

SAMPLE: 13467
 PLACE: Littoistenjärvi , yhdistetty N E
 DATE: 16.8.2018
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 4/25/2019

CHAMBER VOLUME=10ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 439 units in 65 Kenttiä at 788x
 712 units in 2 Mittajana at 250x
 244 units in 1 Pohja at 125x

COMMENT: 13

Species	Size A/H	Volume	Units	Coeff.	Units/l	Units %	ww µg/l	ww %
2 21 CHROOCOCCALES	4	5	3	16016	48048	0.58	0.24	0.02
2 21 CHROOCOCCALES	6	9	3	16016	48048	0.58	0.43	0.03
2 21 CHROOCOCCALES	7	10	1	16016	16016	0.19	0.16	0.01
2 21 CHROOCOCCALES	11	26	1	16016	16016	0.19	0.42	0.03
2 21 ROMERIA SP.	1	6	1	16016	16016	0.19	0.10	0.01
2 21 SNOWELLA SEPTENTRIONALIS KOMA	3	327	1	2042	2042	0.02	0.67	0.04
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	95	100	9500	0.11	30.54	1.96
2 25 ANABAENA SP. 'TWISTED'	4	1049	4	100	400	0.00	0.42	0.03
2 25 ANABAENA SP. 'TWISTED'	9	3215	3	100	300	0.00	0.96	0.06
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	15	100	1500	0.02	1.44	0.09
4 0 CRYPTOMONADALES	3	94	4	16016	64064	0.77	6.02	0.39
4 0 CRYPTOMONADALES	4	151	3	16016	48048	0.58	7.26	0.47
4 0 CRYPTOMONADALES	6	377	4	16016	64064	0.77	24.15	1.55
4 0 CRYPTOMONAS SP.	2	754	14	2042	28588	0.35	21.56	1.38
4 0 CRYPTOMONAS SP.	3	1769	6	2042	12252	0.15	21.67	1.39
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	11	16016	176176	2.13	16.21	1.04
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	128	16016	2050048	24.79	75.85	4.87
4 0 RHODOMONAS LACUSTRIS PASCH.&R	3	122	10	16016	160160	1.94	19.54	1.25
5 0 CERATIUM HIRUNDINELLA (O.F.MÜL		44178	2	100	200	0.00	8.84	0.57
5 0 DINOPHYCEAE	2	251	3	16016	48048	0.58	12.06	0.77
5 0 DINOPHYCEAE	4	942	1	16016	16016	0.19	15.09	0.97
5 0 DINOPHYCEAE	5	2010	9	2042	18378	0.22	36.94	2.37
5 0 DINOPHYCEAE	9	14067	1	2042	2042	0.02	28.72	1.84
5 0 DINOPHYCEAE	10	31387	1	100	100	0.00	3.14	0.20
6 63 CHRYSIDIASTRUM CATENATUM LAUT		1281	2	2042	4084	0.05	5.23	0.34
6 63 DINOBRYON ACUMINATUM RUTTN.		117	7	2042	14294	0.17	1.67	0.11
6 63 DINOBRYON BAVARICUM IMH.		226	145	2042	296090	3.58	66.92	4.30
6 63 DINOBRYON SUEVICUM V. LONGISPI		57	3	16016	48048	0.58	2.74	0.18
6 63 KEPHYRION SP.		92	2	16016	32032	0.39	2.95	0.19
6 63 MALLOMONAS SP.	3	335	2	16016	32032	0.39	10.73	0.69
6 63 MALLOMONAS SP.	4	837	9	2042	18378	0.22	15.38	0.99
6 63 MALLOMONAS TONSURATA TEIL.	1	670	2	16016	32032	0.39	21.46	1.38
6 63 PSEUDOPEDINELLA SP.	2	65	3	16016	48048	0.58	3.12	0.20
6 63 PSEUDOPEDINELLA SP.	4	200	3	16016	48048	0.58	9.61	0.62
6 63 SPINIFEROMONAS SP.	1	65	9	16016	144144	1.74	9.37	0.60
6 63 UROGLENA SP.	1	105	68	16016	1089088	13.17	114.35	7.34
6 65 ASTERIONELLA FORMOSA HASS.	1	540	277	2042	565634	6.84	305.44	19.61
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	50	2042	102100	1.23	38.49	2.47
6 65 AULACOSEIRA SP.	2	755	25	2042	51050	0.62	38.54	2.47
6 65 AULACOSEIRA SP.	3	1570	1	2042	2042	0.02	3.21	0.21
6 65 BACILLARIALES	12	6075	1	2042	2042	0.02	12.41	0.80
6 65 BACILLARIALES	13	11250	1	2042	2042	0.02	22.97	1.48
6 65 EUPODISCALES	3	49	5	16016	80080	0.97	3.92	0.25
6 65 EUPODISCALES	5	393	3	16016	48048	0.58	18.88	1.21
6 65 EUPODISCALES	6	1325	4	16016	64064	0.77	84.88	5.45
6 65 GYROSIGMA SP.	2	19600	1	100	100	0.00	1.96	0.13
6 65 RHIZOSOLENIA LONGISETA ZACH.	1	1319	43	2042	87806	1.06	115.82	7.44
6 65 SYNEDRA ACUS KÜTZ.	4	3200	100	100	10000	0.12	32.00	2.05
6 65 SYNEDRA SP.	2	280	8	2042	16336	0.20	4.57	0.29
6 66 GONIOCHLORIS FALLAX FOTT		3395	4	2042	8168	0.10	27.73	1.78
6 66 OPHIOCYTIUM CAPITATUM WOLLE		2308	3	2042	6126	0.07	14.14	0.91
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	1	2042	2042	0.02	2.08	0.13
6 67 GONYOSTOMUM SP.	2	9420	1	100	100	0.00	0.94	0.06
7 71 TRACHELOMONAS SP.	2	1592	2	2042	4084	0.05	6.50	0.42
7 73 NEPHROSELMIS OLIVACEA STEIN E		99	1	16016	16016	0.19	1.59	0.10
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	52	2042	106184	1.28	7.54	0.48
7 74 COELASTRUM SPHAERICUM NÄG.		2872	1	100	100	0.00	0.29	0.02
7 74 DICTYOSPHAERIUM PULCHELLUM WO		452	41	2042	83722	1.01	37.84	2.43
7 74 KIRCHNERIELLA SP.	1	14	2	16016	32032	0.39	0.45	0.03
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	6	2042	12252	0.15	0.05	0.00
7 74 MONOMASTIX SP.	1	31	4	16016	64064	0.77	1.99	0.13
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	1	2042	2042	0.02	0.02	0.00
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	1	32	1	16016	16016	0.19	0.51	0.03
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	1	16016	16016	0.19	1.47	0.09
7 74 OOCYSTIS SP.	1	59	3	16016	48048	0.58	2.83	0.18
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	6	100	600	0.01	12.06	0.77
7 74 SCENEDESMUS QUADRICAUDA (TURP.	2	1182	1	16016	16016	0.19	18.93	1.22
7 74 SCENEDESMUS SEMPERVIRENS	2	335	1	16016	16016	0.19	5.37	0.34
7 74 SCENEDESMUS SP.	1	25	2	16016	32032	0.39	0.80	0.05
7 74 SCENEDESMUS SP.	4	151	1	16016	16016	0.19	2.42	0.16
7 74 SPERMATOPHYTES EXULTANS KORSH		19	5	16016	80080	0.97	1.52	0.10
7 74 TETRAEDRON CAUDATUM (CORDA) HA	1	139	1	16016	16016	0.19	2.23	0.14
7 74 VOLVOCALES	4	113	1	16016	16016	0.19	1.81	0.12
7 75 CLOSTERIUM ACUTUM V. VARIABILE		377	9	100	900	0.01	0.34	0.02

7 75	STAUROSTRUM SP.	2	921	5	100	500	0.01	0.46	0.03
7 75	STAURODESMUS DEJECTUS (BRÉB.)		1616	2	2042	4084	0.05	6.60	0.42
9 92	FLAGELLATES SPP. AUTO (OVAL)	2	5	7	16016	112112	1.36	0.56	0.04
9 92	FLAGELLATES SPP. AUTO (OVAL)	3	19	14	16016	224224	2.71	4.26	0.27
9 92	FLAGELLATES SPP. AUTO (OVAL)	4	64	2	16016	32032	0.39	2.05	0.13
9 92	FLAGELLATES SPP. AUTO (OVAL)	5	181	2	16016	32032	0.39	5.80	0.37
9 92	FLAGELLATES SPP. AUTO (SPHERE)	2	8	19	16016	304304	3.68	2.43	0.16
9 92	FLAGELLATES SPP. AUTO (SPHERE)	3	33	16	16016	256256	3.10	8.46	0.54
9 92	FLAGELLATES SPP. AUTO (SPHERE)	4	113	11	16016	176176	2.13	19.91	1.28
9 92	FLAGELLATES SPP. AUTO (SPHERE)	5	321	1	16016	16016	0.19	5.14	0.33
9 92	MONAD AUTOTROPHIC	1	6	3	16016	48048	0.58	0.29	0.02
9 92	MONAD AUTOTROPHIC	2	14	21	16016	336336	4.07	4.71	0.30
9 92	MONAD AUTOTROPHIC	3	24	1	16016	16016	0.19	0.38	0.02
9 92	MONAD AUTOTROPHIC	4	65	17	16016	272272	3.29	17.70	1.14
9 92	MONAD AUTOTROPHIC	6	180	4	16016	64064	0.77	11.53	0.74
9 92	MONAD AUTOTROPHIC	7	188	1	16016	16016	0.19	3.01	0.19
9 92	MONAD AUTOTROPHIC	9	523	4	16016	64064	0.77	33.51	2.15
2	CYANOPHYTA - CYANOPHYCEAE			127		157886	1.91	35.38	2.27
2 21	CHROOCOCCALES			10		146186	1.77	2.01	0.13
2 25	NOSTOCALES			117		11700	0.14	33.37	2.14
4	CRYPTOPHYTA			180		2603400	31.48	192.26	12.35
5	DINOPHYTA			17		84784	1.03	104.79	6.73
6	CHRYSOPHYTA			783		2854098	34.52	991.53	63.67
6 63	CHRYSOPHYCEAE			255		1806318	21.84	263.54	16.92
6 65	DIATOMOPHYCEAE			519		1031344	12.47	683.10	43.86
6 66	TRIBOPHYCEAE			8		16336	0.20	43.95	2.82
6 67	RAPHIDOPHYCEAE			1		100	0.00	0.94	0.06
7	CHLOROPHYTA			149		598852	7.24	113.61	7.30
7 71	EUGLENOPHYCEAE			2		4084	0.05	6.50	0.42
7 73	PRASINOPHYCEAE			1		16016	0.19	1.59	0.10
7 74	CHLOROPHYCEAE			130		573268	6.93	98.12	6.30
7 75	CONJUGATOPHYCEAE			16		5484	0.07	7.40	0.48
9	OTHER PHYTOPLANKTON			123		1969968	23.82	119.74	7.69
9 92	MONADS AND FLAGELLATES			123		1969968	23.82	119.74	7.69
	Total counted:			1379		8268988		1557.30	
	Total autotrophs:			1368		8092812	97.87	1541.09	98.96
	Total heterotrophs:			11		176176	2.13	16.21	1.04