

SAMPLE: 17873  
 PLACE: Littoistenjärvi , yhdistetty N E  
 DATE: 17.10.2018  
 DEPTH: 0.00- 0.00 m

COUNTED BY Lounais-Suomen vesi- ja ympäristötutkimus Oy, SA ON 5/6/2019

CHAMBER VOLUME=25ml, DIAM=26mm

BIOMASS OF PHYTOPLANKTON COUNTED WITH Leica DMI3000 B:  
 429 units in 80 Kenttiä at 788x  
 1236 units in 2 Mittajana at 250x  
 299 units in 1 Pohja at 125x

COMMENT: Näytteessä tavattiin litoraalilajit Volvox aureus ja Spirogyra sp. Pohjamuodoista tavattiin Surirella linearis.

| Species                             | Size A/H | Volume | Units | Coeff. | Units/l | Units % | ww µg/l | ww %  |
|-------------------------------------|----------|--------|-------|--------|---------|---------|---------|-------|
| 2 21 CHROOCOCCALES                  | 4        | 5      | 3     | 5205   | 15615   | 0.48    | 0.08    | 0.01  |
| 2 21 CHROOCOCCALES                  | 14       | 47     | 1     | 5205   | 5205    | 0.16    | 0.24    | 0.04  |
| 2 25 ANABAENA SP. 'TWISTED'         | 4        | 1049   | 1     | 40     | 40      | 0.00    | 0.04    | 0.01  |
| 4 0 CRYPTOMONADALES                 | 3        | 94     | 5     | 5205   | 26025   | 0.80    | 2.45    | 0.35  |
| 4 0 CRYPTOMONADALES                 | 6        | 377    | 3     | 5205   | 15615   | 0.48    | 5.89    | 0.85  |
| 4 0 CRYPTOMONAS SP.                 | 2        | 754    | 3     | 817    | 2451    | 0.08    | 1.85    | 0.27  |
| 4 0 CRYPTOMONAS SP.                 | 3        | 1769   | 4     | 817    | 3268    | 0.10    | 5.78    | 0.84  |
| 4 0 CRYPTOMONAS SP.                 | 4        | 2257   | 4     | 817    | 3268    | 0.10    | 7.38    | 1.07  |
| 4 0 KATABLEPHARIS OVALIS SKUJA      | 1 HET    | 92     | 5     | 5205   | 26025   | 0.80    | 2.39    | 0.35  |
| 4 0 RHODOMONAS LACUSTRIS PASCH.&R   | 1        | 37     | 220   | 5205   | 1145100 | 35.18   | 42.37   | 6.12  |
| 4 0 RHODOMONAS LACUSTRIS PASCH.&R   | 3        | 122    | 58    | 5205   | 301890  | 9.28    | 36.83   | 5.32  |
| 5 0 PERIDINIUM SP.                  | 6        | 29910  | 1     | 40     | 40      | 0.00    | 1.20    | 0.17  |
| 6 62 CHRYSOCHROMULINA SP.           | 2        | 17     | 19    | 5205   | 98895   | 3.04    | 1.68    | 0.24  |
| 6 62 CHRYSOCHROMULINA SP.           | 3        | 25     | 1     | 5205   | 5205    | 0.16    | 0.13    | 0.02  |
| 6 63 MALLOMONAS AKROKOMOS RUTTN.    | 1        | 1010   | 1     | 817    | 817     | 0.03    | 0.83    | 0.12  |
| 6 63 MALLOMONAS SP.                 | 3        | 335    | 4     | 5205   | 20820   | 0.64    | 6.97    | 1.01  |
| 6 63 MALLOMONAS SP.                 | 4        | 837    | 1     | 5205   | 5205    | 0.16    | 4.36    | 0.63  |
| 6 63 PSEUDOPEDINELLA SP.            | 2        | 65     | 18    | 5205   | 93690   | 2.88    | 6.09    | 0.88  |
| 6 65 ASTERIONELLA FORMOSA HASS.     | 1        | 540    | 1198  | 817    | 978766  | 30.07   | 528.53  | 76.38 |
| 6 65 AULACOSEIRA AMBIGUA (GRUN.) SI | 4        | 650    | 16    | 40     | 640     | 0.02    | 0.42    | 0.06  |
| 6 65 AULACOSEIRA AMBIGUA (GRUN.) SI | 6        | 1570   | 133   | 40     | 5320    | 0.16    | 8.35    | 1.21  |
| 6 65 AULACOSEIRA GRANULATA V. ANGUS | 3        | 377    | 84    | 40     | 3360    | 0.10    | 1.27    | 0.18  |
| 6 65 AULACOSEIRA SP.                | 2        | 755    | 21    | 40     | 840     | 0.03    | 0.63    | 0.09  |
| 6 65 AULACOSEIRA SP.                | 3        | 1570   | 21    | 40     | 840     | 0.03    | 1.32    | 0.19  |
| 6 65 BACILLARIALES                  | 2        | 135    | 2     | 817    | 1634    | 0.05    | 0.22    | 0.03  |
| 6 65 BACILLARIALES                  | 3        | 198    | 2     | 817    | 1634    | 0.05    | 0.32    | 0.05  |
| 6 65 BACILLARIALES                  | 10       | 2640   | 1     | 40     | 40      | 0.00    | 0.11    | 0.02  |
| 6 65 EUPODISCALES                   | 2        | 14     | 2     | 5205   | 10410   | 0.32    | 0.15    | 0.02  |
| 6 65 EUPODISCALES                   | 4        | 135    | 1     | 5205   | 5205    | 0.16    | 0.70    | 0.10  |
| 6 65 FRAGILARIA CONSTRUENS (EHR.) G | 1        | 38     | 16    | 817    | 13072   | 0.40    | 0.50    | 0.07  |
| 6 65 SYNEDRA ACUS KÜTZ.             | 3        | 2400   | 1     | 40     | 40      | 0.00    | 0.10    | 0.01  |
| 6 65 SYNEDRA ACUS KÜTZ.             | 4        | 3200   | 1     | 40     | 40      | 0.00    | 0.13    | 0.02  |
| 6 65 SYNEDRA ACUS KÜTZ.             | 5        | 10080  | 1     | 40     | 40      | 0.00    | 0.40    | 0.06  |
| 7 74 ANKYRA JUDAYI (G.M.SM.) FOTT   |          | 71     | 3     | 817    | 2451    | 0.08    | 0.17    | 0.03  |
| 7 74 CHLOROCOCCALES                 | 2        | 24     | 2     | 5205   | 10410   | 0.32    | 0.25    | 0.04  |
| 7 74 MONORAPHIDIUM CONTORTUM (THUR. | 1        | 9      | 3     | 817    | 2451    | 0.08    | 0.02    | 0.00  |
| 7 74 MONORAPHIDIUM DYBOWSKII (WOLOS | 2        | 84     | 1     | 5205   | 5205    | 0.16    | 0.44    | 0.06  |
| 7 74 MONORAPHIDIUM MINUTUM (NÄG.) K | 1        | 32     | 1     | 5205   | 5205    | 0.16    | 0.17    | 0.02  |
| 7 74 PEDIASTRUM BORYANUM (TURP.) ME |          | 20096  | 3     | 40     | 120     | 0.00    | 2.41    | 0.35  |
| 7 74 PEDIASTRUM DUPLEX MEYEN        | 2        | 5024   | 1     | 40     | 40      | 0.00    | 0.20    | 0.03  |
| 7 74 SCENEDESMUS SP.                | 1        | 25     | 5     | 5205   | 26025   | 0.80    | 0.65    | 0.09  |
| 7 74 SCENEDESMUS SP.                | 4        | 151    | 1     | 5205   | 5205    | 0.16    | 0.79    | 0.11  |
| 7 74 TETRAEDRON MINIMUM V. TETRALOB |          | 56     | 10    | 5205   | 52050   | 1.60    | 2.91    | 0.42  |
| 7 75 CLOSTERIUM ACUTUM V. VARIABILE |          | 377    | 10    | 40     | 400     | 0.01    | 0.15    | 0.02  |
| 7 75 STAUSTRUM SP.                  | 2        | 921    | 4     | 40     | 160     | 0.00    | 0.15    | 0.02  |
| 9 92 FLAGELLATES SPP. AUTO (OVAL)   | 2        | 5      | 1     | 5205   | 5205    | 0.16    | 0.03    | 0.00  |
| 9 92 FLAGELLATES SPP. AUTO (OVAL)   | 3        | 19     | 9     | 5205   | 46845   | 1.44    | 0.89    | 0.13  |
| 9 92 FLAGELLATES SPP. AUTO (OVAL)   | 4        | 64     | 2     | 5205   | 10410   | 0.32    | 0.67    | 0.10  |
| 9 92 FLAGELLATES SPP. AUTO (SPHERE) | 3        | 33     | 7     | 5205   | 36435   | 1.12    | 1.20    | 0.17  |
| 9 92 FLAGELLATES SPP. AUTO (SPHERE) | 4        | 113    | 1     | 5205   | 5205    | 0.16    | 0.59    | 0.08  |
| 9 92 MONAD AUTOTROPHIC              | 1        | 6      | 4     | 5205   | 20820   | 0.64    | 0.12    | 0.02  |
| 9 92 MONAD AUTOTROPHIC              | 2        | 14     | 16    | 5205   | 83280   | 2.56    | 1.17    | 0.17  |
| 9 92 MONAD AUTOTROPHIC              | 3        | 24     | 9     | 5205   | 46845   | 1.44    | 1.12    | 0.16  |
| 9 92 MONAD AUTOTROPHIC              | 4        | 65     | 16    | 5205   | 83280   | 2.56    | 5.41    | 0.78  |
| 9 92 MONAD AUTOTROPHIC              | 6        | 180    | 3     | 5205   | 15615   | 0.48    | 2.81    | 0.41  |
| 2 CYANOPHYTA - CYANOPHYCEAE         |          |        | 5     |        | 20860   | 0.64    | 0.36    | 0.05  |
| 2 21 CHROOCOCCALES                  |          |        | 4     |        | 20820   | 0.64    | 0.32    | 0.05  |
| 2 25 NOSTOCALES                     |          |        | 1     |        | 40      | 0.00    | 0.04    | 0.01  |
| 4 CRYPTOPHYTA                       |          |        | 302   |        | 1523642 | 46.81   | 104.93  | 15.16 |
| 5 DINOPHYTA                         |          |        | 1     |        | 40      | 0.00    | 1.20    | 0.17  |
| 6 CHRYSOPHYTA                       |          |        | 1544  |        | 1246513 | 38.30   | 563.20  | 81.39 |
| 6 62 PRYMNESIOPHYCEAE               |          |        | 20    |        | 104100  | 3.20    | 1.81    | 0.26  |
| 6 63 CHRYSOPHYCEAE                  |          |        | 24    |        | 120532  | 3.70    | 18.25   | 2.64  |
| 6 65 DIATOMOPHYCEAE                 |          |        | 1500  |        | 1021881 | 31.40   | 543.14  | 78.49 |
| 7 CHLOROPHYTA                       |          |        | 44    |        | 109722  | 3.37    | 8.31    | 1.20  |
| 7 74 CHLOROPHYCEAE                  |          |        | 30    |        | 109162  | 3.35    | 8.01    | 1.16  |
| 7 75 CONJUGATOPHYCEAE               |          |        | 14    |        | 560     | 0.02    | 0.30    | 0.04  |
| 9 OTHER PHYTOPLANKTON               |          |        | 68    |        | 353940  | 10.87   | 14.01   | 2.02  |
| 9 92 MONADS AND FLAGELLATES         |          |        | 68    |        | 353940  | 10.87   | 14.01   | 2.02  |
| Total counted:                      |          |        | 1964  |        | 3254717 |         | 692.02  |       |
| Total autotrophs:                   |          |        | 1959  |        | 3228692 | 99.20   | 689.62  | 99.65 |
| Total heterotrophs:                 |          |        | 5     |        | 26025   | 0.80    | 2.39    | 0.35  |