|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SI Table 1. Plankton groups present in the PELAGRA traps** | | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Group** | 200 m (IN) | 200 m (OUT) | 450 m (IN) | 450 m (OUT) |
| ***Diatoms*** |  |  |  |  |
| ***Pennate diatoms*** |  |  |  |  |
| *Ephemera cf. planamembranacea* | ++ | ++ | ++ | ++ |
| *Fragilariopsis kerguelensis* | ++ | ++ | ++ | ++ |
| *Fragilariopsis rhombica/seperanda* | ++ | ++ | ++ | ++ |
| *Haslea sp.* | ++ | ++ | ++ | ++ |
| *Lennoxia (large)* | - | - | + | - |
| *Lennoxia (small)* | ++ | ++ | ++ | ++ |
| *Pseudo-nitzschia heimii* | + | + | + | ++ |
| *Pseudo-nitzschia lineola* | ++ | ++ | ++ | + |
| *Pseudo-nitzschia turgidula* | ++ | ++ | ++ | ++ |
| *Thalassionema nitzschioides* | ++ | ++ | ++ | ++ |
| *Thalassionema n. var. lanceolatum* | + | + | ++ | + |
| ***Centric diatoms*** |  |  |  |  |
| *Actinocyclus sp.* | ++ | + | + | + |
| *Asteromphalus hookeri/parvulus* | + | + | ++ | ++ |
| *Asteromphalus hyalinus* | - | - | ++ | + |
| *Azpeitia sp.* | + | + | + | + |
| *Chaetoceros convolutus* | - | + | + | - |
| *Chaetoceros* sp. spore | ++ | ++ | ++ | ++ |
| *Corethron inerme* | + | + | ++ | + |
| *Corethron pennatum (large)* | + | + | + | ++ |
| *Corethron pennatum (small)* | ++ | ++ | ++ | ++ |
| *Eucampia antarctica* | + | + | + | + |
| *Proboscia alata* | + | + | ++ | ++ |
| *Rhizosolenia curvata* | - | - | ++ | + |
| *Rhizosolenia sp.* | - | - | + | + |
| *Thalassiosira gracilis* | + | + | + | + |
| *Thalassiosira oestrupii* | + | + | + | + |
| *Thalassiosira lentiginosa* | ++ | ++ | ++ | ++ |
| *Thalassiosira spp.* | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Flagellates*** |  |  |  |  |
| *Choanoflagellate* | ++ | ++ | ++ | ++ |
| *Emiliania huxleyi* | ++ | ++ | ++ | ++ |
| *Flagellate sp.* | ++ | ++ | ++ | ++ |
| *Phaeocystis antarctica* | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Coccoid cells*** | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Dinoflagellates*** |  |  |  |  |
| *Ceratium pentagonum* | ++ | ++ | ++ | ++ |
| *Gyrodinium* | ++ | ++ | ++ | ++ |
| *Nematodinium* | - | - | ++ | - |
| *Podolampas sp.* | ++ | ++ | ++ | ++ |
| *Prorocentrum spp.* | ++ | ++ | ++ | ++ |
| *Protoperidinium spp.* | ++ | ++ | ++ | ++ |
| *naked dinoflagellate* | ++ | ++ | ++ | ++ |
| *thecate dinoflagellate* | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Ciliates (tintinnid ciliates)*** |  |  |  |  |
| *Acanthostomella norvegica* | + | + | + | + |
| *Codonellopsis gausii* | + | - | + | - |
| *Codonellopsis pusilla* | + | - | + | - |
| *Cymatocylis antarctica* | + | + | + | + |
| *Cymatocylis vanhoffeni* | + | + | + | + |
| *Stenosomella avellana* | + | + | + | + |
|  |  |  |  |  |
| ***Foraminifera*** |  |  |  |  |
| *Globigerina buloides /* | ++ | ++ | ++ | ++ |
| *Turborotalita quinqueloba\** |  |  |  |  |
| *Neogloboquadrina sp.* | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Radiolaria*** |  |  |  |  |
| *Nasselaria spp.* | + | + | + | + |
| *Spumellaria spp.* | + | + | + | + |
|  |  |  |  |  |
| ***Heliozoa*** |  |  |  |  |
| *Sticholonche zanclea* | ++ | ++ | ++ | ++ |
|  |  |  |  |  |
| ***Silicoflagellates*** |  |  |  |  |
| *Dictyocha* spp. | + | + | + | + |
|  |  |  |  |  |
| -: nothing |  |  |  |  |
| +: empty and/or broken |  |  |  |  |
| ++: full and empty/broken |  |  |  |  |
| *\* were not distinguished and together referred to as spinose foraminifera* | | | |  |