**Table S1:** Overview of sampling depths and abundances

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Gear | Community samples, depth intervals (m) | *Calanus glacialis* abundance (103 ind. m-2) | *Calanus finmarchicus* abundance (103 ind. m-2) | Relative abundance *C. glacialis*:*C. finmarchicus* |
|
| 29.06.15 | MPS (200 µm)  | 180-150-100-50-20-0 | 115.0 | 35.0 | 3.3 |
| 14.07.15 | WP2 (200 µm) | 260-200-100-50-20-0 | 40.6 | 49.2 | 0.8 |
| 24.07.15 | MPS (200 µm) | 250-150-100-50-20-0 | 49.2 | 56.1 | 0.9 |
| 24.08.15 | MPS (200 µm) | 250-150-100-50-20-0 | 51.6 | 24.6 | 2.2 |
| 15.09.15 | MPS (200 µm) | 250-150-100-50-20-0 | 340.4 | 54.5 | 6.3 |
| 20.10.15 | MPS (200 µm) | 262-200-100-50-20-0 | 53.0 | 30.1 | 1.8 |
| 02.11.15 | MPS (200 µm) | 260-200-100-50-20-0 | 37.1 | 31.9 | 1.2 |
| 01.12.15 | MPS (200 µm) | 243-200-100-50-20-0 | 37.7 | 25.8 | 1.4 |
| 11.01.16 | MPS (200 µm) | 258-200-100-50-20-0 | 21.3 | 10.0 | 2.2 |
| 18.01.16 | MPS (200 µm) |  - |  |  |  |
| 17.02.16 | WP2 (200 µm) | 250-100-50-20-0 | 41.9 | 27.3 | 1.5 |
| 21.03.16 | WP2 (200 µm) | 250-100-50-20-0 | 10.5 | 8.2 | 1.3 |
| 04.04.16 | WP2 (200 µm) | 260-100-50-20-0 | 12.7 | 17.7 | 0.7 |
| 02.05.16 | MPS (200 µm) |  - |  |  |  |
| 15.05.16 | MPS (200 µm) | 260-200-100-50-20-0 | 5.5 | 1.5 | 1.4 |
| 05.06.16 | MPS (200 µm) | 260-200-100-50-20-0 | 173.1 | 21.8 | 9.0 |
| 05.07.16 | MPS (200 µm) | 260-200-100-50-20-0 | 88.0 | 44.8 | 1.9 |
| 31.08.16 | MPS (200 µm) | 260-200-100-50-20-0 | 52.1 | 18.2 | 2.9 |