ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 441 units in 90 Kenttiä at 788x  
 143 units in 2 Mittajana at 250x  
 1744 units in 1 Pohja at 125x

COMMENT: Anabaena = Dolichospermum

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 APHANOCAPSA SP.	2	305	2	4084	8168	0.07	2.49	0.12
2 21 CHROOCOCCALES	4	5	46	23134	1064164	9.58	5.32	0.26
2 21 CHROOCOCCALES	6	9	18	23134	416412	3.75	3.75	0.18
2 21 CHROOCOCCALES	7	10	5	23134	115670	1.04	1.16	0.06
2 21 CHROOCOCCALES	11	26	1	23134	23134	0.21	0.60	0.03
2 21 CHROOCOCCALES	16	52	1	23134	23134	0.21	1.20	0.06
4 0 CRYPTOMONADALES	6	377	2	23134	46268	0.42	17.44	0.86
4 0 CRYPTOMONAS SP.	2	754	20	4084	81680	0.74	61.59	3.04
4 0 CRYPTOMONAS SP.	3	1769	33	4084	134772	1.21	238.41	11.75
4 0 CRYPTOMONAS SP.	4	2257	21	4084	85764	0.77	193.57	9.54
4 0 CRYPTOMONAS SP.	5	4136	1	200	200	0.00	0.83	0.04
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	30	23134	694020	6.25	63.85	3.15
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	57	23134	1318638	11.87	48.79	2.41
4 0 RHODOMONAS LACUSTRIS PASCH.&R	2	82	93	23134	2151462	19.36	176.42	8.70
4 0 RHODOMONAS LACUSTRIS PASCH.&R	3	122	34	23134	786556	7.08	95.96	4.73
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	20	200	4000	0.04	176.71	8.71
5 0 DINOPHYCEAE	6	4421	4	4084	16336	0.15	72.22	3.56
5 0 DINOPHYCEAE	8	10668	3	4084	12252	0.11	130.70	6.44
5 0 PERIDINIUM SP.	6	29910	8	200	1600	0.01	47.86	2.36
6 62 CHRYSOCHROMULINA SP.	1	9	9	23134	208206	1.87	1.87	0.09
6 62 CHRYSOCHROMULINA SP.	2	17	48	23134	1110432	9.99	18.88	0.93
6 62 CHRYSOCHROMULINA SP.	3	25	1	23134	23134	0.21	0.58	0.03
6 63 DINOBRYON ACUMINATUM RUTTN.		117	2	4084	8168	0.07	0.96	0.05
6 63 DINOBRYON SOCIALE EHR.	cf.	157	3	200	600	0.01	0.09	0.00
6 63 MALLOMONAS AKROKOMOS RUTTN.	1	1010	1	4084	4084	0.04	4.12	0.20
6 63 MALLOMONAS SP.	3	335	2	4084	8168	0.07	2.74	0.13
6 63 PSEUDOPEDINELLA SP.	2	65	5	23134	115670	1.04	7.52	0.37
6 63 SPINIFEROMONAS SP.	1	65	1	23134	23134	0.21	1.50	0.07
6 63 UROGLENA SP.	1	105	13	23134	300742	2.71	31.58	1.56
6 65 ASTERIONELLA FORMOSA HASS.	1	540	1608	200	321600	2.89	173.66	8.56
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	5	904	15	4084	61260	0.55	55.38	2.73
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	6	1570	24	4084	98016	0.88	153.89	7.59
6 65 AULACOSEIRA SP.	2	755	2	4084	8168	0.07	6.17	0.30
6 65 BACILLARIALES	2	135	1	4084	4084	0.04	0.55	0.03
6 65 BACILLARIALES	3	198	1	4084	4084	0.04	0.81	0.04
6 65 BACILLARIALES	10	2640	1	200	200	0.00	0.53	0.03
6 65 SYNEDRA SP.	2	280	1	4084	4084	0.04	1.14	0.06
6 66 GONIOCHLORIS FALLAX FOTT		3395	1	4084	4084	0.04	13.87	0.68
6 66 PSEUDOSTAURASTRUM LIMNETICUM (		1018	2	200	400	0.00	0.41	0.02
7 74 BOTRYOCOCCUS SP.	1	589	3	200	600	0.01	0.35	0.02
7 74 BOTRYOCOCCUS SP.	2	3052	2	200	400	0.00	1.22	0.06
7 74 COELASTRUM MICROPORUM NÄG.		3215	2	200	400	0.00	1.29	0.06
7 74 LAGERHEIMIA SUBSALSIA LEMM.		678	1	23134	23134	0.21	15.68	0.77
7 74 MONOMASTIX SP.	1	31	1	23134	23134	0.21	0.72	0.04
7 74 MONORAPHIDIUM DYBOWSKII (WOLOS	2	84	7	23134	161938	1.46	13.60	0.67
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	5	23134	115670	1.04	3.70	0.18
7 74 MONORAPHIDIUM SP.	1	10	1	23134	23134	0.21	0.23	0.01
7 74 NEPHROCHLAMYS SP.		52	1	23134	23134	0.21	1.20	0.06
7 74 OOCYSTIS SP.	1	59	5	23134	115670	1.04	6.82	0.34
7 74 PEDIASTRUM ANGULOSUM (EHR.) ME	1	22687	1	200	200	0.00	4.54	0.22
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	3	200	600	0.01	12.06	0.59
7 74 PEDIASTRUM DUPLEX V. GRACILLIM		5024	3	200	600	0.01	3.01	0.15
7 74 PSEUDOSPHAEROCYSTIS LACUSTRIS	1	1072	4	4084	16336	0.15	17.51	0.86
7 74 SCENEDESMUS ARMATUS CHOD.	2	201	1	23134	23134	0.21	4.65	0.23
7 74 SCENEDESMUS BICELLULARIS		75	4	23134	92536	0.83	6.94	0.34
7 74 SCENEDESMUS SUBSPICATUS CHOD.	2	301	1	23134	23134	0.21	6.96	0.34
7 74 TETRAEDRON MINIMUM (A.BRAUN) H		256	1	23134	23134	0.21	5.92	0.29
7 74 ULOTRICHIALES	1	85	47	200	9400	0.08	0.80	0.04
7 74 ULOTRICHIALES	2	314	40	200	8000	0.07	2.51	0.12
7 74 WILLEA SP.		502	6	4084	24504	0.22	12.30	0.61
9 92 FLAGELLATES SPP. AUTO (OVAL)	3	19	3	23134	69402	0.62	1.32	0.07
9 92 FLAGELLATES SPP. AUTO (SPHERE)	2	8	4	23134	92536	0.83	0.74	0.04
9 92 FLAGELLATES SPP. AUTO (SPHERE)	3	33	5	23134	115670	1.04	3.82	0.19
9 92 FLAGELLATES SPP. AUTO (SPHERE)	4	113	1	23134	23134	0.21	2.61	0.13
9 92 FLAGELLATES SPP. AUTO (SPHERE)	5	321	1	23134	23134	0.21	7.43	0.37
9 92 MONAD AUTOTROPHIC	2	14	2	23134	46268	0.42	0.65	0.03
9 92 MONAD AUTOTROPHIC	3	24	3	23134	69402	0.62	1.67	0.08
9 92 MONAD AUTOTROPHIC	4	65	21	23134	485814	4.37	31.58	1.56
9 92 MONAD AUTOTROPHIC	6	180	7	23134	161938	1.46	29.15	1.44
9 92 MONAD AUTOTROPHIC	9	523	1	23134	23134	0.21	12.10	0.60
2 CYANOPHYTA - CYANOPHYCEAE			73		1650682	14.86	14.52	0.72
2 21 CHROOCOCCALES			73		1650682	14.86	14.52	0.72
4 CRYPTOPHYTA			291		5299360	47.69	896.86	44.22
5 DINOPHYTA			35		34188	0.31	427.49	21.08

6	CHRYSOPHYTA	1741	2308318	20.77	476.24	23.48
6 62	PRYMNESIOPHYCEAE	58	1341772	12.08	21.33	1.05
6 63	CHRYSOPHYCEAE	27	460566	4.14	48.51	2.39
6 65	DIATOMOPHYCEAE	1653	501496	4.51	392.13	19.33
6 66	TRIBOPHYCEAE	3	4484	0.04	14.27	0.70
7	CHLOROPHYTA	139	708792	6.38	122.03	6.02
7 74	CHLOROPHYCEAE	139	708792	6.38	122.03	6.02
9	OTHER PHYTOPLANKTON	48	1110432	9.99	91.06	4.49
9 92	MONADS AND FLAGELLATES	48	1110432	9.99	91.06	4.49
Total counted:		2327	11111772		2028.20	
Total autotrophs:		2297	10417752	93.75	1964.35	96.85
Total heterotrophs:		30	694020	6.25	63.85	3.15