

SAMPLE: 8489
 PLACE: Ittoistenjärvi , yhdistetty N E
 DATE: 5.6.2019
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 3/26/2020

CHAMBER VOLUME=25ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:
 474 units in 50 Kenttiä at 788x
 239 units in 2 Mittajana at 250x
 418 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 CHROOCOCCALES	4	5	63	8328	524664	12.61	2.62	0.63
2 21 CHROOCOCCALES	6	9	8	8328	66624	1.60	0.60	0.14
2 21 CHROOCOCCALES	7	10	13	8328	108264	2.60	1.08	0.26
2 21 CHROOCOCCALES	9	19	14	8328	116592	2.80	2.22	0.54
2 21 CHROOCOCCALES	11	26	3	8328	24984	0.60	0.65	0.16
2 21 CHROOCOCCALES	13	42	1	8328	8328	0.20	0.35	0.08
2 21 CHROOCOCCALES	14	47	7	8328	58296	1.40	2.74	0.66
2 21 CHROOCOCCALES	16	52	3	8328	24984	0.60	1.30	0.31
2 25 ANABAENA SP. 'STRAIGHT'	8	3215	26	40	1040	0.03	3.34	0.81
2 25 ANABAENA SP. 'TWISTED'	4	1049	80	40	3200	0.08	3.36	0.81
2 25 ANABAENA SP. 'TWISTED'	9	3215	11	40	440	0.01	1.41	0.34
2 25 APHANIZOMENON ISSATSCHENKOI (U	2	962	3	40	120	0.00	0.12	0.03
2 25 APHANIZOMENON SP.	5	1256	10	40	400	0.01	0.50	0.12
4 0 CRYPTOMONADALES	4	151	1	8328	8328	0.20	1.26	0.30
4 0 CRYPTOMONADALES	6	377	30	817	24510	0.59	9.24	2.23
4 0 CRYPTOMONAS SP.	2	754	27	817	22059	0.53	16.63	4.02
4 0 CRYPTOMONAS SP.	3	1769	40	817	32680	0.79	57.81	13.97
4 0 CRYPTOMONAS SP.	4	2257	12	817	9804	0.24	22.13	5.35
4 0 KATABLEPHARIS OVALIS SKUJA	1 HET	92	44	8328	366432	8.81	33.71	8.15
4 0 RHODOMONAS LACUSTRIS PASCH.&R	1	37	101	8328	841128	20.22	31.12	7.52
4 0 RHODOMONAS LACUSTRIS PASCH.&R	3	122	20	8328	166560	4.00	20.32	4.91
5 0 DINOPHYCEAE	4	942	18	817	14706	0.35	13.85	3.35
5 0 DINOPHYCEAE	5	2010	2	817	1634	0.04	3.28	0.79
5 0 PERIDINIUM SP.	6	29910	4	40	160	0.00	4.79	1.16
6 62 CHRYSOCHROMULINA SP.	1	9	2	8328	16656	0.40	0.15	0.04
6 62 CHRYSOCHROMULINA SP.	2	17	13	8328	108264	2.60	1.84	0.44
6 62 CHRYSOCHROMULINA SP.	3	25	1	8328	8328	0.20	0.21	0.05
6 63 DINOBRYON BAVARICUM IMH.		226	42	40	1680	0.04	0.38	0.09
6 63 MALLOMONAS AKROKOMOS RUTTN.	1	1010	21	817	17157	0.41	17.33	4.19
6 63 MALLOMONAS SP.	3	335	1	8328	8328	0.20	2.79	0.67
6 63 MALLOMONAS SP.	4	837	4	817	3268	0.08	2.74	0.66
6 63 PSEUDOPEDINELLA SP.	2	65	17	8328	141576	3.40	9.20	2.22
6 63 PSEUDOPEDINELLA SP.	4	200	2	8328	16656	0.40	3.33	0.80
6 63 SPINIFEROMONAS SP.	1	65	8	8328	66624	1.60	4.33	1.05
6 65 ASTERIONELLA FORMOSA HASS.	1	540	95	40	3800	0.09	2.05	0.50
6 65 AULACOSEIRA AMBIGUA (GRUN.) SI	5	904	1	40	40	0.00	0.04	0.01
6 65 AULACOSEIRA GRANULATA V. ANGUS		377	21	40	840	0.02	0.32	0.08
6 65 AULACOSEIRA SP.	2	755	68	40	2720	0.07	2.05	0.50
6 65 BACILLARIALES	2	135	3	817	2451	0.06	0.33	0.08
6 65 BACILLARIALES	3	198	8	817	6536	0.16	1.29	0.31
6 65 BACILLARIALES	8	1980	1	40	40	0.00	0.08	0.02
6 65 EUPODISCALES	3	49	7	8328	58296	1.40	2.86	0.69
6 65 EUPODISCALES	4	135	10	8328	83280	2.00	11.24	2.72
6 65 EUPODISCALES	5	393	1	8328	8328	0.20	3.27	0.79
6 65 EUPODISCALES	6	1325	1	817	817	0.02	1.08	0.26
6 65 SYNEDRA SP.	2	280	1	817	817	0.02	0.23	0.06
6 65 SYNEDRA SP.	3	630	3	817	2451	0.06	1.54	0.37
6 66 GONIOCHLORIS SP.		1465	1	40	40	0.00	0.06	0.01
6 66 OPHIOCYTIUM SP.		1696	1	817	817	0.02	1.39	0.33
6 66 PSEUDOSTAURASTRUM LIMNETICUM (1018	1	40	40	0.00	0.04	0.01
7 71 TRACHELOMONAS SP.	2	1592	1	40	40	0.00	0.06	0.02
7 74 ANKYRA JUDAYI (G.M.SM.) FOTT		71	32	817	26144	0.63	1.86	0.45
7 74 BOTRYOCOCCUS SP.	1	589	4	40	160	0.00	0.09	0.02
7 74 CHLOROCOCCALES	2	24	7	8328	58296	1.40	1.40	0.34
7 74 CHLOROCOCCALES	3	204	1	8328	8328	0.20	1.70	0.41
7 74 ELAKATOTHRIX GENEVENSIS HIND.	1	7	2	817	1634	0.04	0.01	0.00
7 74 KIRCHNERIELLA CONTORTA (SCHMID		23	5	8328	41640	1.00	0.96	0.23
7 74 KIRCHNERIELLA SP.	1	14	2	8328	16656	0.40	0.23	0.06
7 74 KOLIELLA SPICULIFORMIS (VISCHE	1	4	29	817	23693	0.57	0.09	0.02
7 74 MONORAPHIDIUM CONTORTUM (THUR.	1	9	5	817	4085	0.10	0.04	0.01
7 74 MONORAPHIDIUM MINUTUM (NÄG.) K	2	92	2	8328	16656	0.40	1.53	0.37
7 74 MONORAPHIDIUM SP.	1	10	2	8328	16656	0.40	0.17	0.04
7 74 PEDIASTRUM BORYANUM (TURP.) ME		20096	2	40	80	0.00	1.61	0.39
7 74 SCENEDESMUS ARMATUS CHOD.	1	170	1	8328	8328	0.20	1.42	0.34
7 74 SCENEDESMUS SP.	2	50	1	8328	8328	0.20	0.42	0.10
7 74 TETRAEDRON CAUDATUM (CORDA) HA	1	139	1	8328	8328	0.20	1.16	0.28
7 75 CLOSTERIUM ACUTUM V. VARIABILE		377	44	40	1760	0.04	0.66	0.16
7 75 COSMARIUM SUBPROTUMIDUM NORDS		5715	1	40	40	0.00	0.23	0.06
7 75 STAURASTRUM SP.	2	921	2	40	80	0.00	0.07	0.02
9 92 FLAGELLATES SPP. AUTO (OVAL)	2	5	2	8328	16656	0.40	0.08	0.02
9 92 FLAGELLATES SPP. AUTO (OVAL)	3	19	18	8328	149904	3.60	2.85	0.69
9 92 FLAGELLATES SPP. AUTO (SPHERE)	2	8	12	8328	99936	2.40	0.80	0.19
9 92 FLAGELLATES SPP. AUTO (SPHERE)	3	33	20	8328	166560	4.00	5.50	1.33
9 92 FLAGELLATES SPP. AUTO (SPHERE)	4	113	7	8328	58296	1.40	6.59	1.59
9 92 FLAGELLATES SPP. AUTO (SPHERE)	5	321	24	8328	199872	4.81	64.16	15.50

9 92	MONAD AUTOTROPHIC	1	6	3	8328	24984	0.60	0.15	0.04
9 92	MONAD AUTOTROPHIC	2	14	1	8328	8328	0.20	0.12	0.03
9 92	MONAD AUTOTROPHIC	3	24	6	8328	49968	1.20	1.20	0.29
9 92	MONAD AUTOTROPHIC	4	65	15	8328	124920	3.00	8.12	1.96
9 92	MONAD AUTOTROPHIC	6	180	4	8328	33312	0.80	6.00	1.45
2	CYANOPHYTA - CYANOPHYCEAE		242			937936	22.55	20.29	4.90
2 21	CHROOCOCCALES		112			932736	22.42	11.56	2.79
2 25	NOSTOCALES		130			5200	0.13	8.73	2.11
4	CRYPTOPHYTA		275			1471501	35.38	192.22	46.44
5	DINOPHYTA		24			16500	0.40	21.92	5.30
6	CHRYSOPHYTA		334			559850	13.46	70.17	16.95
6 62	PRYMNESIOPHYCEAE		16			133248	3.20	2.20	0.53
6 63	CHRYSOPHYCEAE		95			255289	6.14	40.10	9.69
6 65	DIATOMOPHYCEAE		220			170416	4.10	26.39	6.38
6 66	TRIBOPHYCEAE		3			897	0.02	1.48	0.36
7	CHLOROPHYTA		144			240932	5.79	13.71	3.31
7 71	EUGLENOPHYCEAE		1			40	0.00	0.06	0.02
7 74	CHLOROPHYCEAE		96			239012	5.75	12.68	3.06
7 75	CONJUGATOPHYCEAE		47			1880	0.05	0.97	0.23
9	OTHER PHYTOPLANKTON		112			932736	22.42	95.56	23.09
9 92	MONADS AND FLAGELLATES		112			932736	22.42	95.56	23.09
Total counted:			1131			4159455		413.87	
Total autotrophs:			1087			3793023	91.19	380.16	91.85
Total heterotrophs:			44			366432	8.81	33.71	8.15