

Richness and distribution of sponge megabenthos in continental margin canyons off southeastern Australia

Thomas A. Schlacher^{1,*}, Monika A. Schlacher-Hoenlinger^{1,2}, Alan Williams³, Franziska Althaus³, John N. A. Hooper², Rudy Kloster³

¹Faculty of Science, Health & Education, The University of the Sunshine Coast, Maroochydore DC, Queensland 4558, Australia

²Biodiversity Program, Queensland Museum, PO Box 3300, South Brisbane, Queensland 4101, Australia

³Commonwealth Scientific and Industrial Research Organisation (CSIRO) Marine & Atmospheric Research, PO Box 1538, Hobart, Tasmania 7001, Australia

Email: tschlach@usc.edu.au

Marine Ecology Progress Series 340:73–88 (2007)

Appendix 1. List of sponge species collected from canyons on the continental margin of southeastern Australia and Tasmania in this study. Depth range of sampling extended from 114 to 612 m and covered 14 stations located in 5 canyons (Table 1, Fig. 1)

Taxon	Depth (m)	Taxon	Depth (m)
Class Demospongiae		Tethyidae	
Spirophorida		<i>Tethya</i> sp. 1	179 – 397
Tetillidae		<i>Tethya</i> sp. 2	173 – 485
<i>Craniella (Tethyopsilla) stewartii</i>	359 – 429	<i>Tethya</i> sp. 4	179 – 464
<i>Craniella</i> sp. 1	270 – 337	<i>Tethya</i> sp. 5	179 – 397
<i>Tetilla</i> sp. 1	270 – 337	Trachycladidae	
		<i>Trachycladus</i> sp. 1	270 – 337
Astrophorida		Chondrosida	
Ancorinidae		Chondrillidae	
<i>Ecionemia</i> sp. 1	114 – 117	<i>Chondrosia</i> sp. 1	181 – 482
<i>Holoxea</i> sp. 1	179 – 397		
<i>Holoxea</i> sp. 2	270 – 337	Poecilosclerida	
<i>Stelletta</i> sp. 1	196 – 464	Acarinidae	
<i>Stelletta</i> sp. 2	173 – 485	<i>Iophon</i> sp. 1	114 – 117
<i>Stelletta</i> sp. 4	205 – 338	Chondropsidae	
Geodiidae		<i>Chondropsis</i> sp. 1	114 – 117
<i>Erylus</i> sp. 1	181 – 482	<i>Chondropsis</i> sp. 2	224 – 359
<i>Erylus</i> sp. 2	391 – 464	<i>Psammoclema</i> sp. 1	179 – 397
<i>Erylus</i> sp. 3	205 – 338	<i>Psammoclema</i> sp. 2	174 – 324
<i>Geodia</i> sp. 1	270 – 337	<i>Psammoclema</i> sp. 3	205 – 612
<i>Geodia</i> sp. 2	179 – 397	Coelosphaeridae	
<i>Geodia</i> sp. 3	173 – 612	<i>Coelosphaera (Coelosphaera)</i> sp. 1	270 – 464
<i>Geodia</i> sp. 4	480 – 612	<i>Forcepia</i> sp. 1	173 – 485
Pachastrellidae		<i>Forcepia</i> sp. 2	173 – 485
<i>Poecillastra</i> sp. 1	391 – 464	<i>Lissodendoryx (Anomodoryx)</i> sp. 1	173 – 485
		<i>Lissodendoryx (Anomodoryx)</i> sp. 2	173 – 485
Hadromerida		<i>Lissodendoryx (Anomodoryx)</i> sp. 3	181 – 482
Clionidae		<i>Lissodendoryx (Anomodoryx)</i> sp. 4	196 – 338
<i>Cliona</i> sp. 1	114 – 117	Crellidae	
<i>Cliona</i> sp. 2	442 – 449	<i>Crella (Yvesia)</i> sp. 1	173 – 485
Hemiasterellidae		Desmaccellidae	
<i>Hemiasterella</i> sp. 1	270 – 337	<i>Biemna</i> sp. 1	173 – 485
Polymastiidae		<i>Microtylostylifer</i> sp. 1	442 – 449
<i>Polymastia</i> sp. 1	173 – 485	<i>Microtylostylifer</i> sp. 2	442 – 449
<i>Polymastia</i> sp. 2	114 – 117	<i>Microtylostylifer anomalus</i>	173 – 485
<i>Polymastia</i> sp. 3	114 – 117	<i>Sigmaxinella</i> sp. 1	270 – 337
<i>Polymastia</i> sp. 4	179 – 397	Hymedesmidae	
<i>Polymastia</i> sp. 5	179 – 397	<i>Acanthancora</i> sp. 1	114 – 117
<i>Polymastia</i> sp. 6	173 – 485	<i>Phorbas</i> sp. 1	114 – 117
<i>Polymastia</i> sp. 7	179 – 397	<i>Phorbas</i> sp. 2	205 – 338
<i>Polymastia</i> sp. 8	173 – 612	Iotrochotidae	
<i>Polymastia</i> sp. 9	173 – 612	<i>Iotrochota</i> sp. 1	114 – 117
<i>Polymastia</i> sp. 10	174 – 324	Latrunculidae	
Suberitidae		<i>Sceptrella</i> sp. 1	173 – 485
<i>Homaxinella</i> sp. 1	114 – 117		
<i>Pseudosuberites</i> sp. 1	173 – 485		

Appendix 1 (continued)

Taxon	Depth (m)	Taxon	Depth (m)
Microcionidae			
<i>Clathria (Axosuberites) canaliculata</i>	114 – 117	<i>Haliclona (Haliclona) sp. 3</i>	179 – 397
<i>Clathria (Axosuberites) nidificata</i>	174 – 324	<i>Haliclona (Haliclona) sp. 4</i>	270 – 337
<i>Clathria (Axosuberites) cylindrica</i>	114 – 117	<i>Haliclona (Haliclona) sp. 5</i>	205 – 338
<i>Clathria (Axosuberites) thetidis</i>	174 – 415	Niphatidae	
<i>Clathria (Clathria) sp. 1</i>	205 – 338	<i>Cribrochalina sp. 1</i>	114 – 397
<i>Clathria (Clathria) inanchorata</i>	179 – 397	<i>Haliclonissa sp. 1</i>	179 – 397
<i>Clathria (Thalysias) rubra</i>	179 – 397	<i>Niphates sp. 1</i>	179 – 397
<i>Echinoclathria (Echinoclathria) sp. 1</i>	114 – 337	Petrosiidae	
<i>Echinoclathria (Echinoclathria) sp. 2</i>	114 – 117	<i>Xestospongia sp. 1</i>	173 – 612
<i>Holopsamma laminaefavosa</i>	114 – 117	<i>Xestospongia sp. 2</i>	173 – 485
Mycalidae		<i>Xestospongia sp. 3</i>	181 – 482
<i>Phlyctaenopora (Barbozia) sp. 1</i>	270 – 337	<i>Xestospongia sp. 4</i>	205 – 338
Myxillidae		Family Phloeodictyidae	
<i>Stelodoryx sp. 1</i>	174 – 324	<i>Oceanapia sp. 1</i>	240 – 415
<i>Stelodoryx sp. 2</i>	196 – 338		
Podospongiidae		Dictyoceratida	
<i>Negombata sp. 3</i>	270 – 337	Darwinellidae	
<i>Podospongia sp. 1</i>	270 – 337	<i>Dendrilla rosea</i>	270 – 337
<i>Podospongia sp. 2</i>	205 – 338	Dysideidae	
Raspailiidae		<i>Dysidea sp. 1</i>	114 – 117
<i>Lithoplacamia sp. 1</i>	173 – 612	<i>Dysidea sp. 2</i>	179 – 397
<i>Raspailia (Parasyringella) sp. 1</i>	179 – 397	Irciniidae	
<i>Raspailia (Raspailia) sp. 1</i>	196 – 415	<i>Ircinia sp. 1</i>	173 – 485
<i>Raspailia (Raspailia) sp. 2</i>	205 – 338	<i>Ircinia sp. 2</i>	205 – 338
<i>Raspailia (Raspailia) sp. 3</i>	224 – 359	Spongiidae	
<i>Raspailia (Raspaxilla) compressa</i>	181 – 482	<i>Hippospongia sp. 1</i>	114 – 117
Tedaniidae		<i>Hippospongia sp. 2</i>	114 – 117
<i>Tedania (Tedania) sp. 1</i>	114 – 117	<i>Spongia (Spongia) sp. 1</i>	114 – 117
<i>Tedania (Tedania) sp. 2</i>	174 – 397	<i>Spongia (Spongia) sp. 2</i>	114 – 117
<i>Tedania (Tedania) sp. 3</i>	114 – 117	<i>Spongia (Spongia) sp. 3</i>	173 – 485
<i>Tedania (Tedania) sp. 4</i>	114 – 117	<i>Spongia (Spongia) sp. 4</i>	179 – 397
<i>Tedania (Tedaniopsis) sp. 1</i>	173 – 485	<i>Spongia (Spongia) sp. 5</i>	114 – 117
		<i>Spongia (Spongia) sp. 6</i>	391 – 464
		<i>Spongia (Spongia) sp. 7</i>	391 – 464
		<i>Spongia (Spongia) sp. 8</i>	391 – 464
Halichondrida		Thorectidae	
Axinellidae		<i>Thorecta sp. 1</i>	114 – 117
<i>Dragmacidon sp. 1</i>	270 – 337	<i>Thorecta sp. 2</i>	114 – 117
<i>Phakellia sp. 1</i>	240 – 415	<i>Thorecta sp. 3</i>	114 – 117
<i>Phakellia sp. 2</i>	173 – 485	<i>Thorecta sp. 4</i>	114 – 117
<i>Phakellia sp. 3</i>	179 – 397	<i>Thorecta sp. 5</i>	173 – 485
<i>Phakellia sp. 5</i>	196 – 338	<i>Thorecta sp. 7</i>	391 – 464
<i>Phakellia sp. 6</i>	391 – 464	<i>Thorectandra sp. 1</i>	114 – 117
<i>Phakellia sp. 7</i>	270 – 337		
Dictyonellidae		Dendroceratida	
<i>Acanthella sp. 1</i>	173 – 485	Dictyodendrillidae	
<i>Acanthella sp. 2</i>	173 – 485	<i>Dendrilla sp. 1</i>	173 – 485
<i>Acanthella sp. 3</i>	196 – 338	<i>Dictyodendrilla sp. 1</i>	179 – 397
<i>Acanthella dendyi</i>	179 – 397	<i>Dictyodendrilla sp. 2</i>	179 – 397
Halichondriidae			
<i>Axinyssa sp. 1</i>	173 – 485	Verongida	
<i>Halichondria (Halichondria) sp. 1</i>	114 – 117	Aplysinellidae	
<i>Halichondria (Halichondria) sp. 2</i>	173 – 485	<i>Aplysilla sp. 1</i>	205 – 338
<i>Halichondria (Halichondria) sp. 3</i>	179 – 397		
<i>Halichondria (Halichondria) sp. 4</i>	173 – 485	CALCAREA	
<i>Halichondria (Halichondria) sp. 5</i>	173 – 485	CALCAREA A	179 – 397
<i>Halichondria (Halichondria) sp. 6</i>	442 – 449	CALCAREA B	179 – 397
<i>Halichondria (Halichondria) sp. 7</i>	196 – 338	CALCAREA C	174 – 612
<i>Spongosorites sp. 1</i>	114 – 117	CALCAREA D	173 – 485
		CALCAREA E	179 – 397
		CALCAREA F	205 – 338
		CALCAREA G	224 – 359
		CALCAREA H	224 – 359
		CALCAREA I	224 – 359
		CALCAREA J	391 – 464
		CALCAREA K	240 – 415
		CALCAREA L	240 – 612
		CALCAREA M	391 – 464
Haplosclerida			
Callyspongiidae			
<i>Siphonochalina sp. 1</i>	174 – 337		
<i>Siphonochalina sp. 2</i>	391 – 464		
Chalinidae			
<i>Chalinula sp. 1</i>	391 – 464		
<i>Haliclona (Gellius) sp. 1</i>	179 – 397		
<i>Haliclona (Haliclona) sp. 1</i>	179 – 397		
<i>Haliclona (Haliclona) sp. 2</i>	173 – 485		