Tables of All Top Organism Groups

Overall, the 12, 24 cutoffs most closely match the original individual groupings.

Some groups could just be two size groups

12/19/22 After meeting with Wim, determined that 2 size groups for all are sufficient,

<15µm and

>= 15µm

|  |  |  |  |
| --- | --- | --- | --- |
| Centric Diatoms | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **< 16, >= 16 µm esd size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 497.58 | 497.58 | 497.58 |
| medium | 52.51 |  | 52.51 |
| large | 391.69 | 444.20 | 391.69 |

|  |  |  |  |
| --- | --- | --- | --- |
| Pennate Diatoms | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **<10, 11-22, >22 size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 157.66 | 133.31 | 147.40 |
| medium | 60.22 | 83.19 | 70.43 |
| large | 17.00 | 18.37 | 17.04 |

|  |  |  |  |
| --- | --- | --- | --- |
| Flagellate Cryptomonas | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **< 7.25, 7.25-12, >12 µm esd size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 877.32 | 805.35 | 877.32 |
| medium | 10.85 | 71.96 | 10.85 |
| large | no large | 10.85 | no large |

|  |  |  |  |
| --- | --- | --- | --- |
| Flagellate Other | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **< 7.25, 7.25-18, >18 µm esd size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 672.42 | 636.44 | 671.21 |
| medium | 2.35 | 36.06 | 3.56 |
| large | 2.74 | 5.00 | 2.74 |

|  |  |  |  |
| --- | --- | --- | --- |
| Ciliate Cone and Round | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **< 12, 12-24, >24 µm esd original size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 154.23 | 85.62 | 85.62 |
| medium | 208.76 | 277.37 | 277.37 |
| large | 10.53 | 10.53 | 10.53 |

|  |  |  |  |
| --- | --- | --- | --- |
| Unidentified Round | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **< 14, 14-28, >28 µm esd original size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 754.88 | 732.54 | 735.54 |
| medium | 85.39 | 109.74 | 22.56 |
| large | 5.34 | 3.33 | 90.52 |

|  |  |  |  |
| --- | --- | --- | --- |
| Cyanobacteria, All | | | |
| total mean  CPM | **<15, 15-25, >25 µm esd size groups** | **µm esd original size groups** | **<12, 12-24, >24 µm esd size groups** |
| small | 53.83 |  | 26.21 |
| medium | 86.58 |  | 114.20 |
| large | 5.46 |  | 5.46 |

One size?

Other category had only 20 observations

Aphanizomenon Small = 11.04-15.72 µm ESD

Large = 19.73-31.32 µmESD

Dolichospermum 6.75-24.00 µm ESD

1/27/23

Final Groups:

|  |  |
| --- | --- |
| Taxa Group | Other taxa included |
| (Small, < 15 µm Large, ≥ 15 µm; for each group) |  |
| Chlorophytes |  |
| Cyanobacteria | All cyano |
| Ciliates | Tintinnids |
| Centric Diatoms |  |
| Pennate Diatoms | chain, other |
| Flagellates | synura |
| Unidentified |  |