

# Mingulay reef complex: an interdisciplinary study of cold-water coral habitat, hydrography and biodiversity

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## Supplement 1. List of species recorded from the Mingulay reef complex. ?: tentative identification

### Annelida (1 species)

1 unidentified Annelida species

### Annelida: Polychaeta (83 species)

*Acanthicolepis asperrima* (Sars 1861)

*Aphrodita aculeata* Linnaeus 1758

*Asclerocheilus intermedius* (Saint-Joseph 1894)

?*Ditrupa* ?*arietina*

*Eulalia tjalfiensis* Ditlevsen 1917

*Eunice norvegica* (Linnaeus 1767)

?*Eunoe nodosa* (Sars 1861)

*Euphrosine borealis* Orsted 1843

*Hydroides norvegica* Gunnerus 1768

*Lanassa venusta* (Malm 1874)

*Laonice* cf. *bahusiensis* Söderström 1920

*Lepidonotus squamatus* (Linnaeus 1758)

?*Lumbrineris agastos* (Fauchald 1974)

*Metavermilium multicristata* (Philippi 1844)

*Nematoneis hebes* Verrill 1900

*Nereimyra punctata* (Müller 1788)

?*Polycirrus arcticus* Sars 1865

*Prionospio banyulensis* Laubier 1966

*Sabellaria spinulosa* Leuckart 1849

*Serpula vermicularis* Linnaeus 1767

*Sphaerodorum gracilis* (Rathke 1843)

*Spiophanes kroeyeri* Grube 1860

?*Fimbriosthenelais zetlandica* McIntosh 1876

?*Syllis cornuta* Rathke 1843

?*Syllis* cf. *variegata* Grube 1860

*Trypanosyllis zebra* (Grube 1840)

1 unidentified *Amphicteis* species

1 unidentified *Amphiglena* species

1 unidentified *Chone* species

1 unidentified *Euchone* species

1 unidentified *Eunice* species

1 unidentified *Glycera* species

1 unidentified *Harmothoe* species

2 unidentified *Lumbrineris* species

1 unidentified *Marphysa* species

1 unidentified ?*Neohololepidella* species

1 unidentified *Notomastus* species

1 unidentified *Orbinia* species

1 unidentified *Polycirrus* species

1 unidentified *Polydora* species

1 unidentified *Proscalibregma* species

1 unidentified *Protula* species

1 unidentified *Pseudomalacoceros* species

1 unidentified *Scionella* species

1 unidentified *Sigalion* species

1 unidentified *Syllis* species

1 unidentified Ampharetidae species

1 unidentified Capitellidae species

1 unidentified Glyceridae species

1 unidentified Goniadidae species

1 unidentified Hesionidae species

4 unidentified Maldanidae species

1 unidentified Nephtyidae species

1 unidentified Onuphidae species

1 unidentified Ophellidae species

1 unidentified Pectinariidae species

1 unidentified Phyllodocidae species

4 unidentified Polynoidae species

5 unidentified Sabellidae species

2 unidentified Scalibregmidae species

2 unidentified Serpulidae species

1 unidentified Spionidae species

2 unidentified Syllidae species

5 unidentified Terebellidae species

1 unidentified Polychaeta species

### Brachiopoda (2 species)

*Terebratulina septentrionalis* (Couthouy 1838)

*Terebratulina retusa* (Linnaeus 1758)

### Bryozoa (36 species)

*Alderina imbellis* (Hincks 1860)

*Amphiblestrum flemingii* (Busk 1854)

*Anarthropora monodon* (Busk 1860)

*Bicellariella ciliata* (Linnaeus 1758)

*Caberea ellisii* (Fleming 1814)

## Supplement 1 (continued)

*Celleporina pygmaea* (Norman 1868)  
*Chartella barleei* (Busk 1860)  
*Crisia eburnea* (Linnaeus 1758)  
*Diplosolen obelia* (Johnston 1838)  
*Disporella hispida* (Fleming 1828)  
*Entalophoroecia deflexa* (Couch 1842)  
*Escharella octodentata* (Hincks 1880)  
*Haplopoma sciaphilum* Silén & Harmelin 1976  
*Hemicyclopora polita* (Norman 1864)  
*Hippothoa flagellum* Manzoni 1870  
*Idmidronea atlantica* (Forbes, in Johnston 1847)  
*Omalosecosa ramulosa* (Linnaeus 1767)  
 cf. *Oncousoecia dilatans* (Johnston 1847)  
*Plagioecia patina* (Lamarck 1816)  
*Pyripora catenularia* (Fleming 1828)  
*Ramphonotus minax* (Busk 1860)  
*Reteporella beaniana* (King 1846)  
*Schizomavella discoidea* (Busk 1859)  
*Schizomavella linearis* (Hassall 1841)  
*Smittina crystallina* (Norman 1867)  
*Smittoidea reticulata* (MacGillivray 1842)  
*Turbicellepora avicularis* (Hincks 1860)  
 6 unidentified Cheilostomata species  
 3 unidentified Cyclostomata species

**Cnidaria (29 species)**

*Bougainvillia muscus* (Van Beneden 1844)  
*Calycella syringa* (Linnaeus 1758)  
*Campanulina panicula* Sars 1874  
*Clytia hemisphaerica* (Linnaeus 1767)  
*Halecium muricatum* (Ellis & Solander 1786)  
*Halopteris catharina* (Johnston 1833)  
*Lafoea dumosa* (Fleming 1820)  
*Lytocarpia myriophyllum* (Linnaeus 1758)  
*Moderia rotunda* (Quoy & Gaimard 1827)  
*Parazoanthus anguicomus* (Norman 1868)  
*Plumularia setacea* (Linnaeus 1758)  
*Schizotracha frutescens* (Ellis & Solander 1786)  
*Sertularella tenella* (Alder 1856)  
*Swiftia pallida* Madsen 1970  
 1 unidentified *Campanularia* species  
 1 unidentified *Eudendrium* species  
 1 unidentified *Halecium* species  
 1 unidentified *Laomedea* species  
 1 unidentified *Tubularia* species  
 1 unidentified Bougainvilliidae species  
 1 unidentified Cytaeidae species  
 1 unidentified Tubulariidae species  
 1 unidentified capitate athecate hydroid species  
 1 unidentified erect athecate hydroid species  
 1 unidentified erect thecate hydroid species  
 1 unidentified stolonal athecate hydroid species  
 3 unidentified actiniarian species

**Crustacea (40 species)**

*Acidostoma nodiferum* Stephensen 1923  
*Aristias neglectus* Hansen 1887  
*Calocaris macandreae* Bell 1846  
*Ebalia cranchii* Leach 1817  
*Ebalia tuberosa* (Pennant 1777)  
*Erichthonius difformis* Milne-Edwards 1830  
*Galathea strigosa* (Linnaeus 1767)  
*Gnathia dentata* (Sars 1872)  
*Janira maculosa* Leach 1814  
*Leptocheirus pectinatus* (Norman 1869)  
*Metopa pusilla* Sars 1892  
*Munida rugosa* (Fabricius 1775)

*Pandalus propinquus* Sars 1870  
*Pilumnus hirtellus* (Linnaeus 1761)  
*Stenothoe marina* (Bate 1856)  
*Stenopleustes nodifer* (Sars 1882)  
*Tryphosella sarsi* Bonnier 1893  
*Verruca stroemia* Müller 1776  
 1 unidentified *Atylus* species  
 1 unidentified *Munna* species  
 1 unidentified Arcturidae species  
 1 unidentified Brachyura species  
 1 unidentified Caprellidae species  
 1 unidentified Cirolanidae species  
 1 unidentified Copepoda species  
 1 unidentified Galatheidae species  
 1 unidentified Nereicolidae species  
 1 unidentified Paguridae species  
 1 unidentified Stenothoidae species  
 1 unidentified Lysianassidae species  
 8 unidentified Amphipoda  
 2 unidentified Crustacea

**Echinodermata (18 species)**

*Amphipholis squamata* (Delle Chiajei 1829)  
*Amphiura chiajei* Forbes 1843  
*Amphiura filiformis* (Müller 1776)  
*Antedon bifida* (Pennant 1777)  
*Ophiactis balli* (Thompson 1840)  
*Ophiothrix fragilis* (Abildgaard 1789)  
*Ophiura albida* Forbes 1839  
*Ophiopholis aculeata* (Linnaeus 1767)  
*Parastichopus tremulus* (Gunnerus, 1767)  
 1 unidentified *Ophiothrix* species  
 1 unidentified Asteroidea species  
 1 unidentified Crinoidea species  
 2 unidentified Ophiuroidea species  
 4 unidentified Holothuroidea species

**Entoprocta (1 species)**

1 unidentified Entoprocta species

**Mollusca (29 species)**

*Abra longicallus* (Scacchi 1834)  
*Abra nitida* (Müller 1776)  
*Arcopagia crassa* (Pennant 1777)  
*Astarte sulcata* (da Costa 1778)  
*Palliolum striatum* (Müller 1776)  
*Comarmondia gracilis* (Montagu 1803)  
*Corbula gibba* (Olivi 1792)  
*Emarginula fissura* (Linnaeus 1758)  
*Hanleya ?hanleyi* (Bean in Thorpe 1844)  
*Heteranomia squamula* (Linnaeus 1758)  
*Hiatella arctica* (Linnaeus 1767)  
*Kellia suborbicularis* (Montagu 1803)  
*Modiolus modiolus* (Linnaeus 1758)  
*Nucula sulcata* Bronn 1831  
*Pododesmus patelliformis* (Linnaeus 1761)  
*Raphitoma ?linearis* (Montagu 1803)  
*Timoclea ovata* (Pennant 1777)  
*Trivia arctica* (Pultenay 1799)  
*Yoldiella philippiana* (Nyst 1845)  
 1 unidentified *Thyasira* species  
 1 unidentified Aplacophora species  
 2 unidentified Bivalvia species  
 2 unidentified Gastropoda species  
 1 unidentified Pectinidae species  
 1 unidentified Polyplacophora species  
 1 unidentified Mollusca species

## Supplement 1 (continued)

**Nematoda (8 species)**

8 unidentified Nematoda species

**Nemertea (1 species)**

1 unidentified Nemertea species

**Porifera (100 species)**

*Acanthella erecta* (Carter 1876)  
*Alectona millari* Carter 1879  
*Amphilectus fucorum* (Esper 1794)  
*Antho (Antho) brattegardii* van Soest & Stone 1986  
*Antho (Antho) inconstans* (Topsent 1925)  
*Aphroceras ensata* (Bowerbank 1858)  
*Aplysilla rosea* (Barrois 1876)  
*Axinella infundibuliformis* (Linnaeus 1759)  
*Biemna variantia* (Bowerbank 1858)  
*Bubaris vermiculata* (Bowerbank 1866)  
*Characella pachastrelloides* (Carter 1876)  
*Chelonaplysilla arenosa* (Topsent 1925)  
*Cladocroce spatula* (Lundbeck 1902)  
*Clathria (Clathria) barleei* (Bowerbank 1866)  
*Clathria (Microciona) armata* (Bowerbank 1866)  
*Clathria (Microciona) atoxa* Topsent 1928  
*Clathria (Microciona) basifixa* (Topsent 1913)  
*Clathria (Microciona) ditoxa* Stephens 1916  
*Clathria (Microciona) elliptichela* Alander 1942  
*Clathria (Microciona) gradalis* Topsent 1925  
*Clathria (Microciona) laevis* (Bowerbank 1866)  
*Clathria (Microciona) strepsitoxa* (Carter & Hope 1889)  
*Clathrina reticulum* (Schmidt 1862)  
*Cliona caledoniae* van Soest & Beglinger 2009  
*Cliona ?celata* Grant 1826  
*Cliona lobata* Hancock 1849  
*Crella (Pytheas) schottlaenderi* (Arndt 1913)  
*Desmacella inornata* (Bowerbank 1866)  
*Dysidea fragilis* (Montagu 1818)  
*Eurypon clavatum* (Bowerbank 1866)  
*Eurypon coronula* (Bowerbank 1874)  
*Eurypon radiatum* (Bowerbank 1866)  
*Forcepia (Forcepia) forcipis* (Bowerbank 1866)  
*Forcepia (Leptolabis) luciensis* (Topsent 1888)  
*Geodia barretti* Bowerbank 1858  
*Geodia cydonium* (Jameson 1811)  
*Haliclona (Gellius) bioxeata* (Boury-Esnault, Pansini & Uriz 1994)  
*Haliclona (Gellius) flagellifera* (Ridley & Dendy 1886)  
*Haliclona (Haliclona) urceolus* (Rathke & Vahl 1806)  
*Haliclona (Reniera) cinerea* (Grant 1826)  
*Haliclona (Rhizoniera) indistincta* (Bowerbank 1866)  
*Halisarca dujardini* Johnston 1842  
*Hexadella dedritifera* Topsent 1913  
*Hymedesmia (Hymedesmia) baculifera* (Topsent 1901)  
*Hymedesmia (Hymedesmia) bocki* Alander 1942  
*Hymedesmia (Hymedesmia) bowerbanki* Lundbeck 1910  
*Hymedesmia (Hymedesmia) aff. chlorosa* Alander 1942  
*Hymedesmia (Hymedesmia) cohesibacilla* Goodwin & Picton 2009  
*Hymedesmia (Hymedesmia) dubia* Lundbeck 1910  
*Hymedesmia (Hymedesmia) helgae* Stephens 1921  
*Hymedesmia (Hymedesmia) koehleri* (Topsent 1896)  
*Hymedesmia (Hymedesmia) paupertas* (Bowerbank 1886)  
*Hymedesmia (Hymedesmia) pustula* (Fristed 1887)  
*Hymedesmia (Hymedesmia) peachi* Bowerbank 1882  
*Hymedesmia (Hymedesmia) simillima* Lundbeck 1910  
*Hymedesmia (Hymedesmia) tenuicula* Lundbeck 1910  
*Hymedesmia (Hymedesmia) zetlandica* Bowerbank 1864  
*Hymedesmia (Stylopus) coriacea* (complex) (Fristedt 1885)  
*Hymedesmia (Stylopus) fristedti* (Topsent 1916)  
*Hymedesmia (Stylopus) gustafsoni* (Alander 1942)  
*Hymedesmia (Stylopus) hibernica* Stephens 1921  
*Hymedesmia (Stylopus) primitiva* Lundbeck 1910  
*Hymedesmia (Stylopus) stylifera* (Alander 1942)  
*Hymenancora conjungens* Lundbeck 1910  
*Hymeniacion kitchingi* (Burton 1935)  
*Hymeraphia stellifera* Bowerbank 1864  
*Iophon piceum* (Vosmaer 1882)  
*Iophon spinulentum* (Bowerbank 1866)  
*Iotroata acanthostylifera* (Stephens 1916)  
*Isops phlegraei* Sollas 1880  
*Lissodendoryx (Ectydoryx) jenjonesae* Picton & Goodwin 2007  
*Melonanchora emphysema* (Schmidt 1875)  
*Mycale (Aegogropila) tunicata* (Schmidt 1862)  
*Mycale (Carmia) fascibula* (Topsent 1904)  
*Mycale (Mycale) lingua* (Bowerbank 1866)  
*Myxilla (Myxilla) fimbriata* (Bowerbank 1866)  
*Myxilla (Myxilla) rosacea* (Lieberkühn 1859)  
*Pachymatisma johnstonia* Bowerbank 1842  
*Paratimea constellata* (Topsent 1893)  
*Phakellia ventilabrum* (Linnaeus 1767)  
*Pione vastifica* (Hancock 1849)  
*Pleraplysilla spinifera* (Schulze 1879)  
*Plocamionida ambigua* (Bowerbank 1866)  
*Poecillastra compressa* (Bowerbank 1866)  
*Protosuberites denhartogi* van Soest & de Kluijver 1993  
*Protosuberites incrustans* (Hansen 1885)  
*Radiella sarsi* (Ridley & Dendy 1886)  
*Raspailia (Raspailia) virgultosa* (Bowerbank 1866)  
*Sphaerotylus capitatus* (Vosmaer 1885)  
*Spiroxya levispira* (Topsent 1898)  
*Spongionella pulchella* (Sowerby 1804)  
*Spongisorites coralliophaga* (Stephens 1915)  
*Stelletta lactea* Carter 1871  
*Stryphnus ponderosus* (Bowerbank 1866)  
*Sycon villosum* (Haeckel 1870)  
*Thrombus abyssi* (Carter 1873)  
1 unidentified *Haliclona* species  
1 unidentified *Hemigellius* species  
1 unidentified *Plocamionida* species  
1 unidentified *Protosuberites* species  
**Sipuncula (5 species)**  
*Aspidosiphon muelleri* Diesing 1851  
1 unidentified *Phascalion* species  
3 unidentified *Sipuncula* species  
**Tunicata (5 species)**  
? *Polycarpa pomaria* (Savigny 1816)  
*Pyura squamulosa* (Alder 1863)  
*Styela ?coriacea* (Alder & Hancock 1848)  
2 unidentified *Tunicata* species