

## *Marine and Estuarine Fishes and Elasmobranchs of Conservation Concern in South Australia*

The author, Janine Baker, is seeking information from divers on sightings of fish in the list below. Please contact her directly, [jjbaker@senet.com.au](mailto:jjbaker@senet.com.au), with any information.

Common Name	Latin Name
Pouched Lamprey	<i>Geotria australis</i>
Short-headed Lamprey	<i>Mordacia mordax</i>
Longfin Hagfish	<i>Eptatretus longipinnis</i>
Green Moray / Yellow Moray	<i>Gymnothorax prasinus</i>
Southern Conger Eel	<i>Conger verreauxi</i>
Short-finned Conger Eel	<i>Conger wilsoni</i>
Little Conger Eel	<i>Gnathophis longicaudatus</i> / <i>G. longicaudus</i>
Largepore Conger Eel	<i>Gnathophis macroporis</i>
Ladder Eel	<i>Scalanago lateralis</i>
Estuary Catfish / Cobbler	<i>Cnidoglanis macrocephalus</i>
Australian Grayling	<i>Prototroctes maraena</i>
Short-finned Eel / Shortfin Eel / Silver Eel	<i>Anguilla australis</i>
Spotted Galaxias / Trout Galaxias / Spotted Mountain Trout	<i>Galaxias truttaceus</i>
Climbing Galaxias / Short-finned Galaxias / Broad-finned Galaxias	<i>Galaxias brevipinnis</i>
Pinkhead Frogfish / Pink-headed Frogfish	<i>Batrachomoeus rubricephalus</i>
Australian Handfish / Common Handfish	<i>Brachionichthys</i> sp.
Warty Handfish / Verrucose Handfish	<i>Sympterichthys verrucosus</i> / <i>Brachionichthys verrucosus</i>
Rough Anglerfish	<i>Kuiterichthys furcipilis</i>
Bougainville's Anglerfish	<i>Histiophryne bougainvilli</i>
Rodless Anglerfish / Cryptic Anglerfish	<i>Histiophryne cryptacantha</i> (= <i>H. cryptacanthus</i> )
Glover's Anglerfish	<i>Rhycherus gloveri</i>
Sponge Anglerfish	<i>Echinophryne reynoldsi</i>
Spinycoat Anglerfish / Mitchell's Anglerfish /	<i>Echinophryne mitchellii</i>

**Comment:** In S.A., likely to only be found in the far west of the State.

**Comment:** Especially interested in location records for both species of Handfish in SA

Long-spined Anglerfish	(= <i>Trichophryne mitchelli</i> )
Glauert's Anglerfish	<i>Allenichthys glauerti</i>
Rock Ling	<i>Genypterus tigerinus</i>
Slender Blindfish	<i>Dermatopsis multiradiatus</i>
Southern Pygmy Blindfish	<i>Ogilbia</i> sp.
Short-snout Hardyhead	<i>Kestratherina brevirostris</i>
Pikehead Hardyhead	<i>Kestratherina esox</i>

**Comment:** Especially interested in Rock Ling records from areas other than Gulf St Vincent

River Garfish	<i>Hyporhamphus regularis ardelio</i> (Eastern form) <i>H. regularis regularis</i> (Western form)
Bight Redfish / Red Snapper / Golden Snapper	<i>Centroberyx gerrardi</i>
Golden Roughy	<i>Paratrachichthys</i> (= <i>Aulotrachichthys</i> ) <i>pulsator</i>
Sculptured Sea Moth / Seamoth	<i>Pegasus lancifer</i>
Threefin Velvetfish	<i>Neoploactis tridorsalis</i>
Deep Velvetfish	<i>Kanekonia queenslandica</i>
Whiskered Prowfish	<i>Neopataecus waterhousii</i>
Red Velvetfish	<i>Gnathanacanthus goetzei</i>
White-nose Pigfish	<i>Perryena leucometopon</i>
Southern Pot-Bellied Seahorse / Southern Potbelly Seahorse	<i>Hippocampus bleekeri</i>
Short-headed Seahorse / Short-snouted Seahorse	<i>Hippocampus breviceps</i>
Robust Pipehorse	<i>Solegnathus robustus</i>
Southern Little Pipehorse / Southern Pygmy Pipehorse	<i>Acentronura australe</i> (= <i>Idiotropiscis australe</i> )
Brush-Tail Pipefish	<i>Leptoichthys fistularius</i>
Javelin Pipefish	<i>Lissocampus runa</i>
Smooth Pipefish	<i>Lissocampus caudalis</i>
Bass Strait Pipefish / Trawl Pipefish	<i>Kimblaesus bassensis</i>
Gales Pipefish	<i>Campichthys galei</i>
Red Pipefish	<i>Notiocampus ruber</i>
Ring-Back Pipefish / Ring-backed Pipefish	<i>Stipecampus cristatus</i>
Western Upsidedown Pipefish	<i>Heraldia</i> sp. 1
Macleay's Crested Pipefish / Rhino Pipefish	<i>Histiogamphelus cristatus</i>
Brigg's Pipefish	<i>Histiogamphelus briggsii</i>
Knife-Snout Pipefish	<i>Hypselognathus rostratus</i>
Prickly Pipefish	<i>Hypselognathus horridus</i>
Hairy Pipefish	<i>Urocampus carinirostris</i>
Tiger Pipefish	<i>Filicampus tigris</i>

**Comment:** Especially interested in records of Threefin Velvetfish and Deep Velvetfish – both are considered to be rare, mainly tropical and subtropical species, and for each species, I can find only one verified record for SA.

**Comment:** Most published records for SA are old – 1960s and 1970s and earlier. Any recent records of Whiskered Prowfish might be helpful, especially for gulf's region.

**Comment:** Very interested in obtaining location records for this species – there are very few known or published.

**Comment:** There are many location records for the two Seahorse species, particularly *H. bleekeri*, but I've included them here since they are part of the report, and some divers' records might be useful, depending on location.

**Comment:** Already have a lot of location records, but included here in case some extra records are useful

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**Comment:** Given the depth range and geographic distribution known to date, not likely to be seen by Reefwatch divers, but included here just in case.

**Comment:** Very interested in any Tiger Pipefish records from GSV

Pug-nose Pipefish / Pug-nosed Pipefish	<i>Pugnaso curtirostris</i>
Verco's Pipefish	<i>Vanacampus vercoi</i>
Long-Snout Pipefish	<i>Vanacampus poecilolaemus</i>
Deep-Bodied Pipefish / Deepbody Pipefish	<i>Kaupus costatus</i>
Gulf Pipefish	<i>Stigmatopora</i> nov. sp. 1 = <i>S. nasospatulata</i> (Browne et al., in prep.)
Venus Bay Pipefish	<i>Stigmatopora venusensis</i> nov. sp. (Browne et al., in prep.)

Little Scorpion Fish	<i>Maxillcosta scabriceps</i>
Black-spotted Gurnard Perch	<i>Neosebastes nigropunctatus</i>
Gurnard Perch	<i>Neosebastes pandus</i>
Gulf Gurnard Perch	<i>Neosebastes bougainvilli</i>
Reef Ocean Perch / Red Gurnard Perch / Red Perch / Ocean Perch / Sea Perch	<i>Helicolenus percoides</i>
Goblin Fish	<i>Glyptauchen panduratus</i>
Western Fortescue	<i>Centropogon latifrons</i>
Southern Shortfin Gurnard	<i>Lepidotrigla spinosa</i>
Latchet / Sharp-beaked Gurnard	<i>Pterygotrigla polyommata</i>
Toothy Flathead	<i>Neoplatycephalus aurimaculatus</i>
Tiger Flathead	<i>Neoplatycephalus richardsoni</i>
Longhead Flathead / Long-headed Flathead	<i>Leviprora inops</i>
Harlequin Fish	<i>Othos dentex</i>
Slender Orange Perch / Western Sea Perch	<i>Lepidoperca occidentalis</i>
Butterfly Perch	<i>Caesioperca lepidoptera</i>
Barber Perch	<i>Caesioperca rasor</i>
Black Rockcod / Saddled Rockcod / Black Cod	<i>Epinephelus daemeli</i>
Western Wirrah	<i>Acanthistius serratus</i>
Splendid Perch / Rosy Perch	<i>Callanthias australis</i> / <i>Callanthias allporti</i>
Estuary Perch	<i>Macquaria colonorum</i>
Luderick / Blackfish	<i>Girella tricuspidata</i>
Footballer Sweep / Western Footballer	<i>Neatypus obliquus</i>
Brown-spotted Boarfish / Yellow-spotted Boarfish	<i>Paristiopterus gallipavo</i>
Giant Boarfish	<i>Paristiopterus labiosus</i>
Short Boarfish / Hutchins' Boarfish	<i>Parazanclistius hutchinsi</i>
Long-finned Boarfish / Longfin Boarfish / Black-spotted Boarfish	<i>Zanclistius elevatus</i>
Western Kelpfish	<i>Chironemus georgianus</i>
Silver Spot	<i>Threpterus maculosus</i>

**Comment:** Not likely to be seen by divers, but included here just in case

**Comment:** There are several species of gurnard – only interested in divers' records for these two if species identity is certain.

**Comment:** Not likely to be seen by divers, but included here just in case

**Comment:** Already have quite a lot of records, but some more might be useful, depending on location.

**Comment:** Already have quite a lot of records for the two *Caesioperca* species, but more might be useful, depending on location.

**Comment:** An eastern Australian species, not likely to be seen in S.A., but occasionally specimens have been found (e.g. KI)

**Comment:** A W.A. species – likely to be seen only in western S.A., but included here just in case any divers have records from west coast of S.A.

Southern Sea Carp (Marblefish)	<i>Aplodactylus arctidens</i>
Western Sea Carp	<i>Aplodactylus westralis</i>
Knifejaw	<i>Oplegnathus woodwardi</i>
Western Blue Devilfish	<i>Paraplesiops meleagris</i>
Alison's Blue Devil	<i>Paraplesiops alisonae</i>
Southern Longfin	<i>Beliops xanthokrossos</i>
Brown-Spotted Wrasse / Orange-Spotted Wrasse / Blue-Spotted Parrotfish	<i>Notolabrus parilus</i>

**Comment:** Possible that the two sea carps will not be included in the report, and already have quite a lot of location records, but some more might be useful for other purposes.

**Comment:** Not likely to be seen by divers, but included here just in case.

**Comment:** Have a lot of records, but more might be useful, depending on location.

**Comment:** Very interested in S.A. records for this species

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**Comment:** Have a lot of records, but more might be useful, depending on location.

Maori Wrasse	<i>Ophthalmolepis lineolata</i>
Purple Wrasse / Saddled Wrasse / Yellow-saddled Wrasse	<i>Notolabrus fucicola</i>
Rosy Wrasse	<i>Pseudolabrus psittaculus</i> (= <i>P. rubicundus</i> )
Snakeskin Wrasse	<i>Eupetrichthys angustipes</i>
Western Foxfish	<i>Bodianus frenchii</i>
Fringed Stargazer	<i>Ichthyoscopus barbatus</i>
Common Stargazer	<i>Kathetostoma laeue</i>
Bandfish	<i>Cepola australis</i>
Red-lipped Morwong	<i>Cheilodactylus rubrolabiatus</i>
Banded Morwong / Brown-banded Morwong / Red Moki	<i>Cheilodactylus</i> (= <i>Goniistius</i> ) <i>spectabilis</i>
Jackass Morwong / Jackass Fish / Tarakihi	<i>Nemadactylus macropterus</i>
Southern Blue Morwong / Queen Snapper / Queen Morwong	<i>Nemadactylus valenciennesi</i>
Tasmanian Trumpeter / Striped Trumpeter	<i>Latris lineata</i>
Bastard Trumpeter / Silver Trumpeter / Copper Moki	<i>Latridopsis forsteri</i>
Orange Cardinalfish	<i>Vincentia punctata</i>
Scarlet Cardinalfish	<i>Vincentia badia</i>
Smooth Cardinalfish	<i>Vincentia macrocauda</i>
Southern Cardinalfish / Southern Gobbeguts	<i>Vincentia conspersa</i>
Silver Trevally / White Trevally / Skippy	<i>Pseudocaranx dentex</i>
Eelblenny	<i>Peronedys anguillaris</i>
Variiegated Snake-blenny	<i>Ophiclinops varius</i>
Spotted Snake-blenny	<i>Ophiclinops pardalis</i>
Shortfin Snake-blenny	<i>Ophiclinus brevipinnis</i>
Adelaide Blenny / Adelaide Snake-blenny	<i>Ophiclinus antarcticus</i>
Gabriel's Snake-blenny / Frosted Snake-blenny	<i>Ophiclinus gabrieli</i>
Rosy Weedfish	<i>Heteroclinus roseus</i>

**Comment:** Have quite a lot of records for Common Stargazer, but more might be useful, depending on location..

**Comment:** Very interested in SA records for this species

Forster's Weedfish / Long-Snouted Weedfish / Sharp-Nose Weedfish / Longnose Weedfish	<i>Heteroclinus tristis</i> (prev. <i>H. forsteri</i> )
Johnston's Weedfish / Broad-Headed Weedfish	<i>Heteroclinus johnstoni</i>
Whitley's Weedfish	<i>Heteroclinus</i> sp. 2 (in Gomon et al., 1994) <i>Heteroclinus</i> sp. 4 (in Kuitert, 1996)
Coleman's Weedfish	<i>Heteroclinus</i> sp. 4 (in Gomon et al., 1994) <i>Heteroclinus</i> sp. 1 (in Kuitert, 1996)
Seven-Bar Weedfish	<i>Heteroclinus heptaeolus</i>
Kelp Weedfish	<i>Heteroclinus eckloniae</i>

Wilson's Weedfish	<i>Heteroclinus wilsoni</i>
Tasselled Weedfish / Large-Eye Weedfish	<i>Heteroclinus macrophthalmus</i>
Little Weedfish / The Girls' Weedfish	<i>Heteroclinus puellarum</i>
Fewray Weedfish	<i>Heteroclinus</i> sp. 5 (in Gomon et al., 1994)
Milward's Weedfish	<i>Heteroclinus</i> sp. 6 (in Gomon et al., 1994)
Sand Crawler	<i>Sticharium dorsale</i>
Dusky Crawler	<i>Sticharium clarkae</i>
Pale Mangrove Goby	<i>Mugilogobius paludis</i>
Twospot Fringedfin Goby / Twospot Goby	<i>Eviota bimaculata</i>
Lagoon Goby	<i>Tasmanogobius lasti</i>
Large-mouth Goby / Largemouth Goby	<i>Redigobius macrostoma</i>
Frayed-Fin Goby / Frayedfin Goby / Krefft's Goby	<i>Bathygobius krefftii</i> (= <i>B. krefftii</i> )
Groove-cheek Goby / Grooved-cheek Goby / Groovecheek Goby	<i>Nesogobius</i> sp. 4 (in Gomon et al., 1994) <i>Nesogobius</i> sp. 7 (in Kuitert 1996; Australian Museum, 2003)
Sicklefin Sand Goby	<i>Nesogobius</i> sp. 5 (in Gomon et al., 1994) <i>Nesogobius</i> sp. 3 (in Kuitert, 1996)
Threadfin Sand Goby	<i>Nesogobius</i> sp. 2 (in Gomon et al., 1994 and Kuitert 1996)
Tamar River Goby	<i>Favonigobius tamarensis</i> / <i>Afurcagobius tamarensis</i>
Dwarf Flathead Gudgeon	<i>Philypnodon</i> sp.
Obscure Little Clingfish / Obscure Clingfish	<i>Parvicrepis</i> sp. 2 (in Gomon et al., 1994)
Long-Snout Clingfish	<i>Parvicrepis</i> sp. 1 (in Gomon et al., 1994 and Kuitert, 1996)
Brown-spotted Spiny Clingfish / Kelp Clingfish	Genus A, sp. 2 (in Gomon et al., 1994) Genus 2, sp. 1 (in Kuitert, 1996b)
Rat Clingfish	Genus B sp. (in Gomon et al., 1994)
(Grass Clingfish, Slender Clingfish and other seagrass-dwelling gobiesocids)	(undescribed – e.g. Genus C or Genus 1, amongst others – see Gomon et al., 1994; Kuitert 1996; W.A. Museum, 2003)
Congolli / Tupong / Sandy	<i>Pseudaphritis urvillii</i>
Crested Triplefin	<i>Trinorfolkia (Norfolkia) cristata</i>

Blue-spotted Pufferfish / Blue-spotted Toadfish	<i>Omegophora cyanopunctata</i>
Orange-barred Pufferfish	<i>Polyspina piosae</i>
Starry Toadfish / Starry Toado	<i>Arothron firmamentum</i>
Weeping Toado / Banded Toadfish / Common Blowfish	<i>Torquigener pleurogramma</i>
Humpback Boxfish / White-barred Boxfish / Humpty Dumpty	<i>Anoplocapros lenticularis</i>
Western Smooth Boxfish / Blue Boxfish / Robust Boxfish	<i>Anoplocapros amygdaloides</i>
Rigid Boxfish	<i>Caprichthys gymnura</i>

Flimsy Flounder	<i>Arnoglossus</i> sp.
Bass Strait Flounder	<i>Arnoglossus bassensis</i>
Crested Flounder	<i>Lophonectes gallus</i>
Derwent Flounder	<i>Tararetis derwentensis</i>
Short-fin Flounder / Shortfin Flounder	<i>Ammotretis brevipinnis</i>
Large-scale Flounder / Largescale Flounder	<i>Ammotretis macrolepis</i>
Southern Sole / Southern Textile Sole	<i>Aseraggodes haackeanus</i>
Dusky-banded Sole / Duskybanded Sole	<i>Zebrias penesularis</i>
Southern Tongue Sole / Broadhurst's Tongue Sole	<i>Cynoglossus broadhursti</i>
Blue-tailed Leatherjacket / Bluetail Leatherjacket	<i>Eubalichthys cyanoura</i>
Gunn's Leatherjacket	<i>Eubalichthys gunnii</i>
Black Reef Leatherjacket / Whitley's Leatherjacket	<i>Eubalichthys bucephalus</i>
Smoothspine Leatherjacket	<i>Cantheschenia longipinnis</i>
Spiny-tailed Leatherjacket / Spiny-tail Leatherjacket	<i>Acanthaluteres brownii</i>
Stars-and-Stripes Leatherjacket / Beautiful Leatherjacket	<i>Meuschenia venusta</i>
Blue-lined Leatherjacket / Gal's Leatherjacket / Gale's Leatherjacket	<i>Meuschenia galii</i>
Brown-striped Leatherjacket / Southern Leatherjacket	<i>Meuschenia australis</i>
Ocean Leatherjacket / Chinaman Leatherjacket	<i>Nelusetta ayraudi</i>
Blue Warehou / Warehou / Common Warehou / Snotty Trevalla	<i>Seriolella brama</i>
Silver Warehou / Spotted Warehou / Spotted Trevalla / Blue Bass	<i>Seriolella punctata</i>
Spotted Wobbegong	<i>Orectolobus maculatus</i>
Banded Wobbegong / Ornate Wobbegong	<i>Orectolobus ornatus</i>
Cobbler Carpetshark	<i>Sutorectus tentaculatus</i>

**Comment:** Not likely to be seen by divers, but included just in case.

**Comment:** Not likely to be seen by divers, but included just in case.

**Comment:** Have quite a lot of records for *E. cyanoura*, but more might be useful, depending on location.

**Comment:** Have quite a lot of records for *E. gunnii*, but more might be useful, depending on location.

**Comment:** In SA, occurs in deep water – not likely to be seen by divers

**Comment:** Only interested in records from locations other than GSV

**Comment:** Mainly interested in records from locations other than eastern GSV and northern KI

**Comment:** Very interested in all records from S.A.

**Comment:** Divers not likely to encounter warehou species, but included just in case.

Australian Swellshark / Draughtboard Shark	<i>Cephaloscyllium laticeps</i>
Gulf Catshark	<i>Asymbolus vincenti</i>
Common Thresher / Thresher Shark	<i>Alopias vulpinus</i>
Whiskery Shark	<i>Furgaleus macki</i>
Pencil Shark / Blacktip Tope	<i>Hypogaleus hyugaensis</i>
Bronze Whaler / Copper Shark / Cocktail shark	<i>Carcharhinus brachyurus</i>
Dusky Shark / Black Whaler	<i>Carcharhinus obscurus</i>
Blue Shark / Blue Whaler Shark	<i>Prionace glauca</i>
Smooth Hammerhead	<i>Sphyrna zygaena</i>
Shortfin Mako	<i>Isurus oxyrinchus</i>

**Comment:** Only interested in records if species identity is certain

**Comment:** For the two whaler sharks, already have a lot of fisheries data that includes locations, but any diver's observations might also be helpful, depending on location

Broadnose Sevengill Shark	<i>Notorynchus cepedianus</i>
Spiny Dogfish / White-spotted Dogfish / Piked Dogfish / White-spotted Spurdog	<i>Squalus acanthias</i>
Shortnose Spurdog / Spikey Dogfish / Piked Spurdog / Dogshark	<i>Squalus megalops</i>
Common Sawshark / Longnose Sawshark	<i>Pristiophorus cirratus</i>
Southern Sawshark / Shortnose Sawshark	<i>Pristiophorus nudipinnis</i>
Australian Angel Shark	<i>Squatina australis</i>
Elephant Shark / Elephant Fish	<i>Callorhynchus millii</i>
Tasmanian Numbfish	<i>Narcine tasmaniensis</i>
Magpie Fiddler Ray	<i>Trygonorrhina melaleuca</i>
Western Shovelnose Ray	<i>Aptychotrema vincentiana</i>
Melbourne Skate / Wedgenose Skate / Whitley's Skate	<i>Dipturus (Spiniraja) whitleyi</i>
Australian Thornback Skate	<i>Dipturus (Dentiraja) lemprieri</i>
Pygmy Thornback Skate	<i>Dipturus (Dentiraja) Sp. M</i>
White-spotted Skate	<i>Dipturus (Subgenus A) cerva</i>
Southern Round Skate	<i>Irolita waitii</i>
Peacock Skate	<i>Pavoraja (Raja) nitida</i>
Coastal Stingaree	<i>Urolophus orarius</i>
Banded Stingaree / Crossback Stingaree	<i>Urolophus cruciatus</i>
Greenback Stingaree	<i>Urolophus viridis</i>
Common Stingaree	<i>Trygonoptera testacea (= Urolophus testaceus)</i>
Masked Stingaree	<i>Trygonoptera personata</i>
Eastern Shovelnose Stingaree	<i>Trygonoptera sp. B (in Last and Stevens, 1994)</i>
Black Stingray	<i>Dasyatis thetidis</i>

**Comment:** Very interested in records for which species identification is certain

**Comment:** Very interested in records for which species identification is certain

**Comment:** WA species – only interested in verified records

**Comment:** Eastern Australian species – only interested in verified records