

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. *Oncosoecia 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)
Schizotricha 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 Stenothoidea 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) styliifera (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