



APPENDIX 02

Marine species recorded or potentially occurring in Upper Spencer Gulf

O2 MARINE SPECIES RECORDED OR POTENTIALLY OCCURRING IN UPPER SPENCER GULF

The species list in Table O2.1 includes aquatic species actually recorded and likely to occur in Upper Spencer Gulf. The key to the reference sources for species presence identified in Table O2.1 is provided in Table O2.2.

Status

Letters under column AUS = the category of threat listed under the *Environment Protection and Biodiversity Conservation Act 1999* (E = Endangered, V = Vulnerable, Mi = listed migratory species, Ma = listed marine species, W = whales and other cetaceans) and under column SA = the category of threat listed under the *South Australian National Parks and Wildlife Act 1972* (E = Endangered, V = Vulnerable, R = Rare) or *Fisheries Management Act 2007* (P = Protected).

Other conservation significance (but with no formal status):

- Tropical affinities (TA)
- Endemic to Upper Spencer Gulf (EU) or Spencer Gulf (ES)
- Uncommon (UN).

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
Cyanobacteria					
<i>Lyngbya</i> sp.	A cyanobacterium				27
<i>Microcoleus</i> sp.	A cyanobacterium				27
<i>Scytonema</i> sp.	A cyanobacterium				27
Diatoms					
<i>Licmophora</i>	Stalked diatom colonies				2
Green algae					
<i>Bryopsis</i> sp.					2
<i>Caulerpa cactoides</i>					3, 26, 27
<i>Caulerpa</i> sp.					4
<i>Chlorodesmis baculifera</i>					26
<i>Cladophora bainesii</i>					26
<i>Codium harveyi</i>					26
<i>Codium</i> sp.					4, 9
<i>Derbesia</i> sp.					7, 8
<i>Ulva flexuosa</i> subspecies <i>paradoxa</i>	Thread Enteromorpha				2
<i>Ulva</i> sp.					4
Brown algae					
<i>Austronereia australis</i>					7#, 8#, 26
<i>Asperococcus bullosus</i>	Tapeweed Bubble Weed				7, 8, 26
<i>Bellotia eriophorum</i>					26
<i>Caulocystis cephalornithos</i>					2, 9, 26
<i>Caulocystis</i> sp.					7
<i>Caulocystis uvifera</i>					2, 13
<i>Cladosiphon</i> sp.					26
<i>Colpomenia</i> sp.	Bubble Weed				2
<i>Cystophora botryocystis</i>	Grape Cystophora				2
<i>Cystophora polycystidea</i>	Mini-Bladder Cystophora				2, 9
<i>Cystophora</i> sp.					4
<i>Cystoseira trinodis</i>					13
<i>Dictyopteris australis</i>					26
<i>Dictyopteris muelleri</i>	Veined Rabbit Ears				2, 3, 4, 26

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Dictyota dichotoma</i>	Small Rabbit Ears				2, 26
<i>Dictyota diemensis</i>	Large Rabbit Ears				2
<i>Dilophus</i> sp.					13
<i>Distromium flabellatum</i>					26
<i>Hinckia mitchelliae</i>	Khaki Fuzz				2
<i>Hinckia sordida</i>	Snot Weed				7#, 8
<i>Hinckia</i> sp.	Tangled Turf Weed				8
<i>Hinckia</i> spp.					3, 7
<i>Hormophysa cuneiformis</i>				TA	5, 7
<i>Hormosira banksii</i>					4, 5, 7, 26
<i>Kuckuckia spinosa</i>					26
<i>Lobophora variegata</i>	Brown Fan Weed				2, 9, 13
<i>Myriodesma integrifolia</i>					3
<i>Myriodesma leptophyllum</i>	Narrow Brown Forked Weed				2
<i>Nemacystis novae-zelandiae</i>					26
<i>Pachydictyon polycladum</i>					3
<i>Sargassum decurrens</i>				TA	5, 26
<i>Sargassum paradoxum</i>					26
<i>Sargassum</i> sp. (subgenus <i>Arthrophyucus</i>)					3
<i>Sargassum spinuligerum</i>	Serrated Leaf Sargassum				2
<i>Sargassum</i> spp.					4, 13, 26
<i>Scaberia agardhii</i>	Cork Weed				2, 4, 5, 9, 13
<i>Sphacelaria rigidula</i>					26
<i>Sporochnus comosus</i>					13, 26
<i>Sporochnus radiformis</i>					2, 26
<i>Stilophora rhizodes</i>					26
Red algae					
<i>Antrocentrum nigrescens</i>	Red Threads				2#, 26
<i>Bangia</i> sp.					2#
<i>Peyssonnelia</i> sp.					2#
<i>Spongoconium</i> sp.					7#, 8#
<i>Acrosorium ciliolatum</i>	Narrow Hooked Cellophane Plant				2
<i>Acrosorium</i> sp.					8#
<i>Acrosorium venulosum</i>					26
<i>Amphiroa anceps</i>					4
<i>Antithamnion delicatulum</i>					26
<i>Asparagopsis armata</i>					4
<i>Asparagopsis</i> sp.					9
<i>Asparagopsis taxiformis</i>					2, 3, 7, 26
<i>Austronereia australis</i>					13
<i>Bonnemaisonia australis</i>					26
<i>Botryocladia sonderi</i>	Red Cluster Cups				2, 3, 9, 13, 26
<i>Brongniartella australis</i>					3, 26
<i>Callithamnion byssoides</i>					2
<i>Callithamnion caulescens</i>					3
<i>Callithamnion confertum</i>	Red Threads				2
<i>Callithamnion</i> sp.					26#
<i>Centroceros clavulatum</i>					2, 3, 7, 8

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Ceramiaceae</i>					7, 8
<i>Ceramium</i> sp.					3
<i>Champia affinis</i>					13
<i>Champia zostericola</i>	Shepherds Crook Champia				2, 26
<i>Cheilosporum sagittatum</i>					4
<i>Chiracanthia arborea</i>					26
<i>Chondria harveyana</i>					26
<i>Chondria succulenta</i>					7, 8
<i>Chondrophycus brandenii</i>					26
<i>Cliftonaea pectinata</i>					26
<i>Coelarthrum opuntia</i>	Branched Chain Weed				2, 7, 9, 13, 26
<i>Coeloclonium tasmanicum</i>					3
<i>Craspedocarpus ramentaceus</i>					26
<i>Crouania destriana</i>				UN	2
<i>Dasya capillaris</i>					26
<i>Dasya crescens</i>					2, 7, 8
<i>Dasya extensa</i>	Red-Yarn Weed				2, 7, 26
<i>Dasya hookeri</i>					7
<i>Dasya</i> spp.					7, 8, 26
<i>Dasya villosa</i>	Red-Yarn Weed				2, 3, 7
<i>Dictyomenia harveyana</i>					2, 26
<i>Dictyomenia tridens</i>					2
<i>Doxodasya bolbochaete</i>	Denuded red stalks				2, 26
<i>Dudresnaya australis</i>					26
<i>Echinothamnion hystrix</i>					26
<i>Erythroclonium muelleri</i>					2, 26
<i>Gattya pinella</i>	Thin Red Straps				2, 26
<i>Gelinarina ulvoidea</i>	Slippery Red				2, 9
<i>Gigartina brachiata</i>	Wiry Red Mat Plant				2
<i>Gloiocladia fruticulosa</i>					2, 3
<i>Gloiocladia polycarpa</i>					2
<i>Gloiosaccion brownii</i>	Red cigar-shaped alga				2, 3, 26
<i>Gracilaria</i> sp.					26
<i>Haliptilon roseum</i>	Articulated coralline red alga				2
<i>Halodictyon arachnoideum</i>					2, 3, 8
<i>Haloplegma duperreyi</i>	Red Felt Weed				2
<i>Haloplegma preissii</i>					26
<i>Halymenia muelleri</i>	Foliose red slippery alga				2
<i>Herposiphonia monilifera</i>					2, 13#
<i>Herposiphonia versicolor</i>					26
<i>Heterosiphonia gunniana</i>					26
<i>Heterosiphonia lawrenciana</i>					26
<i>Heterosiphonia muelleri</i>					2
<i>Hirsutithallia angustata</i>					7
<i>Hydrolithon farinosum</i>	Seaweed Scale				2
<i>Hypnea charoides</i>	Right-angled Spiny Hypnea				2
<i>Hypnea</i> sp.					3, 7#, 26
<i>Jania micrarthrodia</i>	White tufts				2, 13, 26
<i>Jania</i> sp.					2, 4

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Kallymenia cribrosa</i>	Red, perforated sheet alga				2, 9
<i>Lasiothalia hirsuta</i>					2, 26#
<i>Laurencia majuscula</i>					2, 3, 13
<i>Laurencia</i> sp.					2, 4, 9
<i>Lophothalia hormocladus</i>					2, 26
<i>Macrothamnion pellucidum</i>					2
<i>Macrothamnion secundum</i>					26
<i>Metagoniolithon stelliferum</i>					26
<i>Micropeuce</i> sp.					26
<i>Mychodea aciculare</i>					2, 26
<i>Mychodea carnosa</i>					2, 26
<i>Platysiphonia mutabilis</i>					26
<i>Pollexenia pedicellata</i>	Dark-red Cellophane Plant				2, 3, 26
<i>Polysiphonia crassiuscula</i>					26
<i>Polysiphonia decipiens</i>					13, 26
<i>Polysiphonia</i> sp.					7
<i>Polysiphonia</i> sp. 1					2
<i>Polysiphonia</i> sp. 2					2
<i>Protokuetzingia australasica</i>					26
<i>Pterothamnion flexile</i>				UN	5, 10
<i>Rhabdonia coccinea</i>					7, 26
<i>Rhabdonia verticillata</i>					13
<i>Rhodymenia australis</i>					2#
<i>Rhodymenia</i> sp.					9
<i>Schottera nicaeensis</i>	Pink Paddles				2
<i>Solieria robusta</i>					2, 3, 13, 26
<i>Sonderopelta</i> sp.					2#
<i>Spongoclonium conspicuum</i>					26
<i>Spongoclonium fasciculatum</i>					26
<i>Spongoclonium</i> spp.					26
<i>Spyridia dasyoides</i>					2
<i>Spyridia filamentosa</i>					26
<i>Spyridia tasmanica</i>					26
<i>Stenogramme leptophylla</i>					2
<i>Lophothalioid</i> sp.					26
<i>Veleroa adunca</i>					8
<i>Warrenia comosa</i>					2, 7, 8, 13, 26
<i>Wrangelia</i> sp.					2
Seagrasses					
<i>Amphibolis antarctica</i>					24, 26, 27, 28
<i>Amphibolis</i> spp.					2, 3, 5, 8, 13, 14
<i>Halophila australis</i>					3
<i>Halophila ovalis</i>					4, 5, 14, 26, 27
<i>Halophila</i> sp.	Paddleweed				2, 8
<i>Heterozostera nigricaulis</i>	Eelgrass				3, 4, 5, 13, 14, 25, 26, 27, 28
<i>Lepaelina</i> sp.					28
<i>Posidonia angustifolia</i>	Tapeweed				26, 28
<i>Posidonia australis</i>	Tapeweed				2, 5, 7, 8, 13, 14, 21, 24, 25, 26, 27, 28

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Posidonia sinuosa</i>	Tapeweed				2, 4, 5, 13, 21, 24, 25, 26, 27
<i>Ruppia</i> sp.					28
<i>Zostera muelleri</i> subspecies <i>mucronata</i>	Garweed		R		5, 21, 26, 27, 28
<i>Zostera muelleri</i> subspecies <i>muelleri</i>	Garweed				28
<i>Zostera</i> sp.	Garweed				2, 25
Mangroves					
<i>Avicennia marina</i>	Grey Mangrove			TA	4, 9
Sponges					
<i>Ancorina</i> sp.					37
<i>Aplysina</i> sp.					37
<i>Chondropsis</i> sp.					37
<i>Clathria</i> sp.					37
<i>Echinodictyum</i> sp.					37
<i>Ecionemia</i> sp.					37
<i>Holopsamma laminaefavosa</i>					9, 37
<i>Iotrochopsamma arbuscula</i>					37#
<i>Jaspis</i> sp.					37
<i>Phyllospongia calyciformis</i>	Cupulate sponge				2, 9
<i>Psammocinia</i> sp.					37
<i>Raspailia</i> sp.					37
Sponge – encrusting/amorphous					2, 7, 9
Sponge erect					2, 9
Sponge – fan shaped					2
Sponge – spheroidal					2, 7, 8, 9
Sponge – tubular					8, 9
<i>Tethya australis</i>	'Golf ball' sponge				2, 3
<i>Tethya</i> sp.					9, 37
Unidentified sponge (sp. 1)					29
Unidentified sponge (sp. 2)					29
Unidentified sponge (sp. 3)					29
Unidentified sponge from Class Calcarea					37
Cnidarians					
<i>Eunephthys</i> sp.	A soft coral				22
<i>Amphisbetia</i> sp.					3
Anemones					7
<i>Australocyathis vincentinus</i>	Solitary hard coral			UN	5
<i>Bimeria australis</i>					26
<i>Capnella gaboensis</i>					26
<i>Carijoa multiflora</i>	Sponge covered soft coral			TA	2, 3, 4, 5, 7, 8, 9, 13, 22, 25, 27
<i>Cerianthus</i> sp.	Tube anemone				4
<i>Clathraria</i> sp.	A gorgonian coral				2, 5
<i>Clytia hemisphaerica</i>	A hydroid				26
<i>Culicia</i> sp.	Small coral cups				2
<i>Diphasia subcarinata</i>	Paired polyp hydroid				2
<i>Echinogorgia</i> sp.	A gorgonian coral			EU	5, 8, 11, 26
<i>Edwardsia vivipara</i>	An anemone			UN	5
<i>Eudendrium generale</i>	A hydroid				26
<i>Euplexaura</i> sp.	A gorgonian coral				2#, 5, 26

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
Hydroid sp. 1	Athecate hydroid				4
Hydroid sp. 2	Thecate hydroid				4
Hydroid sp. 3	Moniliform sand covered hydroid				2
Hydroid spp.					23
<i>Nemertesia procumbens</i>					2, 4, 7
<i>Pennaria disticha</i>	A hydroid				2, 3
<i>Phylctenactis</i> sp.	An anemone				22, 23, 26#
<i>Plesiastrea versipora</i>	Colonial stony coral				2, 4, 9
<i>Plumulariidae</i> sp.					2
<i>Plumularia setacea</i>	A hydroid				26
<i>Sarcoptilus grandis</i>	A sea pen				5, 7
<i>Sarcoptilus</i> sp.	A sea pen				2, 3
<i>Scytalium</i> sp.				EU	4, 5, 26
<i>Solanderia</i> sp.					2#
Unidentified sea whip					9
Unidentified jellyfish					23
<i>Virgularia gustaviana</i>	Short Quill Sea Pen			TA	5, 26
<i>Virgularia mirabilis</i>	Slender Sea Pen				5, 26
Polychaete worms					
<i>Ampharetidae</i> sp. 1					21, 29
<i>Amphitritinae</i> sp. 3					29
<i>Amphitritinae</i> sp. 4					29
<i>Aonides oxycephala</i>					29
<i>Arabella</i> sp. 1					21, 29
<i>Aricidea</i> sp. 2					29
<i>Armandia intermedia</i>					21, 29
<i>Artacamella tribranchiata</i>					33
<i>Asychis</i> sp.					29
<i>Augeneria verdis</i>					21, 29
<i>Barantolla</i> sp.					21, 29
<i>Boccardia</i> sp. 1					29
<i>Boccardia</i> sp. 2					29
<i>Boccardia</i> sp. 3					29
Calcareous tube worms					9
<i>Capitella capitata</i>					21, 29
<i>Cautleriella</i> sp. 1					29
<i>Cautleriella</i> sp. 2					29
<i>Cautleriella</i> sp. 3					21, 29
<i>Cautleriella</i> sp. 4					21, 29
<i>Ceratonereis mirabilis</i>					21, 29
<i>Ceratonereis</i> sp. 1					21, 29
<i>Chaetopterus variopedatus</i>	A Parchment Tube Worm				11, 13, 22#, 26
<i>Chrysopetalum</i> sp.					29
<i>Cirratulidae</i> sp. 1					29
<i>Cirriformia</i> sp. 1					21, 29
<i>Cirriformia</i> sp. 2					21, 29
<i>Decathelepus</i> sp.					29
<i>Diplocirrus</i> sp.					21, 29
<i>Ehlersia</i> sp.					29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Eteone</i> sp.					21, 29
<i>Euchone variabilis</i>					21#, 29#
<i>Eumida</i> sp.					21, 29
<i>Eunice</i> sp. 1					29
<i>Eunice</i> sp. 3					29
<i>Eunice</i> sp. 4					21
<i>Eunice</i> sp. 5					29
<i>Eunice</i> sp. 6					29
<i>Eunice</i> sp. 9					29
<i>Eunicidae</i> sp. 1					29
<i>Eunicidae</i> sp. 11					29
<i>Eupolymnia koorangia</i>	Medusa Tube Worm				21, 29
<i>Exogone</i> sp.					29
<i>Galeolaria caespitosa</i>					4, 29#
<i>Glycera americana</i>					21, 29
<i>Glycinde</i> sp. 1					21, 29
<i>Goniada maculata</i>					29
<i>Gymnonereis</i> sp.					29
<i>Harmothoe</i> sp. 1	A Scale Worm				21, 29
<i>Harmothoe</i> sp. 2					29
<i>Harmothoe</i> sp. 3					29
<i>Heteromastus filiformis</i>					21, 29
<i>Hyboscolex dicranochaetus</i>					29
<i>Hydroides</i> sp. 1	A Tube Worm				21, 29
Infauna holes					8
<i>Isolda pulchella</i>					29
<i>Lanassa exelysis</i>					21, 29
<i>Lanassa ocellata</i>					29
<i>Lanicides fascia</i>					29
<i>Laonome</i> sp. 1	A Fan Worm				29
<i>Leiochrides</i> sp. 1					29
<i>Leitoscoloplos</i> sp. 1					29
<i>Loimia ingens</i>					29
<i>Lumbrineris</i> sp. 1					29
<i>Lysidice</i> sp. 1					21, 29
<i>Lysilla laciniata</i>					29
<i>Lysilla pacifica</i>					21, 29
<i>Magelona</i> sp.					29
<i>Malacoceros</i> sp. 1					21, 29
<i>Maldanidae</i> sp. 3					29
<i>Marphysa</i> sp. 1	A Blood Worm				29
<i>Marphysa</i> sp. 2	A Blood Worm				21, 29
<i>Mediomastus australiensis</i>					21
<i>Mediomastus</i> sp.					29
<i>Myxicola infundibulum</i> *					9
<i>Naineris grubei australis</i>					29
<i>Neanthes bassi</i>					21, 29
<i>Neanthes kerguelensis</i>					21, 29
<i>Neanthes</i> sp. 1					21, 29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Neanthes</i> sp. 2					29
<i>Neanthes</i> sp. 3					29
<i>Neanthes vaalii</i>					21, 29
<i>Nematoneis unicornis</i>					21#, 29#
<i>Neoleprea</i> sp.					21, 29
<i>Nephtys gravieri</i>					21, 29
<i>Nereididae</i> sp.					4, 21, 27
<i>Nereididae</i> sp. 2					29
<i>Nereis bifida</i>					21, 29
<i>Nicolea amnis</i>					29
<i>Notomastus</i> sp. 1					21, 29
<i>Notomastus torquatus</i>					29
<i>Odontosyllis</i> sp. 1					29
<i>Odontosyllis</i> sp. 2					29
<i>Onuphidae</i> sp. 1					21, 29
<i>Ophiodromus angustifrons</i>					21, 29
<i>Ophiodromus microantennatus</i>					29
<i>Orbiniidae</i> sp.					29
<i>Owenia fusiformis</i>					29
<i>Paralepidonotus ampulliferus</i>	A Scale Worm				29
<i>Paranaitis</i> sp.					29
<i>Pectinaria antipoda</i>					29#
<i>Petaloproctus</i> sp.					21, 29
<i>Phyllodoce</i> sp. A	A Paddle Worm				21, 29
<i>Phyllococidae</i> sp. 5	A Paddle Worm				29
<i>Phyllococidae</i> spp.	Paddle Worms				29#
<i>Phylo</i> sp. 1					21, 29
<i>Pionosyllis ehlersiaeformis</i>					29
<i>Pista australis</i>					21, 29
<i>Pista violacea</i>					21, 29
<i>Platynereis</i> sp.					21, 29
<i>Poecilochaetus serpens</i>					29
<i>Polycirrus nephrosus</i>					29#
<i>Polycirrus</i> sp. 1					29
<i>Polycirrus tessellatus</i>					21, 29
<i>Polydora</i> sp. 1					29
<i>Praxillella</i> sp.					29#
<i>Prionospio aucklandica</i>					29
<i>Prionospio multipinnulata</i>					21
<i>Prionospio</i> sp. 2					29
<i>Pseudopolydora</i> sp. 1					29
<i>Pseudopolydora</i> sp. 4					29
<i>Sabella spallanzanii</i> *	European Fan Worm				17, 18
<i>Sabellid</i> sp. 1					21, 29
<i>Sabellid</i> sp. 3					21, 29
<i>Sabellid</i> sp. 4					29
<i>Sabellid</i> spp.	A Fan Worm				2, 3, 4, 7
<i>Scalibregma inflatum</i>					21, 29
<i>Schistomeringos loveni</i>					21, 29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Schistomeringos</i> sp. 1					29
<i>Scolecopsis</i> sp. 1					29
<i>Scolecopsis</i> sp. 2					21
<i>Scoloplos normalis</i>					21
<i>Scoloplos simplex</i>					21, 29
<i>Scyphoproctus</i> sp. 1					21#, 29#
<i>Scyphoproctus</i> sp. 2					29
<i>Serpula</i> sp. 1	A Tube Worm				29
<i>Serpula</i> sp. 2	A Tube Worm				29
Serpulid worms					2, 7
<i>Sigalion</i> sp.					29
<i>Simplisetia aequisetis</i>	Squirt Worm				21
<i>Spio pacifica</i>					29
<i>Spio</i> sp. B					29
<i>Spionidae</i> sp. 2					29
<i>Spionidae</i> sp.					4
<i>Streblosoma</i> sp.					29
<i>Syllinae</i> sp. 2					29
<i>Syllinae</i> sp. 8					29
<i>Terebellides kowinka</i>					29#, 33
<i>Terebellides woolawa</i>					29#, 33
<i>Tharyx</i> sp. 2					29
<i>Thelepus extensus</i>					29
<i>Thelepus plagiostoma</i>					29#
<i>Trichobranchus bunnabus</i>					33
<i>Trichobranchus</i> sp.					21, 29
<i>Typosyllis</i> sp. 1					29
<i>Typosyllis</i> sp. 2					29
Unidentified errant polychaetes					4
Unidentified sedentary polychaetes					4
Other worms					
<i>Ancoratheca australiensis</i>	A Flatworm			ES	26
Sipunculan worms					21, 29
Unidentified Enteropneust	An Acorn Worm				29
Unidentified Hirudonian	A Leech				29
Unidentified Nemertean Worm	A Ribbon Worm				29
Unidentified Polyclad Worm	A Flatworm				22
<i>Phoronis albomaculata</i>				TA	5
<i>Phoronis psammophila</i>				TA	5
Pycnogonids (sea spiders)					
<i>Pseudopallene ambigua</i>					26#
Unidentified Pycnogonid					22, 29
Insects					
Unidentified insects					29
Barnacles					
<i>Smilium peronii</i>	A Stalked Barnacle				3
Unidentified Barnacles					2, 4, 7
Crustaceans					
<i>Accalathura bassi</i>	An Isopod				29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Actaea calculosa</i>	Facetted Crab				4
<i>Actaea peronii peronii</i>	Thorn-legged Crab				2
<i>Actumnus setifer</i>	Short-haired Crab				29
<i>Alpheus bidens</i>	Mottled Snapping Prawn				29
<i>Alpheus novaezelandiae</i>	New Zealand Pistol Prawn				2
<i>Alpheus richardsoni</i>	A Pistol Prawn				29
<i>Alpheus</i> sp.	A Pistol Prawn				29
<i>Alpheus villosus</i>	Hairy Pistol Prawn				4
<i>Amakusanthura olearia</i>	An Isopod				29
<i>Amaryllis spencerensis</i>	An Amphipod			ES	20
<i>Ampelisca toora</i>	An Amphipod				21, 29
<i>Ampithoidae</i> sp. 1	An Amphipod				29
<i>Apanthura isotoma</i>	An Isopod				29#
<i>Apseudes</i> sp. 1	A Tanaid				29
<i>Apseudes</i> sp. 2	A Tanaid				29
<i>Atylus</i> sp.	An Amphipod				29
<i>Austrosquilla middletoni</i>	A Stomatopod				35
<i>Bellidilia laevis</i>	Pebble Crab				7
<i>Belosquilla laevis</i>	Mantis Shrimp				22
<i>Bemlos strigilis</i>	An Amphipod				29
<i>Brachynotus spinosus</i>	Little Shore Crab				20, 29
<i>Byblis bega</i>	An Amphipod				29#
<i>Calanus finmarchicus</i>	A planktonic Copepod				4
<i>Callianassa</i> sp.	A slow prawn				29
<i>Ceradocus dooliba</i>	An Amphipod				29
<i>Ceradocus ramsayi</i>	An Amphipod				29
<i>Ceradocus rubromaculatus</i>	An Amphipod				29
<i>Ceradocus serratus</i>	An Amphipod				29
<i>Cerapus abditus</i>	Tube Amphipod				4
<i>Ceratoplax glaberrima</i>	A Hairy Crab				29
<i>Chamaesipho tasmanica</i>	Honeycomb Barnacle				4
<i>Chlorotocella gracilis</i>	A Carid Prawn/Pandalid Shrimp				24
<i>Crabzys longicaudatus</i>	An Isopod				29
<i>Cyclograpsus audouinii</i>	Smooth Shore Crab				4
<i>Cymadusa</i> sp.	An Amphipod				21, 29
<i>Cymodoce bidentata bidentata</i>					29
<i>Cymodoce</i> sp. 1					29
<i>Cymodoce</i> sp. 2	An Isopod				21, 29
<i>Ebalia intermedia</i>	Smooth Pebble Crab				29
<i>Ebalia</i> sp. A					29
<i>Euidotea bakeri</i>	An Isopod				20, 29
<i>Euidotea peronii</i>	An Isopod				29
<i>Eusiridae</i> sp. 1	An Amphipod				29
<i>Eusiridae</i> sp. 2	An Amphipod				29
<i>Eusiridae</i> sp. 3	An Amphipod				29
<i>Eusiridae</i> sp. 4	An Amphipod				29
<i>Galathea australiensis</i>	Striated Craylet				4
<i>Galathea</i> sp.	A Squat Lobster				2
<i>Gammarella beringar</i>	An Amphipod				29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Gomeza bicornis</i>	Masked Burrowing Crab				29
<i>Grapsidae</i> sp. 2	A Shore Crab				29
<i>Halicarcinus ovatus</i>	Three-Pronged Flat Spider Crab				23#, 29
<i>Halicarcinus rostratus</i>	Flat-Beaked Spider Crab				29
<i>Halicarcinus</i> sp.	Tiny Flat Spider Crab				2, 23#
<i>Haliophasma</i> sp. 1	An Isopod				29
<i>Helograpsus haswellianus</i>	Haswell's Shore Crab/Mud Crab				5
<i>Hodometrica australis</i>	A Tanaidacean				21, 29
<i>Hodometrica australis</i>					4
<i>Hyale</i> sp.	An Amphipod				21, 29
<i>Ibacus peronii</i>	Balmain Bug/Slipper Lobster				15
<i>Ischyroceridae</i> sp. 1	An Algal-Tube Dwelling Amphipod				21, 29
Isopod in sandy tubes					2
Isopods					7
<i>Jasus edwardsii</i>	Southern Rock Lobster				4
<i>Kalliapseudes</i> sp.	A Tanaid				29
<i>Lepas</i> sp.	A Pedunculate Goose Barnacle				4, 13, 22, 23#
<i>Leptanthura diemenensis</i>	An Isopod				29
<i>Leucothoe assimilis</i>	An Amphipod				29
<i>Leucothoe commensalis</i>	An Amphipod				29#
<i>Leucothoe</i> sp. 1	An Amphipod				29
<i>Leucothoe</i> sp. 2	An Amphipod				29
<i>Limnoria</i> sp.	A Boring Isopod				29
<i>Litocheira bispinosa</i>	Two-Spined Slender-Clawed Crab				29, 30
<i>Macrobrachium intermedium</i>	Striped Prawn				24, 29
<i>Maera mastersi</i>	An Amphipod				29
<i>Maera</i> sp.	An Amphipod				29
<i>Melicertus latisulcatus</i>	Western King Prawn				4, 5, 9, 24, 27
<i>Melitidae</i> sp. 1	An Amphipod				29
<i>Melitidae</i> sp. 2	An Amphipod				29
<i>Melitidae</i> sp. 4	An Amphipod				29
<i>Mesanthura stypantra</i>	An Isopod				29
<i>Metapenaeopsis crassissima</i>	Stout Velvet Prawn				22
<i>Metapenaeopsis novaeguineae</i>	Northern Velvet Prawn				29
<i>Natanolana wowine</i>	An Isopod				29
<i>Naxia aurita</i>	Smooth Seaweed Crab				4, 30
<i>Nebaliidae</i> sp. 1	Leptostracan				29
<i>Nectocarcinus integrifrons</i>	Red Swimmer Crab				30
<i>Oedicerotidae</i> sp. 1	An Amphipod				29
<i>Ostracotheres subglobosus</i>	Swollen Pea Crab				23
<i>Ovalipes australiensis</i>	Sand Crab				23
<i>Ozius truncatus</i>	Reef Crab				4
Paeneid prawn					2
<i>Paguridae</i> sp. 1	A Hermit Crab				29
<i>Paguristes frontalis</i>	Common Hermit Crab				9, 23#
<i>Palaemon intermedius</i>	A Carid Prawn				21
<i>Paradexamine lanacoura</i>	An Amphipod				29
<i>Paradexamine linga</i>	An Amphipod				29#

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Paradexamine moorehousei</i>	An Amphipod				29
<i>Parapontella brevicornis</i>	A Copepod				4
<i>Paratanais ignotus</i>	A Tanaid				29
<i>Parawaldeckia</i> sp.	An Amphipod				29
<i>Parelasmpopus</i> sp.	An Amphipod				21#, 29#
<i>Phoxocephalidae</i> sp. 1	An Amphipod				29
<i>Pilumnus monilifer</i>	Beaded Hairy Crab				4
<i>Pilumnus</i> sp.	A Hairy Crab				22
<i>Platynympha longicaudata</i>	An Isopod			UN	21, 24, 29
<i>Portunus pelagicus</i>	Blue Swimmer Crab		P		2, 3, 4, 5, 7, 9, 13, 15, 19, 22, 24, 27, 29, 31
<i>Protolembos drummondiae</i>	An Amphipod				21, 29
<i>Pseudopleonexes sheardi</i>	An Amphipod			ES	17
<i>Schizophrys aspera</i>	Sponge Crab			TA	9
<i>Sphaeroma quoianum</i>	Burrowing Pill Bug				4
<i>Talorchestia quadrimana</i>	Sand Hopper/An Amphipod				4
<i>Tanais dulongii</i>	A Tanaid				21, 29
<i>Tomituka doowi</i>	An Amphipod				29
<i>Tryphosella</i> sp.	An Amphipod				29
Unidentified hermit crab					2
<i>Waldeckia</i> sp. 1	An Amphipod				29
<i>Waldeckia</i> sp. 2	An Amphipod				29
<i>Waldeckia</i> sp. 3	An Amphipod				29
<i>Xenocheira fasciata</i>	An Amphipod				29
Sea slugs					
<i>Armina</i> sp.					26
<i>Ceratosoma brevicaudatum</i>					2, 3, 9, 22, 23, 26
<i>Chromodoris epicuria</i>	White Rabbit				23
<i>Discodoris</i> sp.					26
<i>Dorididae</i> sp. 1					29
<i>Dorididae</i> sp. 2					29
<i>Dorididae</i> sp. 3					29
<i>Doriopsilla carneola</i>					2, 7, 9
<i>Gymnodoris arnoldi</i>					23#
<i>Hypselodoris saintvincentius</i>					2
<i>Neodoris chrysoderma</i>	A yellow Dorid nudibranch				23
<i>Paradoris dubia</i>					23#
<i>Philineopsis lineolata</i>	A striped sea slug				29#
<i>Rostanga</i> sp.					23
Unidentified nudibranch					22
Chitons					
<i>Ischnochiton cariosus</i>					2, 7
<i>Ischnochiton lineolatus</i>					4
<i>Ischnochiton</i> sp.					3
<i>Stenochiton pilsbra</i>					21#
<i>Stenochiton pilsbryanus</i>					29#
<i>Stenochiton longicymba</i>					21, 29
Unidentified chitons					4, 22, 29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
Gastropods					
<i>Amblychilepas oblonga</i>	A Keyhole Limpet				29#
<i>Amblychilepas nigrita</i>	A Keyhole Limpet				29
<i>Amblychilepas</i> sp.	A Keyhole Limpet				29
<i>Anatrophon latior</i>	A small Trophine				38
<i>Astralium rutidoloma</i>	Granular Small Star/Star Shell			UN	21, 29
<i>Atys</i> sp.	A Bubble Shell				29
<i>Austrocochlea</i> sp.	A Periwinkle				4
<i>Bembicium</i> sp.					4
<i>Bembicium vittatum</i>	A Periwinkle				29
<i>Bittium</i> sp. 1	A Creeper				29
<i>Bittium</i> sp. 2	A Creeper				29
<i>Bullinidae</i> sp.	A Bubble Shell				22, 26#
<i>Calyptrea calyptraeformis</i>	A Slipper Limpet				29
<i>Cerithiidae</i> sp.	A Creeper				22
<i>Clanculus dunkeri</i>	A Top Shell				29
<i>Cominella eburnea</i>	A Whelk				21, 22, 26, 29
<i>Cominella</i> sp.	A Whelk				29
<i>Conus anemone</i>	A Cone Shell				2, 29
<i>Crassispiraharpularia</i>	A Turret Shell				29
<i>Diala</i> sp.					29
<i>Dicathais orbita</i>	A Whelk				22, 26
<i>Dosinia histrio</i>	A Venus Cockle				29
<i>Emarginula</i> sp.	A Slit Limpet				29
<i>Eunaticina umbilicata</i>	A Sand Snail				29
<i>Fusinus australis</i>	Spindle Shell				2, 4, 29
<i>Gazameda iredalei</i>	A Screw Shell				29
<i>Haliotis cyclobates</i>	An Abalone				13
<i>Haliotis scalaris</i>	An Abalone				2, 9
<i>Hipponix conicus</i>	Bonnet Limpet/A Horse Hoof Limpet				22, 26, 29
<i>Lotiidae</i> sp.	A Limpet				29
<i>Maoricrypta immersa</i>	A Slipper Limpet				29
<i>Mitrella lincolnsensis</i>	A Dove Shell				29#
<i>Muricidae</i> sp.	A Murex Shell				22
<i>Naccula punctata</i>	A Limpet				29
<i>Nassarius pauperatus</i>	A Whelk				4, 22, 26, 29
<i>Nassarius</i> sp.	Dog Whelk				4
<i>Naticidae</i> sp.	A Sand Snail/Moon Snail				22
<i>Nerita</i> sp.					4
<i>Notoacmea flammea</i>	Flame Limpet/Flamed Limpet				4
<i>Notocypraea comptoni</i>	Compton's Cowrie				4
<i>Phasianella australis</i>	A Pheasant Shell				29
<i>Phasianotrochus apicinus</i>	A Top Shell				29#
<i>Phasianotrochus irisodontes</i>	A Top Shell				22, 25, 26
<i>Philine</i> sp.	A Snail				29
<i>Pleuroploca australasia</i>					13, 22, 26
<i>Polinices conicus</i>	A Sand Snail				26
<i>Primovula cruenta</i>	Egg Cowrie			ES	5

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Pterynotus triformis</i>	Triple Murex/Triangle Murex				2, 4, 26
<i>Salinator</i> sp.	An Air-Breathing Snail				29
<i>Serpulorbis siphon</i>	'Worm Shell' Gastropod				2, 4, 7
<i>Sinum zonale</i>	A Sand Snail/Moon Snail				29
<i>Stomatella impertusa</i>	False Ear Shell				4
<i>Stomatella</i> sp.	A Top Shell				29
<i>Thalotia conica</i>	A Top Shell				25
<i>Thalotia</i> sp.	A Top Shell				29
<i>Triphoridae</i> sp. 1	A Creeper				29
<i>Trochidae</i> sp.	Top Shells				22
Unidentified cowrie	Epizoic on red gorgonoid				22
<i>Zeacumantus diemenensis</i>	A Mud Creeper				21, 29
<i>Zoila friendii thersites</i>	Black Cowrie			UN	5, 22, 26
Bivalves					
<i>Austromytilus peneticus verco</i>					21
<i>Abra exigua</i>					22, 26
<i>Anodontia perplexa</i>	A cockle				21, 29
<i>Anomia trigonopsis</i>	Orange jingle shell				2, 8, 29
<i>Atrina tasmanica</i>	Appearance similar to small Razorfish				2, 3, 9, 29
<i>Atrina</i> sp.					29
<i>Barbatia pistachia</i>	Banded Ark/Noah's Ark Shell				29
<i>Brachidontes rostratus</i>	Rostrate Mussel, Beaked Mussel				7
<i>Brachidontes erosa</i>					2#, 22#, 26#, 27#, 29#
<i>Chama ruderalis</i>					2, 7, 22, 26, 29
<i>Circe rivularis</i>	A wheel shell				2, 8, 22, 26, 29
<i>Corbula verconis</i>	A cockle				22, 26
<i>Dosinia histrio</i>	A venus cockle/surf clam				29
<i>Electroma georgiana</i>	Angel Wing				2, 3, 4, 22, 26, 29
<i>Electroma</i> sp.					29
<i>Equichlamys bifrons</i>	Queen Scallop				2, 4, 5, 13, 22, 23, 24, 26, 27, 29
<i>Fulvia tenuicostata</i>	A heart cockle				29
<i>Glycymeris radians</i>	A dog cockle				29
<i>Glycymeris grayana</i>	A dog cockle				29
<i>Glycymeris</i> sp.	A dog cockle (juvenile)				22
<i>Katylsia rhytiphora</i>	A cockle				21, 29
<i>Katylsia scalarina</i>	Sand Cockle				4, 22, 26
<i>Katylsia</i> sp.					4, 5, 7, 25, 29
<i>Laternula creccina</i>	A lantern clam				21, 29
<i>Lima lima vulgaris</i>	File Shell				2, 4, 22, 24, 26, 29
<i>Limaria orientalis</i>					2, 7
<i>Limopsis tenisoni</i>	A dog cockle				29#
<i>Limopsis</i> sp.	A dog cockle				29
<i>Macomona deltoidalis</i>	Triangular Tellin				21, 29
<i>Mactra pura</i>	A clam				4
<i>Mactra</i> sp.	A clam				29
<i>Malleus meridianus</i>	Hammer Oyster				2, 3, 4, 5, 7, 8, 9, 13, 14, 22, 23, 24, 26, 27, 29
<i>Merisca margaritina</i>	A sunset shell				21, 29

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Mimachlamys asperrima</i>	Doughboy Scallop/Sponge Scallop				4, 23
<i>Modiolus albicostatus</i>	A mussel				29
<i>Musculus ulmus</i>	A mussel				21#, 29#
<i>Musculus nanus</i>	A mussel				29#
<i>Myadora complexa</i>					29
<i>Myrtea bractea</i>	A cockle				29#
<i>Mytilus</i> sp.	A mussel				4, 29
<i>Nuculana verconis</i>	A beaked cockle				21, 29
<i>Ostrea angasi</i>	Native Oyster				22, 26, 27
<i>Pandora patula</i>					29
<i>Pecten fumatus</i>	King Scallop/Commercial Scallop				2, 4, 5, 13, 23, 24#, 26
<i>Pinctada albina sugillata*</i>	Pearl Oyster				7, 8
<i>Pinna bicolor</i>	Razorfish				2, 3, 4, 5, 7, 9, 13, 14, 22, 23, 24, 25, 26, 27, 29
<i>Placamen flindersi</i>	A venus cockle				4, 22, 26, 29
<i>Pododesmus zelandicus</i>	A jingle shell				29
<i>Saccostrea</i> sp.	An oyster				29
<i>Semele monilis</i>					29
<i>Solemya australis</i>					29#
<i>Soletellina biradiata</i>	Butterfly Cockle				4
<i>Tellina</i> sp. 1					29
<i>Tellina</i> sp. 2					29
<i>Teredo</i> sp.	A ship 'worm'				29
<i>Timoclea</i> sp.	A venus cockle				29
<i>Trichomya hirsuta</i>	Hairy Mussel				2, 4, 7, 13, 22, 26, 27, 29
<i>Trichomya penetectus</i>	A mussel				22, 26, 29
<i>Tucetona broadfooti</i>	A heart cockle			UN	2
<i>Tucetona flabellata</i>	A dog cockle				22, 26
Unidentified bivalve					4
Unidentified bivalve sp. 2					29
Unidentified bivalve sp. 4					29
<i>Venericardia</i> sp.	A cockle				29
<i>Vulcella vulcella</i>					29
<i>Wallucina assimilis</i>	A cockle				21, 29
<i>Xenostrobus inconsta</i>					22, 26
Cephalopods					
<i>Hapalochlaena maculosa</i>	Southern Blue-Ringed Octopus				23
<i>Idiosepius notoides</i>	Southern Pygmy Squid				30
<i>Octopus australis</i>					4
<i>Sepia apama</i>	Australian Giant Cuttlefish				4, 5, 9, 19
<i>Sepia</i> sp.	A cuttlefish				15
<i>Sepiadarium</i> sp.	Lace Bottletail Squid			UN	5
<i>Sepioloidea lineolata</i>	Striped Dumpling Squid				22
<i>Sepioteuthis australis</i>	Southern Calamary				5, 19, 22, 27
Bryozoans					
<i>Lichenopora</i> sp.					26#
<i>Celleporaria fusca</i>					2#
<i>Amathia biseriata</i>					2, 8
<i>Amathia brongiartii</i>					26#

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Amathia</i> sp.					22
<i>Amathia tortuosa</i>					26
<i>Bugula dentata</i>					2
<i>Bugula</i> sp.					5#, 11#, 26
<i>Bugularia dissimilis</i>					2
<i>Catenicella buskii</i>					2
<i>Cellaria</i> sp.					26
<i>Celleporaria cristata</i>					2, 3
<i>Celleporaria foliata</i>					2
<i>Celleporaria fusca</i>					4, 26
<i>Celleporaria</i> sp.					4, 7, 8
<i>Cigclisula verticalis</i>					2
<i>Cornucopina grandis</i>					2, 9
<i>Cornuticella cornuta</i>					26#
<i>Crisia acropora</i>					26
<i>Crisia</i> sp.					2
<i>Cryptopolyzoon concretum</i>					2
<i>Menipea roborata</i>					26
<i>Mesonea radians</i>					26
<i>Parmularia obliqua</i>	Stalked bryozoan				2, 3, 4, 11, 14#, 22, 26
<i>Petralia undata</i>	Fragile perforated Lace Bryozoan				2, 3, 4, 9
<i>Reteporella</i> sp.					22#
<i>Scruparia ambigua</i>					26
<i>Triphylozoon moniliferum</i>	A Lace Bryozoan				2
<i>Triphylozoon</i> sp.	A Lace Bryozoan				4, 7, 8, 23#, 26, 27
<i>Triphylozoon umbonatum</i>	A Lace Bryozoan				2
Sea stars					
<i>Anthaster valvulatus</i>	Brick-red Sea Star				2, 3, 9, 13, 22, 26
<i>Echinaster arcystatus</i>	Network Sea Star				23
<i>Luidia australiae</i>	Seven-Armed Sea Star/Sand Star				3, 4, 13, 22, 23, 26
<i>Patiriella exigua</i>					22, 26, 29
<i>Tosia australis</i>	Biscuit Star				7, 13, 22, 23, 26, 29
Brittle stars					
<i>Amphioplus ochroleuca</i>					26
<i>Amphipholis squamata</i>					29
<i>Amphiuraelandiformis</i>					29
<i>Amphiura poecila</i>					26
<i>Amphiura trisacantha</i>				UN	5, 26, 29
<i>Amphiura</i> sp.					29#
<i>Amphiuraparviscutata</i>					21, 29
<i>Ophiocentrus pilosa</i>					4, 29
<i>Ophioconus opacum</i>					26, 29
<i>Ophionereis semoni</i>					26
<i>Ophiothrix spongicola</i>	Brittle star with flattened spine ends				2, 13, 22, 26
Unidentified brittle star					4
Feather stars					
<i>Antedon incommoda</i>					26
<i>Cenolia trichoptera</i>					2

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
Urchins					
<i>Amblypneustes</i> sp.					2#
<i>Goniocidaris tubaria</i>	Pencil Urchin				2, 3, 4, 5, 8, 9, 13, 14#, 22#, 23, 26, 29
<i>Heliocidaris erythrogramma</i>	Purple Urchin				2, 4, 5, 9, 13, 27
<i>Microcyphus</i> sp.					22
<i>Temnopleurus michaelsoni</i>					13, 26, 29
Holothurians					
<i>Australostichopus mollis</i>					2#, 3, 4, 9
<i>Cucumella mutans</i>					29
<i>Holothuria</i> sp.					29#
<i>Leptosynapta dolabrifera</i>					21, 29
<i>Neothyonidium</i> sp.	Burrowing Cucumber				2#
<i>Plesiocolochirus ignava</i>					29
<i>Scoliorhapis</i> sp.					21, 29
<i>Synaptidae</i> sp.					29#
<i>Thyone</i> sp.					29
<i>Trochodota shepherdii</i>				UN	5, 29
Ascidians					
<i>Ascidia thompsoni</i>					7#, 8#, 26, 27
<i>Asciidiidae</i> sp. 1					21, 29
<i>Asciidiidae</i> sp. 2					29
<i>Asciidiidae</i> sp. 3					29
<i>Asciidiidae</i> sp. 4					29
<i>Asciidiidae</i> sp. 5					29
<i>Asciidiidae</i> sp. 6					29
<i>Botryllidae</i> sp.					26
<i>Botrylloides leachii</i>					22
<i>Botrylloides</i> sp.					2, 3, 23
<i>Botryllus stewartensis</i>					26
<i>Ciona</i> sp.					2#
<i>Clavelina cylindrica</i>					26
<i>Clavelina</i> sp.					22
<i>Cnemidocarpa radicata</i>					5, 13, 14, 22
<i>Corella</i> sp.					22
<i>Didemnidae</i> sp. 1					8
<i>Didemnidae</i> sp. 2					7
<i>Didemnidae</i> sp. 3					7
<i>Didemnidae</i> sp. 4					7
<i>Didemnidae</i> sp. 5					7
<i>Didemnidae</i> sp. 6					26
<i>Didemnidae</i> sp. 7					29
<i>Distaplia australiensis</i>					26
<i>Distaplia</i> sp.					22
<i>Halocynthia dumosa</i>					7, 13, 26
<i>Herdmania momus</i>	Red-throat Ascidian				3, 9, 13, 22, 26
<i>Herdmania</i> sp.	Sac Ascidian				2
<i>Hypsistozoa distomoides</i>	A colonial ascidian				26
<i>Microcosmus propinquus</i>					26

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Microcosmus</i> sp. 1					29
<i>Microcosmus squamiger</i>					26
<i>Microcosmus stoloniferus</i>					26
<i>Mogula mollis</i>					26
<i>Oculinaria australis</i>					22#
<i>Phallusia obesa</i>	A large spotted ascidian				2, 3, 4, 7, 8, 9, 13, 27
<i>Polycarpa clavata</i>					22
<i>Polycarpa papillata</i>					26
<i>Polycarpa pedunculata</i>					4, 5, 13, 14, 22, 24, 26, 27, 29#
<i>Polycarpa tinctor</i>					26#
<i>Polycarpa viridis</i>					2, 3, 5, 9
<i>Pyura australis</i>	SeaTulip				26
<i>Pyura stolonifera</i>	Cunjevoi/stalked ascidian				4#, 22#, 29#
<i>Pyura gangelion</i>					26
<i>Pyura gibbosa draschii</i>	Stalked ascidian				2, 3, 9
<i>Pyura irregularis</i>					22#, 26#
<i>Pyura spinifera</i>					3
<i>Pyura vittata</i>					26
<i>Ritterella</i> sp.	Sandy compound ascidian				2#, 3, 8, 9
<i>Stolonica australis</i>					9
<i>Sycozoa pedunculata</i>					5, 26
<i>Sycozoa pulchra</i>	Stalked compound ascidian				7#, 8#, 14, 22
Unidentified compound ascidian					7
Unidentified solitary ascidian					4
Fish					
<i>Acanthaluteres spilomelanurus</i>	Bridled Leatherjacket				5, 12, 24, 30
<i>Acanthopagrus butcheri</i>	Black Bream				5, 19, 27
<i>Acentronura australe</i>	Southern Pygmy Pipehorse	Ma	P		1#
<i>Aetapcus maculatus</i>	Warty Prowfish				22
<i>Aldrichetta forsteri</i>	Yellow-eye Mullet				5, 19
<i>Ammotretis rostratus</i>	Longsnout Flounder				30
<i>Aracana aurita</i>	Shaw's Cowfish				22, 23
<i>Aracana ornata</i>	Ornate Cowfish				23
<i>Argyrosomus hololepidotus</i>	Mulloway				5, 12, 23
<i>Arripis georgianus</i>	Australian Herring/Tommy Rough				4, 5, 12, 13, 19, 23, 27, 39
<i>Arripis truttacea</i>	Western Australian Salmon, Australian Salmon				4, 5, 19, 23, 27
<i>Aseraggodes haackeanus</i>	Southern Sole				22
<i>Atherinosoma microstoma</i>	Small-mouth Hardyhead				24
<i>Bathygobius krefftii</i>	Frayed-fin Goby			TA	5
<i>Blenniidae</i> spp.	Blennies				23
<i>Brachaluteres jacksonianus</i>	Southern Pygmy Leatherjacket				2, 9, 12, 23, 39
<i>Callogobius mucosus</i>	Sculptured Goby				29
<i>Campichthys galei</i>	Gales Pipefish	Ma	P		5
<i>Cheilodactylus nigripes</i>	Magpie Perch				2, 4, 5, 12, 23, 25
<i>Cheilodactylus rubrolabiatus</i>	Red-lipped Morwong				4, 5
<i>Chelmonops curiosus</i>	Western Talma				2, 4, 12, 23, 26
<i>Contusus brevicaudatus</i>	Prickly Toadfish				30
<i>Coryphaena hippurus</i>	Dolphin Fish				4, 5

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Cristiceps australis</i>	Southern Crested Weedfish				13, 22
<i>Dactylophora nigricans</i>	Dusky Morwong				4, 5, 12, 23, 31, 39
<i>Diodon nichthemerus</i>	Globe Fish				2, 3, 9, 22, 23, 31, 39
<i>Echinophryne crassispina</i>	Prickly Anglerfish				22
<i>Engraulis australis</i>	Australian Anchovy				4, 5
<i>Enoplosus armatus</i>	Old Wife				23, 31
<i>Eubalichthys gunnii</i>	Gunn's Leatherjacket				4, 12, 23
<i>Eubalichthys mosaicus</i>	Mosaic Leatherjacket				4, 5, 12, 23
Family Pleuronectidae and Family Bothidae	Flounders				4, 5, 19
<i>Favonigobius lateralis</i>	Southern Longfin Goby				21, 29, 30
<i>Favonigobius olorum</i>					30
<i>Filicampus tigris</i>	Tiger Pipefish	Ma	P	TA	1#, 4, 5
<i>Foetorepus calaupomus</i>	Common Stinkfish				4, 5, 12
<i>Genypterus tigerinus</i>	Rock Ling				19#
<i>Girella zebra</i>	Zebrafish				4, 5, 13
<i>Glyptauchen panduratus</i>	Goblin Fish				22
<i>Gobiidae</i> spp.	Gobies				23, 24
<i>Gonorynchus greyi</i>	Beaked Salmon				22
<i>Gymnapistes marmoratus</i>	Soldierfish				4, 5, 21, 22, 24, 29, 30
<i>Haletta semifasciata</i>	Blue Weed Whiting/Blue Rock Whiting				4, 5, 12, 13, 19#, 24, 30
<i>Heraldia nocturna</i>	Upside-down Pipefish	Ma	P		1#
<i>Heteroclinus heptaeolus</i>	Seven-bar Weedfish				32
<i>Heteroclinus</i> sp.	A Weedfish				29
<i>Heteroclinus</i> sp. 5	Few-ray Weedfish				32
<i>Hippocampus bleekeri</i>	Southern Pot-bellied Seahorse	Ma	P		4
<i>Hippocampus breviceps</i>	Short-head Seahorse, Short-snouted Seahorse	Ma	P		1#
<i>Histiogamphelus cristatus</i>	Rhino Pipefish, Macleay's Crested Pipefish	Ma	P		1#
<i>Hypoplectrodes nigroruber</i>	Black-banded Sea Perch				22
<i>Hyporhamphus melanochir</i>	South Australian Garfish				3, 4, 5, 19, 23, 27
<i>Hypselognathus rostratus</i>	Knife-snouted Pipefish	Ma	P		1#
<i>Katsuwonus pelamis</i>	Skipjack Tuna/Striped Tuna				5
<i>Kaupus costatus</i>	Deep-bodied Pipefish	Ma	P		1#, 5
<i>Kyphosus sydneyanus</i>	Silver Drummer				4, 5, 12, 13, 23
<i>Lepidotrigla papilio</i>	Spiny Gurnard				5, 12
<i>Lepidotrigla vanessa</i>	Butterfly Gurnard				22
<i>Leptoichthys fistularius</i>	Brushtail Pipefish	Ma	P		1#
<i>Lissocampus caudalis</i>	Australian Smooth Pipefish	Ma	P		1#
<i>Lissocampus runa</i>	Javelin Pipefish	Ma	P		1#
<i>Maroubra perserrata</i>	Sawtooth Pipefish	Ma	P		1#
<i>Meuschenia freycineti</i>	Six-spine Leatherjacket				5, 12, 19#, 39
<i>Meuschenia galii</i>	Blue-lined Leatherjacket				23
<i>Meuschenia hippocrepsis</i>	Horseshoe Leatherjacket				23
<i>Meuschenia scaber</i>	Velvet Leatherjacket				5, 12, 13
<i>Neoodax balteatus</i>	Little Weed Whiting				9, 30, 39
<i>Neosebastes bougainvillii</i>	Gulf Gurnard Perch				22
<i>Neosebastes pandus</i>	Bighead Gurnard Perch				23

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Notiocampus ruber</i>	Red Pipefish	Ma	P		1#
<i>Notolabrus tetricus</i>	Blue-throated Wrasse				5#
<i>Ophiclinops pardalis</i>	Spotted Snake Blenny			UN	32
<i>Ophiclinops varius</i>	Variiegated Snake Blenny				29
<i>Pagrus auratus</i>	Pink Snapper/Snapper				4, 5, 9, 12, 15, 19, 22, 23, 26, 27, 31
<i>Parablennius tasmanianus</i>	Tasmanian Blenny				4
<i>Parapercis allporti</i>	Barred Grubfish				2
<i>Parapercis haackei</i>	Wavy Grubfish				4, 5, 7, 12, 22, 23, 26, 31, 39
<i>Parapercis ramsayi</i>	Spotted Grubfish				2
<i>Parapercis</i> spp.					2, 9
<i>Parequula melbournensis</i>	Silverbelly				5, 12, 23, 26
<i>Pelates octolineatus</i>	Western Striped Grunter/Striped Trumpeter				12, 19, 22, 23#, 24, 26, 30
<i>Pempheris multiradiata</i>	Common Bullseye				5, 12, 31
<i>Pentaceropsis recurvirostris</i>	Long-snouted Boarfish				2, 5, 9, 12, 22, 23, 26, 31
<i>Phycodurus eques</i>	Leafy Seadragon	Ma	P		1#
<i>Phyllopteryx taeniolatus</i>	Weedy Seadragon, Common Seadragon	Ma	P		1#
<i>Pictilabrus laticlavus</i>	Senator Wrasse				5#
<i>Platycephalus bassensis</i>	Southern Sand Flathead				5#, 12, 22, 30
<i>Platycephalus laevigatus</i>	Rock Flathead/Black Flathead/Grass Flathead				12
<i>Platycephalus speculator</i>	Southern Blue-spotted Flathead				22
<i>Platycephalus</i> spp.	Flathead Species				5, 15, 19, 27, 29#
<i>Polyspina piosae</i>	Orange-barred Pufferfish				5
<i>Pseudocaranx dentex</i>	Silver Trevally/Trevally				5, 9, 12, 19, 22, 23#, 26
<i>Pseudocaranx wrightii</i>	Skipjack Trevally/Silver Trevally/Sand Trevally				15
<i>Pseudogobius olorum</i>	Bluespot Goby				29
<i>Pseudaphritis urvillii</i>	Congolli				36
<i>Pseudorhombus arsius</i>	Largetooth Flounder				5#, 12
<i>Pseudorhombus jenynsii</i>	Smalltooth Flounder				22, 26
<i>Pugnaso curtirostris</i>	Pug-nosed Pipefish	Ma	P		1#
<i>Repomucenus calcaratus</i>	Spotted Dragonet/Spotted Stinkfish				22
<i>Scobinichthys granulatus</i>	Rough Leatherjacket				9, 12, 30
<i>Scorpis aequipinnis</i>	Sea Sweep				2, 23
<i>Scorpis georgianus</i>	Banded Sweep				4, 12, 23
<i>Seriola lalandi</i>	Yellowtail Kingfish				4, 5, 12, 19, 23
<i>Sillaginodes punctata</i>	King George Whiting				5, 12, 19, 22, 23#, 27, 31
<i>Sillago bassensis</i>	Southern School Whiting				22
<i>Sillago schomburgkii</i>	Yellowfin Whiting				4, 5, 19, 23#, 27
<i>Siphamia cephalotes</i>	Wood's Siphonfish				9, 24, 30, 39
<i>Siphonognathus radiatus</i>	Long-ray Weed Whiting				24, 30
<i>Solegnathus robustus</i>	Robust Pipehorse, Robust Spiny Pipehorse	Ma	P		1#
<i>Sphyræna novaehollandiae</i>	Snook				4, 5, 19, 22, 27
<i>Spratelloides robustus</i>	Blue Sprat				16, 22
<i>Stigmatopora argus</i>	Spotted Pipefish	Ma	P		1#, 24

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Stigmatopora nigra</i>	Wide-bodied Pipefish, Black Pipefish	Ma	P		1#
<i>Stipecampus cristatus</i>	Ring-backed Pipefish	Ma	P		1#
<i>Tetractenos glaber</i>	Smooth Toadfish				5, 22
<i>Thamnaconus degeni</i>	Degen's Leatherjacket/Bluefin Leatherjacket				15
<i>Tilodon sexfasciatus</i>	Moonlighter				2, 4, 5, 12, 23
<i>Torquigener pleurogramma</i>	Weeping Toadfish/Weeping Toado				5
<i>Trachichthys australis</i>	Roughy				5, 26
<i>Trachurus declivis</i>	Common Jack Mackerel				22
<i>Trachurus novaezelandiae</i>	Yellow-tail Scad				5, 12
Unidentified pipefish					24
<i>Upeneichthys vlamingii</i>	Blue-spotted Goatfish/Red Mullet				5, 12, 19, 22, 23, 31
<i>Urocampus carinirostris</i>	Hairy Pipefish	Ma	P		1#
<i>Vanacampus margaritifer</i>	Mother-of-pearl Pipefish	Ma	P		1#
<i>Vanacampus phillipi</i>	Port Phillip Pipefish	Ma	P		1#, 29#
<i>Vanacampus poecilolaemus</i>	Long-snouted Pipefish	Ma	P		1#, 5, 29#
<i>Vanacampus vercoi</i>	Verco's Pipefish	Ma	P		1#
<i>Vincentia badia</i>	Scarlet Cardinalfish				5
<i>Vincentia conspersa</i>	Southern Cardinalfish				4#, 5, 9, 22, 23, 24#, 30, 39
<i>Xiphias gladius</i>	Broadbill Swordfish				5
Sharks and rays					
<i>Alopias vulpinus</i>	Thresher Shark				5
<i>Aptychotrema vincentiana</i>	Western Shovelnose Ray				15, 22
<i>Asymbolus vincenti</i>	Gulf Catshark				15, 22
<i>Callorhynchus milii</i>	Elephant Fish/Elephant Shark				5, 15, 22
<i>Carcharhinus brachyurus</i>	Bronze Whaler				5, 19, 22
<i>Carcharodon carcharias</i>	Great White Shark	V, Mi	P		1#, 4, 5
<i>Dasyatis brevicaudata</i>	Smooth Stingray				4, 5, 15, 22, 39
<i>Dipturus</i> sp. M	Pygmy Thornback Skate				15#
<i>Dipturus cerva</i>	White-spotted Skate				15
<i>Dipturus whitleyi</i>	Melbourne Skate				15
<i>Furgaleus macki</i>	Whiskery Shark				4, 5
<i>Galeorhinus galeus</i>	School Shark				4, 5, 19, 22
<i>Heterodontus portusjacksoni</i>	Port Jackson Shark				4, 15, 22, 23, 39
<i>Hypnos monopterygium</i>	Coffin Ray/Numbfish				23
<i>Mustelus antarcticus</i>	Gummy Shark				4, 5, 15, 19, 22
<i>Myliobatis australis</i>	Eagle Ray				4, 5, 15, 19#, 22, 23
<i>Notorynchus cepedianus</i>	Broadnose Sevengill Shark				15
<i>Orectolobus halei</i>	Large Ornate Wobbegong				22, 23, 26
<i>Pristiophorus cirratus</i>	Common Saw Shark				4
<i>Pristiophorus nudipinnis</i>	Southern Saw Shark				15
<i>Sphyrna zygaena</i>	Smooth Hammerhead				4, 5, 15, 22, 23
<i>Squalus megalops</i>	Piked Spurdog				15
<i>Squatina australis</i>	Australian Angelshark				15, 22
<i>Sutorectus tentaculatus</i>	Cobbler Wobbegong				15, 39
<i>Trygonorrhina fasciata</i>	Southern Fiddler Ray				5, 15, 19#, 22, 23, 26
<i>Urolophus orarius</i>	Coastal Stingaree				5#, 15

Table O2.1 Species recorded or likely to occur in Upper Spencer Gulf (cont'd)

Species name (* denotes introduced species)	Descriptive or common name	Status		Other conservation significance	Source (# denotes uncertain record)
		AUS	SA		
<i>Urolophus paucimaculatus</i>	Sparsely-spotted Stingaree				15
Mammals					
<i>Arctocephalus forsteri</i>	New Zealand Fur Seal	Ma	P		1#
<i>Arctocephalus pusillus</i>	Australian Fur Seal, Australo-African Fur Seal	Ma	R, P		1#
<i>Balaenoptera edeni</i>	Bryde's Whale	W, Mi	P		1#, 5, 40
<i>Caperea marginata</i>	Pygmy Right Whale	W, Mi	R, P		1#
<i>Delphinus delphis</i>	Common Dolphin	W	P		1#, 5, 40
<i>Eubalaena australis</i>	Southern Right Whale	E, W, Mi	V, P		1#, 5
<i>Kogia breviceps</i>	Pygmy Sperm Whale		R, P		5, 40
<i>Lagenorhynchus obscurus</i>	Dusky Dolphin	W, Mi	R, P		1#
<i>Megaptera novaeangliae</i>	Humpback Whale	V, W, Mi	V, P		1#
<i>Mesoplodon layardii</i>	Strap-toothed Whale		R, P		5#
<i>Neophoca cinerea</i>	Australian Sea-lion	V	V, P		1#, 5
<i>Tursiops aduncus</i>	Indo-Pacific Bottlenose Dolphin	W	P		1#, 40
<i>Tursiops truncatus</i>	Common Bottlenose Dolphin	W	P		1#, 4, 5
Reptiles					
<i>Caretta caretta</i>	Loggerhead Turtle	E	E		5
<i>Chelonia mydas</i>	Green Turtle	V	V		5
<i>Dermochelys coriacea</i>	Leatherback Turtle	V	V		34
<i>Eretmochelys imbricata</i>	Hawksbill Turtle	V			5

Table O2.2 Sources of information about species presence

Source Identifier	Description/Reference	Area covered by report (USG = Upper Spencer Gulf) (see Figure O4.1)
1	Protected Matters database (DEWHA 2008)	All of USG
2	Point Lowly Survey (Appendix O1)	Point Lowly/Port Bonython
3	Whyalla surveys, 2004 (unpublished SEA data)	Whyalla
4	SEA 1981	Point Lowly / Port Bonython
5	Baker 2004	All of USG
6	Seabirds report (Appendix O3)	All of USG
7	Landing facility, Site 1 survey (Appendix O1)	10 km south of Port Augusta
8	Landing facility, Site 3 survey	20 km south of Port Augusta
9	Port Bonython Jetty surveys (unpublished BHP Billiton data)	Point Lowly / Port Bonython
10	COSEMA database (Cheshire et al. 2000; Turner 2000)	All of USG
11	Shepherd 1983a	Two Hummock Point
12	Branden et al. 1994	Whyalla, Port Pirie and Blanche Harbor
13	Shepherd 1974	Crag Point
14	Shepherd and Branden 1974	Red Cliff Point
15	Dixon et al. 2005 and Svane et al. 2007	South of Point Lowly
16	Rogers et al. 2003	Whyalla, Ward Spit, Fitzgerald Bay, Chinaman Creek
17	Just 2002	Yatala Harbor
18	Reef Watch 2007a, confirmed by Brook, J, pers. observation, October 2007	Dive locations in USG
19	SARDI commercial fishing data	All of USG
20	Lowry and Stoddart 2002	Point Lowly
21	Ward and Hutchings 1996	Port Pirie

Table O2.2 Sources of information about species presence (cont'd)

Source Identifier	Description/Reference	Area covered by report (USG = Upper Spencer Gulf) (see Figure O4.1)
22	Shepherd 1973	Douglas Bank to Blanche Harbor/Red Cliff Point
23	Healy and Reynolds 1992	All of USG
24	Ward et al. 1986	Port Pirie
25	Kinhill Stearns 1986	Whyalla
26	Shepherd 1983b	Douglas Bank to Blanche Harbor/Red Cliff Point
27	McLaren and Wiltshire 1984	All of USG
28	Seddon et al. 2000	Port Pirie
29	Hutchings et al. 1993	Port Pirie
30	McDonald 2008	False Bay
31	Reef Watch 2007b	Point Lowly/Port Bonython
32	Baker 2008	All of USG
33	Hutchings and Peart 2000	Crag Point, Backy Point, Point Lowly/Port Bonython, Ward Spit, False Bay, Whyalla, Port Pirie.
34	Limpus (in press)	All of USG
35	Ahyong 2001	All of USG
36	Favier et al. 2004	Port Pirie
37	Identifications of samples from sponge community near Point Lowly (L Goudie, Taxonomist, pers. comm., 14 May 2008)	Point Lowly
38	CHAFC 2008	All of USG
39	Brook, J, pers. observation, June 2008, during cuttlefish population surveys (described in Appendix O5.5)	Point Lowly, Backy Point
40	Department for Environment and Heritage Biological Database of South Australia (BDSA) extracted 1 August 2008	All of USG

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