Table S1. Catch information from stations where the Åkra trawl (Åkra) was used to sample the DSL. The Åkra trawl has varying mesh sizes with huge meshes (several meters) in the front part and with smaller and smaller meshes along the trawl. In the cod end, where the fish are retained, the mesh size is 8 mm. The speed of trawling varied from 2.1-3.0 knots during the tows shown here.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Station** | **Latitude** | **Longitude** | **Gear** | **Month** | **Day** | **StartTime** | **StopTime** | **Depth from** | **Depth to** | **Species** | **Catch rate kg/nmi** |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Gammarus wilkitzkii | 0.003 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Meganyctiphanes norvegica | 0.124 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Benthosema glaciale | 0.046 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Periphylla periphylla | 0.492 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Sagitta | 0.016 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Sergestes arcticus | 0.001 |
| 151 | 81.5606 | 15.2937 | Åkra1 | 08 | 23 | 0745 | 0814 | 350 | 450 | Themisto libellula | 1.443 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Cyanea capillata | 0.032 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Gammarus wilkitzkii | 0.003 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Hydroida | 0.134 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Meganyctiphanes | 0.017 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Benthosema glaciale | 0.032 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Sebastes | 0.001 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Sergestes arcticus | 0.001 |
| 154 | 81.3716 | 14.9276 | Åkra1 | 08 | 24 | 2224 | 2254 | 345 | 434 | Themisto | 1.107 |
| 180 | 79.6945 | 05.1679 | Åkra | 09 | 01 | 1532 | 1611 | 369 | 000 | Meganyctiphanes norvegica | 0.039 |
| 180 | 79.6945 | 05.1679 | Åkra | 09 | 01 | 1532 | 1611 | 369 | 000 | Benthosema glaciale | 0.163 |
| 180 | 79.6945 | 05.1679 | Åkra | 09 | 01 | 1532 | 1611 | 369 | 000 | Themisto libellula | 0.008 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Arctozenus risso | 0.012 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Gadus morhua | 1.036 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Gonatus | 0.01 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Meganyctiphanes norvegica | 0.016 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Benthosema glaciale | 0.05 |
| 181 | 79.6932 | 05.9063 | Åkra | 09 | 02 | 0544 | 0633 | 350 | 000 | Themisto libellula | 0.003 |
| 184 | 79.7590 | 06.3495 | Åkra1 | 09 | 03 | 1436 | 1506 | 258 | 400 | Meganyctiphanes | 0.001 |
| 184 | 79.7590 | 06.3495 | Åkra1 | 09 | 03 | 1436 | 1506 | 258 | 400 | Periphylla periphylla | 0.348 |

1 with a Multisamplerattached (see text for explanation)