

Appendix A: Species of benthic foraminifera of the Murray ridge, with reference to plates and figures in the literature.

Agglutinated species	References
<i>Adercotryma glomeratum</i> (Brady, 1878)	Jones (1994), pl. 34, figs. 15-18
<i>Ammolagena clavata</i> (Jones and Parker 1860)	Jones (1994), pl. 41, figs. 12-16
<i>Ammoscalaria pseudospiralis</i> (Williamson, 1858)	Jones (1994), pl. 33, figs. 1-4
<i>Ammoscalaria tenuimargo</i> (Brady, 1882)	Jones (1994), pl. 33, figs. 13-16
<i>Ammoscalaria</i> sp.	Our specimens are characterized by a more coiled test at the base than <i>Ammoscalaria tenuimargo</i> .
<i>Ammodiscus</i> sp.	Maas (2000) <i>A. cretaceus</i> (Reuss, 1845), pl. 1, fig. 2 Jannink et al.(1998) <i>Ammodiscus</i> sp., pl. 1, fig. 2 Schumacher et al. (2007) <i>Ammodiscus</i> sp.1, pl. 1, fig. 21
<i>Ammobaculites cylindricus</i> (Cushman, 1910)	Jones (1994), pl. 33, fig. 6
<i>Ammobaculites agglutinans</i> (d'Orbigny, 1846)	Jones (1994), pl. 32, figs 19-20, 24-26
<i>Buzasina ringens</i> (Brady, 1879)	Jones (1994), pl. 40, figs. 17-18
<i>Cribrostomoides brady</i> (Robertson, 1891)	Timm (1992), pl. 3, fig. 13
<i>Cribrostomoides</i> cf. <i>jeffreysi</i> (Williamson, 1858)	Maas (2000), <i>Labrospira</i> sp., pl. 1, fig. 1
<i>Cribrostomoides scitulum</i> (Brady, 1881)	Jones (1994) <i>Veloroninoides scitulus</i> , pl. 34, figs. 11-13
<i>Cribrostomoides subglobosus</i> (Cushman, 1910)	Jones (1994), pl. 34, figs. 8-10
<i>Cribrostomoides</i> spp.	
<i>Cystammina</i> sp.	Triserial test with more inflated chambers than <i>Cystammina pauciloculata</i> . The test is finely grained.
<i>Cyclammina cancellata</i> (Brady, 1879)	Jones (1994), pl. 37, figs. 8-16
<i>Dorothia scabra</i> (Brady, 1884)	Jones (1994), pl. 46, fig. 7
<i>Eggerella bradyi</i> (Cushman, 1911)	Jones (1994), pl. 47, figs. 4-7
<i>Eggerelloides scabra</i> (Williamson, 1858)	Jones (1994), pl. 47, figs. 15-17
<i>Eggerelloides advena</i> (Cushman, 1922)	Schiebel (1992), pl. 8, fig. 3
<i>Evolutinella rotulata</i> (Brady, 1881)	Jones (1994), pl. 34, figs. 5-6
<i>Glaphyrammina americana</i> (Cushman, 1910)	Jones (1994), pl. 34, figs. 1-4
<i>Globotextularia</i> spp.	

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<i>Glomospira charoides</i> (Jones and Parker, 1860)	Jones (1994) <i>Usbekistania charoides</i> , pl. 38, figs. 10-16
<i>Glomospira gordialis</i> (Jones and Parker, 1860)	Jones (1994), pl. 38, figs. 7-8
<i>Haplophragmoides</i> spp.	
<i>Hormosina globulifera</i> (Brady 1879)	Jones (1994), pl. 39, figs. 1-4, 6
<i>Hormosina guttifer</i> (Brady, 1881)	Jones (1994), pl. 31, figs. 10-15
<i>Hormosina</i> sp. 1	Our specimens present a test composed of 4 chambers. Chambers are flattened and tightly connected. Test grains are medium-coarse.
<i>Hormosina</i> sp. 2	Short test composed of few flattened chambers.
<i>Karrerulina conversa</i> (Grzybowski, 1901)	Jones (1994), pl. 46, figs. 17-19
<i>Labrospira</i> spp.	
<i>Lagenammina difflugiformis</i> (Brady, 1879)	Mackensen et al. (1990), pl. 6, fig. 9
<i>Lagenammina tubulatum</i> (Rhumbler, 1931)	Timm (1992), pl. 1, fig. 14
<i>Lagenammina</i> sp.	More elongated test than <i>Lagenammina difflugiformis</i>
<i>Martinotiella communis</i> (d'Orbigny, 1846)	Jones (1994), pl. 48, figs. 1-2, 4-8, 3?
<i>Paratrochamina challenger</i> (Brönnimann and Whittaker, 1988)	Brönnimann and Whittaker (1988), pl. 16, figs. h-k
<i>Portatrochammina bipolaris</i> (Brönnimann and Whittaker, 1988)	Brönnimann and Whittaker (1988), pl.20-31
<i>Psammosphaera fusca</i> (Schulze, 1875)	Jones (1994), pl. 18, figs. 1-8
<i>Pseudotrochammina</i> spp.	
<i>Recurvoides contortus</i> (Earland, 1934)	Loeblich and Tappan (1988), pl. 68, figs. 7-14
<i>Recurvoides</i> spp.	
<i>Reopahx agglutinans</i> (Cushman, 1913)	Jones (1994), pl. 30, fig. 13
<i>Reophax bilocularis</i> (Flint, 1899 Plate 1, fig. 22)	Schmiedl et al. (1997), pl. 1, figs. 3-4
<i>Reophax dentaliniformis</i> (Brady, 1881)	Jones (1994), pl. 30, figs. 21-22
<i>Reophax fusiformis</i> (Williamson, 1858)	Maas (2000) <i>Nouria ploymorphoides</i> Heron-Allen and Earland, 1914, pl. 1, fig. 3
<i>Reophax gaussicus</i> (Rhumbler, 1913)	Jones (1994), pl. 31, figs. 1-2
<i>Reophax longicollis</i> (Wiesner, 1931)	Timm (1992), pl. 1, fig. 10
<i>Reophax membranaceus</i> (Brady, 1879)	Jones (1994), pl. 32, figs. 1-4
<i>Reophax micaceus</i> (Earland, 1934)	Timm (1992), pl. 2, fig. 6

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<i>Reophax nodulosus</i> (Brady, 1879)	Jones (1994), pl. 31, figs. 6-9
<i>Reophax scorpiurus</i> (Montfort, 1808, Plate 1, fig. 23)	Schröder (1986), pl. 14, figs. 1-5, pl. 23
<i>Leptohalysis scotti</i> (Chaster, 1892)	Mojtahid (2008) <i>Reophax scotti</i> , pl. 2-7, fig. 38
<i>Reophax subfusiformis</i> (Earland, 1933)	Timm (1992), pl. 2, fig. 1
<i>Reophax</i> cf. <i>spiculifer</i>	Test slightly curved. Elongated chambers relatively finely grained. Timm (1992), <i>Reophax spiculifer</i> , pl. 2, fig. 7
<i>Reophax</i> spp.	
<i>Saccamina sphaerica</i> (Brady, 1871)	Jones (1994), pl. 18, figs. 11-15
<i>Siphotextularia bermudezi</i> (Mikhalevich, 1978)	Schiebel (1992), pl. 6, fig. 16
<i>Spiroplectamina</i> spp.	
<i>Technitella legumen</i> (Norman, 1878)	Jones (1994), pl. 25, figs. 8-10
<i>Textularia</i> sp. 1	Biserial test composed of coarse grains. Small simple aperture.
<i>Textularia</i> sp. 2	Biserial test with rounded chambers. Large lateral aperture. The test is finely grained mainly composed of calcareous fragments.
<i>Textularia</i> sp. 3	Small biserial specie, only composed of coccoliths.
<i>Textularia pseudorugosa</i> (Brady, 1884)	Jones (1994), pl. 42, figs. 23-24
<i>Trochammina</i> sp. 1	Small specimens with a trochospiral test. Test is exclusively composed of coccoliths.
<i>Trochammina</i> spp.	
<i>Veloroninoides wiesneri</i> (Parr, 1950)	Jones (1994), pl. 40, figs. 14-15
<i>Verneulinulla propinqua</i> (Brady, 1848)	Jones (1994), pl. 47, figs. 8-12

Perforate species	References
<i>Alliatina primitiva</i> (Cushman and MacCulloch, 1940)	Schiebel (1992), pl. 5, fig. 11
<i>Bolivina cincta</i> (Heron-Allen and Earmann, 1922)	Timm (1992), pl. 5, fig. 3
<i>Bolivina dilatata</i> (Reuss, 1850)	Schiebel (1992), pl. 1, fig. 4a
<i>Bolivina</i> aff. <i>B. dilatata</i>	Schumacher et al. (2007), <i>Bolivina</i> aff. <i>B. dilatata</i> , pl.1, figs. 8-12 / Maas (2000), <i>Bolivina dilatata</i> , pl. 2, fig. 5 / Jannink et al. (1998), <i>Bolivina dilatata</i> , pl. 1, fig. 1
<i>Bolivina seminuda</i> (Cushman, 1911)	Den Dulk (2001), pl. 1, fig. 4

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<i>Bolivina pygmae</i> (Brady, 1884)	Den Dulk et al. (2000), pl. 2, fig. 7
<i>Bolivina</i> sp. 1	Small biserial test with large pores. Chambers are strongly inflated and spinose at the base. The aperture is lateral and wide.
<i>Bolivina</i> sp. 2	Very small specimens with flattened, biserial and elongated test.
<i>Bolivina</i> sp. 3	Very small specimens, biserial, with short length/width ratio.
<i>Bulimina aculeata</i> (d'Orbigny, 1826)	Jones (1994), pl. 51, figs. 7-9
<i>Bulimina alazensis</i> (Cushman, 1972)	Schmiedl (1995), pl. 2, fig. 7
<i>Bulimina costata</i> (d'Orbigny, 1852)	<i>Bulimina striata</i> (d'Orbigny, in Guérin-Méneville, 1843)/ Jones (1994), pl. 51, figs. 11, 13
<i>Bulimina exilis</i> (Brady, 1884)	Schumacher et al. (2007), pl. 1, fig. 15 Jannink et al. (1998), pl. 1, fig. 3
<i>Bulimina</i> cf. <i>mexicana</i>	Chambers are more elongated than <i>Bulimina mexicana</i> with many pores.
<i>Bulimina marginata</i> (d'Orbigny, 1826)	Jones (1994), pl. 51, figs. 5-6
<i>Cassidulina crassa</i> (d'Orbigny, 1839)	Jones (1994), pl. 54, fig. 4
<i>Cassidulina laevigata</i> (d'Orbigny, 1826)	Den Dulk (2000), pl. 3, fig. 7
<i>Cassidulina obtusa</i> (Williamson, 1858)	Jones (1994), pl. 54, fig. 5
<i>Cassidulina</i> sp. 1	Small specimens with more inflated than <i>Cassidulina crassa</i> .
<i>Cassidulinoides bradyi</i> (Norman, 1881)	Jones (1994), pl. 54, figs. 6-9
<i>Chilostomilla oolina</i> (Schwager, 1878)	Jones (1994), pl. 55, figs. 12-14, figs. 17-18
<i>Cibicidoides globulosus</i> (Chapman and Parr, 1937)	Jones (1994), pl. 94, figs. 4-5
<i>Cibicides kullenbergi</i> (Parker, 1953)	Den Dulk (2000), pl. 6, fig. 2
<i>Cibicidoides robertsonianus</i> (Brady, 1881)	Jones (1994), pl. 95, fig. 4
<i>Cibicidoides ungerianus</i> (d'Orbigny, 1846)	Fontanier (2003), pl. 6, fig. J
<i>Cibicidoides wuellerstorfi</i> (Schwager, 1866)	Jones (1994), pl. 98, figs. 8-9
<i>Cibicidoides</i> sp. 1	Very small specimens with small pores on the dorsal side.
<i>Cornucoculina</i> spp.	
<i>Dentalina</i> spp.	

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Discorbina spp.

Ehrenbergina trigona (Goes, 1896) Jones (1994), pl. 55, figs. 2-3, 5

Epistominella exigua (Brady, 1884) Schmiedl et al. (1997), pl. 2, figs. 14-15

Fissurina incomposita (Patterson and Pettis, 1986) Jones (1994), pl. 59, fig. 6

Fissurina laevigata (Reuss, 1850) Jones (1994), pl. 114, fig. 8

Fissurina spp.

Fursenkoina complanata (Egger, 1893) Jones (1994), pl. 52, figs. 1-3

Fursenkoina mexicana (Cushman, 1922) Schmiedl (1995), pl. 2, figs. 14-15

Fursenkoina sp. Elongated test with more whirls than *Globobulimina* sp.

Gavelinopsis translucens (Phleger and Parker, 1951) Timm (1992), pl. 7, fig. 12

Gavelinopsis lobatulus (Parr, 1950) Den Dulk (2000), pl. 4, fig. 6

Glandulonodosaria calomorpha (Reuss, 1865) Jones (1994), pl. 62, figs. 23-26

Globocassidulina subglobosa (Brady, 1881) Jones (1994), pl. 54, fig. 17

Globobulimina spp.

Gyroidina altiformis (R.E. and K.C. Stewart, 1930) Fontanier (2003), pl. 7, figs. I, J, K

Gyroidina soldanii (d'Orbigny, 1826) Den Dulk (2000), pl. 8, fig. 2

Gyroidina umbonata (Silvestri, 1898) Fontanier (2003), pl. 7, figs. N, O

Gyroidina sp. 1 Deformed *Gyroidina* sp.

Gyroidina sp. 2 Small trochospiral specimens with small pores on the umbilical side. Sutures between chambers are straight. The aperture is interiomarginal.

Gyroidina sp. 3 Small trochospiral specimens with a low length/width ratio. Bordered aperture.

Gyroidina sp. 4 Very small with elongated trochospiral test.

Hoeglundina elegans (d'Orbigny 1826) Jones (1994), pl. 105, figs. 3-6

Hyalinea balthica (Schroeter, 1873) Jones (1994), pl. 112, figs. 1-2

Lagena laevis (Montagu, 1803) Jones (1994), pl. 56, fig. 7

Lagena sulcata (Walker and Jacob, 1798) Jones (1994), pl. 57, figs. 23,25-27, 33-34

Lagena spp.

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<i>Laticarinina pauperata</i> (Parker and Jones, 1865)	Jones (1994), pl. 104, figs. 3-11
<i>Lenticullina calcar</i> (Linné, 1767)	Jones (1994), pl. 70, figs. 9-12
<i>Lenticullina convergens</i> (Bornemann 1855)	Jones (1994), pl. 69, figs. 6-7
<i>Marginulina obesa</i> (Cushman, 1923)	Jones (1994), pl. 65, figs. 5-6
<i>Melonis barleeanus</i> (Hermelin, 1989)	Jones (1994), pl. 109, figs. 8-9
<i>Nonion</i> spp.	Small specimens
<i>Nuttalides pusillus</i>	Van Leeuwen (1989), pl. 14, figs. 7-9
<i>Nuttalides rugosus</i>	Van Leeuwen (1989), pl. 16, figs. 8-10
<i>Nuttalides umboniferus</i>	Van Leeuwen (1989), pl. 15, figs. 8-10, 11-13
<i>Nuttalides</i> sp. 1	Small specimens with low trochospiral test and elongated aperture. Presence of pores on the ventral and dorsal side.
<i>Oolina globosa</i> (Montagu, 1803)	Jones (1994), pl. 56, figs. 1-2, ?3
<i>Oridorsalis umbonata</i> (Reuss, 1851)	Jones (1994), pl. 95, fig. 11
<i>Osangularia culter</i> (Parker and Jones, 1865)	Schmiedl et al. (1997), pl. 2, figs. 4-6
<i>Polymorphina</i> spp.	
<i>Procerolagena gracilis</i> (Williamson, 1848)	Jones (1994), pl. 58, figs. 9, ?11-15
<i>Praeglobobulimina</i> sp.	Schumacher et al. (2007), pl. 1, fig. 17 / Den Dulk (2000), <i>Globobulimina affinis</i> (d'Orbigny), pl. 1, fig. 11 / Maas (2000), <i>Protoglobobulimina pupoides</i> (d'Orbigny, 1846), pl. 3, fig. 12
<i>Pullenia bulloides</i> (d'Orbigny, 1846)	Jones (1994), pl. 84, figs. 12-13
<i>Pullenia quinqueloba</i> (Reuss, 1851)	Den Dulk (2000), pl. 4, figs. 2-3
<i>Pullenia</i> sp. 1	Planispiral test multichambered with a large marginal aperture.
<i>Pullenia</i> spp.	very small specimens
<i>Robertina tasmanica</i> (Parr, 1950)	Jones (1994), pl. 50, fig. 17
<i>Rotaliatinopsis semiinvoluta</i> (Germeraad, 1946)	Loeblich and Tappan (1988), pl. 714, figs. 7 and 11

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<i>Sphaeroidina bulloides</i> (Deshayes, 1832)	Jones (1994), pl. 84, figs. 1-5
<i>Spirillina obconica</i> (Brady, 1879)	Jones (1994), pl. 85, figs. 6-7
<i>Spirillina</i> sp. 1	Coiled test with more flattened chamber than <i>Spirillina obconica</i> .
<i>Truncatulina</i> sp. 1	Low trochospiral test with a keel.
<i>Siphouvigerina ampullacea</i> (Brady, 1884)	Jones (1994), pl. 75, figs. 10-11
<i>Uvigerina peregrina</i> (Cushman, 1923)	Under <i>U. peregrina</i> , we grouped uvigerinids having large and high costae and spinose tests (Plate 1; Figs 1-2). Morphotypes change very gradually from typical <i>U. peregrina</i> s. s. (Cushman, 1923) (Plate 1, Fig. 2; see Schmiedl et al., (1997), pl. 3, fig. 3) to <i>U. auberiana</i> (Jones, 1994, pl. 75, fig. 9) with fully spinose tests.
<i>Uvigerina peregrina</i> type <i>parva</i> (Lutze, 1986)	Specimens are smaller, smoother and have weakly developed lower costae than <i>U. peregrina</i> . Schönfeld (2006), pl. 1, figs. 12-13
<i>Uvigerina</i> ex. gr. <i>Semiornata</i>	Schumacher et al. (2007), pl. 1, figs. 1-6
<i>Valvulineria glabra</i> (Cushman, 1927)	Todd (1965), fig. 3
<i>Valvulineria</i> sp. 1	Small specimens.
indet 2	Organic wall foraminifera

Miliolid specie	References
<i>Cornuspira carrinata</i> (Costa, 1856)	Jones (1994), pl. 11, fig. 4
<i>Cornuspira selseyensis</i> (Heron-Allen and Earland, 1909)	Hayward and Ryland (1990), fig. 3
<i>Cornuspiroides primitivus</i> (Rhumbler, 1904)	Jones (1994), pl. 11, figs. 8-9
<i>Miliolid</i> sp. 1	Elongated and flattened uniserial test. Large size simple aperture.
<i>Milliolinella</i> sp. 1	Very small specimens, biserial with rounded aperture.
<i>Pyrgo depressa</i> (d'Orbigny, 1826)	Jones (1994), pl. 2, figs. 12, 16-17
<i>Pyrgo lucernula</i> (Schwager, 1866)	Jones (1994), pl. 2, figs. 5-6
<i>Pyrgo murrhina</i> (Schwager, 1866)	Jones (1994), pl. 2, figs. 10-11, 15
<i>Pyrgoella sphaera</i> (d'Orbigny, 1839)	Jones (1994), pl. 2, fig. 4

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Pyrgo spp.

Quinqueloculina tropicalis (Cushman, 1924)

Jones (1994), pl. 5, fig. 3

Quinqueloculina spp.

Very small specimens that have been separated into 5 species for the diversity.

Spiroloculina spp.

Very small specimens that have been separated into 3 species for the diversity.

Spirosigmoilina tenuis (Czjzek, 1848)

Jones (1994), pl. 10, figs. 7, 8, 11

Triloculina spp.