

1 **An annotated checklist of the chondrichthyans of South Africa**

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1 **Abstract**

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3 An annotated checklist of chondrichthyan fishes (sharks, batoids, and chimaeras)  
4 occurring in South African waters is presented. The checklist is the result of decades of  
5 research and on-going systematic revisions of the regional fauna. The chondrichthyan  
6 fauna of South Africa is one of the richest in the world with 191 species, comprising 50  
7 families and 103 genera. It consists of 30 families, 64 genera, and 111 species of sharks;  
8 17 families, 36 genera, and 72 species of batoids; and, 3 families, 5 genera, and 8 species  
9 of chimaeras. The most species-rich shark families are the whaler sharks Carcharhinidae  
10 with 20 species followed by the deepwater catsharks Pentanchidae with 13 species. The  
11 most species-rich batoid families are the hardnose stakes Rajidae with at least 21 species  
12 followed by the stingrays Dasyatidae with 13 species. This monograph represents the first  
13 detailed annotated checklist of chondrichthyans from South Africa in over 30 years.

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16 **Key words:** Biodiversity, Sharks, Batoids, Chimaeras, Southeastern Atlantic Ocean,  
17 Western Indian Ocean

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## 1 **Introduction**

2

3 South Africa has one of the most diverse and richest chondrichthyan faunas in the world.

4 The country ranks among the top five nations with 191 species (Table 1). It ranks behind

5 Australia (n = 329 species), Indonesia (n = 221), Japan (n = 212), and Brazil (n = 210), in

6 terms of species diversity (Table 1). These other countries, however, encompass a much

7 greater geographic area than the seas surrounding South Africa (Figure 1). Interestingly,

8 all five countries have two or more ocean current ecosystems bounding them. South

9 Africa has the cold Benguela Current on the west coast and the warm Agulhas Current on

10 the east coast. These two major currents have a profound influence on the diversity of

11 species on each coast, with the east coast being more diverse than the west coast (Ebert &

12 van Hees, 2015); Cape Point (18°42'E) is the approximate demarcation point between

13 these two large marine ecosystem currents (Figure 1). See Ebert & van Hees (2015) for

14 further discussion of the chondrichthyan diversity between these two currents.

15 South Africa has had an active chondrichthyan research community dating back

16 to Andrew Smith in the early 19<sup>th</sup> Century. Compagno (1999) provides a historical

17 review of chondrichthyan research in South Africa. Despite the rich historical tradition of

18 chondrichthyan research, there are no recent reviews of South Africa's unique and

19 diverse chondrichthyan fauna. Most publications on regional chondrichthyan diversity

20 usually refer to 'southern Africa' including Namibia and Mozambique (Compagno *et al.*,

21 1989; Compagno, 1999; Ebert & van Hees, 2015) or encompasses an expanded area of

22 the east African coast to Tanzania, Kenya, Madagascar, and some of the Western Indian

23 Ocean (WIO) islands (e.g. Bass *et al.*, 1973, 1975a, b, c, d, 1976; Wallace 1967a, b, c;

1 Smith & Heemstra, 1986a). Among the individual regional countries, South Africa has  
2 the highest diversity followed by Mozambique and Madagascar, with 122 and 118  
3 species, respectively (Table 1).

4 Globally, about 15% of all chondrichthyan species occur in South African waters  
5 (Table 2). In addition to the rich species composition, 13 of 14 orders, 50 of 66 families,  
6 and 103 of 215 genera are represented (Table 2). Shark families are represented by over  
7 80% of all families (30 of 37), while 65% (17 of 26) of batoid families, and all three  
8 chimaera families are represented in South African waters. Genera are also well  
9 represented with 60% (64 of 106) of the shark, 35% (36 of 103) of the batoid, and 83% (5  
10 of 6) of the chimaera genera being represented. The number of shark species represented  
11 is about 20% of the global total (111 of 544 species), while the number of batoid species  
12 is over 10% (72 of 665) and about 15% (8 of 52) for chimaera species (Table 2).

13 A diversity of families, genera, and species has been described from South Africa.  
14 At least four families, one shark and three batoid, have been described including the  
15 Whale Shark (family Rhincodontidae Smith, 1829), with three families still considered  
16 valid (Table 3). Additionally, 20 genera have been described of which 14 are still valid.  
17 This includes 12 shark and eight batoid genera, with eight and six genera, respectively,  
18 still valid.

19 The number of species described from South Africa is extensive with at least 119  
20 species of which 68 are still valid (Table 4). The number of sharks, batoids, and chimaera  
21 species described is 61, 53, and five, respectively. Those considered still valid include 31  
22 sharks, 32 batoid, and five chimaeras, although some of those currently considered junior  
23 synonyms might eventually prove to be valid after further taxonomic resolution. Of the

1 described species, 16 are missing types and five have had neotypes designated to date.  
2 Type specimens for 47 species are deposited at the South African Institute for Aquatic  
3 Biodiversity (SAIAB) and or the South African Museum (SAM). Gon and Skelton (1997)  
4 provide an excellent history and overview of South Africa museums, their fish collections  
5 and importance to ichthyological research. The diverse South Africa chondrichthyan  
6 fauna also has a high degree of endemics or near endemics (Ebert & van Hees, 2015).

7 This paper provides the first complete annotated checklist of all known  
8 chondrichthyan fishes occurring in South African waters. Given the increasing  
9 conservation and resource exploitation concerns about South Africa's unique  
10 biodiversity, the high degree of endemism, the significant taxonomic changes that have  
11 taken place at the species and higher taxa levels, and the lack of a current checklist of  
12 valid species, this paper provides a contemporary baseline of knowledge. This paper also  
13 aims to lay the groundwork for future research on the South Africa shark, batoid, and  
14 chimaera fauna.

15

## 16 **Materials & methods**

17

18 The checklist classification follows Ebert *et al.* (2013a), Last *et al.* (2016a), and Didier *et*  
19 *al.* (2012) for sharks, batoids, and chimaeras, respectively, with modifications to reflect  
20 recent changes at taxonomic levels above species. The batoids in particular have  
21 undergone major changes at the order, family and genera level, and therefore some  
22 species have been reassigned to new or different genera or synonymized with other  
23 known species (see Last *et al.*, 2016a). If the genus name has changed since the original

1 description of a species, the species authority name(s) are listed in parentheses. Species  
2 with an uncertain taxonomic status have ‘cf.’ (Latin for confer or compare with) inserted  
3 between the genus name and species name, indicating that the name may be subject to  
4 change in the future, and a species with ‘?’ next to the name indicates that we have not  
5 been able to confirm independently its occurrence in South African waters.

6 This checklist was compiled from existing regional species checklists, regional  
7 catalogues and guides, literature accounts, museum voucher specimens, personal  
8 communications from colleagues, and original data gathered by the authors. Due to South  
9 Africa’s long taxonomic history dating back nearly 200 years, we have tried to be as  
10 comprehensive as possible, but realize there are limitations with the species identity of  
11 some of the earlier references. The checklist builds upon and updates the previous  
12 southern African list of Ebert & van Hees (2015) by providing more details specific to  
13 South Africa’s species.

14 Following each order is the family, genus, and species scientific names followed  
15 by authorship and common name, and for genera and species, the type status and  
16 deposition of type material, and type locality if available. Each species account has a  
17 section with local synonymies for all South African taxa, including authors, followed by  
18 voucher specimens with institutional acronyms following Sabaj (2019) and institutional  
19 accession numbers. The first author to report a particular species from South Africa is  
20 underlined in the synonymy. A section follows covering the distribution within South  
21 Africa, to the nearest geographic location and in parenthesis an abbreviation for each  
22 province, i.e. Northern Cape Province (NC), Western Cape Province (WC), Eastern Cape  
23 Province (EC), and KwaZulu-Natal (KZN). A remarks section follows with information

1 on the taxonomic history, including nomenclature and systematics, if applicable, and the  
2 conservation status of each species. Every attempt was made to confirm the occurrence of  
3 all species reported from South African waters, including those no longer occurring or  
4 reported for the first time. Where the taxonomic status of a species is uncertain, this is  
5 documented in the remarks section. Finally, several species groups are currently under  
6 investigation and their taxonomic status may change in the future.

7 The last section of each species account has the current Red List Assessment  
8 status. The IUCN Red List of Threatened Species is widely recognized as the most  
9 comprehensive source of information on species extinction risk. Assessments consider all  
10 available information on a species' taxonomy, distribution, population status, habitat and  
11 ecology, major threats, use and trade, and conservation measures. The IUCN Red List  
12 Categories and Criteria utilize a series of thresholds to evaluate extinction risk based on  
13 population size reduction, geographic range, population size, or the probability of  
14 extinction (IUCN, 2012; IUCN Standards and Petitions Subcommittee, 2019).

15 The IUCN Red List applies the following extinction risk categories (definitions  
16 from Mace *et al.*, 2008; IUCN 2012): **Extinct (EX)**: 'there is no reasonable doubt that  
17 the last individual has died'; **Extinct in the Wild (EW)**: a species 'is known only to  
18 survive in cultivation, in captivity or as a naturalized population (or populations) well  
19 outside the past range'; **Critically Endangered (CR)**: a species 'is facing an extremely  
20 high risk of extinction in the wild'; **Endangered (EN)**: a species 'is facing a very high  
21 risk of extinction in the wild'; **Vulnerable (VU)**: a species 'is facing a high risk of  
22 extinction in the wild'; **Near Threatened (NT)**: a species 'not qualify for CR, EN or VU  
23 now, but is close to qualifying for or is likely to qualify for a threatened category in the

1 near future’; **Least Concern (LC)**: species do not qualify for CR, EN, VU, or NT; and,  
2 **Data Deficient (DD)**: species for which there is ‘inadequate information to make a  
3 direct, or indirect, assessment of its risk of extinction based on its distribution and/or  
4 population status’. A DD assessment is not a category of threat; but future research may  
5 find that a threatened category is appropriate (IUCN, 2012).

6 Each species is assessed using five Red List criteria (Mace *et al.*, 2008; IUCN,  
7 2012; IUCN Standards and Petitions Subcommittee, 2019): **Criterion A**: population size  
8 reduction; **Criterion B**: geographic range size; **Criterion C**: small population size and  
9 decline; **Criterion D**: very small or restricted population; and, **Criterion E**: quantitative  
10 analysis (for example, population viability analysis). To qualify for one of the three  
11 threatened categories (CR, EN, or VU), a species has to meet a quantitative threshold for  
12 that category in any of the five criteria listed above (A–E; IUCN, 2012). Only one of the  
13 five criteria needs to be met for a species to qualify for a particular category. If species  
14 meet multiple criteria, it is assigned the highest category for which it qualifies.

15 The Red List Categories provided here are the global assessments of each species.  
16 For endemic species, the category can be considered to represent their status at the global  
17 scale. For other species, the South African range comprises only part of their broader  
18 global range. Their Red List Category is therefore based on the entire global population  
19 and reflects status, threats, population trends, and management at the global level. This  
20 category may be very different to a species’ status within South African waters if a  
21 ‘national’ assessment was undertaken.

22 Categories were taken from the IUCN Red List of Threatened Species website  
23 (IUCN, 2020). The assessment publication year is provided alongside the Category. For



1 all assessments dated 2003–2009, a reassessment is pending. This is also the case for the  
2 Not Evaluated (NE) species; these species have not yet been assessed against the IUCN  
3 Red List Categories and Criteria. Reassessments will be available at  
4 (<http://www.iucnredlist.org>; IUCN, 2020).

5

6 **Annotated checklist**

7 **Order Hexanchiformes**

8 **Family Chlamydoselachidae Garman, 1884**

9 Frilled Sharks

10 **Genus *Chlamydoselachus* Garman, 1884**

11 Frilled Sharks

12 *Chlamydoselachus* Garman, 1884: 47, 52 (pp. 8, 13 in separate). Type species: *Chlamydoselachus*  
13 *anguineus* Garman, 1884, by monotypy.

14

15 ***Chlamydoselachus africana* Ebert & Compagno, 2009**

16 Southern African Frilled Shark

17 *Chlamydoselachus africana* Ebert & Compagno, 2009: 3, Figs. 1–4, 6. Holotype: SAM 31028. Type  
18 locality: Off Cunene River, Namibia, 19°59'S, 11°48'E, southeastern Atlantic.

19 **Local synonymy:** *Chlamydoselachus anguineus*: Smith, 1951: 87; Smith, 1965: 511, fig.  
20 3b; Smith, 1967a: 105, pls. 19–23; Bass *et al.*, 1975d: 16, fig. 9, pl. 6; Compagno, 1984a:  
21 14, fig. (in part); Bass, 1986: 47, fig. 3.1; Compagno *et al.*, 1989: 20, pl.; Compagno *et*  
22 *al.*, 1991: 51. *Chlamydoselachus* sp. A: Ebert, 1990: 217, figs. 3.1, 3.12 (in part);  
23 Compagno, 1999: 114; Compagno *et al.*, 2005: 66, fig., pl. 1. *Chlamydoselachus* sp. nov.:  
24 Compagno, 1999: 114. *Chlamydoselachus africana*: Barnett *et al.*, 2012: 967; Ebert,

1 2013: 33–34; Ebert *et al.*, 2013a: 64, fig., pl. 1; Ebert & Mostarda, 2013: 9; NPOA, 2013:  
2 37; Ebert, 2015: 36–40, fig. 34; da Silva *et al.*, 2015: 246; Ebert & Mostarda, 2015: 9,  
3 fig.; Ebert & van Hees, 2015: 144; Compagno, 2016: 1144; Weigmann, 2016: 887.

4 **South Africa voucher material:** None. All known specimens caught in South African  
5 waters were discarded.

6 **South Africa distribution:** South African range poorly-defined with records off the  
7 Cape Peninsula (WC) (R.W. Leslie, formerly, Department of Agriculture, Forestry and  
8 Fisheries [DAFF], Cape Town, South Africa, pers. comm.), the EC, and KZN (Ebert &  
9 Compagno, 2009).

10 **Remarks:** An apparent southern African endemic presently confirmed from southern  
11 Angola, Namibia, and South Africa. A single specimen was reported by Smith (1951) to  
12 have been caught off the Port Alfred Pier (EC), but the specimen was not retained. Since  
13 no specimens have been captured and examined since the description of *C. africana*, all  
14 South African literature records of frilled sharks are attributed to this species for now.  
15 Records of frilled sharks from seamounts off Mozambique should also be carefully  
16 examined (Ebert, 2013).

17 **Conservation status:** LC (2019).

18

19 **Family Hexanchidae Gray, 1851**

20 Cow Sharks

21 **Genus *Heptranchias* Rafinesque, 1810a**

22 Sharpnose Sevengill Sharks

1 *Heptranchias* Rafinesque, 1810a: 13. Type species: "*Squalus cinereus* Lacépède" by original designation,  
2 equals *S. cinereus* Gmelin in Linnaeus & Gmelin, 1789 and a junior synonym of *Squalus perlo* Bonnaterre,  
3 1788.

4

5 ***Heptranchias perlo* (Bonnaterre, 1788)**

6 Sharpnose Sevengill Shark

7

8 *Squalus perlo* Bonnaterre, 1788: 10. Holotype: unknown. Type locality: "La Méditerranée" [Mediterranean  
9 Sea].

10 **Local synonymy:** *Heptranchias cinereus*: Duméril, 1865: 437, pl. 4. ?*Heptranchis*  
11 *pectorosus*: Barnard, 1925: 21, fig. 1, pl. 1 (in part, teeth appear to be *H. perlo*).  
12 *Heptranchias perlo*: Smith, 1953: 511; Smith, 1965: 511; Bass *et al.*, 1975d: 11, fig. 7,  
13 pl. 4; Compagno, 1984a: 17, fig.; Bass *et al.*, 1986: 45, fig. 2.1; Compagno *et al.*, 1989:  
14 18, pl.; Ebert, 1990: 38, fig. 3.13; Compagno, *et al.*, 1991: 51; Compagno, 1999: 114;  
15 Heemstra & Heemstra, 2004: 52; Compagno *et al.*, 2005: 66, fig., pl. 1; Barnett *et al.*,  
16 2012: 968; Ebert, 2013: 39, fig. 30; Ebert *et al.*, 2013a: 68, fig., pl. 1; Ebert & Mostarda,  
17 2013: 9, fig.; NPOA, 2013: 36; Ebert & Dando, 2014: 77, fig.; da Silva *et al.*, 2015: 247;  
18 Ebert, 2015: 42, fig. 38; Ebert & Mostarda, 2015: 9, fig.; Ebert & van Hees, 2015: 144;  
19 Compagno, 2016: 1148; Weigmann, 2016: 887.

20 **South Africa voucher material:** SAIAB 6064, SAIAB 6246 [former ORI 453], SAIAB  
21 6255, SAIAB 189030, SAIAB 193573, SAIAB 201757. Ebert (1990) examined  
22 numerous South African specimens, many of which are now in the fish collection  
23 (uncatalogued) at SAM.

24 **South Africa distribution:** Cape Agulhas (WC) to the KZN border with Mozambique.

1 **Remarks:** The species is most common off KZN, but individuals have been taken during  
2 survey cruises at least as far west as Cape Agulhas (WC). Early records of this species  
3 may have been misidentified with its larger congener (*N. cepedianus*), which mostly  
4 occurs in Cape waters. Barnard (1925: fig. 1, pl. 1) illustrates a sevengill shark that  
5 appears to be *Notorynchus cepedianus*, but the associated teeth are more consistent with  
6 those of *H. perlo*.

7 **Conservation status:** NT (2003).

8

9 **Genus *Hexanchus* Rafinesque, 1810a**

10 Sixgill Sharks

11 *Hexanchus* Rafinesque, 1810a: 14. Type species: "*Squalus griseus* Lacépède", by original designation, a  
12 junior synonym of *Squalus griseus* Bonnaterre, 1788.

13

14 ***Hexanchus griseus* (Bonnaterre, 1788)**

15 Bluntnose Sixgill Shark

16 *Squalus griseus* Bonnaterre, 1788: 9. Types: unknown according to Boeseman *in* Hureau & Monod (1973).

17 Type locality: "La Méditerranée" [= Mediterranean Sea].

18 **Local synonymy:** *Hexanchus griseus*: Norman, 1922: 319; Barnard, 1925: 22; Barnard,  
19 1947: 9; Smith, 1949a: 38, fig. 1; Bass *et al.*, 1975d: 8, fig. 5, pl. 1; Compagno, 1984a:  
20 19, fig.; Bass *et al.*, 1986: 46, fig. 2.2; Compagno *et al.*, 1989: 18, pl.; Ebert, 1990: 45,  
21 fig. 3.13; Compagno, *et al.*, 1991: 53; Ebert, 1994: 213; Compagno, 1999: 114; Ebert,  
22 2002a: 359; Heemstra & Heemstra, 2004: 51, fig.; Compagno *et al.*, 2005: 67, fig., pl. 1;  
23 Barnett *et al.*, 2012: 967; Ebert, 2013: 42, fig. 34; Ebert *et al.*, 2013a: 69, fig., pl. 1; Ebert  
24 & Mostarda, 2013: 9, fig.; NPOA, 2013: 36; Ebert & Dando, 2014: 79, fig.; da Silva *et*

1 *al.*, 2015: 247; Ebert, 2015: 44, fig. 40; Ebert & Mostarda, 2015: 9, fig.; Ebert & van  
2 Hees, 2015: 144; Compagno, 2016: 1149; Weigmann, 2016: 887.

3 **South Africa voucher material:** SAIAB 6180 [former ORI 2598]. Ebert (1990, 1994,  
4 2002a) and Compagno *et al.* (1991) examined numerous South African specimens,  
5 several of which are now in the fish collection (uncatalogued) at SAM.

6 **South Africa distribution:** Entire coast from the Orange River (NC) to northern KZN  
7 border with Mozambique.

8 **Remarks:** Perhaps the most common species of large deep-sea shark, *H. griseus* also  
9 occurs close inshore, including Langebaan Lagoon, Saldanha Bay, and St. Helena Bay  
10 (WC).

11 **Conservation status:** NT (2009).

12

### 13 *Hexanchus nakamurai* Teng, 1962

14 Bigeyed Sixgill Shark

15 *Hexanchus griseus nakamurai* Teng, 1962: 30, fig. 5. Holotype: TFRI 2515. Type locality: Keelung,  
16 Taiwan [lost]. Neotype: NMMB-P 15835, 1565 mm TL) mature male. Type locality: Cheng-gong, Taiwan,  
17 22°58'N, 120°08'E.

18 **Local synonymy:** *Hexanchus vitulus*: Bass *et al.*, 1975d: 9; Bass *et al.*, 1986: 46, fig. 2.3;  
19 Compagno, 1984a: 20, fig.; Compagno *et al.*, 1989: 18, pl.; Heemstra & Heemstra, 2004:  
20 52. *Hexanchus nakamurai*: Ebert, 1990: 54, fig. 3.13; Compagno, 1999: 114; Compagno  
21 *et al.*, 2005: 67, fig., pl. 1; Barnett *et al.*, 2012: 968; Ebert, 2013: 41, fig. 33; Ebert *et al.*,  
22 2013a: 68, fig., pl. 1; Ebert *et al.*, 2013b: 20; Ebert & Mostarda, 2013: 9, fig.; Ebert &  
23 van Hees, 2015: 144; Weigmann, 2016: 888.

24 **South Africa voucher material:** SAIAB 6897, SAIAB 99393 [former ORI 2822],

1 SAIAB 189029.

2 **South Africa distribution:** Known from three specimens, all off KZN; an adult male  
3 about 155 cm TL, another specimen of about the same size caught in the shark nets off  
4 Park Rynie (Bass *et al.*, 1975d), and the head only of an individual from off Pumula.

5 **Remarks:** KZN may be the southern extent of the range of this species in the WIO, as it  
6 appears to be more common off Madagascar, Tanzania, and Kenya. Also, this species is  
7 frequently misidentified with smaller (< 150 cm TL) *H. griseus*, which are very common  
8 below 200 m in South African waters. The KZN specimens were originally referred to as  
9 *H. vitulus* (Bass *et al.*, 1975d), but subsequent taxonomic research concluded these are  
10 referable to *H. nakamurai* (Ebert, 1990). Recently, *H. vitulus* was resurrected as a valid  
11 species (Daly-Engel *et al.*, 2019), but it appears to be restricted to the North Atlantic.  
12 Any new records of *H. nakamurai* from South Africa should be examined.

13 **Conservation status:** DD (2009).

14

## 15 **Genus *Notorynchus* Ayres, 1855**

16 Broadnose Sevengill Sharks

17 *Notorynchus* Ayres, 1855: 77. Type species: *Notorynchus maculatus* Ayres, 1855, by original designation,  
18 a junior synonym of *Squalus cepedianus* Péron, 1807.

19

## 20 ***Notorynchus cepedianus* (Péron, 1807)**

21 Broadnose Sevengill Shark

22 *Squalus cepedianus* Péron, 1807: 337. Holotype: unknown. Type locality: Adventure Bay, Tasmania,  
23 Australia.

1 **Local synonymy:** *Heptanchus indicus*: Bleeker, 1860b: 58 (listed Cape seas). *Notidanus*  
2 *indicus*: Günther, 1870: 399; Gilchrist, 1902: 165. *Heptranchias haswelli*: Ogilby, 1897:  
3 62 (original description based on jaws possibly from Cape of Good Hope, but Ogilby  
4 questioned the accuracy of this location). *Heptranchias indicus*: Thompson, 1914: 134.  
5 *Heptranchias pectorosus*: Barnard, 1925: 21, fig. 1, pl. 1; Smith, 1949a: 39. *Notorynchus*  
6 *platycephalus*: Fowler, 1925: 188. *Heptranchias cepedianus*: Smith, 1949a: 38, fig. 2.  
7 *Notorynchus pectorosus*: Smith [M.M.], 1975: 10. *Notorynchus cepedianus*: Bass *et al.*,  
8 1975d: 14, fig. 8; Compagno, 1984a: 22, fig.; Bass *et al.*, 1986: 47, fig. 2.4; Compagno *et*  
9 *al.*, 1989: 18, pl.; Ebert, 1990: 60, fig. 3.13; Ebert, 1991a: 455; Ebert, 1991b: 565; Ebert,  
10 1996: 93; Compagno, 1999: 114; Ebert, 2002b: 517; Heemstra & Heemstra, 2004: 52,  
11 fig.; Compagno *et al.*, 2005: 68, fig., pl. 1; Barnett *et al.*, 2012: 967; Ebert *et al.*, 2013a:  
12 70, fig., pl. 1; Mann, 2013: 86; NPOA, 2013: 36; da Silva *et al.*, 2015: 247; Ebert & van  
13 Hees, 2015: 144; Compagno, 2016: 1151; Weigmann, 2016: 888.

14 **South Africa voucher material:** SAIAB 1503, SAIAB 1504, SAIAB 4679, SAIAB  
15 7653, SAIAB 10691, SAIAB 12831, SAIAB 19378, SAIAB 44245, SAIAB 46924.

16 **South Africa distribution:** The Orange River (NC) to East London (EC).

17 **Remarks:** This species is most common along the south coast and WC, but seasonally  
18 may range to at least East London (EC).

19 **Conservation status:** DD (2009).

20

21 **Order Echinorhiniformes**

22 **Family Echinorhinidae Gill, 1862**

23 **Bramble Sharks**

1 **Genus *Echinorhinus* Blainville, 1816**

2 Bramble Sharks

3 *Echinorhinus* Blainville, 1816: (8), 121 (genus *Squalus* Linnaeus, 1758). Type species: "*Spinosus*" =  
4 *Squalus spinosus* Gmelin, in Linnaeus & Gmelin, 1789, by monotypy.

5

6 ***Echinorhinus brucus* Bonnaterre, 1788**

7 Bramble Shark

8 *Squalus brucus* Bonnaterre, 1788: 11. Holotype: lost. Type locality: "L'Ocean" (North Atlantic).

9 **Local synonymy:** *Echinorhinus obesus*: Smith, 1849: pl. 1 (original description, Cape of  
10 Good Hope, South Africa). *Echinorhinus spinosus*: Duméril, 1865: 459; Gilchrist, 1902:  
11 166; Thompson, 1914: 151; Barnard, 1925: 46, fig. 6, pl. 2; Barnard, 1947: 16, fig. 3, pl.  
12 3. *Echinorhinus brucus*: Smith, 1949a: 56, fig. 44; Smith, 1965: 56, fig. 44; Bass *et al.*,  
13 1976: 51, fig. 36, pl. 11; Compagno, 1984a: 26, fig.; Bass & Compagno, 1986: 63, fig.  
14 6.1; Compagno *et al.*, 1989: 20, pl.; Compagno *et al.*, 1991: 54; Compagno, 1999: 114;  
15 Compagno *et al.*, 2005: 70, fig., pl. 5; Ebert, 2013: 49, fig. 46; Ebert *et al.*, 2013a: 72,  
16 fig., pl. 2; Ebert & Mostarda, 2013: 18, fig.; Ebert, 2015: 52, fig. 50; Ebert & Mostarda,  
17 2015: 16, fig.; Ebert & van Hees, 2015: 144; Compagno, 2016: 1152; Weigmann, 2016:  
18 888.

19 **South Africa voucher material:** SAIAB 6254 [former ORI 936].

20 **South Africa distribution:** The west coast from the Orange River (NC) to KZN border  
21 with Mozambique.

22 **Remarks:** Although this is considered a deep-sea species it is caught occasionally in  
23 relatively shallow water, less than 50 m deep, and occasionally off beaches by rock and  
24 surf anglers along the west coast during the winter (Compagno *et al.*, 1989).



1 **Conservation status:** DD (2003).

2

3 **Order Squaliformes**

4 **Family Squalidae Blainville, 1816**

5 Dogfishes

6 **Genus *Cirrhigaleus* Tanaka, 1912**

7 Roughskin Dogfishes

8

9 *Cirrhigaleus* Tanaka, 1912: 151. Type species: *Cirrhigaleus barbifer* Tanaka, 1912. Type by original  
10 designation (also monotypic).

11

12 ***Cirrhigaleus asper* (Merrett, 1973)**

13 Roughskin Dogfish

14 *Squalus asper* Merrett, 1973: 94, fig. 1, pl. 1. Holotype: BMNH 1972.10.10.1. Type locality: Off Aldabra,  
15 Western Indian Ocean, 09°27'S, 46°23.5'E, depth 219 m.

16 **Local synonymy:** *Squalus asper*: Bass et al., 1976: 18, fig. 12, pl. 4; Compagno, 1984a:  
17 114, fig.; Bass et al., 1986: 61, fig. 5.25; Compagno et al., 1989: 22, pl. *Cirrhigaleus*  
18 *asper*: Compagno, 1999: 114; Heemstra & Heemstra, 2004: 54; Compagno et al., 2005:  
19 72, fig., pl. 2; Ebert, 2013: 54, fig. 52; Ebert et al., 2013a: 74, fig., pl. 3; Ebert &  
20 Mostarda, 2013: 19, fig.; NPOA, 2013: 38; da Silva et al., 2015: 248; Ebert, 2015: 56,  
21 fig. 52; Ebert & van Hees, 2015: 144; Weigmann, 2016: 902.

22 **South Africa voucher material:** SAIAB 6037, SAIAB 6038, SAIAB 6040 [former ORI  
23 2786], SAIAB 6092, SAIAB 25423, SAIAB 27027, SAIAB 31890, SAIAB 186460.  
24 SAIAB 188839.

1 **South Africa distribution:** Port Alfred (EC) to the KZN border with Mozambique.

2 **Remarks:** This species does not appear to be as common as several *Squalus* species in

3 South Africa, but that maybe due to misidentification with other dogfish species.

4 **Conservation status:** DD (2006).

5

## 6 **Genus *Squalus* Linnaeus, 1758**

7 Dogfishes

8 *Squalus* Linnaeus, 1758: 233. Type species: *Squalus acanthias* Linnaeus, 1758, by subsequent designation

9 of Gill, 1862: 39.

10

## 11 ***Squalus acanthias* Linnaeus, 1758**

12 Spiny Dogfish

13 *Squalus acanthias* Linnaeus, 1758: 233. Syntypes: NRM 85 (1 or 2). Possible Syntypes: ZMUU Linn. Coll.

14 159 (1), ZMUU, Linn. Coll. 160 (1, dry). Type locality: Mediterranean Sea and northeastern Atlantic

15 [original: “Habitat in Oceano Europaeo”].

16 **Local synonymy:** *Squalus vulgaris*: Bleeker, 1860b: 57; Thompson, 1914: 149. *Squalus*

17 *acanthias*: Gilchrist, 1922b: 48; Barnard, 1925: 36; Smith, 1949a: 60, fig. 64; Smith,

18 1965: 60, fig. 64; Bass *et al.*, 1976: 13, figs. 6a, 8e–g, 9, pl. 1; Compagno, 1984a: 111,

19 fig.; Bass *et al.*, 1986: 61, fig. 5.24; Compagno *et al.*, 1989: 22, pl.; Compagno *et al.*,

20 1991: 66; Ebert *et al.*, 1992: 606; Compagno, 1999: 114; Heemstra & Heemstra, 2004:

21 54; Compagno *et al.*, 2005: 73, fig., pl. 3; Ebert *et al.*, 2013a: 83, fig., pl. 4; NPOA, 2013:

22 39; da Silva *et al.*, 2015: 248; Ebert, 2015: 58, fig. 60; Ebert & Mostarda, 2015: 17, fig.;

23 Ebert & van Hees, 2015: 144; Compagno, 2016: 1159; Weigmann, 2016: 902. *Squalus*

24 *acanthias africana*: Myagkov & Kondyurin, 1986: 5 (described from “Wolffish Bay”, but

1 co-ordinates [28°S, 17°E] indicate Port Nolloth, South Africa rather than Walvis Bay,  
2 Namibia).

3 **South Africa voucher material:** SAIAB 4195, SAIAB 6034, SAIAB 6035, SAIAB  
4 7829, SAIAB 8014, SAIAB 21873, SAIAB 21874, SAIAB 21875, SAIAB 21876,  
5 SAIAB 21877, SAIAB 21878, SAIAB 25312, SAIAB 25313, SAIAB 25314, SAIAB  
6 25315, SAIAB 25316, SAIAB 25317, SAIAB 25318, SAIAB 25319, SAIAB 25320,  
7 SAIAB 25325, SAIAB 25326, SAIAB 25327, SAIAB 25706, SAIAB 25719, SAIAB  
8 25918, SAIAB 26300, SAIAB 26301, SAIAB 26302, SAIAB 27168, SAIAB 40864,  
9 SAIAB 48524, SAIAB 63974, SAIAB 201576.

10 **South Africa distribution:** Port Nolloth to Cape Point (WC) and possibly to Port Alfred,  
11 (EC).

12 **Remarks:** Off the west coast of South Africa this is an offshore species of the outer shelf  
13 and upper slope that appears to occupy a relative narrow range, mostly between 150–400  
14 m depth and from Port Nolloth to Cape Point (Compagno *et al.*, 1991). Records of it  
15 along the south coast extending it eastwards to Port Alfred and possibly KZN should be  
16 carefully examined to confirm its identification as it may be mistaken for other *Squalus*  
17 species.

18 **Conservation status:** VU (2016).

19

20 ***Squalus acutipinnis* Regan, 1908a**

21 Bluntnose Dogfish

22 *Squalus acutipinnis* Regan, 1908a: 248, pl. 37. Lectotype: BMNH 1905.6.8.8 designated by Krefft (1968).

23 Type locality: KwaZulu-Natal, South Africa, Western Indian Ocean.

24 **Local synonymy:** *Squalus blainvillei*: Gilchrist, 1902: 165; Thompson, 1914: 149; Bass

1 *et al.*, 1976 (in part): 15; Muñoz-Chápuli and Ramos 1989 (in part): 1; Ebert *et al.*, 2013  
2 (in part): 85, fig., pl. 4. *Squalus acutipinnis*: Regan, 1908a: 248, pl. 37; Regan, 1921: 412;  
3 Barnard, 1925 (in part): 48; Barnard, 1947: 20, fig. 4, pl. 3; Krefft, 1968 (in part): 34, pl.  
4 III A (cited, description, designation of lectotype; South Africa); Bass *et al.*, 1986: 62;  
5 Myagkov & Kondyurin 1986: 8; Compagno *et al.*, 1991: 68; Ebert *et al.*, 2010: 22; Ebert,  
6 2015: 57, fig. 55; Ebert & Mostarda, 2015: 18, fig.; Ebert & Van Hees, 2015: 144; Viana  
7 & de Carvalho, 2016: 628, fig. 1; Veríssimo *et al.*, 2017 (in part): 414; Viana *et al.*, 2018:  
8 25. *Squalus fernandinus*: Gilchrist, 1922b (in part): 48; Von Bonde, 1923 (in part): 5;  
9 Fowler, 1941 (in part): 260–262 (description; South Africa, Mauritius); Smith, 1949a (in  
10 part): 60; Smith, 1965 (in part): 60. *Squalus acanthias*: Smith, 1949a: 60, fig. 64; Smith,  
11 1965 (in part): 60, fig. 64. *Squalus megalops*: Bass *et al.*, 1976 (in part): 10–11, fig. 11;  
12 pl. 3; Compagno, 1984a: 118, fig.; Bass *et al.*, 1986 (in part): 62, fig. 5.26; Compagno *et*  
13 *al.*, 1989 (in part): 22, pl.; Compagno *et al.*, 1991: 68; Ebert *et al.*, 1992: 606; Heemstra  
14 & Heemstra, 2004: 53; Compagno *et al.*, 2005: 76, fig., pl. 3; Ebert, 2013 (in part): 53;  
15 Ebert *et al.*, 2013a (in part): 91; NPOA, 2013: 39; Compagno, 2016: 1157, 1162;  
16 Weigmann, 2016: 904. *Squalus mitsukurii*: Bass *et al.*, 1986 (in part): 61. *Squalus*  
17 *probatovi*: Myagkov & Kondyurin, 1986: 567, figs. 1c, g, i.; Gubanov *et al.*, 1986: 172;  
18 Muñoz-Chápuli & Ramos, 1989: 19; Weigmann, 2016: 904 (synonym of *S. megalops*);  
19 Viana *et al.*, 2017: 25; Viana *et al.*, 2018: 5, 26. *Squalus cf. megalops*: Compagno, 1999:  
20 144; Naylor *et al.*, 2012a (in part): 58, 148, fig. 42; Naylor *et al.*, 2012b (in part): fig. 2.7.  
21 *Squalus acutipinna*: da Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 144 [amended  
22 spelling to *S. acutipinnis*, 2015: 435]. *Squalus blainville*: Veríssimo *et al.*, 2017 (in part):  
23 414. *Squalus cf. blainvillei* Viana *et al.*, 2017: 25 (cited only; Southern Africa); Viana *et*

1 *al.*, 2018: 5, 26. *Squalus margaretsmithae*: Viana *et al.* 2018: 13, figs. 6c–d, 8–14; Viana  
2 & de Carvalho, 2018: 628.

3 **South Africa voucher material:** *Squalus acutipinnis*: Lectotype: BMNH 1905.6.8.8.  
4 Paralectotypes: (3 specimens) BMNH 1859.5.7.68, BMNH 1900.11.6.14. *Squalus*  
5 *margaretsmithae*: Holotype: SAIAB 25389. Paratypes: SAIAB 21856, SAIAB 21858,  
6 SAIAB 21859, SAIAB 21939, SAIAB 25362, SAIAB 25366, SAIAB 25377. Non-types:  
7 (voucher specimens from Viana & de Carvalho, 2016) SAIAB 7829, SAIAB 10443,  
8 SAIAB 19863, SAIAB 21933, SAIAB 25360, SAIAB 25361, SAIAB 25369, SAIAB  
9 25390, SAIAB 25394, SAIAB 26639, SAIAB 34576, SAM 12986, SAM 12996, SAM  
10 28638, SAM 32550, SAM 32894, SAM 34217, ZMB 19151.

11 **South Africa distribution:** The Orange River (WC) to KZN border with Mozambique.

12 **Remarks:** The South African “short-nose” *Squalus* species-complex (*S. acutipinna*, *S. cf.*  
13 *blainville*, *S. mahia*, *S. margaretsmithae*, and *Squalus probatovi*) is in need of extensive  
14 taxonomic revision to clarify and identify regional species. The occurrence of five co-  
15 occurring “short-nose” species seems unlikely given molecular (Veríssimo *et al.*, 2017)  
16 and ecological data (Ebert *et al.*, 1992; unpubl. data), which does not support this number  
17 of species. Therefore, until further detailed data are available *S. margaretsmithae* and  
18 *Squalus probatovi* are considered junior synonyms of *S. acutipinna*.

19 **Conservation status:** NT (2020).

20

21 ***Squalus bassi* Viana, de Carvalho, & Ebert, 2017**

22 Long-snouted African Dogfish

23 *Squalus bassi* Viana, de Carvalho, & Ebert, 2017: 4, figs. 1–6. Holotype: SAM 33476. Type locality: near  
24 Agulhas Bank, Western Cape Province, South Africa, 36.21°S, 20.04°E.

1 **Local synonymy:** *Acanthias blainvillei*: Bleeker, 1860b: 57; Gilchrist, 1902 (in part):  
2 166; Thompson, 1914 (in part): 149. *Squalus acutipinnis*: Thompson, 1914 (in part): 152;  
3 Barnard, 1925 (in part): 48. *Squalus fernandinus*: Gilchrist, 1922b (in part): 48; Smith,  
4 1949a (in part): 60. *Squalus blainvillei*: Bass *et al.*, 1976 (in part): 15, fig. 10; Ebert *et al.*,  
5 2002: 355. *Squalus blainville*: Chen *et al.*, 1979: 39; Weigmann, 2016: 902. *Squalus*  
6 *mitsukurii*: Compagno, 1984a: 121, fig.; Bass *et al.*, 1986: 62, fig. 5.27; Compagno *et al.*,  
7 1989: 22, pl.; Heemstra & Heemstra, 2004: 53; Compagno *et al.*, 2005: 77, fig., pl. 3;  
8 Ebert, 2013: 57, fig. 62; Ebert *et al.*, 2013a: 92, fig., pl. 4; NPOA, 2013: 39; Compagno,  
9 2016 (in part): 1157, fig. 4; Veríssimo *et al.*, 2017: 414. *Squalus cf. mitsukurii*:  
10 Compagno *et al.*, 1991 (in part): 44; Ebert *et al.*, 1992: 606; Compagno, 1999: 114;  
11 Naylor *et al.*, 2012a: 57; Pickering & Caira, 2012: 107; da Silva *et al.*, 2015: 248; Ebert,  
12 2015: 58, fig. 59; Ebert & Mostarda, 2015: 19, fig.; Ebert & Van Hees, 2015: 144.  
13 *Squalus bassi*: Viana *et al.*, 2017: 4, figs. 1–6; Viana & de Carvalho, 2018: 629.

14 **South Africa voucher material:** Holotype: SAM 33476. Paratypes: SAIAB 25923,  
15 SAIAB 25924, SAIAB 26419, SAIAB 26420, SAIAB 26421, SAIAB 53305, SAM  
16 32611, SAM 33150, SAM 33153, SAM 33154, SAM 34004, SAM 38042, SAM 41904  
17 (formerly SAM 33476). Non-types: (voucher specimens from Viana *et al.*, 2017) SAIAB  
18 21872, SAIAB 25339, SAIAB 25340, SAIAB 25341, SAIAB 25342, SAIAB 26321,  
19 SAIAB 26322, SAIAB 26418, SAIAB 203801 (formerly SAIAB 186461), SAIAB  
20 188839, SAM 33155, SAM 33197, SAM 33283, SAM 36412, SAM 38283, SAM 39883,  
21 SAM 39885.

22 **South Africa distribution:** The Orange River (NC) to KZN, but most common along the  
23 west and south coasts of South Africa.

1 **Remarks:** *Squalus mitsukurii* appears to be restricted to the northeastern Pacific while *S.*  
2 *bassi*, previously referred to as this species, is restricted to the southern African region.

3 **Conservation status:** LC (2020).

4

5 ***Squalus blainville* (Risso, 1827)**

6 Longnose Dogfish

7 *Acanthias blainville* Risso, 1827: 133, fig., 6, pl. 3. Type: No known types. Type locality: Nice, France,  
8 northwestern Mediterranean Sea.

9 **Local synonymy:** *Squalus blainvillei*: Bass et al., 1976: 15, fig. 10; Muñoz-Chápuli &  
10 Ramos 1989a: 6; Ebert et al., 2002: 355; Viana et al., 2016: 4; Viana et al., 2018: 19;  
11 Viana & de Carvalho, 2018: 626. *Squalus cf. blainville*: Compagno, 1999: 114; Ebert,  
12 2015: 57, fig. 58; Ebert & Mostarda, 2015: 18, fig.; Ebert & van Hees, 2015: 144; Viana  
13 et al., 2016: 4; Viana et al., 2017: 19b; Viana & de Carvalho, 2018: 626. *Squalus*  
14 *blainville*: Ebert, 2013: 57, fig. 62; Ebert et al., 2013a: 85, fig., pl. 4; Ebert & Mostarda,  
15 2013: 22, fig.; Compagno, 2016: 1161; Weigmann, 2016: 902; Veríssimo et al., 2017:  
16 414.

17 **South Africa voucher material:** SAIAB 6015 [former ORI 2449], SAIAB 6020 [former  
18 ORI 1528], SAIAB 6021 [former ORI 1535], SAIAB 6022 [former ORI 1386], SAIAB  
19 6023 [former ORI 2450], SAIAB 99114, SAIAB 99115, SAIAB 99116, SAIAB 99117,  
20 SAIAB 99118, SAIAB 99119, SAIAB 99120, SAIAB 99121, SAIAB 99122, SAIAB  
21 99123, SAIAB 99124, SAIAB 99125, SAIAB 99126, SAIAB 99127, SAIAB 99128,  
22 SAIAB 99129, SAIAB 99130, SAIAB 99130, SAIAB 99131, SAIAB 99132, SAIAB  
23 99133, SAIAB 99134, SAIAB 99135, SAIAB 99136, SAIAB 99137, SAIAB 99138.

24 **South Africa distribution:** Uncertain due to confusion with other “short-nose” *Squalus*

1 species, but may range from WC to KZN.

2 **Remarks:** The status of *S. blainville* and its relationship to other South African *Squalus*  
3 species is currently under investigation to clarify the taxonomic status of this species.

4 **Conservation status:** DD (2009).

5

6 ***Squalus mahia* Viana, Lisher, & de Carvalho, 2017**

7 Malagasy Skinny Spurdog

8 *Squalus mahia* Viana, Lisher, & de Carvalho, 2017: [5], figs 1–6a–b, 7. Holotype: SAIAB 189449. Type  
9 locality: Off northern Madagascar, Western Indian Ocean, 15°24.14'S, 46°1.51'E.

10 **Local synonymy:** *Squalus megalops*: Bass et al. 1976 (in part): 10; Heemstra &  
11 Heemstra 2004: 53 (description; southern Africa); Ebert 2013 (in part): 53; Weigmann  
12 2016 (in part): 904. *Squalus mahia*: Viana & de Carvalho, 2018: 628; Viana, Lisher, & de  
13 Carvalho, 2018: 1787.

14 **South Africa voucher material: Paratypes:** SAIAB 25370, SAIAB 186419, SAIAB  
15 186461.

16 **South Africa Distribution:** Algoa Bay (EC) to KZN.

17 **Remarks:** The status of this species and its distribution along with other southern African  
18 “short-nose” *Squalus* species is need of taxonomic revisions.

19 **Conservation status:** NE.

20

21 **Family Centrophoridae Bleeker, 1859**

22 Gulper Sharks

23 **Genus *Centrophorus* Müller & Henle, 1837a**

24 Gulper Sharks



1 *Centrophorus* Müller & Henle, 1837a: 115. Type species: *Squalus granulosus* Bloch & Schneider, 1801, by  
2 monotypy.

3 **Remarks:** *Centrophorus* species from South Africa should be re-examined and re-  
4 identified to clarify the species occurring here. Presently, at least four, possibly five,  
5 species occur in South African waters.

6

7 ***Centrophorus granulosus* (Bloch & Schneider, 1801)**

8 Gulper Shark

9 *Squalus granulosus* Bloch & Schneider, 1801: 135. Holotype: ZMB, location unknown. Type locality: no  
10 locality. Neotype: AMNH 78263. Type locality: Puerto Santa Cruz de Tenerife, Canary Islands, Spain;  
11 neotype designation by White *et al.* (2013).

12 **Local synonymy:** *Centrophorus lusitanicus*: Bass *et al.*, 1976: 32, fig. 23; Compagno,  
13 1984a: 39, fig.; Bass *et al.*, 1986: 50, fig. 5.2; Compagno *et al.*, 1989: 24, pl.; Compagno,  
14 1999: 114; Compagno *et al.*, 2005: 85, fig., pl. 4; Ebert, 2013: 68, fig. 80; Ebert *et al.*,  
15 2013a: 103, fig., pl. 6; Ebert & Mostarda, 2013: 25, fig.; Compagno, 2016: 1171;  
16 Weigmann, 2016: 890. *Centrophorus granulosus*: Bass *et al.*, 1986: 50, fig. 5.1;  
17 Compagno *et al.*, 1991: 51; Ebert *et al.*, 1992: 603; Compagno, 1999: 114; Compagno *et*  
18 *al.*, 2005: 82, fig., pl. 4; Ebert, 2013: 70, fig. 88; Ebert *et al.*, 2013a: 102, fig., pl. 6; Ebert  
19 & Mostarda, 2013: 25, fig.; White *et al.*, 2013: 43, figs. 3–9, 15a; Ebert, 2015: 63, fig. 67;  
20 Ebert & Mostarda, 2015: 20, fig.; Ebert & van Hees, 2015: 144; Compagno, 2016: 1170;  
21 Weigmann, 2016: 889. *Centrophorus niaukang*: Compagno, 1999: 114; Ebert *et al.*,  
22 2013a: 104, fig., pl. 6.

23 **South Africa voucher material:** SAM 36184, SAM uncatalogued. Specimens in South  
24 African museum collection should be re-examined to confirm their identification.

1 **South Africa distribution:** Occurs from off the Orange River (NC) to the KZN border  
2 with Mozambique.

3 **Remarks:** Prior to White *et al.* (2013, 2017) clarifying the status of *C. granulosus*, most  
4 large South African *Centrophorus* species were referred to as *C. lusitanicus* (Bass *et al.*,  
5 1976, Compagno *et al.*, 1989). However, White *et al.* (2017) determined that *C.*  
6 *lusitanicus* is a junior synonym of *C. granulosus*.

7 **Conservation status:** NE.

8

9 ***Centrophorus cf. harrisoni***

10 Dumb Gulper Shark

11 **Local synonymy:** *Centrophorus cf. harrisoni*: Compagno, 1999: 114; Ebert & van Hees,  
12 2015: 144

13 **South Africa voucher material:** None.

14 **South Africa distribution:** Occurrence in South African waters uncertain.

15 **Remarks:** Records of this species are based on a longnosed gulper shark known from a  
16 few specimens off KZN. *Centrophorus lesliei* recently described from the eastern  
17 Atlantic, Mozambique Channel and Madagascar maybe this species (White *et al.*, 2017).

18 **Conservation status:** NE.

19

20 ***Centrophorus moluccensis* Bleeker, 1860a**

21 Smallfin Gulper Shark

22 *Centrophorus moluccensis* Bleeker, 1860a: 3. Holotype: RMNH 7415. Type locality: Ambon Island,  
23 Molucca Islands, Indonesia, southwestern Pacific.

1 **Local synonymy:** *Atractophorus armatus*: Gilchrist, 1922b: 48, fig. 3, pl. 7 (original  
2 description, Natal, South Africa); Smith, 1949a: 57, fig. 47; Smith, 1965: 57, fig. 47.  
3 *Centrophorus armatus*: Smith, 1967b: 124, pl. 28. *Centrophorus scalpratus*: Bass *et al.*,  
4 1976: 29, fig. 21; Bass *et al.*, 1986: 51, fig. 5.3. *Centrophorus moluccensis*: Compagno,  
5 1984a: 40, fig.; Compagno *et al.*, 1989: 24, pl.; Compagno, 1999: 114; Compagno *et al.*,  
6 2005: 85, fig., pl. 4; Ebert, 2013: 72, fig. 90; Ebert *et al.*, 2013a: 104, fig., pl. 6; Ebert &  
7 Mostarda, 2013: 25, fig.; Ebert & van Hees, 2015: 144; Weigmann, 2016: 890.

8 **South Africa voucher material:** SAIAB 6006 [former ORI 2673], SAIAB 6009 [former  
9 ORI 1020].

10 **South Africa distribution:** Off Durban (KZN) and north to the border with  
11 Mozambique.

12 **Remarks:** First described as a new species (*Atractophorus armatus*) by Gilchrist  
13 (1922b), it has gone by several different scientific names in South Africa, but all are  
14 referable to *C. moluccensis*. This species was very common off northern KZN and  
15 southern Mozambique (Bass *et al.*, 1976).

16 **Conservation status:** DD (2013).

17

## 18 ***Centrophorus squamosus* (Bonnaterre, 1788)**

19 Leafscale Gulper Shark

20 *Squalus squamosus* Bonnaterre, 1788: 12. Holotype: MNHN A-7829 (head only). Type locality: no locality  
21 stated (probably eastern North Atlantic).

22 **Local synonymy:** *Centroscymnus fuscus*: Gilchrist & von Bonde, 1924: 2 (original  
23 description, off St. Helena Bay, 32°S, 16°E, west coast of South Africa, holotype lost);  
24 Barnard, 1925: 51; Smith 1949a: 58; Smith, 1965: 58. *Lepidorhinus squamosus*: Smith,

1 1967b: 119; Penrith, 1969: 64. *Encheiridiodon hendersoni* Smith, 1967b: 129, pls. 24–27  
2 (original description, Algoa Bay, South Africa, holotype SAIAB [formerly RUSI] 663).  
3 *Centrophorus squamosus*: Hulley, 1971: 265, fig. 1; Bass *et al.*, 1976: 28, fig. 19;  
4 Compagno, 1984a: 43, fig.; Bass *et al.*, 1986: 51, fig. 5.4; Compagno *et al.*, 1989: 24, pl.;  
5 Compagno *et al.*, 1991: 55; Ebert *et al.*, 1992: 602; Compagno, 1999: 114; Compagno *et*  
6 *al.*, 2005: 86, fig., pl. 4; Ebert, 2013: 68, fig. 77; Ebert *et al.*, 2013a: 105, fig., pl. 6; Ebert  
7 & Mostarda, 2013: 27, fig.; Ebert, 2015: 64, fig. 68; Ebert & Mostarda, 2015: 21, fig.;  
8 Ebert & van Hees, 2015: 144; Compagno, 2016: 1173; Weigmann, 2016: 890.

9 **South Africa voucher material:** SAIAB 663 [Holotype: *Encheiridiodon hendersoni*].  
10 SAIAB 26282, SAIAB 99355, SAIAB 99356, SAIAB 99357, SAIAB 99358, SAIAB  
11 99359, SAIAB 99361, SAIAB 99362, SAIAB 99363, SAIAB 99364, SAM 24029, SAM  
12 17161.

13 **South Africa distribution:** The Orange River (NC) to the northern KZN border with  
14 Mozambique.

15 **Remarks:** Smith (1967b), based on a dead specimen collected by the spearfisher in 3–4  
16 m depth, described a new genus and species of gulper shark *Encheiridiodon hendersoni*,  
17 but the specimen is actually a *C. squamosus*. Hulley (1971) tentatively synonymized  
18 *Centroscymnus fuscus* with this species, but details of its original description suggest it  
19 may have been *C. coelolepis*. Unfortunately, the holotype of *C. fuscus* is lost.

20 **Conservation status:** VU (2003).

21

## 22 ***Centrophorus uyato* (Rafinesque, 1815)**

23 Little Gulper Shark

24 *Squalus uyato* Rafinesque, 1815: 13, fig. 2, pl. 14. Type: no known types. Type locality: off Sicily, Italy,

1 Mediterranean Sea.

2 **Local synonymy:** *Centrophorus uyato*: Bass et al., 1976: 31, fig. 22; Compagno *et al.*,  
3 1989: 24, pl.; Weigmann, 2016: 891. *Centrophorus* cf. *uyato*: Ebert, 2015: 63, fig. 66;  
4 Ebert & van Hees, 2015: 144.

5 **South Africa voucher material:** SAIAB 25920, SAIAB 25922. Specimens in South  
6 African museum collections identified as *C. granulosus* and other unidentified species  
7 should be re-examined to confirm their identification as *C. uyato*.

8 **South Africa distribution:** Off the west coast from the Orange River (NC) and most  
9 likely off the EC and KZN.

10 **Remarks:** In South African waters, both *C. granulosus* and *C. uyato* occur, but  
11 historically have been misidentified. Compagno *et al.* (1991) listed *C. uyato* in synonymy  
12 with *C. granulosus*, but there were in fact two species involved: a large species now  
13 known to be *C. granulosus* and a small species now referred to as *C. uyato*. In addition, a  
14 third species, *C. lesliei*, recently described from West Africa and the Mozambique  
15 Channel, is likely to eventually be found in South African waters. The species name *C.*  
16 *uyato* has been problematic since it appears to have been based on a species of *Squalus*  
17 from the Mediterranean Sea. However, only one species of *Centrophorus* occurs in the  
18 Mediterranean Sea and it has incorrectly been referred to as *C. granulosus*. A review of  
19 the genus is presently ongoing to clarify the status of this small species of *Centrophorus*  
20 (D.A. Ebert, W.T. White, unpubl. data).

21 **Conservation status:** DD (2003).

22

23 **Genus *Deania* Jordon & Snyder, 1902**

24 Birdbeaked Dogfishes

1 *Deania* Jordan & Snyder, 1902: 80. Type species: *Deania eglantina* Jordan & Snyder, 1902, by monotypy,  
2 a junior synonym of *Acanthidium calceum* Lowe, 1839.

3 **Remarks:** Three species of *Deania* (*D. calceus*, *D. profundorum*, *D. quadrispinosa*) have  
4 long been reported to occur in South African waters, however a fourth species (*D.*  
5 *hystricosa*) was listed by Compagno (1999), but without explanation. Compagno (2016)  
6 and Weigmann (2016) subsequently listed this species as occurring off South Africa, but  
7 we are unaware of any verified specimens attributed to this species. Furthermore, the  
8 validity of *D. hystricosa* and the nomenclature for the genus is currently under  
9 investigation (S. Tanaka, Tokai University, pers. comm.).

10

11 ***Deania calceus* (Lowe, 1839)**

12 Birdbeak Dogfish

13 *Acanthidium calceus* Lowe, 1839: 92. Holotype (unique): Not BMNH 1861.5.19.33. Type locality:  
14 Madeira, North Atlantic.

15 **Local synonymy:** *Deania calcea*: Penrith, 1969: 62; Bass *et al.*, 1976: 36, fig. 28;  
16 Compagno, 1984: 65, fig.; Compagno *et al.*, 1989: 26, pl.; Compagno *et al.*, 1991: 59;  
17 Ebert *et al.*, 1992: 604; Compagno, 1999: 114; Compagno *et al.*, 2005: 87, pl. 5; Ebert,  
18 2013: 75, fig. 94; Ebert *et al.*, 2013a: 108, fig., pl. 7; Ebert & Mostarda, 2013: 28, fig.;  
19 Ebert, 2015: 66, fig. 72; Ebert & Mostarda, 2015: 22, fig.; Ebert & van Hees, 2015: 144;  
20 Compagno, 2016: 1174; Weigmann, 2016: 891. *Deania calceus*: Bass *et al.*, 1986: 53,  
21 fig. 5.8.

22 **South Africa voucher material:** SAIAB 646, SAIAB 647, SAIAB 648, SAIAB 649,  
23 SAIAB 13000, SAIAB 25718, SAIAB 26267, SAIAB 26268, SAIAB 26269, SAIAB  
24 26270, SAIAB 27169, SAIAB 54847, SAM 25556.

1 **South Africa distribution:** The Orange River (NC) to at least Algoa Bay (EC).  
2 **Remarks:** This species is quite common off the west coast between the Orange River to  
3 Cape Point, but is likely to be widespread off the South African east coast, including  
4 KZN. The species often occurs in considerable numbers, indicating it schools or  
5 aggregates (Compagno *et al.*, 1991). It is also frequently caught in association with large  
6 numbers of *D. profundorum* (D.A. Ebert, pers. obs.). During a series of surveys along the  
7 Madagascar Ridge it was also found to be common and frequently encountered in  
8 association with *D. profundorum* (D.A. Ebert, unpubl. data).  
9 **Conservation status:** LC (2003).

10

11 ***Deania hystricosa* (Garman, 1906)**

12 *Acanthidium hystricosum* Garman, 1906: 206. Holotype (unique): MCZ 1130-S [ex Owston #7784]  
13 (missing). Type locality: Sagami Bay, Japan.

14 **Local synonymy:** *Deania hystricosum*: Compagno, 1999: 114. *Deania hystricosa*:  
15 Compagno *et al.*, 2005: 88, pl. 5; Ebert *et al.*, 2013a: 108, fig., pl. 7; Compagno, 2016:  
16 1175; Weigmann, 2016: 891.

17 **South Africa voucher material:** None.

18 **South Africa distribution:** Possibly off the west coast (NC & WC), but the occurrence  
19 in South African waters is uncertain.

20 **Remarks:** Compagno (1999) listed this species as occurring in southern African waters,  
21 while Compagno *et al.* (2005) reported it occurs off the west coast of South Africa.  
22 However, the occurrence of this species in South African waters requires confirmation  
23 since no specimens are currently available for examination.

24 **Conservation status:** DD (2009).

1

2 ***Deania profundorum* (Smith & Radcliffe, 1912)**

3 Arrowhead Dogfish

4 *Nasisqualus profundorum* Smith & Radcliffe in Smith 1912: 681, pl. 53, fig. 3. Type locality: between  
5 Leyte and Mindanao Islands, Philippines.

6 **Local synonymy:** *Acanthidium natalense*: Gilchrist, 1922: 49, fig. 2, pl. 7 (off Illovo  
7 River, KwaZulu-Natal, South Africa); Barnard, 1925: 51, fig. 1, pl. 3; Smith, 1937: 170  
8 (of uncertain validity). *Deania eglantina*: Smith, 1949a: 58, fig. 49 (in part = *D.*  
9 *quadrispinosa*); Smith, 1965: 58, fig. 49. *Deania natalensis*: Penrith, 1969: 62. *Deania*  
10 *profundorum*: Bass *et al.*, 1976: fig. 30; Compagno, 1984a: 67, fig.; Bass *et al.*, 1986: 54,  
11 fig. 5.9; Compagno *et al.*, 1989: 26, pl.; Compagno *et al.*, 1991: 59; Ebert *et al.*, 1992:  
12 604; Compagno, 1999: 114; Compagno *et al.*, 2005: 89, pl. 5; Ebert, 2013: 75, fig. 92;  
13 Ebert *et al.*, 2013a: 109, fig., pl. 7; Ebert & Mostarda, 2013: 28, fig.; Ebert, 2015: 66, fig.  
14 70; Ebert & Mostarda, 2015: 22, fig.; Ebert & van Hees, 2015: 144; Compagno, 2016:  
15 1175; Weigmann, 2016: 891. *Deania natalense*: Bigelow & Schroeder, 1948b: 106  
16 (Natal, South Africa).

17 **South Africa voucher material:** *Acanthidium natalense*: Syntypes: SAIAB [former  
18 RUSI] 2 (2 specimens). *Deania profundorum* [non-types]: SAIAB 26274, SAIAB 26275,  
19 SAIAB 26276, SAIAB 26277, SAIAB 26308, SAIAB 26335, SAIAB 26336, SAIAB  
20 26436.

21 **South Africa distribution:** Off the west coast (NC) and east coast (KZN). This species  
22 likely occurs off the entire South African coast along the upper continental slope.

23 **Remarks:** The most common *Deania* species after *D. calceus*; both species are  
24 frequently caught mixed in large aggregations during research survey cruises.



1 **Conservation status:** LC (2009).

2

3 ***Deania quadrispinosa* (McCulloch, 1915)**

4 Longsnout Dogfish

5 *Acanthidium quadrispinosum* McCulloch, 1915: 100, pl. 14, figs. 5–8. Type: ???. Type locality: Great  
6 Australian Bight, southern Australia.

7 **Local synonymy:** *Acanthidium quadrispinosum*: Smith, 1937: 168, fig. 1. *Deania*  
8 *eglantina*: Smith, 1949a: 58, fig. 49. (in part = *D. profundorum*); Smith, 1965: 58, fig. 49.  
9 *Deania quadrispinosa*: Penrith, 1969: 62; Ebert, 2013: 75, fig. 93; Ebert *et al.*, 2013a:  
10 109, fig., pl. 7; Ebert & Mostarda, 2013: 28, fig.; Ebert, 2015: 66, fig. 71; Ebert &  
11 Mostarda, 2015: 22, fig.; Compagno, 2016: 1177; Weigmann, 2016: 891. *Deania*  
12 *quadrispinosum*: Bass *et al.*, 1976: 37, fig. 29 (caption as *D. quadrispinosa*); Compagno,  
13 1984a: 68, fig.; Compagno *et al.*, 1989: 26, pl.; Compagno *et al.*, 1991: 60; Compagno,  
14 1999: 114; Compagno *et al.*, 2005: 89, pl. 5; Ebert & van Hees, 2015: 144. *Deania*  
15 *quadrispinosus*: Bass *et al.*, 1986: 54, fig. 5.10.

16 **South Africa voucher material:** SAM uncatalogued, collected during research survey  
17 and reported by Compagno *et al.* (1991).

18 **South Africa distribution:** A few scattered records from off Cape Town (WC), Algoa  
19 Bay (EC), and northern KZN.

20 **Remarks:** Records from South Africa are few; this species appears to be more common  
21 off Mozambique and Madagascar.

22 **Conservation status:** NT (2009).

23

24 **Family Etmopteridae Fowler, 1934a**

1 **Lanternsharks**

2 **Genus *Centroscyllium* Müller & Henle, 1841**

3 Combtooth Lanternsharks

4 *Centroscyllium* Müller & Henle, 1841: 191. Type species: *Spinax fabricii* Reinhardt, 1825, by monotypy.

5

6 ***Centroscyllium fabricii* (Reinhardt, 1825)**

7 Black Dogfish

8 *Spinax fabricii* Reinhardt, 1825: 3. Syntypes: ZMUC P 07106 [ex 185] (1 stuffed). Type locality:

9 Julianehåb, Greenland, western North Atlantic.

10 **Local synonymy:** *Centroscyllium fabricii*: Compagno, 1984a: 47, fig.; Compagno *et al.*,

11 1989: 28, pl.; Compagno *et al.*, 1991: 56; Ebert *et al.*, 1992: 603; Compagno, 1999: 114;

12 Ebert *et al.*, 2013a: 122, fig., pl. 8; NPOA, 2013: 37; Ebert, 2015: 71, fig. 77; Ebert &

13 Mostarda, 2015: 24, fig.; Ebert & van Hees, 2015: 144; Compagno, 2016: 1185;

14 Weigmann, 2016: 893.

15 **South Africa voucher material:** SAIAB 25708, SAIAB 25736, SAIAB 26338, SAIAB

16 26339, SAIAB 26340, SAIAB 26424, SAIAB 26425, SAIAB 26426, SAIAB 26427,

17 SAIAB 26428, SAIAB 26429, SAIAB 27183, SAIAB 30309.

18 **South Africa distribution:** From the Orange River (NC) to southwest of Cape Agulhas

19 (WC).

20 **Remarks:** Compagno (1984a) reported the first South African record of this species from

21 off the southwestern Cape. Previous southern African records were from off Namibia

22 (Bass *et al.*, 1976). This is one of the most common species of deep-sea lanternsharks off

23 the South African west coast.

24 **Conservation status:** LC (2009).

1

2 **Genus *Etmopterus* Rafinesque, 1810a**

3 Lanternsharks

4 *Etmopterus* Rafinesque, 1810a: 14. Type species: *Etmopterus aculeatus* Rafinesque, 1810a, by monotypy.

5

6 ***Etmopterus alphus* Ebert, Straube, Leslie, & Weigmann, 2016**

7 Whitecheek Lanternshark

8 *Etmopterus alphus* Ebert, Straube, Leslie, & Weigmann, 2016: 2, figs. 1–6. Holotype: SAM MB-F37564.

9 Type locality: east of the Zambezi River, central Mozambique, 18°14'S, 37°31'E.

10 **Local synonymy:** *Etmopterus alphus*: Ebert *et al.*, 2016: 2, figs. 1–6.

11 **South Africa voucher material:** SAIAB 190352.

12 **South Africa distribution:** New record. Recently recorded off Durban (KZN).

13 **Remarks:** This recently described species was known only from off Mozambique, but is  
14 reported here for the first time in South African waters. It also occurs off Madagascar and  
15 on the Madagascar Ridge.

16 **Conservation status:** LC (2019).

17

18 ***Etmopterus bigelowi* Shirai & Tachikawa, 1993**

19 Blurred Lanternshark

20 *Etmopterus bigelowi* Shirai & Tachikawa, 1993: 487, figs. 1, 2, 5. Holotype: HUMZ 100176. Type locality:

21 off Angola, 11°37'S, 05°13'W, southeastern Atlantic.

22 **Local synonymy:** *Etmopterus bigelowi*: Compagno, 1999: 114; Compagno *et al.*, 2005:

23 95, fig., pl. 8; Ebert, 2013: 83, fig. 104; Ebert *et al.*, 2013a: 125, fig., pl. 10; Ebert &

1 Mostarda, 2015: 30, fig.; Ebert, 2015: 75, fig. 81; Ebert & Mostarda, 2015: 27, fig.; Ebert  
2 & van Hees, 2015: 144; Compagno, 2016: 1186; Weigmann, 2016: 894.

3 **South Africa voucher material:** FAKU 46064, FSFL-S 427, HUMZ 74378. Several  
4 uncatalogued SAM specimens from off Mossel Bay (WC).

5 **South Africa distribution:** Scattered records from off the west coast (NC) to KZN.

6 **Remarks:** The occurrence of this species off South Africa is patchy, but this may be due  
7 to misidentification with *E. pusillus*.

8 **Conservation status:** LC (2006).

9

10 ***Etmopterus compagno* Fricke & Koch, 1990**

11 Brown Lanternshark

12 *Etmopterus compagno* Fricke & Koch, 1990: 2, figs. 1–2. Holotype: SMNS 8999. Type locality: off Cape  
13 Town, Western Cape Province, South Africa, 34°41'S, 18°37'E, southeastern Atlantic.

14 **Local synonymy:** *Etmopterus spinax*: Gilchrist, 1922b: 49; Barnard, 1925; Barnard,  
15 1947: 20, fig. 5, pl. 3; Smith, 1949a: 59, fig. 51; Smith, 1965: 59, fig. 51; Compagno,  
16 1984: 85, fig. *Spinax spinax*: Norman, 1935: 37. *Etmopterus gracilispinis*: Karrer, 1973:  
17 199; Shcherbachev *et al.*, 1978: 186; Compagno, 1984: 76, fig.; Compagno *et al.*, 1989:  
18 28, pl.; Compagno, 2016: 1187. *Etmopterus* sp.: Bass *et al.*, 1986: 57, fig. 5.16.  
19 *Etmopterus compagno*: Fricke & Koch, 1990: 2, figs. 1–2; Compagno *et al.*, 1991: 61;  
20 Ebert *et al.*, 1992: 605; Compagno, 1999: 114; Straube *et al.*, 2011a: 146; Ebert, 2013:  
21 84, fig. 114; Ebert *et al.*, 2013a: 128, fig., pl. 10; Ebert & Mostarda, 2013: 34, fig.; Ebert,  
22 2015: 76, fig. 87; Ebert & Mostarda, 2015: 28, fig.; Ebert & van Hees, 2015: 144;  
23 Straube *et al.*, 2015: 11; Weigmann, 2016: 894. *Etmopterus unicolor*: Compagno *et al.*,  
24 2005: 108, fig., pl. 9.

1 **South Africa voucher material:** SAIAB 25737, SAIAB 26271, SAIAB 27586, SAIAB  
2 27587, SAIAB 27588, SAIAB 27589, SAIAB 27590, SAIAB 27591, SAIAB 27592,  
3 SAIAB 27593, SAIAB 27594, SAIAB 27595, SAIAB 27596, SAIAB 27597, SAIAB  
4 27598, SAIAB 61706, SAIAB 87361, SAIAB 186423, SAIAB 186458, SAIAB 189169,  
5 SAIAB 193038.

6 **South Africa distribution:** The Orange River (NC) to at least Port Alfred (EC) and  
7 possibly KZN.

8 **Remarks:** *Etmopterus compagnoi* has a convoluted taxonomic history with most early  
9 literature accounts referring to it as either *E. spinax* or *E. gracilispinis*. However, Straube  
10 *et al.* (2015) found this species to be distinct from these other lanternsharks. *Etmopterus*  
11 *compagnoi* was thought to be a South African endemic (Compagno *et al.*, 1989; Straube  
12 *et al.*, 2015). However, it appears to have a wider geographic range occurring from  
13 southern Namibia to Cape Point (WC), where it is quite common, and east to off Port  
14 Alfred (EC) (Ebert, 2015). It also occurs off southern Mozambique and the northern  
15 Madagascar Plateau. However, specimens from outside the WC and EC should be closely  
16 examined to confirm their identification.

17 **Conservation status:** LC (2019).

18

19 ***Etmopterus granulosus* (Günther, 1880)**

20 Southern Lanternshark

21 *Spinax granulosus* Günther, 1880: 19, fig. C, pl. 2. Holotype: BMNH 1879.5.14.460. Type locality:  
22 Southwestern coast of South America, *Challenger* station 305.

23 **Local synonymy:** *Etmopterus granulosus*: Gilchrist, 1922b: 49; Barnard, 1925: 49, fig. 8,  
24 pl. 2; Smith, 1949a: 58, fig. 50; Bigelow & Schroeder, 1957: 55; Smith, 1965: 58, fig. 50;

1 Compagno, 1984a: 77, fig.; Bass *et al.*, 1986: 55 (Cape Point); Compagno *et al.*, 1989:  
2 28, pl.; Straube *et al.*, 2011a: 138; Ebert, 2013: 84, fig. 117; Ebert *et al.*, 2013a: 132, fig.,  
3 pl. 9; Ebert & Mostada, 2013: 31, fig.; Ebert, 2015: 78, fig. 91; Ebert & Mostada, 2015:  
4 25, fig.; Ebert & van Hees, 2015: 144; Straube *et al.*, 2015: 11; Weigmann, 2016: 895.  
5 *Spinax granulosis*: Norman, 1935: 37 (SW of Cape Town, 34°08'S, 17°33'E).  
6 *Etmopterus cf. granulosis*: Compagno *et al.*, 1991: 63; Ebert *et al.*, 1992: 605;  
7 Compagno, 1999: 114. *Etmopterus baxteri*: Compagno *et al.*, 2005: 94, pl. 8; Compagno,  
8 2016: 1185.

9 **South Africa voucher material:** SAIAB 25710, SAIAB 26341, SAIAB 26342, SAIAB  
10 26343, SAIAB 26344, SAIAB 26345, SAIAB 26346, SAIAB 26347, SAIAB 26348,  
11 SAIAB 26349, SAIAB 26350, SAIAB 26351, SAIAB 26352, SAIAB 26353, SAIAB  
12 26354, SAIAB 26355, SAIAB 26356, SAIAB 26357, SAIAB 26358, SAIAB 26359,  
13 SAIAB 26360, SAIAB 26361, SAIAB 26362, SAIAB 26363, SAIAB 26364, SAIAB  
14 26365, SAIAB 26366, SAIAB 26367, SAIAB 26368, SAIAB 26369, SAIAB 26370,  
15 SAIAB 26371, SAIAB 26372, SAIAB 26373, SAIAB 26374, SAIAB 26375, SAIAB  
16 26430, SAIAB 26431, SAIAB 26432, SAIAB 26433, SAIAB 26434, SAIAB 26435,  
17 SAIAB 27170, SAIAB 27171, SAIAB 27172, SAIAB 27173, SAIAB 27174, SAIAB  
18 27175, SAIAB 27176, SAIAB 27177, SAIAB 27178, SAIAB 27179, SAIAB 27180,  
19 SAIAB 27181, SAIAB 27182, SAIAB 27184, SAIAB 27185, SAIAB 27186, SAIAB  
20 30297, SAIAB 81676, SAIAB 186424, SAIAB 186462.

21 **South Africa distribution:** West coast from Cape Columbine (WC) to about Algoa Bay  
22 (EC).

23 **Remarks:** The taxonomic history of this species off South Africa, like most members of

1 this genus, has been rather convoluted, although Straube *et al.* (2015) clarified the name  
2 status of this species. *Etmopterus granulosus* is one of the most common lanternsharks  
3 off the South African west coast. It is wide-ranging throughout the southern Hemisphere  
4 at higher latitudes.

5 **Conservation status:** LC (2018).

6

7 ***Etmopterus pusillus* (Lowe, 1839)**

8 Smooth Lanternshark

9 *Acanthidium pusillum* Lowe, 1839: 91. Syntypes: BMNH 1855.11.29.27 (2 specimens). Type locality:  
10 Madeira, eastern Atlantic.

11 **Local synonymy:** *Etmopterus pusillus*: Bass *et al.*, 1976: 23, fig. 16 (KZN); Compagno,  
12 1984: 82, fig.; Bass *et al.*, 1986: 56, fig. 5.14; Compagno *et al.*, 1989: 30, pl.; Compagno  
13 *et al.*, 1991: 64; Ebert *et al.*, 1992: 605; Compagno, 1999: 115; Compagno *et al.*, 2005:  
14 107, fig., pl. 7; Ebert, 2013: 83, fig. 105; Ebert *et al.*, 2013a: 137, fig., pl. 9; Ebert &  
15 Mostada, 2013: 30, fig.; Ebert, 2015: 80, fig. 93; Ebert & Mostada, 2015: 27, fig.; Ebert  
16 & van Hees, 2015: 144; Compagno, 2016: 1188; Weigmann, 2016: 897.

17 **South Africa voucher material:** SAIAB 6182 [former ORI 1104], SAIAB 6183 [former  
18 ORI 1477], SAIAB 6184 [former ORI 2866], SAIAB 6185 [former ORI 2867], SAIAB  
19 6186 [former ORI 2868], SAIAB 6187 [former ORI 2869].

20 **South Africa distribution:** West coast from the Orange River (NC) to Cape Point (WC)  
21 and off KZN, but not yet confirmed from the EC.

22 **Remarks:** Wide-spread, but patchy off South Africa, this species is often misidentified  
23 with *E. bigelowi*.

24 **Conservation status:** LC (2009).

1

2 ***Etmopterus sculptus* Ebert, Compagno, & De Vries, 2011**

3 Sculpted Lanternshark

4 *Etmopterus sculptus* Ebert, Compagno, & De Vries, 2011: 279, figs. 1–2. Holotype: SAM 37569. Type  
5 locality: 33°22.9'S, 17°29.1'E, off Cape Town, South Africa.

6 **Local synonymy:** *Etmopterus lucifer*: Gilchrist, 1922b: 49; Barnard, 1925: 50; Smith,  
7 1949a: 59, fig. 52; Bigelow & Schroeder, 1957: 56; Smith, 1965: 59, fig. 52; Bass *et al.*,  
8 1976: 25, figs. 17, 18c; Compagno, 1984: 79, fig.; Compagno *et al.*, 2005: 102, fig., pl. 8.  
9 *Spinax lucifer*: Norman, 1935: 37. *Etmopterus brachyurus*: Bass *et al.*, 1986: 55, fig.  
10 5.11; Compagno *et al.*, 1989: 30, pl.; Compagno *et al.*, 1991: 61. *Etmopterus* cf.  
11 *brachyurus*: Ebert *et al.*, 1992: 604; Compagno, 1999: 114; Compagno, 2016: 1186, fig.  
12 *Etmopterus sculptus*: Ebert, 2013: 83, fig. 108; Ebert *et al.*, 2013a: 139, fig., pl. 10; Ebert  
13 & Mostada, 2013: 33, fig.; Ebert, 2015: 82, fig. 95; Ebert & Mostada, 2015: 29, fig.;  
14 Ebert & van Hees, 2015: 144; Weigmann, 2016: 897.

15 **South Africa voucher material:** Holotype: SAM 37569. Paratypes: SAM 33011, 37570  
16 (2 specimens), 37571 (2 specimens). Non-types: SAIAB 6191, SAIAB 6195, SAIAB  
17 2430, SAIAB 2431, SAIAB 2432, SAIAB 2588, SAIAB 21930, SAIAB 21931, SAIAB  
18 25308, SAIAB 25309, SAIAB 25735, SAIAB 26256, SAIAB 26258, SAIAB 26259,  
19 SAIAB 26265, SAM F41924-3, SAM F41924-4.

20 **South Africa distribution:** Occurs along the entire South African coast from the Orange  
21 River (NC) to KZN border with Mozambique.

22 **Remarks:** *Etmopterus sculptus* was long misidentified in the South African literature  
23 either as *E. brachyurus* or *E. lucifer*, but both of these species occur in the Western  
24 Pacific. *Etmopterus sculptus* is one of the most common lanternshark species found in



1 South African waters (after *E. granulatus*).

2 **Conservation status:** LC (2019).

3

4 ***Etmopterus sentosus* Bass, D'Aubrey, & Kistnasamy, 1976**

5 Thorny Lanternshark

6 *Etmopterus sentosus* Bass, D'Aubrey, & Kistnasamy, 1976: 22, figs. 15, 18a. Holotype: SAIAB 6201 [ex  
7 ORI 2369]. Type locality: near Bazaruto Island, southern Mozambique.

8 **Local synonymy:** *Etmopterus sentosus*: Bass et al., 1976: 22, figs. 15, 18a; Compagno,  
9 1984a: 64, fig.; Bass et al., 1986: 57, fig. 5.15; Compagno et al., 1989: 30, pl.;  
10 Compagno, 1999: 115; Compagno et al., 2005: 107, fig., pl. 8.; Ebert, 2013: 82, fig. 101;  
11 Ebert et al., 2013a: 139, fig., pl. 11; Ebert & van Hees, 2015: 144; Weigmann, 2016: 897.

12 **South Africa voucher material:** SAIAB 6200 [former ORI 1391].

13 **South Africa distribution:** Occurs from off Durban to northern KZN.

14 **Remarks:** This distinctive lanternshark species appears to be common where it occurs,  
15 especially off southern Mozambique.

16 **Conservation status:** LC (2019).

17

18 ***Etmopterus viator* Straube, 2011**

19 Traveler Lanternshark

20 *Etmopterus viator* Straube, in Straube et al., 2011: 143, figs. 2a, b, 3, 5. Holotype: MNHN 2008-1899.  
21 Type locality: Kerguelen Plateau, 49°39'29"S, 72°45'00"E, Indian Ocean.

22 **Local synonymy:** *Etmopterus viator*; Straube, 2011a: 143, figs. 2a, b, 3, 5 (distribution  
23 including South Africa); Ebert, 2013: 84, fig. 116; Ebert et al., 2013a: 142, fig., pl. 10;  
24 Ebert & Mostada, 2013: 34, fig.; Ebert, 2015: 75, fig. 86; Ebert & van Hees, 2015: 144;

1 Weigmann, 2016: 898.

2 **South Africa voucher material:** None.

3 **South Africa distribution:** Straube (2011) mentions that this species was recorded from  
4 three locations in South African waters, but provides no location information or cites any  
5 specimens in museum collection.

6 **Remarks:** This appears to be a wide-ranging species around seamounts and islands in the  
7 Southern Ocean.

8 **Conservation status:** LC (2018).

9

10 **Family Somniosidae Jordan, 1888**

11 Sleeper Sharks

12 **Genus *Centroscymnus* Barbosa du Bocage & de Brito Capello, 1864**

13 Portuguese Sharks

14 *Centroscymnus* Barbosa du Bocage & de Brito Capello, 1864: 263. Type species: *Centroscymnus*  
15 *coelolepis* Barbosa du Bocage & de Brito Capello, 1864 by monotypy.

16

17 ***Centroscymnus coelolepis* Barbosa du Bocage & de Brito Capello, 1864**

18 Portuguese Shark

19 *Centroscymnus coelolepis* Barbosa du Bocage & de Brito Capello, 1864: 263, fig. 4. Holotype: Museu  
20 Bocage, Lisbon, MB T113, destroyed in fire. Type locality: off Portugal, northeastern Atlantic.

21 **Local synonymy:** ?*Centroscymnus fuscus*: Gilchrist & von Bonde, 1924: 2 (off St.  
22 Helena Bay, South Africa, SE Atlantic); Barnard, 1925: 51; Smith, 1949a: 58; Smith,  
23 1965: 58. *Centrophorus squamosus*: Hulley, 1971: 267, fig. 1; Bass *et al.*, 1976: 28 (in  
24 part, for synonymy of *C. fuscus* with this species). *Centroscymnus coelolepis*: Compagno,

1 1984a: 55, fig.; Compagno *et al.*, 1989: 32, pl.; Compagno *et al.*, 1991: 56; Ebert *et al.*,  
2 1992: 603; Compagno, 1999: 115; Compagno *et al.*, 2005: 112, fig., pl. 10; Ebert, 2013:  
3 90, fig. 127; Ebert *et al.*, 2013a: 151, fig., pl. 13; Ebert & Mostada, 2013: 35, fig.; Ebert,  
4 2015: 87, fig. 104; Ebert & Mostada, 2015: 31, fig.; Ebert & van Hees, 2015: 144; White  
5 *et al.*, 2015: 214; Weigmann *et al.*, 2016b: 642; Compagno, 2016: 1189; Weigmann,  
6 2016: 899.

7 **South Africa voucher material:** SAIAB 25727, SAIAB 26272, SAIAB 26273, SAIAB  
8 26417, SAIAB 27601.

9 **South Africa distribution:** Common off the west coast from the Orange River (NC) to  
10 off Cape Agulhas (WC), but also extending to the EC. It has not been found off KZN, but  
11 likely occurs there since it has been caught off southern Mozambique and is common on  
12 the Walters Shoal (Weigmann *et al.*, 2016).

13 **Remarks:** *Centroscymnus fuscus* was described from a specimen taken off St. Helena  
14 Bay and was recognized as a valid species until Hulley (1971) and Bass *et al.* (1976)  
15 synonymized it with *Centrophorus squamosus*. However, details of the original  
16 description by Gilchrist and von Bonde (1924) suggest that *C. fuscus* may be a synonym  
17 of *C. coelolepis* rather than *C. squamosus*. *Centroscymnus coelolepis* is common in the  
18 area off St. Helena Bay where the type specimen was caught, while *C. squamosus* is  
19 relatively uncommon in that area. Unfortunately, *C. fuscus* was never illustrated and the  
20 holotype is lost.

21 **Conservation status:** NT (2003).

22

23 ***Centroscymnus owstonii* Garman, 1906**

1 Roughskin Dogfish

2 *Centroscymnus owstonii* Garman, 1906: 207. Holotype (unique): MCZ 1037-S [ex Owston #7693]. Type  
3 locality: Sagami Bay, Japan.

4 **Local synonymy:** *Centroscymnus owstonii*: Compagno, 1999: 115; Compagno *et al.*,  
5 2005: 112, fig., pl. 10; Ebert, 2013: 89, fig. 126; Ebert *et al.*, 2013a: 151, fig., pl. 13;  
6 Ebert & Mostada, 2013: 37, fig.; Ebert, 2015: 89, fig. 106; Ebert & Mostada, 2015: 33,  
7 fig.; Ebert & van Hees, 2015: 144; White *et al.*, 2015: 214; Compagno, 2016: 1195;  
8 Weigmann, 2016b: 899; Weigmann *et al.*, 2016: 641.

9 **South Africa voucher material:** Uncatalogued specimens at SAM.

10 **South Africa distribution:** Mossel Bay (WC) but likely more wide ranging.

11 **Remarks:** Most previous records of this species from South Africa were  
12 misidentifications with either *C. coelolepis* or *C. crepidater*, but a few specimens of this  
13 species were caught in very deep water off Mossel Bay. This record, along with several  
14 specimens caught east of South Africa on the Walters Shoal and Madagascar Ridge,  
15 confirm the widespread distribution of this species.

16 **Conservation status:** VU (2018).

17

18 **Genus *Centroselachus* Garman, 1913**

19 Velvet Dogfish

20 *Centroselachus* Garman, 1913: 206. Type species: *Centrophorus crepidater* Barbosa du Bocage & de Brito  
21 Capello, 1864 by monotypy.

22

23 ***Centroselachus crepidater* (Barbosa du Bocage & de Brito Capello, 1864)**

24 Longnose Velvet Dogfish

1 ***Centrophorus crepidater*** Barbosa du Bocage & de Brito Capello, 1864: 262, fig. 3. Holotype (unique): MB  
2 t.112(49) [destroyed in fire in 1978]. Denticles from holotype in MCZ 89511. Type locality: [Nossos  
3 mares] Portugal, northeastern Atlantic.

4 **Local synonymy:** *Centroscymnus crepidater*: Compagno *et al.*, 1989: 32, pl.; Compagno  
5 *et al.*, 1991: 58; Ebert *et al.*, 1992: 604; Compagno, 1999: 115. *Centroselachus*  
6 *crepidater*: Compagno *et al.*, 2005: 113, fig., pl. 10; Ebert, 2013: 92, fig. 129; Ebert *et*  
7 *al.*, 2013a: 152, fig., pl. 13; Ebert & Mostada, 2013: 39, fig.; Ebert, 2015: 91, fig. 108;  
8 Ebert & Mostada, 2015: 35, fig.; Ebert & van Hees, 2015: 144; White *et al.*, 2015: 214;  
9 Compagno, 2016: 1196; Weigmann, 2016: 899; Weigmann *et al.*, 2016b: 642.

10 **South Africa voucher material:** SAIAB 25724, SAIAB 26278, SAIAB 26279, SAIAB  
11 26280, SAIAB 26281, SAIAB 26337, SAIAB 27599, SAIAB 27600, SAIAB 27602.

12 **South Africa distribution:** The Orange River (NC) to Cape Agulhas (WC), but not yet  
13 confirmed from the EC or KZN.

14 **Remarks:** First reported in South African waters by Compagno *et al.* (1989) and  
15 Compagno *et al.* (1991); previous southern African records were from off Namibia (Bass  
16 *et al.*, 1976; Bass *et al.*, 1986). Although the species has not been reported from the EC or  
17 KZN, it is quite common east of South Africa along the Madagascar Ridge. A somewhat  
18 common species along the upper continental slope, *C. crepidater* appears to be a faunal  
19 associate of *C. coelolepis* since both species are frequently collected together (Compagno  
20 *et al.*, 1991).

21 **Conservation status:** LC (2003).

22

23 **Genus *Scymnodalatias* Garrick, 1956**

24 Spineless Velvet Dogfishes

1 *Scymnodalatias* Garrick, 1956: 564. Type species: *Scymnodon sherwoodi* Archey, 1921 by original  
2 designation (also monotypic).

3

4 ? ***Scymnodalatias albicauda* Taniuchi & Garrick, 1986**

5 Whitetail Dogfish

6 *Scymnodalatias albicauda* Taniuchi & Garrick, 1986: 120, figs. 1–2. Holotype: FUMT-P 197. Type  
7 locality: South Indian Ocean, 45°S, 92°E.

8 **Local synonymy:** *Scymnodalatias albicauda*: Compagno *et al.*, 2005: 114, fig., pl. 11;  
9 Ebert, 2013: 96, fig. 135; Ebert *et al.*, 2013a: 153, fig., pl. 14; Ebert & Mostada, 2013:  
10 45, fig.; Ebert & Dando, 2014: 87, fig.; Ebert, 2015: 93, fig. 110; Ebert & Mostada, 2015:  
11 39, fig.; Ebert & van Hees, 2015: 144; Weigmann, 2016: 899.

12 **South Africa voucher material:** None.

13 **South Africa distribution:** Southwest of South Africa (Ebert, 2013, 2015). Presence in  
14 South African waters requires confirmation.

15 **Remarks:** Reported from a few scattered records southwest of South Africa, there are no  
16 voucher specimens in museum collections confirming its presence in South African  
17 waters (Ebert, 2013; 2015).

18 **Conservation status:** DD (2018).

19

20 **Genus *Somniosus* Lesueur, 1818**

21 Sleeper Sharks

22 *Somniosus* Lesueur, 1818: 222. Type species: *Somniosus brevipinna*, Lesueur, 1818 by monotypy;  
23 synonym of *Somniosus microcephalus* (Bloch & Schneider, 1801).

24

1 ***Somniosus antarcticus* Whitley, 1939**

2 Southern Sleeper Shark

3 *Somniosus antarcticus* Whitley, 1939: 242. Holotype (unique): tooth and skin samples (location unknown).

4 Type locality: Macquarie Island, south of Tasmania, Australia. Species described from a drawing in Waite,  
5 1916: 51, fig. 10.

6 **Local synonymy:** *Somniosus microcephalus*: Bass et al., 1976: 43; Compagno, 1984a:

7 103, fig.; Bass et al., 1986: 60, fig. 5.23; Compagno et al., 1989: 32, pl. *Somniosus* cf.

8 *microcephalus*: Compagno et al., 1991: 66. *Somniosus antarcticus*: Compagno, 1999:

9 115; Yano et al., 2004: 369; Compagno et al., 2005: 117, fig., pl. 12; Ebert, 2013: 98, fig.

10 137; Ebert et al., 2013a: 156, fig., pl. 15; Ebert & Dando, 2014: 89, fig.; Ebert, 2015: 95,

11 fig. 112; Ebert & van Hees, 2015: 144; Weigmann, 2016: 900.

12 **South Africa voucher material:** SAIAB 203925, SAM 23747, SAM 32671, SAM

13 34721, SAM 35443.

14 **South Africa distribution:** Known from a few specimens taken between Cape

15 Columbine and Saldanha Bay, and from southwest of Cape Town (WC).

16 **Remarks:** The first record of this species was taken off Cape Columbine (WC) in 1963

17 and identified as *S. microcephalus*. However, Yano et al. (2004) examined additional

18 specimens from off the WC and in the Southern Hemisphere and concluded that these

19 were a different species, *S. antarcticus*.

20 **Conservation status:** LC (2018).

21

22 **Genus *Zameus* Jordan & Fowler, 1903**

23 Velvet Dogfishes

1 *Zameus* Jordan & Fowler, 1903: 632. Type species: *Centrophorus squamulosus* Günther, 1877. Type by  
2 original designation, also monotypic.

3

4 ***Zameus squamulosus* (Günther, 1877)**

5 Velvet Dogfish

6 *Centrophorus squamulosus* Günther, 1877: 433. Holotype: BMNH 1880.5.1.1, *Challenger* station 232, off  
7 Inosima, Japan, 35°11'N, 139°28'E.

8 **Local synonymy:** *Scymnodon ? obscurus*: Bass *et al.*, 1976: 35. *Scymnodon obscurus*:  
9 Compagno, 1984a: 98, fig. *Centroscymnus obscurus*: Bass *et al.*, 1986: 53, fig. 5.7.

10 *Zameus squamulosus*: Taniuchi & Garrick, 1986: 129, fig. 3; Compagno *et al.*, 2005:  
11 121, fig., pl. 11; Ebert, 2013: 101, fig. 139; Ebert *et al.*, 2013a: 159, fig., pl. 14; Ebert &  
12 Mostada, 2013: 43, fig.; Ebert & Dando, 2014: 91, fig.; Ebert, 2015: 97, fig. 114; Ebert &  
13 Mostada, 2015: 37, fig.; Ebert & van Hees, 2015: 144; White *et al.*, 2015: 213;  
14 Compagno, 2016: 1199, fig.; Weigmann, 2016: 901. *Scymnodon squamulosus*:  
15 Compagno *et al.*, 1989: 32, pl.; Compagno *et al.*, 1991: 66; Ebert *et al.*, 1992: 607;  
16 Compagno, 1999: 115.

17 **South Africa voucher material:** SAIAB 6093, SAIAB 99105, SAIAB 99106.

18 **South Africa distribution:** Entire coast from the Orange River (NC) to northern KZN.

19 **Remarks:** The first records of this species were found in the stomach of a Sperm Whale  
20 (*Physeter macrocephalus*) harpooned off Durban in 1971, which had four partially  
21 digested *Z. squamulosus* (Bass *et al.*, 1976).

22 **Conservation status:** DD (2006).

23

24 **Family Oxynotidae Gill, 1872**



1 Rough Sharks

2 **Genus *Oxynotus* Rafinesque, 1810a**

3 Rough Sharks

4 *Oxynotus* Rafinesque, 1810a: 45, 60. Type species: *Oxynotus centrina*, Rafinesque, 1810a, by monotypy,  
5 equals *Squalus centrina* Linnaeus, 1758.

6

7 ***Oxynotus centrina* (Linnaeus, 1758)**

8 Angular Rough Shark

9 *Squalus centrina* Linnaeus, 1758: 233. Holotype: Unknown. Type locality: “Habitat in mari Mediterraneo”  
10 [Mediterranean Sea].

11 **Local synonymy:** *Oxynotus centrina*: Barnard, 1949: 970; Smith, 1965: 513, fig. 54a;  
12 Penrith, 1969: 60; Compagno, 1984a: 127, fig.; Bass *et al.*, 1986: 59, fig. 5.21;  
13 Compagno *et al.*, 1989: 20, pl.; Compagno, 1999: 115; Compagno *et al.*, 2005: 123, fig.,  
14 pl. 13; Ebert *et al.*, 2013a: 163, fig., pl. 16; Ebert, 2015: 101, fig. 116; Ebert & Mostada,  
15 2015: 16, fig.; Ebert & van Hees, 2015: 145; Compagno, 2016: 1203; Weigmann, 2016:  
16 899. *Oxynotus* sp.: Bass *et al.*, 1976: 8, fig. 5. *Oxynotus shubnikovi* Myagkov, 1986: 171,  
17 fig. 59; Compagno *et al.*, 1991: 72.

18 **South Africa voucher material:** SAM 22507.

19 **South Africa distribution:** A very rare species in South African waters known from a  
20 specimen off Cape Town (WC) (Barnard, 1949).

21 **Remarks:** Myagkov (1986) named a new species *O. shubnikovi* from northern Namibia,  
22 but a review of the available regional material found no distinct characteristics to separate  
23 it from the European *O. centrina*.

24 **Conservation status:** VU (2007).

1

2 **Family Dalatiidae Gray, 1851**

3 Kitefin Sharks

4 **Genus *Dalatias* Rafinesque, 1810a**

5 Kitefin Sharks

6 *Dalatias* Rafinesque, 1810a: 10. Type species: *Dalatias sparophagus* Rafinesque, 1810a. Type by  
7 subsequent designation.

8

9 ***Dalatias licha* (Bonnaterre, 1788)**

10 Kitefin Shark

11 *Squalus licha* Bonnaterre, 1788: 12. Holotype: Lost. Type locality: Capbreton, north of Bayonne, France,  
12 northeastern Atlantic Ocean.

13 **Local synonymy:** *Scymnorhinus brevipinnis*: Smith, 1936: 1, figs. 1–2. *Scymnorhinus*  
14 *licha*: Bass *et al.*, 1986: 60, fig. 5.22. *Dalatias licha*: Smith, 1949a: 56, fig. 46; Smith,  
15 1965: 56, fig. 46; Bass *et al.*, 1976: 41; Compagno, 1984a: 63, fig.; Compagno *et al.*,  
16 1989: 34, pl.; Compagno, 1999: 115; Compagno *et al.*, 2005: 125, fig., pl. 14; Ebert,  
17 2013: 109, fig. 148; Ebert *et al.*, 2013a: 297, fig., pl. 17; Ebert & Mostada, 2013: 47, fig.;  
18 da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 144; Weigmann, 2016: 892.

19 **South Africa voucher material:** SAIAB 27 (Holotype of *Dalatias brevipinnis*). SAIAB  
20 6057, SAIAB 6059, SAIAB 6236, SAIAB 99092, SAM 25555, SAIAB 189052.

21 **South Africa distribution:** Off Algoa Bay (EC) to Kosi Bay (KZN).

22 **Remarks:** Smith (1936) described *Dalatias brevipinnis* (Holotype SAIAB 27) from three  
23 specimens taken off Algoa Bay, 35 miles south of Cape Recife (EC). However, Smith  
24 (1949a) later placed his species in synonymy with *D. licha*. A common species off KZN

1 and southern Mozambique, its range extends to off Algoa Bay where it is found in deep  
2 water over 400 m. Although it not very common in the EC, Bass *et al.* (1976) reported  
3 about five specimens that had been caught off Port Elizabeth.

4 **Conservation status:** VU (2018).

5

6 **Genus *Euprotomicroides* Hulley & Penrith, 1966**

7 Taillight Sharks

8 *Euprotomicroides* Hulley & Penrith, 1966: 222. Type species: *Euprotomicroides zantedeschia* Hulley &  
9 Penrith, 1966. Type by monotypy.

10

11 ***Euprotomicroides zantedeschia* Hulley & Penrith, 1966**

12 Taillight Shark

13 *Euprotomicroides zantedeschia* Hulley & Penrith, 1966: 222, figs. a–g. Holotype (unique): SAM 23577.  
14 Type locality: West of Cape Town, Western Cape Province, South Africa, southeast Atlantic.

15 **Local synonymy:** *Euprotomicroides zantedeschia*: Hulley & Penrith, 1966: 222, figs. a–  
16 g; Bass *et al.*, 1976: 50, fig. 32h; Compagno, 1984a: 89, fig.; Bass *et al.*, 1986: 57, fig.  
17 5.17; Compagno *et al.*, 1989: 34, pl.; Compagno *et al.*, 1991: 64; Compagno, 1999: 115;  
18 Compagno *et al.*, 2005, fig., pl. 14; Ebert *et al.*, 2013a: 168, fig., pl. 17; Ebert, 2015: 105,  
19 fig. 122; Ebert & van Hees, 2015: 144; Weigmann, 2016: 892.

20 **South Africa voucher material:** SAM 23577.

21 **South Africa distribution:** Known from a single specimen caught west of Cape Town  
22 (WC).

23 **Remarks:** A rare species known from only three additional specimens; one from off  
24 Uruguay, southwest Atlantic, and two off Chile, southeast Pacific.

1 **Conservation status:** LC (2019).

2

3 **Genus *Euprotomicrus* Gill, 1865**

4 Pygmy Sharks

5 *Euprotomicrus* Gill, 1865: 264. Type species: *Scymnus (Laemargus) labordii* Müller & Henle, 1839. Type  
6 by monotypy, equal to *Scymnus bispinatus* Quoy & Gaimard, 1824.

7

8 ***Euprotomicrus bispinatus* (Quoy & Gaimard, 1824)**

9 Pygmy Shark

10 *Scymnus bispinatus* Quoy & Gaimard, 1824: 197, figs. 1–2, pl. 44. Holotype (unique): MNHN 0000-1216.

11 Type locality: Mauritius, Mascarenes, southwestern Indian Ocean.

12 **Local synonymy:** *Euprotomicrus bispinatus*: Bass et al., 1976: 47, fig. 34; Compagno,  
13 1984a: 90, fig.; Bass et al., 1986: 58, fig. 5.18; Compagno et al., 1989: 34, pl.;  
14 Compagno, 1999: 115; Compagno et al., 2005: 126, fig., pl. 14; Ebert, 2013: 111, fig.  
15 150; Ebert et al., 2013a: 169, fig., pl. 17; Ebert & Mostada, 2013: 48, fig.; Ebert &  
16 Dando, 2014: 81, fig.; Ebert, 2015: 107, fig. 124; Ebert & Mostada, 2015: 41, fig.; Ebert  
17 & van Hees, 2015: 144; Compagno, 2016: 1211, fig.; Weigmann, 2016: 892.

18 **South Africa voucher material:** SAIAB 6290 [formerly ORI 2621], SAM 26071.

19 **South Africa distribution:** Known from off Cape Town (WC) and off Port Shepstone  
20 (KZN).

21 **Remarks:** Bass et al. (1976) reported two specimens, a 14.8 cm TL immature male taken  
22 off the KZN coast at the surface over very deep water at night and a 21.2 cm TL mature  
23 male taken 800 km northwest of Cape Town.

24 **Conservation status:** LC (2015).

1

2 **Genus *Heteroscymnoides* Fowler, 1934**

3 Longnose Pygmy Sharks

4 *Heteroscymnoides* Fowler, 1934: 239. Type species: *Heteroscymnoides marleyi* Fowler, 1934. Type by  
5 original designation (also monotypic).

6

7 ***Heteroscymnoides marleyi* Fowler, 1934**

8 Longnose Pygmy Shark

9 *Heteroscymnoides marleyi* Fowler, 1934: 240, fig. 4. Holotype: ANSP 53046. Type locality: Point Ocean  
10 Beach, Durban, KwaZulu-Natal, southwestern Indian Ocean.

11 **Local synonymy:** *Heteroscymnus longus*: Fowler, 1925b: 191; Barnard, 1927: 1013.

12 *Heteroscymnoides marleyi*: Fowler, 1934: 240, fig. 4.; Smith, 1949a: 56, fig. 45; Bigelow  
13 & Schroder, 1957: 132, figs. 15f, g, 16e; Smith, 1965: 56, fig. 45; Bass *et al.*, 1976: 49,  
14 fig. 35; Compagno, 1984a: 92, fig.; Bass *et al.*, 1986: 58, fig. 5.19; Compagno *et al.*,  
15 1989: 34, pl.; Compagno, 1999: 115; Compagno *et al.*, 2005: 126, fig., pl. 14; Ebert,  
16 2013: 113, fig. 152; Ebert *et al.*, 2013a: 169, fig., pl. 17; Ebert & Mostada, 2013: 48, fig.;  
17 Ebert & Dando, 2014: 83, fig.; Ebert, 2015: 108, fig. 126; Ebert & Mostada, 2015: 41,  
18 fig.; Ebert & van Hees, 2015: 144; Weigmann, 2016: 892.

19 **South Africa voucher material:** ANSP 53046.

20 **South Africa distribution:** Known from a single specimen picked up on a beach at  
21 Durban (Fowler, 1934).

22 **Remarks:** The holotype was picked up on a beach near Vetches Pier, Durban, on 4  
23 January 1923. The 12.6 cm TL female specimen was collected by H.W. Bell-Marley who  
24 sent it to H.W. Fowler who originally mistook it for *Heteroscymnus longus* Tanaka,

1 1912; a species referable to the genus *Somniosus*. Fowler (1934) later revised his original  
2 identification and described it as a new genus and species. The species appears to be  
3 wide-ranging in the Southern Hemisphere with the only six known specimens occurring  
4 in three widely dispersed locations in the southwestern Indian Ocean, southeastern  
5 Atlantic Ocean, and southeastern Pacific Ocean (Ebert, 2015).

6 **Conservation status:** LC (2019).

7

## 8 **Genus *Isistius* Gill, 1865**

9 Cookiecutter Sharks

10 *Isistius* Gill, 1865: 264. Type species: *Scymnus brasiliensis* Müller & Henle, 1841. Type by monotypy;  
11 equals *Scymnus brasiliensis* Quoy & Gaimard, 1824.

12

### 13 ***Isistius brasiliensis* (Quoy & Gaimard, 1824)**

14 Cookiecutter Shark

15 *Scymnus brasiliensis* Cuvier, in Quoy & Gaimard, 1824: 198. Holotype: MNHN A-7787, 172 mm TL  
16 female. Type locality: off Brazil, western Atlantic.

17 **Local synonymy:** *Isistius brasiliensis*: Jahn & Haedrich, 1987: 297; Compagno, 1999:  
18 115; Compagno *et al.*, 2005: 127, fig., pl. 14; Ebert, 2013: 115, fig. 154; Ebert *et al.*,  
19 2013a: 170, fig., pl. 17; Ebert & Mostada, 2013: 49, fig.; NPOA, 2013: 38; Ebert &  
20 Dando, 2014: 85, fig.; da Silva *et al.*, 2015: 246; Ebert, 2015: 110, fig. 128; Ebert &  
21 Mostada, 2015: 42, fig.; Ebert & van Hees, 2015: 144; Compagno, 2016: 1211;  
22 Weigmann, 2016: 892; de Figueiredo Petean & de Carvalho, 2018: 13, fig. 11.

23 **South Africa voucher material:** ZMH 108396, ZMH 108492, ZMH 108493.

24 **South Africa distribution:** Known from a few scattered records off the South African

1 coast from WC to KZN (Jahn & Haedrich, 1987).

2 **Remarks:** This species is poorly documented in South African waters and any specimens  
3 collected should be retained. A deep-sea Stingray (*Plesiobatis davisei*) was once caught  
4 off northern KZN with bite wounds from this species (Ebert *et al.*, 2002; Ebert, 2013,  
5 2014).

6 **Conservation status:** LC (2018).

7

8 ***Isistius plutodus* Garrick & Springer, 1964**

9 Largetooth Cookiecutter Shark

10 *Isistius plutodus* Garrick & Springer, 1964: 679, figs. 1–2. Holotype (unique): USNM 188386. Type  
11 locality: Off coast of Alabama, U.S.A., 28°58'N, 88°18'W.

12 **Local synonymy:** *Isistius plutodus*: Jahn & Haedrich, 1987: 298, fig. 47; Ebert *et al.*,  
13 2013a: 171, fig., pl. 17; Ebert & van Hees, 2015: 144; Compagno, 2016: 1212;  
14 Weigmann, 2016: 892; de Figueiredo Petean & de Carvalho, 2018: 36, fig. 23.

15 **South Africa voucher material:** None.

16 **South Africa distribution:** Unconfirmed from South African waters, but its occurrence  
17 would not be unexpected.

18 **Remarks:** Jahn & Haedrich (1987) reported this species from off South Africa, but no  
19 specimens are available to confirm its presence in these waters.

20 **Conservation status:** LC (2015).

21

22 **Order Squatiniformes**

23 **Family Squatinidae Bonaparte, 1838**

24 Angel Sharks

1 **Genus *Squatina* Duméril, 1805**

2 Angel Sharks

3 *Squatina* Duméril, 1805: 102, 342. Type species: *Squalus squatina* Linnaeus 1758, by subsequent  
4 designation.

5

6 ***Squatina africana* Regan, 1908a**

7 African Angelshark

8 *Squatina africana* Regan, 1908a: 248, pl. 38. Holotype: BMNH 1906.11.19.21, male, 800 mm TL. Type  
9 locality: Durban Bay, KwaZulu-Natal, South Africa, southwestern Indian Ocean.

10 **Local synonymy:** *Squatina africana*: Regan, 1908a: 248, pl. 38; Gilchrist & Thompson,  
11 1916: 284; Barnard, 1925: 54, fig. 5, pl. 3; Smith, 1949a: 61, fig. 55, pl. 3; Smith, 1965:  
12 6, fig. 55, pl. 3; Bass *et al.*, 1975d: 21; Compagno, 1984a: 141, fig.; Bass, 1986: 107, fig.  
13 21.2; Compagno *et al.*, 1989: 36, pl.; Compagno, 1999: 115; Compagno *et al.*, 2005: 138,  
14 fig., pl. 17; Ebert, 2013: 131, fig. 169; Ebert *et al.*, 2013a: 190, fig., pl. 20; Ebert &  
15 Mostada, 2013: 10, fig.; NPOA, 2013: 51; da Silva *et al.*, 2015: 248; Ebert & van Hees,  
16 2015: 145; Weigmann, 2016: 905.

17 **South Africa voucher material:** Holotype: BMNH 1906.11.19.21. Non-types: SAIAB  
18 6221, SAIAB 6222, SAIAB 6223, SAIAB 6224, SAIAB 7082, SAIAB 8532, SAIAB  
19 11458, SAIAB 26960, SAIAB 27583, SAIAB 48523, SAIAB 53275, SAIAB 99189,  
20 SAIAB 188976, SAIAB 188977.

21 **South Africa distribution:** Mostly from Algoa Bay (EC) to northern KZN, but  
22 occasionally west to Mossel Bay and Knysna (WC).

23 **Remarks:** A common species off KZN, but it is uncommon to rare off Mozambique,  
24 Tanzania, and Madagascar. Records from off Somalia, Socotra Island (Yemen), and



1 Mauritius (Fricke, 1999a) should be carefully examined to determine if this is the same or  
2 a different species. A single specimen landed at a fishing port in India (Ambily *et al.*,  
3 2018) is likely to have originated in African waters given that fishing vessels fish widely  
4 in the Indian Ocean.

5 **Conservation status:** NT (2019).

6

7 **Order Pristiophoriformes**

8 **Family Pristiophoridae Bleeker, 1859**

9 Sawsharks

10 **Genus *Pliotrema* Regan, 1906a**

11 Sixgill Sawsharks

12 *Pliotrema* Regan, 1906a: 1. Type species: *Pliotrema warreni* Regan, 1906, by original description.

13

14 ***Pliotrema warreni* Regan, 1906a**

15 Sixgill Sawshark

16 *Pliotrema warreni* Regan, 1906a: 1, pl. 1. Syntypes: BMNH 1899.2.10.4 (skeleton in spirit), ~704 mm TL;

17 BMNH 1905.6.8.9 (1). Type locality: False Bay, Cape of Good Hope, Western Cape Province, South

18 Africa and off the coast of KwaZulu-Natal, South Africa.

19 **Local synonymy:** *Pliotrema warreni*: Regan, 1906a: 1, pl. 1; Thompson, 1914: 152;

20 Gilchrist, 1922b: 50; Barnard, 1925: 53, fig. 3, pl. 3; Barnard, 1947: 20, fig. 6, pl. 3;

21 Smith, 1949a: 62, pl. 3; Smith, 1965: 62, pl. 3; Bass *et al.*, 1975d: 20, fig. 11, pl. 8;

22 Compagno, 1984a: 132, fig.; Bass & Heemstra, 1986: 106, fig. 20.1; Compagno *et al.*,

23 1989: 36, pl.; Compagno *et al.*, 1991: 73; Compagno, 1999: 115; Ebert & Cailliet, 2011:

24 501; Ebert & Wilms, 2013: 86; Ebert, 2013: 153, fig. 162; Ebert *et al.*, 2013a: 179, fig.,

1 pl. 18; Ebert & Mostada, 2013: 12, fig.; NPOA, 2013: 51; da Silva *et al.*, 2015: 247;  
2 Ebert, 2015: 116, fig. 130; Ebert & Mostada, 2015: 10, fig.; Ebert & van Hees, 2015:  
3 145; Weigmann, 2016: 907; Weigmann *et al.*, 2020: 1, figs. 26–27. ?*Pristiophorus*  
4 *cirratus* (*non* Latham): Thompson, 1914: 153. A single record of this species is based on  
5 a specimen from False Bay (WC) that was a misidentification by G.A. Boulenger, but  
6 later used by Regan as one of the two syntypes for *P. warreni* (see Barnard, 1925: 53;  
7 Smith, 1949a: 61; Smith, 1965: 61).

8 **South Africa voucher material:** Syntypes: BMNH 1899.2.10.4, BMNH 1905.6.8.9.  
9 Non-types: SAIAB 4125, SAIAB 6225, SAIAB 8056, SAIAB 12978, SAIAB 14602,  
10 SAIAB 18301, SAIAB 26447, SAIAB 26448, SAIAB 26449, SAIAB 27434, SAIAB  
11 69152, SAIAB 88248, SAIAB 99181, SAIAB 99182, SAIAB 99183, SAIAB 186452,  
12 SAIAB 189132, SAIAB 208021.

13 **South Africa distribution:** Table Bay (WC) to the KZN border with Mozambique.

14 **Remarks:** The genus *Pliotrema* has been considered to be monotypic, but a recent  
15 revision has revealed two new species in the genus (Weigmann *et al.*, 2020); both new  
16 species do not occur off South Africa. The global distribution of *P. warreni* is now  
17 considered to range from central Namibia to southern Mozambique, with most of the  
18 population occurring on the Agulhas Bank (EC) South Africa.

19 **Conservation status:** NE.

20

21 **Order Orectolobiformes**

22 **Family Ginglymostomatidae Gill, 1862**

23 Nurse Sharks

1 **Genus *Nebrius* Rüppell, 1837**

2 Tawny Nurse Sharks

3 *Nebrius* Rüppell, 1837: 62. Type species: *Nebrius concolor* Rüppell, 1837, by monotypy.

4

5 ***Nebrius ferrugineus* (Lesson, 1831)**

6 Tawny Nurse Shark

7 *Scyllium ferrugineum* Lesson, 1831: 95. Syntypes: location unknown. Type locality: Port Praslin, New  
8 Ireland, Bismarck Archipelago; and Offack Bay, Waigeo, Indonesia.

9 **Local synonymy:** *Nebrius doldi*: Smith, 1953: 512, pl. (original description, holotype not  
10 saved). *Nebrius concolor*: Bass *et al.*, 1975c: 44, fig. 21, pl. 14; Bass, 1986: 65, fig. 7.3.  
11 *Nebrius ferrugineus*: Compagno, 1984a: 208, fig.; Compagno *et al.*, 1989: 38, pl.;  
12 Compagno, 1999: 118; Compagno, 2001: 196, fig. 161; Compagno *et al.*, 2005: 172, fig.,  
13 pl. 26; Ebert *et al.*, 2013a: 271, fig., pl. 35; Ebert & van Hees, 2015: 145; Weigmann,  
14 2016: 843.

15 **South Africa voucher material:** None.

16 **South Africa distribution:** Occurs only marginally in South Africa in northern KZN.

17 **Remarks:** Bass *et al.* (1975c: plate 14) described and illustrated the jaws of a 183 cm TL  
18 specimen collected in northern KZN. The species appears to be more common north of  
19 South Africa off the East African coast and around WIO islands.

20 **Conservation status:** VU (2003).

21

22 **Family Stegostomatidae Gill, 1862**

23 Zebra Sharks

24 **Genus *Stegostoma* Müller & Henle, 1837a**

1 Zebra Sharks

2 *Stegostoma* Müller & Henle, 1837a: 112. Type species: *Squalus fasciatus* Bloch & Schneider, 1801, by  
3 original designation, equals *Squalus fasciatus* Hermann, 1783.

4

5 ***Stegostoma tigrinum* (Forster, 1781)**

6 Zebra Shark

7 *Squalus tigrinus* Forster, 1781: 24, fig. 2, pl. 13. Types: No types known. Type locality: Description and  
8 illustration based on juvenile individuals from Sri Lanka, Indian Ocean.

9 **Local synonymy:** *Stegostoma tigrinum*: Barnard, 1937: 45; Dahl *et al.*, 2019: 524.

10 *Stegostoma fasciatum*: Smith, 1949a: 51, fig. 30, pl. 2; Smith, 1965: 51, fig. 30, pl. 2;  
11 Smith, 1975: 13; Compagno, 1984a: 200, fig.; Bass, 1986: 65, fig. 7.4, pl. 4; Compagno  
12 *et al.*, 1989: 38, pl.; Compagno, 1999: 118; Compagno, 2001: 186, fig. 156; Heemstra &  
13 Heemstra, 2004: 54; Ebert *et al.*, 2013a: 268, fig., pl. 35; Ebert & van Hees, 2015: 145;  
14 Weigmann, 2016: 848. *Stegostoma varium*: Bass *et al.*, 1975c: 46, fig. 22.

15 **South Africa voucher material:** SAIAB 6203, SAIAB 6204, SAIAB 7127, SAIAB  
16 7128.

17 **South Africa distribution:** Cape St. Francis (EC) to KZN, but rare south of KZN.

18 **Remarks:** The species *S. tigrinum* has a complicated taxonomic history with at least 15  
19 different scientific names having been ascribed to it. Until recently, the scientific name  
20 most widely accepted for this species was *S. fasciatum* (Hermann, 1783) based on  
21 *Squalus varius* Seba, 1759. However, a recent review on the taxonomic history concluded  
22 that *S. tigrinus* (Forster, 1781) is the proper valid name for this species (Dahl *et al.*,  
23 2019).

24 **Conservation status:** EN (2019).

1

2 **Family Rhincodontidae Müller & Henle, 1839**

3 Whale Sharks

4 **Genus *Rhincodon* Smith, 1829**

5 Whale Sharks

6 *Rhincodon* Smith, 1829: 443. Type species: *Rhiniodon typus* Smith, 1828, by monotypy, as interpreted by  
7 the ICZN, 1984 (Opinion 1278). Misspelled *Rineodon*, *Rhiniodon*, *Rhinodon*, and *Rhinecodon*. Misspelled  
8 *Rhinodon* by Müller & Henle 1839: 77. *Rhiniodon* Smith 1828: 2 on Official Index for purposes of priority  
9 (Opinion 1278). Appeared first as *Rhiniodon* Smith, 1828, but not accepted by ICZN.

10

11 ***Rhincodon typus* Smith, 1928**

12 Whale Shark

13 *Rhiniodon typus* Smith, 1828: 2. Holotype: MNHN 9855 (stuffed and mounted). Type locality: Table Bay,  
14 Western Cape Province, South Africa.

15 **Local synonymy:** *Rhincodon typus*: Smith, 1828: 2; Smith, 1829: 443; Smith, 1949a: 50,  
16 fig. 29; Smith, 1965: 50, fig. 29; Compagno, 1984a: 210, fig.; Bass, 1986: 66, fig. 8.1, pl.  
17 1; Compagno *et al.*, 1989: 38, pl.; Compagno, 1999: 119; Compagno, 2001: 203;  
18 Heemstra & Heemstra, 2004: 55; Compagno *et al.*, 2005: 174, fig., pl. 28; Ebert *et al.*,  
19 2013a: 272, fig., pl. 26; Ebert & Dando, 2014: 69, fig.; Ebert & van Hees, 2015: 145;  
20 Compagno, 2016: 1253; Weigmann, 2016: 848. *Rhinodon typicus*: Muller & Henle,  
21 1841: 77; Smith, 1849: pl. 26; Bass *et al.*, 1975c: 50, fig. 24; Smith, 1975: 12. *Rhineodon*  
22 *typicus*: Gray, 1851: 67. *Rhinodon typicus*: Thompson, 1914: 149; Barnard, 1925: 37, pl.  
23 2. *Rhineodon typus*: Barnard, 1935: 647, figs. 2–3, pls. 23–25.

24 **South Africa voucher material:** SAIAB 6279 [former ORI 6279], SAIAB 51225,

1 SAIAB 204421.

2 **South Africa distribution:** Table Bay (WC) to KZN border with Mozambique.

3 **Remarks:** Although considered a mostly tropical to subtropical species, *R. typus* is now  
4 known to make excursions into temperate waters even as far as Table Bay (WC) on the  
5 west coast where the holotype of this species was captured.

6 **Conservation status:** EN (2016).

7

8 **Order Lamniformes**

9 **Family Mitsukurinidae Jordan, 1898**

10 Goblin Sharks

11 **Genus *Mitsukurina* Jordan, 1898**

12 Goblin Sharks

13 *Mitsukurina* Jordan, 1898: 199. Type species: *Mitsukurina owstoni* Jordan, 1898, by monotypy.

14

15 ***Mitsukurina owstoni* Jordan, 1898**

16 Goblin shark

17 *Mitsukurina owstoni* Jordan, 1898: 200, pls. 11–12. Holotype: ZMUT, uncat. [lost].

18 **Local synonymy:** *Scapanorhynchus owstoni*: Bass et al., 1975c: 18, fig. 8, pl. 7;

19 Piotrovskiy & Prut'ko, 1980: 124. *Mitsukurina owstoni*: Compagno, 1984a: 223, fig.;

20 Bass & Compagno, 1986: 103, fig. 17.1; Compagno et al., 1989: 40, pl.; Compagno et

21 al., 1991: 73; Compagno, 1999: 118; Compagno, 2001: 69; Compagno et al., 2005: 178,

22 fig., pl. 27; Ebert, 2013: 149, fig. 184; Ebert et al., 2013a: 216, fig., pl. 25; Ebert &

23 Mostada, 2013: 13, fig.; Ebert, 2015: 126, fig. 138; Ebert & Mostada, 2015: 11, fig.;

24 Ebert & van Hees, 2015: 145; Compagno, 2016: 1227; Weigmann, 2016: 851.

1 **South Africa voucher material:** SAIAB 6206 [former ORI 2348]. At least four other  
2 specimens caught off the east coast (EC and KZN) were either discarded or lost in transit.

3 **South African distribution:** West of Cape Town (WC) to off Port Shepstone (KZN).

4 **Remarks:** South African records include a single specimen west of Cape Town (WC),  
5 two from off the Transkei coast (EC), and two from off Port Shepstone, KZN. The  
6 species is likely wide ranging in deep water, along the upper continental slope around  
7 South Africa. A couple additional specimens were caught along the Madagascar Ridge  
8 east of South Africa.

9 **Conservation status:** LC (2018).

10

## 11 **Family Carchariidae Müller & Henle, 1838a**

12 Sand Tiger Sharks

### 13 **Genus *Carcharias* Rafinesque, 1810a**

14 Sandtiger Sharks

15 *Carcharias* Rafinesque, 1810a: 10. Type species: *Carcharias taurus* Rafinesque, 1810a, by monotypy.

16

### 17 ***Carcharias taurus* Rafinesque, 1810a**

18 Ragged-tooth Shark

19 *Carcharias taurus* Rafinesque, 1810a: 10, pl. 14 (fig. 1). Holotype unknown. Type locality: Sicily,  
20 Mediterranean Sea.

21 **Local synonymy:** *Odontaspis taurus*: Müller & Henle, 1841: 73, pl. 30; Bleeker, 1860:  
22 58. *Odontaspis americanus*: Bleeker, 1860b: 58; Günther, 1870: 392; Gilchrist, 1902:  
23 164; Thompson, 1914: 146. *Carcharias taurus*: Barnard, 1925: 36, fig. 2, pl. 2; von  
24 Bonde, 1934: 15; Smith 1949a: 48, fig. 25, pl. 1 [in part]; D'Aubrey, 1964a: 12, pl. 1;

1 Compagno *et al.*, 1989: 40, pl.; Compagno, 1999: 118; Compagno, 2001: 58; Heemstra &  
2 Heemstra, 2004: 73; Compagno *et al.*, 2005: 175, fig., pl. 27; Ebert *et al.*, 2013a: 217,  
3 fig., pl. 25; Mann, 2013: 134; NPOA, 2013: 50; Ebert & van Hees, 2015: 145;  
4 Compagno, 2016: 1223; Weigmann, 2016: 852. *Carcharias tricuspidatus*: Smith, 1949a:  
5 48, fig. 24 [in part]. *Odontaspis taurus*: Bass *et al.*, 1975c: 12, fig. 7. *Eugomphodus*  
6 *taurus*: Compagno, 1984a: 216, fig.; Bass & Compagno, 1986: 104, fig. 19.1, pl. 2.

7 **South Africa voucher material:** SAIAB 6266 [former ORI 2858], SAIAB 6927 [former  
8 ORI 7], SAIAB 6928 [former ORI 9], SAIAB 6929 [former ORI 95], SAIAB 6930  
9 [former ORI 98], SAIAB 6931 [former ORI 201], SAIAB 6932 [former ORI 224],  
10 SAIAB 6933 [former ORI 353], SAIAB 6934 [former ORI 388], SAIAB 6935 [former  
11 ORI 428], SAIAB 6936 [former ORI 463], SAIAB 6937 [former ORI 373], SAIAB 6938  
12 [former ORI 1151], SAIAB 6939 [former ORI 2094], SAIAB 12823, SAIAB 27025,  
13 SAIAB 27435, SAIAB 46922, SAIAB 46925, SAIAB 49159, SAIAB 49160, SAIAB  
14 51208, SAIAB 63806, SAIAB 75608, SAIAB 75609, SAIAB 75610, SAIAB 98914.

15 **South African distribution:** Occurs along the entire coast but appears to be more  
16 common along the EC and KZN coasts.

17 **Remarks:** Some literature accounts cite plate 44 in Rafinesque's original description as  
18 an illustration of this species, however it is plate 14 that illustrates the species. Females  
19 migrate seasonally between mating (central KZN) and pupping grounds (northern KZN).  
20 Juvenile sharks display site fidelity to summer nursery areas and the species is possibly  
21 philopatric (Dicken *et al.*, 2007). Three adults tagged by KZN Sharks Board and  
22 recaptured after more than 20 years at liberty suggest long lifespan (S.P. Wintner, unpubl.  
23 data). A popular shark frequently displayed in public aquaria as well as in diving



1 ecotourism. Current South African legislation prohibits both commercial and recreational  
2 catch (NPOA, 2013).

3 **Conservation status:** VU (2009).

4

5 **Family Odontaspidae Müller & Henle, 1839**

6 Deep-sea Sand Tiger Sharks

7 **Genus *Odontaspis* Agassiz, 1838**

8 Deep-sea Sand Tiger Sharks

9 *Odontaspis* Agassiz, 1838: 86, 87. Type confirmed by ICZN, on Official List (Opinion 723). Type species:  
10 *Carcharias ferox* Risso, 1827, by monotypy, equals *Squalus ferox* Risso, 1810. This genus takes  
11 precedence over *Carcharias* Rafinesque, 1810a when the two were considered synonyms, by special  
12 endorsement in Opinion 1469.3 (ICZN, 1987).

13

14 ***Odontaspis ferox* (Risso, 1810)**

15 Smalltooth Sand Tiger Shark

16 *Squalus ferox* Risso, 1810: 38. Holotype unknown; type locality off Nice, France, in the Mediterranean  
17 Sea.

18 **Local synonymy:** *Odontaspis herbsti*: Bass et al., 1975c: 10, fig. 6. *Odontaspis ferox*:  
19 Smith, 1975: 12; Compagno, 1984a: 219, fig.; Bass, 1986: 98, fig. 14.1, pl. 1; Compagno  
20 et al., 1989: 40, pl.; Compagno, 1999: 118; Compagno, 2001: 64, fig. 55; Heemstra &  
21 Heemstra, 2004: 74; Compagno et al., 2005: 176, fig., pl. 27; Ebert, 2013: 146, fig. 182;  
22 Ebert et al., 2013a: 218, fig., pl. 25; Ebert & Mostada, 2013: 13, fig.; Ebert & Dando,  
23 2014: 63, fig.; Ebert & van Hees, 2015: 145; Compagno, 2016: 1125; Weigmann, 2016:  
24 852.

1 **South Africa voucher material:** SAIAB 6234 [former ORI 2341], SAIAB 6265 [former  
2 ORI 2396], SAIAB 6926.

3 **South African distribution:** KZN coast to at least Port Shepstone, and possibly off the  
4 Transkei coast (EC).

5 **Remarks:** Occasionally taken off the KZN coast, a few dozen specimens were landed  
6 during a short-lived deep-sea fishery off Port Shepstone that also landed *Dalatias licha*  
7 and *Mitsukurina owstoni* among other deep-sea species (D.A. Ebert & P.D. Cowley,  
8 unpubl. data). The species is known to occasionally venture into shallow water, but to  
9 date no known records have been caught by the KZN Sharks Board. The first confirmed  
10 records of this species were from off Durban in October 1966, February 1968, and April  
11 1972.

12 **Conservation status:** VU (2016).

13

14 **Family Megachasmidae Taylor, Compagno, & Struhsaker, 1983**

15 Megamouth Sharks

16 **Genus *Megachasma* Taylor, Compagno, & Struhsaker, 1983**

17 Megamouth Shark

18 *Megachasma* Taylor, Compagno, & Struhsaker, 1983: 87, 96, figs. 1–15. Type species: *Megachasma*  
19 *pelagios* Taylor, Compagno, & Struhsaker, 1983 by original designation (also monotypic).

20

21 ***Megachasma pelagios* Taylor, Compagno, & Struhsaker, 1983**

22 Megamouth Shark

23 *Megachasma pelagios* Taylor, Compagno, & Struhsaker, 1983: 87, 96, figs. 1–15. Holotype: BPBM 22730,  
24 off Oahu, Hawaiian Islands, 21°51'N, 157°46'W.

1 **Local synonymy:** *Megachasma pelagios*: Smale et al., 2002: 350, fig. 1; Compagno et  
2 al., 2005: 178, fig., pl. 28; Ebert et al., 2013a: 219, fig., pl. 26; NPOA, 2013: 32; Ebert &  
3 Dando, 2014: 71, fig.; Ebert & van Hees, 2015: 145; Weigmann, 2016: 851.

4 **South Africa voucher material:** SAM 36030.

5 **South African distribution:** Known from a single specimen that washed ashore at  
6 Nature's Valley near Plettenberg Bay (EC).

7 **Remarks:** The South African record is the western most record in the Indian Ocean.

8 **Conservation status:** LC (2019).

9

10 **Family Pseudocarchariidae Compagno, 1973**

11 Crocodile Sharks

12 **Genus *Pseudocarcharias* Cadenat, 1963**

13 Crocodile Sharks

14 *Pseudocarcharias* Cadenat, 1963: 526 (proposed as a subgenus of *Carcharias* Rafinesque, 1810a, but used  
15 throughout in generic form). Type species: *Pseudocarcharias pelagicus* Cadenat, 1963, by original  
16 designation, a junior synonym of *Carcharias kamoharai* Matsubara, 1936.

17

18 ***Pseudocarcharias kamoharai* (Matsubara, 1936)**

19 Crocodile Shark

20 *Pseudocarcharias kamoharai* Matsubara, 1936: 380. Holotype: FAKU 1823; apparently lost according to  
21 Compagno (2001). Type locality: Koti, Japan.

22 **Local synonymy:** *Carcharias kamoharai*: D'Aubrey, 1964a: 14, pl. 2; D'Aubrey, 1964b:  
23 9, figs. 1–4. *Odontaspis kamoharai*: Bass et al., 1975c: 8, fig. 5. *Pseudocarcharias*  
24 *kamoharai*: Compagno, 1984a: 225, fig.; Bass, 1986: 103, fig. 18.1; Compagno et al.,

1 1989: 40, pl.; Compagno, 1999: 118; Compagno, 2001: 72, fig. 58; Compagno *et al.*,  
2 2005: 177, fig., pl. 27; Ebert, 2013: 152, fig. 186; Ebert *et al.*, 2013a: 214, fig., pl. 25;  
3 Ebert & Mostada, 2013: 14, fig.; NPOA, 2013: 50; Ebert & Dando, 2014: 67, fig.; da  
4 Silva *et al.*, 2015: 247; Ebert, 2015: 129, fig. 140; Ebert & Mostada, 2015: 11, fig.; Ebert  
5 & van Hees, 2015: 145; Compagno, 2016: 1229, Weigmann, 2016: 853.

6 **South Africa voucher material:** SAIAB 6181 [former ORI 528], SAIAB 6205 [former  
7 ORI 1745].

8 **South African distribution:** Known from a few specimens in the WC between Saldanha  
9 Bay and Cape Point, including a couple that washed up on beaches. Likely occurs along  
10 the entire coast offshore.

11 **Remarks:** D' Aubrey (1964b) compared a specimen captured off Cape Town to all other  
12 known synonyms for this species, concluding that only a single species exists worldwide.  
13 At least two specimens were found washed up on beaches or swimming feebly in the surf  
14 in False Bay and near Cape Point and another was caught off Saldanha Bay on a longline  
15 (WC). The species is very common in the Mozambique Channel and so it is likely to be  
16 found along the entire coast of South Africa.

17 **Conservation status:** LC (2019).

18

19 **Family Alopiidae Bonaparte, 1838**

20 Thresher Sharks

21 **Genus *Alopias* Rafinesque, 1810a**

22 Thresher Sharks

23 *Alopias* Rafinesque, 1810a: 13. Type species: *Alopias macrourus* Rafinesque, 1810a, by monotypy, a  
24 junior synonym of *Squalus vulpinus* Bonnaterre, 1788: 9.

1

2 ***Alopias pelagicus* Nakamura, 1935**

3 Pelagic Thresher Shark

4 *Alopias pelagicus* Nakamura, 1935: 2, 3, pl. 1, fig. 2. Syntypes: location unknown. Type locality: Su-Ao  
5 fish market, Taiwan.

6 **Local synonymy:** *Alopias pelagicus*: D'Aubrey, 1964a: 18, pl. 5 (Natal = *A. vulpinus*);

7 Bass *et al.*, 1975c: 34, fig. 17; Compagno, 1984a: 229, fig.; Bass, 1986: 102, fig. 16.1;

8 Cliff & Wilson, 1986: 13; Compagno *et al.*, 1989: 42, pl.; Compagno, 1999: 118;

9 Heemstra & Heemstra, 2004: 72; Compagno *et al.*, 2005: 179, fig., pl. 29; Ebert *et al.*,

10 2013a: 226, fig., pl. 27; NPOA, 2013: 49; Ebert & Dando, 2014: 57, fig.; da Silva *et al.*,

11 2015: 246; Ebert & van Hees, 2015: 145; Weigmann, 2016: 848.

12

13 **South Africa voucher material:** SAIAB 6247 [former ORI 2789], SAIAB 27436.

14 **South African distribution:** KZN coast to the border with Mozambique.

15 **Remarks:** Often confused with *A. vulpinus*. Caught commercially in various fisheries  
16 (NPOA, 2013).

17 **Conservation status:** EN (2019).

18

19 ***Alopias superciliosus* (Lowe, 1839)**

20 Bigeye Thresher Shark

21 *Alopias superciliosus* Lowe, 1841: 39. Also Lowe, 1849: 18 (sometimes dated 1839). Holotype: lost.

22 Type locality: Madeira, Eastern Atlantic.

23 **Local synonymy:** *Alopias superciliosus*: Bass *et al.*, 1975c: 38, fig. 19; Gruber &

24 Compagno, 1981: 617; Compagno, 1984a: 231, fig.; Bass, 1986: 102, fig. 16.2; Cliff &

1 Wilson, 1986: 13; Compagno *et al.*, 1989: 42, pl.; Compagno, 1999: 118; Heemstra &  
2 Heemstra, 2004: 73; Compagno *et al.*, 2005: 180, fig., pl. 29; Ebert, 2013: 155, fig. 188;  
3 Ebert *et al.*, 2013a: 226, fig., pl. 27; Ebert & Mostada, 2013: 14, fig.; NPOA, 2013: 50;  
4 Ebert & Dando, 2014: 59, fig.; da Silva *et al.*, 2015: 246; Ebert, 2015: 132, fig. 142;  
5 Ebert & Mostada, 2015: 12, fig.; Ebert & van Hees, 2015: 145; Compagno, 2016: 1235;  
6 Weigmann, 2016: 849.

7 **South Africa voucher material:** SAIAB 6248 [former ORI 2921], SAIAB 8654, SAM  
8 25543.

9 **South African distribution:** Cape Peninsula (WC) to the east coast (KZN).

10 **Remarks:** Readily identifiable from other thresher sharks by the arrangement of the eyes  
11 which give this species dorsal binocular vision. Caught commercially in various fisheries  
12 (NPOA, 2013).

13 **Conservation status:** VU (2019).

14

15 ***Alopias vulpinus* (Bonnaterre, 1788)**

16 Thresher Shark

17 *Squalus vulpinus* Bonnaterre, 1788: 9. Types unknown according to Compagno (2001), type locality:  
18 Mediterranean Sea.

19 **Local synonymy:** *Alopias vulpes*: Bleeker, 1860b: 58; Thompson, 1914: 147; Barnard,  
20 1925: 34; Barnard, 1947: 14, fig. 3, pl. 2. *Alopecias vulpes*: Günther, 1870: 393 (Cape  
21 seas); Gilchrist, 1902: 164. *Alopias vulpinus*: Smith, 1949a: 47, fig. 22; Smith, 1965: 47,  
22 fig. 22; Bass *et al.*, 1975c: 35, fig. 18, pl. 11; Compagno, 1984a: 232, fig.; Bass, 1986:  
23 102, fig. 16.3; Cliff & Wilson, 1986: 13; Compagno *et al.*, 1989: 42, pl.; Compagno *et*  
24 *al.*, 1991: 44; Compagno, 1999: 118; Heemstra & Heemstra, 2004: 72; Compagno *et al.*,

1 2005: 180, fig., pl. 29; Ebert *et al.*, 2013a: 223, fig., pl. 27; NPOA, 2013: 50; Ebert &  
2 Dando, 2014: 61, fig.; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 145;  
3 Compagno, 2016: 1236; Weigmann, 2016: 849. *Alopias pelagicus*: D'Aubrey, 1964a: 18,  
4 pl. 5 (east coast of South Africa).

5 **South Africa voucher material:** SAIAB 8654, SAIAB 26219, SAIAB 27024, SAIAB  
6 75572, SAIAB 75573, SAIAB 99326.

7 **South African distribution:** NC to KZN; less common on the east coast.

8 **Remarks:** The most common of the three thresher species in South Africa, it is caught  
9 commercially in various fisheries (NPOA, 2013) and by anglers in the WC.

10 **Conservation status:** VU (2019).

11

## 12 **Family Cetorhinidae Gill, 1862**

13 Basking Sharks

### 14 **Genus *Cetorhinus* Blainville, 1816**

15 Basking Shark

16 *Cetorhinus* Blainville, 1816: 121. Type species: not designated; Blainville included the species “*Gunneri*;  
17 *Peregrinus*; *Shavianus*; *Homianus*?” in *Cetorhinus* without further comment. Gill (1862) designated  
18 *Squalus maximus* “Linnaeus” (= Gmelin, 1789) as type of *Cetorhinus*, but this was not an included species.  
19 Jordan & Gilbert (1883) designated “*Cetorhinus gunnerianus* Blainv. = *S. maximus* L.” (a junior synonym  
20 of *Squalus maximus* Gunnerus, 1765) as type of *Cetorhinus*, which may be the earliest valid type  
21 designation.

22

### 23 ***Cetorhinus maximus* (Gunnerus, 1765)**

24 Basking Shark

25 *Squalus maximus* Gunnerus, 1765: 33, pl. 2. No known types. Type locality: Trondheim, Norway.

1 **Local synonymy:** *Cetorhinus maximus*: Barnard, 1925: 34, fig. 1, 1a, pl. 2; Barnard  
2 1937: 43, fig. 1, pls 6, 7; Bass *et al.*, 1975c: 31, fig. 16; Compagno, 1984a: 234, fig.;  
3 Bass, 1986: 101, fig. 15.1, pl. 2; Compagno *et al.*, 1989: 44, pl.; Compagno, 1999: 118;  
4 Compagno, 2001: 91; Compagno *et al.*, 2005: 181, fig., pl. 28; Ebert, 2013: 158, fig. 190;  
5 Ebert *et al.*, 2013a: 222, fig., pl. 26; NPOA: 35; Ebert & Dando, 2014: 73, fig.; Ebert,  
6 2015: 135, fig. 144; Ebert & Mostada, 2015: 12, fig.; Ebert & van Hees, 2015: 145;  
7 Compagno, 2016: 1238; Weigmann, 2016: 849. *Halsydrus maximus* Smith, 1949a: 47,  
8 fig. 23; Smith, 1965: 47, fig. 23.

9 **South Africa voucher material:** Uncatalogued specimen at SAM.

10 **South African distribution:** The Orange River (NC) to Salt Rock, southern KZN.

11 **Remarks:** Occasionally observed in the western Cape, usually between Table Bay and  
12 Cape Agulhas, one was once caught in the surf off Macassar Beach, False Bay. A small  
13 juvenile measuring 260 cm TL was once captured in the KZN Sharks Board bather  
14 protection gear at Salt Rock (KZN).

15 **Conservation status:** EN (2019).

16

17 **Family Lamnidae Müller & Henle, 1838a**

18 Mackerel Sharks

19 **Genus *Carcharodon* Smith *in* Müller & Henle, 1838a**

20 Great White Sharks

21 *Carcharodon* Smith *in* Müller & Henle, 1838a: 37. Type species: *Squalus carcharias* Linnaeus, 1758, by  
22 subsequent monotypy through *Carcharias lamia* Rafinesque, 1810a.

23

24 ***Carcharodon carcharias* (Linnaeus, 1758)**



1 Great White Shark

2 *Squalus carcharias* Linnaeus, 1758: 235. Holotype unknown, type locality: “Europa”.

3 **Local synonymy:** *Carcharodon rondeletii*: Müller & Henle, 1839: 70 (original  
4 description including South Africa); Gray, 1851: 61; Bleeker, 1860b: 57; Günther, 1870:  
5 392; Gilchrist, 1902: 164; Thompson, 1914: 145. *Carcharodon capensis*: Smith, 1849: no  
6 page no., pl. 4 (original description Cape Seas, South Africa); Bleeker, 1860b: 58.  
7 *Carcharodon carcharias*: Barnard, 1925: 33, fig. 7, pl. 1; Smith, 1949a: 49, pl. 1; Smith,  
8 1951: 729, figs. 1–2; D’Aubrey, 1964a: 16, pl. 4; Smith, 1965: 49, pl. 1; Bass *et al.*,  
9 1975c: 22, fig. 10; Compagno, 1984a: 238, fig.; Bass, 1986: 98, fig. 14.1 pl. 1; Cliff &  
10 Wilson, 1986: 10; Compagno *et al.*, 1989: 44, pl.; Smale & Heemstra, 1997: 243, fig. 1;  
11 Compagno, 1999: 118; Compagno, 2001: 100, fig. 71; Heemstra & Heemstra, 2004: 70;  
12 Compagno *et al.*, 2005: 181, fig., pl. 30; Ebert *et al.*, 2013a: 227, fig., pl. 28; Mann, 2013:  
13 98; NPOA, 2013: 49; Ebert & Dando, 2014: 47, fig.; da Silva *et al.*, 2015: 247; Ebert &  
14 van Hees, 2015: 145; Compagno, 2016: 1243; Weigmann, 2016: 850.

15 **South Africa voucher material:** SAIAB 6253 [former ORI 1129], SAIAB 6641 [former  
16 ORI 214, SAIAB 6642 [former ORI 229], SAIAB 6643 [former ORI 416], SAIAB 6644  
17 [former ORI 2041], SAIAB 12998, SAIAB 27198, SAIAB 44242, SAIAB 50000,  
18 SAIAB 51268, SAIAB 75569, SAIAB 75570, SAIAB 99331, SAIAB 201708.

19 **South African distribution:** Occurs along the entire South African coast, with regional,  
20 seasonal distribution centered in the southwestern Cape, but known for transoceanic  
21 migrations.

22 **Remarks:** A protected species (since 1991) in South Africa due to historical persecution  
23 and highly valued jaws and teeth. This species is the focus of a considerable amount of  
24 research in South Africa, and also a cage-diving tourism industry. A specimen tagged in

1 2003 near Cape Town travelled to Australia and back in nine months. An albino  
2 specimen was once captured off Algoa Bay (EC).

3 **Conservation status:** VU (2019).

4

5 **Genus *Isurus* Rafinesque, 1810a**

6 Mako Sharks

7 *Isurus* Rafinesque, 1810a: 12, pl. 13, fig. 1. Type species: *Isurus oxyrinchus* Rafinesque, 1810a, by  
8 monotypy.

9

10 ***Isurus oxyrinchus* Rafinesque, 1810a**

11 Shortfin Mako Shark

12 *Isurus oxyrinchus* Rafinesque, 1810a: 12, pl. 13, fig. 1. Also Rafinesque, 1810b: 45. Holotype unknown.  
13 Type locality: Sicily, Mediterranean Sea.

14 **Local synonymy:** *Lamna glauca*: Müller & Henle, 1839: 69, pl. 29; Günther, 1870: 391  
15 (Cape seas); Gilchrist, 1902: 164; Thompson, 1914: 145. *Isurus glaucus*: Müller & Henle,  
16 1839: 69, pl. 29; Fowler, 1941: 104 (Cape of Good Hope); Barnard, 1947: 10, fig. 1, pl.  
17 2; Smith, 1949a: 50, pl. 1; Smith, 1957d: 94, fig. 1; D'Aubrey, 1964a: 15, pl. 3. *Isurus*  
18 *glauca*: Barnard, 1925: 33 (Cape seas; not fig. 6, pl. 1, = *Lamna nasus*). *Isurus bideni*:  
19 Phillipps, 1932: 227, fig. 2 (original description, South Africa); Fowler, 1941: 104;  
20 Barnard, 1948: 342. *Isurus oxyrinchus*: Bigelow & Schroeder, 1948b: 124; Smith, 1957d:  
21 94, fig. 1; Smith, 1958a: 134, fig. 2; Smith, 1965: 511, fig. 28a; Bass *et al.*, 1975c: 27,  
22 figs. 13–14, pl. 2; Compagno, 1984a: 242, fig.; Bass, 1986: 99, fig. 14.2, pl. 1; Cliff &  
23 Wilson, 1986: 11; Compagno *et al.*, 1989: 44, pl.; Compagno *et al.*, 1991: 74; Compagno,  
24 1999: 118; Heemstra & Heemstra, 2004: 71; Compagno *et al.*, 2005: 182, fig., pl. 30;

1 Ebert *et al.*, 2013a: 230, fig., pl. 28; Foulis & Groeneveld, 2013: 100; Mann, 2013: 100;  
2 NPOA, 2013: 49; Ebert & Dando, 2014: 49, fig.; da Silva *et al.*, 2015: 247; Ebert & van  
3 Hees, 2015: 145; Compagno, 2016: 1245; Weigmann, 2016: 850. *Isurus tigris*: Smith,  
4 1957d: 94, fig. 1. *Isurus tigris africanus*: Smith, 1957d: 96, fig. 1, pl. 1 (original  
5 description of subspecies); Smith, 1958a: 134. *Isurus africanus*: Smith, 1958a: 134;  
6 Smith, 1965: 565, pl. 108.

7 **South Africa voucher material:** SAIAB 426, SAIAB 6014 [former ORI 2418], SAIAB  
8 6916 [former ORI 92], SAIAB 6917 [former ORI 97], SAIAB 6918 [former ORI 101],  
9 SAIAB 6919 [former ORI 272], SAIAB 6920 [former ORI 307], SAIAB 6921 [former  
10 ORI 329], SAIAB 6922 [former ORI 449], SAIAB 6923 [former ORI 240], SAIAB  
11 12828, SAIAB 12999, SAIAB 25194, SAIAB 75571, SAIAB 200724, SAIAB 200726,  
12 SAIAB 200727, SAIAB 202983, SAIAB 203562.

13 **South African distribution:** Occurs along the entire coast from the Orange River (NC)  
14 to the KZN border with Mozambique.

15 **Remarks:** A common offshore, pelagic species in South African waters.

16 **Conservation status:** EN (2019).

17

### 18 ***Isurus paucus* Guitart, 1966**

19 Longfin Mako Shark

20 *Isurus paucus* Guitart, 1966: 3, figs. 1, 2A, 3A, 3C. Syntypes: possibly in the Instituto de Biología or  
21 Instituto de Oceanología, Cuba, collected in the Caribbean near Cuba. No type known according to  
22 Compagno (2001). Type locality: unknown.

23 **Local synonymy:** (?) *Isurus paucus*: Compagno, 1999: 118; Compagno, 2001: 115, fig.  
24 75; Heemstra & Heemstra, 2004: 71; Compagno *et al.*, 2005: 183, fig., pl. 30; Ebert *et*

1 *al.*, 2013a: 231, fig., pl. 28; Ebert & Dando, 2014: 51, fig.; Ebert & van Hees, 2015: 145;  
2 Compagno, 2016: 1249.

3 **South Africa voucher material:** Jaws from the personal collection of a fisher from the  
4 south coast (WC) examined by D.A. Ebert and L.J.V. Compagno (unpubl. data) is the  
5 only material.

6 **South African distribution:** ? Cape Agulhas (WC).

7 **Remarks:** Although there are no confirmed records, this species is provisionally included  
8 as occurring in South African waters based on a set of jaws examined by D.A. Ebert and  
9 L.J.V. Compagno (unpubl. data) from a large mako shark caught off Cape Agulhas by a  
10 commercial fisher. A poorly known and uncommon species, it is frequently misidentified  
11 as *I. oxyrinchus*. This species is of little commercial value as the flesh is soft and of poor  
12 quality.

13 **Conservation status:** EN (2019).

14

## 15 **Genus *Lamna* Cuvier, 1816**

16 Porbeagle Sharks

17 *Lamna* Cuvier, 1816: 126. Type species: *Squalus cornubicus* Bloch & Schneider, 1801 by monotypy,  
18 equals *S. cornubicus* Gmelin, 1789: 1497, and a junior synonym of *S. nasus* Bonnaterre, 1788.

19

## 20 ***Lamna nasus* (Bonnaterre, 1788)**

21 Porbeagle Shark

22 *Squalus nasus* Bonnaterre, 1788 (ex Pennant): 10, fig. 350, pl. 85. No known types. Based on the  
23 'Porbeagle' of Pennant, 1769: 92. Type locality: Cornwall, England, northeastern Atlantic.

24 **Local synonymy:** *Lamna nasus*: Smith, 1949a: 49, pl. 1; Smith, 1949b: 367; Smith,

1 1965: 49, pl. 1; Bass *et al.*, 1975c: 21, fig. 9; Compagno, 1984a: 248, fig.; Bass, 1986:  
2 100, fig. 14.4, pl. 1; Compagno *et al.*, 1989: 44, pl.; Compagno, 1999: 118; Compagno,  
3 2001: 121, fig. 79; Compagno *et al.*, 2005: 184, fig., pl. 30; Ebert *et al.*, 2013a: 232, fig.,  
4 pl. 28; NPOA, 2013: 49; Ebert & Dando, 2014: 53, fig.; da Silva *et al.*, 2015: 247; Ebert  
5 & van Hees, 2015: 145; Compagno, 2016: 1249; Weigmann, 2016: 851.

6 **South Africa voucher material:** Bass *et al.* (1975c) commented on a young specimen of  
7 125 cm TL in the SAM collection (no number) caught in False Bay, April 1928. Smith  
8 (1949b) recorded one from off Knysna, but without any details.

9 **South African distribution:** Southwest of Cape Town to possibly off Knysna (WC).

10 **Remarks:** Uncommon off the South African mainland, but common to the south and  
11 around Prince Edwards Islands where water temperatures are below 18°C.

12 **Conservation status:** VU (2019).

13

#### 14 **Order Carcharhiniformes**

#### 15 **Family Pentanchidae Smith, 1912**

16 Deepsea Catsharks

#### 17 **Genus *Apristurus* Garman, 1913**

18 Demon Catsharks

19 *Apristurus* Garman, 1913: 96. Type species: *Scyliorhinus indicus* Brauer, 1906. Type by original  
20 designation.

21 **Remarks:** The genus *Apristurus* has a complicated taxonomic history in South Africa,  
22 with two locally described species (*A. microps* and *A. saldanha*), but also may include  
23 another two or three unidentified species. These unidentified species along with  
24 additional material recently collected is presently being investigated to revise the

1 southern Africa genus *Apristurus* (D.A. Ebert & J.A. Cordova, Moss Landing Marine  
2 Laboratories, unpubl. data).

3

4 ***Apristurus* cf. *manis* Springer, 1979**

5 Ghost Catshark

6 *Parmaturus* (*Compagnoia*) *manis* Springer, 1979: 102, fig. 60. Holotype: MCZ 38299. Type locality:  
7 southwest of Nantucket, Massachusetts, U.S.A., 39°52'N, 70°50'W.

8 **Local synonymy:** *Apristurus manis*: Compagno, 1999: 119; Compagno *et al.*, 2005: 195,  
9 fig., pl. 31; Ebert *et al.*, 2006: 1056, fig. 3; Flammang *et al.*, 2007: 311, fig. 3; Ebert,  
10 2013: 169, fig. 218; Ebert *et al.*, 2013a: 295, fig., pl. 36; Ebert, 2015: 144, fig. 157; Ebert  
11 & Mostada, 2015: 44, fig.; Ebert & van Hees, 2015: 147; Weigmann, 2016: 868.

12 **South Africa voucher material:** Four specimens, all uncatalogued at the SAM.

13 **South African distribution:** Off Cape Town (WC).

14 **Remarks:** The only records of this species from South Africa were caught during an  
15 experimental trawl survey in the late 1990s. One of us examined these specimens (D.A.  
16 Ebert, unpubl. data, Sept. 2003) and tentatively identified them as *A. cf. manis*. However,  
17 subsequent to this identification, Sasahara *et al.* (2008) described a new species *A.*  
18 *ampliceps* from Australia and New Zealand, which bears strong resemblance to the South  
19 African *A. cf. manis* specimens reported here. Additional specimens of a robust-bodied,  
20 *A. spongiceps*-group, *Apristurus* collected during a series of surveys in the southwestern  
21 Indian Ocean also appears to fit the description of *A. ampliceps*. A taxonomic revision of  
22 southern African *Apristurus* species is currently in progress, which may shed light on the  
23 taxonomic status of this group.

24 **Conservation status:** NE.

1

2 ***Apristurus microps* (Gilchrist, 1922b)**

3 Smalleye Catshark

4 *Scylliorhinus microps* Gilchrist, 1922b: 46, fig. 1, pl. 7. Holotype: lost (additional material, possible  
5 syntype: 1, lost). Type locality: off Cape Town, Western Cape Province, South Africa, southeastern  
6 Atlantic, 33°45.8'S, 17°17.1'E, S.S. *Pickle* station 253, depth 1446 m.

7 **Local synonymy:** *Scylliorhinus microps*: Gilchrist, 1922b: 46, fig. 1, pl. 7; Barnard,  
8 1925: 41. *Pentanchus microps*: Fowler, 1941: 61; Smith, 1949a: 54, fig. 41; Smith, 1965:  
9 54, fig. 41. *Apristurus microps*: Bigelow & Schroeder, 1948b: 221; Bass *et al.*, 1975a: 7;  
10 Springer, 1979: 23; Compagno, 1984b: 275, fig.; Bass, 1986: 88, fig. 11.1; Compagno,  
11 1988a: 170; Compagno *et al.*, 1989: 46, pl.; Compagno *et al.*, 1991: 75; Ebert *et al.*,  
12 1996: 234; Compagno, 1999: 119; Compagno *et al.*, 2005: 196, fig., pl. 31; Ebert *et al.*,  
13 2006: 1056, fig. 3c; Flammang *et al.*, 2007: 308; Ebert, 2013: 169, fig. 218; Ebert *et al.*,  
14 2013a: 295, fig., pl. 36; Ebert & Mostada, 2013: 53, fig.; Ebert, 2015: 144, fig. 157; Ebert  
15 & Mostada, 2015: 44, fig.; Ebert & van Hees, 2015: 147; Weigmann, 2016: 868.

16 **South Africa voucher material:** SAIAB 26318, SAIAB 26319, SAIAB 26320, SAIAB  
17 27439.

18 **South African distribution:** The Orange River (NC) to at least Cape Agulhas, and  
19 possibly to Algoa Bay (EC).

20 **Remarks:** *Apristurus microps* was described from South Africa, and is also known from  
21 the North Atlantic, but appears to have a disjunct population since there are no confirmed  
22 records of this species between the Orange River (NC), South Africa and the European  
23 Atlantic waters between Scotland and Iceland.

24 **Conservation status:** LC (2019).

1

2 ***Apristurus saldanha* (Barnard, 1925)**

3 Saldanha Catshark

4 *Scylliorhinus saldanha* Barnard, 1925: 44. Holotype: lost. Type locality: off Saldanha Bay, Western Cape  
5 Province, South Africa.

6 **Local synonymy:** *Scylliorhinus saldanha*: Barnard, 1925: 44. *Scylliorhinus (Apristurus)*  
7 *saldanha*: Norman, 1935: 36. *Pentanchus saldanha*: Fowler, 1941: 59. *Apristurus*  
8 *saldanha*: Bigelow & Schroeder, 1948b: 221; Bass *et al.*, 1975a: 8, figs. 5, 20a; Springer,  
9 1979: 29; Compagno, 1984b: 282, fig.; Bass, 1986: 89, fig. 11.2; Compagno, 1988a: 169;  
10 Compagno *et al.*, 1989: 46, pl.; Compagno *et al.*, 1991: 77; Ebert *et al.*, 1996: 235;  
11 Compagno, 1999: 119; Compagno *et al.*, 2005: 200, fig., pl. 31; Ebert *et al.*, 2006: 1058,  
12 fig. 4c; Flammang *et al.*, 2007: 308; Ebert, 2013: 168, fig. 210; Ebert *et al.*, 2013a: 295,  
13 fig., pl. 36; Ebert & Mostada, 2013: 53, fig.; NPOA, 2013: 45; Kawauchi *et al.*, 2014: 9;  
14 Ebert, 2015: 146, fig. 161; Ebert & Mostada, 2015: 43, fig.; Ebert & van Hees, 2015:  
15 147; Compagno, 2016: 1264, fig.; Weigmann, 2016: 869. *Pentanchus microps*: Smith,  
16 1949a: 54 (in part, *Scylliorhinus saldanha* in synonymy; Smith, 1965: 54 (in part).

17 **South Africa voucher material:** SAIAB 25464, SAIAB 25934, SAIAB 25935, SAIAB  
18 27438, SAIAB 54997, SAIAB 61751, SAIAB 64133, SAIAB 190354.

19 **South African distribution:** Endemic. Cape Columbine (WC) to about Algoa Bay (EC).

20 A possible record from southern Namibia requires confirmation.

21 **Remarks:** A very large *Apristurus* species, up to at least 88 cm TL, *A. saldanha* was  
22 briefly described without an illustration, and the holotype was subsequently lost.

23 **Conservation status:** LC (2019).

24



1 ***Apristurus* sp.**

2 Black Wonder Catshark

3 **Local synonymy:** *Apristurus* sp.: Compagno et al., 1991: 77; Ebert *et al.*, 1996: 235;  
4 Compagno, 1999: 119; Ebert *et al.*, 2006: 1059.

5 **South Africa voucher material:** Uncatalogued specimens at SAIAB and SAM.

6 **South African distribution:** The Orange River (NC) to Cape Agulhas (WC).

7 **Remarks:** This species may be a juvenile *A. saldanha* or a distinctly different species. It  
8 is currently under investigation with other South African *Apristurus* species (D.A. Ebert,  
9 unpubl. data).

10 **Conservation status:** NE.

11

12 **Genus *Galeus* Rafinesque, 1810a**

13 Sawtail Catsharks

14 *Galeus* Rafinesque, 1810a: 13. Type species: *Galeus melastoma* Rafinesque, 1810a. Type by subsequent  
15 designation.

16

17 ***Galeus polli* Cadenat, 1959**

18 African Sawtail Catshark

19 *Galeus polli* Cadenat, 1959: 396, figs. 1–4, 7–18. Syntypes: (17, plus young) MNHN 1959-0044; MNHN  
20 1959-0045. Type locality: off Senegal, West Africa.

21 **Local synonymy:** *Galeus polli*: Compagno et al., 2005: 299, fig., pl. 37; Ebert *et al.*,  
22 2013a: 345, fig., pl. 45; Ebert, 2015: 148, fig. 163; Ebert & Mostada, 2015: 47, fig.; Ebert  
23 & van Hees, 2015: 147; Compagno, 2016: 1265, fig.; Weigmann, 2016: 875.

24 **South Africa voucher material:** Uncatalogued specimens at SAM from the Northern

1 Cape Province, west coast of South Africa.

2 **South African distribution:** Known from a few specimens collected during research  
3 survey cruises south of the Orange River, off the NC, west coast of South Africa (Ebert,  
4 2015).

5 **Remarks:** The species is most common from about central Namibia northwards, but is  
6 less common south of Lüderitz, Namibia, where it is replaced by *Holohalaelurus regani*  
7 and *Scyliorhinus capensis* (Compagno *et al.*, 1991; Ebert, 2015).

8 **Conservation status:** LC (2004).

9

## 10 **Genus *Halaelurus* Gill, 1862**

11 Tiger Catsharks

12 *Halaelurus* Gill, 1862: 407. Type species: *Scyllium buergeri* Müller & Henle, 1838c. Type by original  
13 designation (also monotypic).

14

## 15 ***Halaelurus lineatus* Bass, D'Aubrey, & Kistnasamy, 1975a**

16 Lined Catshark

17 *Halaelurus lineatus* Bass, D'Aubrey, & Kistnasamy, 1975a: 12, figs. 8, 20e. Holotype: SAIAB [formerly  
18 RUSI] 6148 [ex ORI 2935].

19 **Local synonymy:** *Halaelurus lineatus*: Bass *et al.*, 1975a: 12, figs. 8, 20e; Springer,  
20 1979: 79; Compagno, 1984b: 327, fig.; Bass, 1986: 90, fig. 11.5; Compagno, 1988a: 147;  
21 Compagno *et al.*, 1989: 52, pl.; Compagno, 1999: 119; Heemstra & Heemstra, 2004: 66;  
22 Compagno *et al.*, 2005: 233, fig., pl. 39; Ebert *et al.*, 2013a: 351, fig., pl. 47; NPOA,  
23 2013: 45; da Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 147; Weigmann, 2016: 876.

24 **South Africa voucher material:** Holotype: SAIAB [formerly RUSI] 6148 [ex ORI

1 2935]. Paratypes: SAIAB [formerly RUSI] 6161 [ex ORI 2614] (1, hatched from egg  
2 case), 6162 [ex ORI 2619] (1, hatched from egg case), 6147 [ex ORI 2936].

3 **South African distribution:** East London (EC) to the KZN border with Mozambique.

4 **Remarks:** A common coastal catshark frequently caught by shore anglers and by  
5 commercial offshore trawlers.

6 **Conservation status:** LC (2019).

7

8 ***Halaelurus natalensis* (Regan, 1904)**

9 Tiger Catshark

10 *Scyllium natalense* Regan, 1904: 128. Syntypes: (2 specimens) BMNH 1904.6.28.29 (1). Type locality:  
11 KwaZulu-Natal, South Africa.

12 **Local synonymy:** *Scyllium natalense*: Regan, 1904: 128. *Scylliorhinus natalensis*: Regan,  
13 1908a: 241; Regan, 1908b: 461; Fowler, 1936a: 361. *Scylliorhinus natalensis*: Gilchrist  
14 & Thompson, 1911: 55; Thompson, 1914: 138; Gilchrist & Thompson, 1916: 283;  
15 Gilchrist, 1921: 56; Gilchrist, 1922b: 44 (in part with *H. lineatus*?); von Bonde, 1923: 4  
16 (in part with *H. lineatus*?); Barnard, 1925: 43; von Bonde, 1934: 15; Barnard, 1947: 16.  
17 *Halaelurus natalensis*: Garman, 1913: 84; Fowler, 1941: 45; Smith, 1949a: 54, pl. 2;  
18 Smith, 1965: 54, pl. 2; Springer & D'Aubrey, 1972: 3; Bass *et al.*, 1975a: 14, figs. 9, 20f;  
19 Springer, 1979: 83, figs. 48–50; Compagno, 1984b: 330, fig.; Bass, 1986: 91, fig. 11.7,  
20 pl. 3; Compagno, 1988a: 147; Compagno *et al.*, 1989: 52, pl.; Compagno *et al.*, 1991: 78;  
21 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 66; Compagno *et al.*, 2005: 233,  
22 fig., pl. 39; Ebert *et al.*, 2013a: 352, fig., pl. 47; NPOA, 2013: 45; da Silva *et al.*, 2015:  
23 248; Ebert & van Hees, 2015: 147; Weigmann, 2016: 876.

24 **South Africa voucher material:** Syntypes: BMNH 1904.6.28.29 (2 specimens). Non-

1 types: SAIAB 6154, SAIAB 6155, SAIAB 6156, SAIAB 6157, SAIAB 6158, SAIAB  
2 6159, SAIAB 6363, SAIAB 6859, SAIAB 6860, SAIAB 6861, SAIAB 6862, SAIAB  
3 6863, SAIAB 6864, SAIAB 6865, SAIAB 6866, SAIAB 6867, SAIAB 6868, SAIAB  
4 6869, SAIAB 6870, SAIAB 6871, SAIAB 6872, SAIAB 6873, SAIAB 6874, SAIAB  
5 6875, SAIAB 6876, SAIAB 6877, SAIAB 6878, SAIAB 6879, SAIAB 6880, SAIAB  
6 6881, SAIAB 6882, SAIAB 6883, SAIAB 6884, SAIAB 6885, SAIAB 6886, SAIAB  
7 6887, SAIAB 7559, SAIAB 7618, SAIAB 7619, SAIAB 7620, SAIAB 7621, SAIAB  
8 7622, SAIAB 7623, SAIAB 7624, SAIAB 7834, SAIAB 8264.

9 **South African distribution:** Endemic. Cape Point (WC) to East London (EC), but may  
10 possibly extend to Saldanha Bay (WC) in the west and eastwards to KZN.

11 **Remarks:** The species is most common off the southern and eastern Cape coasts, but  
12 records for extreme locations on the west and east coasts require confirmation.

13 **Conservation status:** VU (2020).

14

## 15 **Genus *Haploblepharus* Garman, 1913**

16 Shysharks

17 *Haploblepharus* Garman, 1913: 101. Type species: *Squalus edwardsii* Schinz, 1822. Type by monotypy.

18 Type species originally was given as *Scyllium edwardsii* Voigt 1832. The name *Squalus edwardsii* was  
19 attributed to Schinz, 1822 in Opinion 2056; the name *edwardsii* had been spelled *edwardsii* by Schinz,  
20 1822, but *edwardsii* was ruled the correct spelling

21

## 22 ***Haploblepharus edwardsii* (Schinz, 1822)**

23 Puffadder Shyshark

1 *Squalus edwardsii* Schinz, 1822: 214 (in van Oijen, 2001). Neotype: SAM 36079. Type locality: Millers  
2 Point, False Bay, Western Cape Province, South Africa, 34°14'S, 18°28.6'E.

3 **Local synonymy:** *Squalus edwardsii*: Schinz, 1822: 214. *Scyllium edwardsii*: Müller &  
4 Henle, 1838c: 4, pl.; Gray, 1851: 28; Duméril, 1853: 79; Bleeker, 1860b: 57; Günther,  
5 1870: 401; Gilchrist, 1902: 164; Lampe, 1914: 213. *Scyllium edwardsii*: Voigt, in Cuvier,  
6 1832: 504 (in van Oijen, 2001). *Catulus edwardii*: Smith, 1837: 85. *Scylliorhinus*  
7 *edwardsii*: Regan, 1908b: 463. *Scylliorhinus edwardsi*: Thompson, 1914: 137; Barnard,  
8 1925: 41. *Scylliorhinus edwardsii*: Gilchrist & Thompson, 1916: 283; Gilchrist, 1922a: 4.  
9 *Haploblepharus edwardsii*: Smith, 1950: 879, fig. 1; Smith, 1965: 512, fig. 39a; Bass *et*  
10 *al.*, 1975a: 17, fig. 11a (in part, illustration is actually *H. kistnasamyi*); Springer, 1979:  
11 88; Compagno, 1984b: 332, fig.; Bass, 1986: 91, (fig. 11.8 caption as *H. edwardsii* is  
12 actually *H. kistnassamyi*); Compagno, 1988a: 15; Compagno *et al.*, 1989: 50, pl.;  
13 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 66; Compagno *et al.*, 2005: 234,  
14 fig., pl. 40; Human & Compagno, 2006: 41; Human, 2007: 7, fig. 3; Ebert *et al.*, 2013a:  
15 354, fig., pl. 48; NPOA, 2013: 46; da Silva *et al.*, 2015: 248; Ebert & van Hees, 2015:  
16 147; Weigmann, 2016: 876. (non) *Haploblepharus edwardsii*: Smith, 1950: 54, fig. 39 (= *H.*  
17 *fuscus*).

18 **South Africa voucher material:** Human (2007) provides an extensive list of specimens  
19 in the SAM.

20 **South African distribution:** Endemic. This species is confirmed from Langebaan  
21 Lagoon (WC) to Algoa Bay (EC) (Human, 2007), but is most common from False Bay to  
22 southeast of Cape Agulhas (WC). Records of this species from East London (EC) could  
23 be this species or more likely *H. kistnasamyi* (Human, 2007).

24 **Remarks:** This species was the most common *Haploblepharus* species between False

1 Bay and Hermanus (WC) during the 1980s and early 1990s, but in recent years appears to  
2 have been replaced in this area by *H. pictus* due to cooling oceanographic conditions.

3 **Conservation status:** EN (2020).

4

5 ***Haploblepharus fuscus* Smith, 1950**

6 Brown Shyshark

7 *Haploblepharus fuscus* Smith, 1950: 883, fig. 2. Holotype: SAIAB [formerly RUSI] 21. Type locality: off  
8 East London, Eastern Cape Province, South Africa, 33°00'S, 27°55'E.

9 **Local synonymy:** *Haploblepharus edwardsii*: Günther, 1870: 401 (in part); Smith,  
10 1949a: 54, fig. 39 (= *H. fuscus*). *Haploblepharus fuscus*: Smith, 1950: 883, fig. 2; Smith,  
11 1965: 54, fig. 39; Bass *et al.*, 1975a: 19, fig. 12; Springer, 1979: 89; Compagno, 1984b:  
12 334, fig.; Bass, 1986: 92, fig. 11.9, pl. 3; Compagno, 1988a: 151; Compagno *et al.*, 1989:  
13 50, pl.; Compagno, 1999: 119; Compagno *et al.*, 2005: 235, fig., pl. 40; Human &  
14 Compagno, 2006: 41; Human, 2007: 22, fig. 7; Ebert *et al.*, 2013a: 354, fig., pl. 48;  
15 NPOA, 2013: 46; da Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 147; Weigmann,  
16 2016: 876.

17 **South Africa voucher material:** Holotype: SAIAB [formerly RUSI] 21. Non-types:  
18 SAIAB [formerly ORI] 2477, SAIAB [formerly ORI] 2595, SAIAB [formerly RUSI]  
19 3700, SAIAB [formerly RUSI] 3701, SAIAB 6079 [formerly ORI 2470], SAIAB 6081  
20 [formerly ORI 2487), SAIAB 6082 [formerly ORI 2471], SAIAB [formerly RUSI] 7617,  
21 SAIAB [formerly RUSI] 10289, SAIAB [formerly RUSI] 12826, SAIAB [formerly  
22 RUSI] 13144, SAIAB [formerly RUSI] 14005, SAIAB [formerly RUSI] 19993, SAIAB  
23 [formerly RUSI] 25182, SAIAB [formerly RUSI] 41963, SAM 32523, SAM 32614. See  
24 Human (2007) for details.

1 **South African distribution:** Endemic. The species occurs from just west of Cape  
2 Agulhas (WC) to Hibberdene, southern KZN, although it is most common from Storms  
3 River to East London (EC). It is less common to the west between Cape Agulhas and  
4 Storms River, with one anomalous specimen recorded from Langebaan Lagoon (SAM  
5 32614) on the west coast. East London (EC) appears to be the eastern limits for the  
6 species, although Bass *et al.* (1975) reported two specimens from southern KZN (ORI  
7 2595). Similar to other *Haploblepharus* species, improved species-specific identification  
8 will help in determining the distributional limits of this South African endemic.

9 **Remarks:** Knysna (EC) is also frequently listed as a type location, but this second  
10 specimen, a possible ‘paratype’ according to Human (2007) appears to never have been  
11 catalogued despite a search of the SAIAB collection. Both Bass *et al.* (1975a) and  
12 Springer (1979) refer to the two specimens described by Smith (1950) but make no  
13 mention of a paratype. One of us (D.A. Ebert) along with L.J.V. Compagno also searched  
14 the J.L.B. Smith (= SAIAB) collection (ca 1988–89) and could not locate this second  
15 specimen.

16 **Conservation status:** VU (2020).

17

18 ***Haploblepharus kistnasamyi* Human & Compagno, 2006**

19 Eastern Shyshark

20 *Haploblepharus kistnasamyi* Human & Compagno, 2006: 44, fig. 2. Holotype: SAIAB 39835. Type  
21 locality: Landers Reef off Park Rynie, KwaZulu-Natal, South Africa, 30°19'S, 30°47'E.

22 **Local synonymy:** *Haploblepharus edwardsii*: Smith, 1949a: 54 (in part); Smith, 1950:  
23 879 (in part); Bass *et al.*, 1975a: 17, fig. 11a (in part); Compagno, 1984b: 332 (in part);  
24 Bass, 1986: 91, (fig. 11.8 caption as *H. edwardsii* is actually *H. kistnasamyi*); Compagno,

1 1988a: 151 (in part); Compagno *et al.*, 1989: 50, pl. (in part). *Haploblepharus* sp. nov.:  
2 Compagno, 1999: 98, 119. *Haploblepharus* sp. A: Compagno, *et al.*, 2005: 236; Human  
3 *et al.*, 2006: 389. *Haploblepharus kistnasamyi*: Human & Compagno, 2006: 44, fig. 2;  
4 Human, 2007: 29, figs. 10–12; Ebert *et al.*, 2013a: 355, fig., pl. 48; Ebert & van Hees,  
5 2015: 147; Weigmann, 2016: 876.

6 **South Africa voucher material:** Paratypes: SAIAB 6075 [formerly ORI 2424], SAIAB  
7 6077 [formerly ORI 2574]. Non-types: SAIAB 14005, SAIAB 26156, SAIAB 26934,  
8 SAIAB 26937, SAIAB 26939, SAIAB 26964, SAIAB 26965, SAIAB 48494, SAIAB  
9 48496, SAM 29884, SAM 32527, SAM 32553, SAM 32554. See Human (2006) for  
10 details.

11 **South African distribution:** Endemic. Mossel Bay (WC) to Zinkwazi north of Durban  
12 (KZN).

13 **Remarks:** The least known and perhaps rarest species of *Haploblepharus*, it is known  
14 from very few specimens and is rarely observed despite it being a coastal nearshore  
15 species usually found at less than 30 m depth. A further detailed morphological and  
16 genetic study is required to fully delineate and define this species from the other members  
17 of the genus.

18 **Conservation status:** VU (2019).

19

20 ***Haploblepharus pictus* (Müller & Henle, 1838c)**

21 Dark Shyshark

22 *Scyllium pictum* Müller & Henle, 1838c: 4. Syntypes: BMNH (6 specimens dried, possibly lost?), ?NMW  
23 78529 (2 specimens), RMNH 4161-4164 (2 dried). See van Oijen, 2001 for type information. Type locality:  
24 Cape of Good Hope, Western Cape Province.



1 **Local synonymy:** *Scyllium pictum*: Müller & Henle, 1838c: 4. *Scyllium edwardsii*:  
2 Günther, 1870: 401 (in part); Regan, 1908b: 463 (in part). *Haploblepharus edwardsii*:  
3 Garman, 1913: 102 (in part); Thompson, 1914: 137 (in part); Gilchrist & Thompson,  
4 1916: 283 (in part); Fowler, 1941: 64 (in part); von Bonde, 1945a: 1 (in part); von Bonde,  
5 1945b: 220 (in part); Smith, 1949a: 54 (in part); Smith, 1950: 879 (in part); Smith, 1965:  
6 54 (in part). *Haploblepharus pictus*: Bass *et al.*, 1975a: 21, fig. 13; Springer, 1979: 91;  
7 Compagno, 1984b: 335, fig.; Bass, 1986: 92, fig. 11.10; Compagno *et al.*, 1989: 50, pl.;  
8 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 67; Human & Compagno, 2006: 41;  
9 Human, 2007: 14, fig. 5; Ebert *et al.*, 2013a: 355, fig., pl. 48; NPOA, 2013: 46; da Silva  
10 *et al.*, 2015: 248; Ebert & van Hees, 2015: 147; Compagno, 2016: 1266: Weigmann,  
11 2016: 877.

12 **South Africa voucher material:** RMNH 4161-4164 (probable Syntypes). SAIAB  
13 [formerly RUSI] 4115, SAIAB [formerly RUSI] 4117, SAIAB [formerly RUSI] 6083  
14 [previously ORI 6083], SAIAB [formerly RUSI] 6084 [previously ORI 2874], SAIAB  
15 [formerly RUSI] 6160 [previously ORI 2932], SAIAB [formerly RUSI] 39993, SAIAB  
16 [formerly RUSI] 44494, SAIAB [formerly RUSI] 48499, SAIAB [formerly RUSI]  
17 48500, SAM 3225, SAM 10142, SAM 21941, SAM 22996, SAM 23296, SAM 23307,  
18 SAM 23578, SAM 23598, SAM 23811, SAM 24345, SAM 24545, SAM 26385, SAM  
19 29303, SAM 29337, SAM 32526, SAM 32556, SAM 32617. See Human (2007) for  
20 details.

21 **South African distribution:** West coast (NC) from the Orange River to east of the  
22 Storms River mouth (EC).

23 **Remarks:** *Haploblepharus pictus* was synonymized or misidentified by most authors

1 before Bass *et al.* (1975) resurrected it as a valid species. The species is most often  
2 misidentified with *H. edwardsii* where the two species overlap around between False Bay  
3 and Hermanus (WC). A near endemic to South Africa, the northern range of this species  
4 is just north of Lüderitz, Namibia (Human, 2007).

5 **Conservation status:** LC (2019).

6

7 **Genus *Holohalaelurus* Fowler, 1934a**

8 Izak Catsharks

9 *Holohalaelurus* (subgenus of *Halaelurus*) Fowler, 1934a: 235. Type species: *Scyliorhinus regani* Gilchrist,  
10 1922b. Type by original designation.

11

12 ***Holohalaelurus favus* Human, 2006b**

13 Honeycomb Izak Catshark

14 *Holohalaelurus favus* Human, 2006b: 36, figs. 11–12. Holotype: SAIAB [RUSI] 6139. Type location: off  
15 Durban, KwaZulu-Natal, South Africa, about 29°51'S, 31°00'E, southwestern Indian Ocean.

16 **Local synonymy:** *Holohalaelurus regani*: Smith, 1949a: 60 (in part); Bass, 1973: 6 (in  
17 part); Bass *et al.*, 1975a: 25 (in part); Compagno, 1984b: 338, fig. (in part); Bass, 1986:  
18 93 (in part); Compagno, 1988a: 152 (in part); Compagno *et al.*, 1989: 54, pl. (in part);  
19 Compagno, 1999: 98, 119 (in part); Richardson *et al.*, 2000: 553 (in part).

20 *Holohalaelurus regani*: Compagno *et al.*, 2005: 237, fig. (northeastern subspecies).

21 *Holohalaelurus favus*: Human, 2006b: 36, figs. 11–12; Human, 2010: 25; Ebert, 2013:  
22 182, fig. 244; Ebert *et al.*, 2013a: 358, fig., pl. 48; Ebert & Mostada, 2013: 62, fig.; da  
23 Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 147; Weigmann, 2016: 877.

24 **South Africa voucher material:** Holotype: SAIAB [former RUSI] 6139. Paratype:

1 SAIAB 6138.

2 **South African distribution:** From Durban to the KZN border with Mozambique.

3 **Remarks:** A near endemic with a very limited range of about five degrees latitude from  
4 about off Durban (KZN) to just northeast of Maputo, Mozambique (Human, 2006b). This  
5 species is of serious conservation concern since a single record from 2007 represents the  
6 only contemporary record despite its range being subject to surveys (Pollom *et al.*, 2020).

7 **Conservation status:** EN (2020).

8

9 ***Holohalaelurus punctatus* (Gilchrist, 1914)**

10 Whitespotted Izak Catshark

11 *Scylliorhinus punctatus* Gilchrist, 1914: 129, fig. Neotype: SAIAB 6128 [formerly RUSI 6128; previously  
12 ORI 2529] designated by Human, 2006b: 6, fig. 2. Type locality: Red Cliff off Bazaruto, Mozambique.

13 **Local synonymy:** *Scylliorhinus punctatus*: Gilchrist, 1914: 129, fig.; Thompson, 1914:  
14 138; Gilchrist, 1921: 44; Gilchrist, 1922b: 44; Barnard, 1925: 43; von Bonde, 1934: 15.

15 *Scylliorhinus (Halaelurus) polystigma* Regan, 1921: 413 (original description); Norman,  
16 1939: 10, fig. 2b. *Halaelurus (Holohalaelurus) punctatus*: Fowler, 1934a: 235; Fowler,

17 1941: 42. *Halaelurus punctatus*: Fowler, 1935: 361, fig. 1; Fowler, 1941: 42.

18 *Scylliorhinus (Halaelurus) punctatus*: Norman, 1939: 10. *Holohalaelurus punctatus*:

19 Smith, 1949a: 55, fig. 42, pl. 2; Smith, 1965: 55, fig. 42, pl. 2; Bass *et al.*, 1975a: 23, fig.

20 14; Springer, 1979: 92, fig. 56; Compagno, 1984b: 337, fig.; Bass, 1986: 93, fig. 11.11,

21 pl. 3; Compagno, 1988a: 156; Compagno *et al.*, 1989: 54, pl.; Compagno, 1999: 119;

22 Compagno *et al.*, 2005: 237, fig., pl. 40; Human, 2006b: 6, fig. 2; Human, 2010: 25;

23 Ebert, 2013: 183, fig. 246; Ebert *et al.*, 2013a: 359, fig., pl. 48; Ebert & van Hees, 2015:

24 147; Weigmann, 2016: 877.

1 **South Africa voucher material:** BMNH 1921.3.1.1 (Holotype of *H. polystigma* from off  
2 Umvoti River, KZN). SAIAB 6134, SAIAB 6135, SAIAB 40829, SAIAB 188971,  
3 SAIAB 188972, SAIAB 188973, SAIAB 190082.

4 **South African distribution:** North of Durban to the KZN border with Mozambique.  
5 Outside South Africa, this regional endemic is known only from southern Mozambique  
6 and Madagascar.

7 **Remarks:** Human (2006b) highlighted three issues that contributed to the taxonomic  
8 confusion of this species. This includes the loss of the holotype and whether it was ever  
9 formally accessioned, the type locality, and the species-complex in the KZN and southern  
10 Mozambique region. The specimen and illustration depicted by Gilchrist (1914) would  
11 qualify as the holotype, and it is likely to have gone to the SAM, but may never have  
12 been catalogued. During that period there is no reference to a scyliorhinid shark collected  
13 by Gilchrist in the SAM catalogue (Human, 2006a). Although Gilchrist (1914) gives the  
14 type locality as Cape Point with no further details, Human (2006a) suggested that he was  
15 referring to Cape St. Lucia (KZN) rather than Cape Point (WC). This would make sense  
16 since despite thousands of survey trawls in the WC over the past five decades this species  
17 has not been observed. However, its occurrence in KZN waters is not unexpected.  
18 Furthermore, the survey vessel S.S. *Pickle* traveled continuously between the WC and  
19 KZN during the early 1900s. The KZN and southern Mozambique region has several  
20 species of *Holohalaelurus* co-occurring and until recently a lack of accurate descriptions  
21 precluded species-specific identification (Human, 2006).

22 **Conservation status:** EN (2020).

23

1 ***Holohalaelurus regani* (Gilchrist, 1922b)**

2 Izak Catshark

3 *Scylliorhinus regani* Gilchrist, 1922b: 45. Neotype: SAM 32448. Syntypes or non-types: SAIAB [formerly  
4 RUSI] 952 (2). Type locality: Southeast of Hondeklip Bay, Northern Cape Province, 30°57'S, 16°46'E,  
5 South Africa

6 **Local synonymy:** *Scylliorhinus regani*: Gilchrist, 1922b: 45; Barnard, 1925: 42; von  
7 Bonde, 1934: 15. Not *Scylliorhinus regani*: Fowler, 1925b: 188; Fowler, 1926: 399;  
8 Barnard, 1927: 1013 (= *Poroderma marleyi* (Fowler, 1934a). *Halaelurus*  
9 (*Holohalaelurus*) *regani*: Fowler, 1934a: 235; Fowler, 1941: 42. *Scylliorhinus*  
10 (*Halaelurus*) *regani*: Norman, 1935: 36, fig. 13. *Holohalaelurus regani*: Smith, 1949a:  
11 55, fig. 43, pl. 2; Smith, 1965: 55, fig. 43, pl. 2; Bass *et al.*, 1975a: 25; Springer, 1979:  
12 93, figs. 57–58; Compagno, 1984b: 338, fig.; Bass, 1986: 93, fig. 11.12, pl. 3;  
13 Compagno, 1988a: 156; Compagno *et al.*, 1989: 54, pl.; Compagno *et al.*, 1991: 80; Ebert  
14 *et al.*, 1996: 236; Compagno, 1999: 119; Richardson *et al.*, 2000: 553 (in part);  
15 Compagno *et al.*, 2005: 237, fig., pl. 40; Ebert *et al.*, 2006: 1060, fig. 7c; Human, 2006b:  
16 18, fig. 5; Human, 2010: 25; Ebert, 2013: 181, fig. 243; Ebert *et al.*, 2013a: 360, fig., pl.  
17 48; Ebert & Mostada, 2013: 62, fig.; NPOA, 2013: 46; da Silva *et al.*, 2015: 248; Ebert,  
18 2015: 150, fig. 165; Ebert & Mostada, 2015: 47, fig.; Ebert & van Hees, 2015: 147;  
19 Weigmann, 2016: 877.

20 **South Africa voucher material:** Neotype: SAM 32448. Non-types: BMNH 1935.5.2.55,  
21 SAIAB 21827, SAIAB 21828, SAIAB 21829, SAIAB 21830, SAIAB 21831, SAIAB  
22 21832, SAIAB 21833, SAIAB 21834, SAIAB 21835, SAIAB 21836, SAIAB 21837,  
23 SAIAB 21838, SAIAB 21839, SAIAB 21840, SAIAB 21841, SAIAB 21842, SAIAB  
24 21843, SAIAB 21844, SAIAB 21845, SAIAB 21846, SAIAB 21847, SAIAB 21848,

1 SAIAB 21849, SAIAB 21849, SAIAB 21850, SAIAB 21851, SAIAB 21852, SAIAB  
2 21853, SAIAB 21854, SAIAB 21855, SAIAB 21936, SAIAB 21937, SAIAB 21938,  
3 SAM 12987, SAM 12988, SAM 12989, SAM 12990, SAM 12991, SAM 24408, SAM  
4 32995, SAM 34500, SAM 34648.

5 **South African distribution:** A near endemic which is most common in the WC with its  
6 range extending to the east and north to Durban (KZN) where it is rare, and up the west  
7 coast to southeast of Lüderitz, Namibia.

8 **Remarks:** A very common species in the western Cape along the outer continental shelf  
9 and upper slope. Its eastern distribution is somewhat confused due to misidentification  
10 with other *Holohalaelurus* species in KZN.

11 **Conservation status:** LC (2020).

12

13 **Family Scyliorhinidae Gill, 1862**

14 Catsharks

15 **Genus *Cephaloscyllium* Gill, 1862**

16 Swellsharks

17 *Cephaloscyllium* Gill, 1862: 407. Type species: *Scyllium laticeps* Duméril, 1853. Type by original  
18 designation (also monotypic).

19

20 ***Cephaloscyllium sufflans* (Regan, 1921)**

21 Balloon Shark

22 *Scyliorhinus (Cephaloscyllium) sufflans* Regan, 1921: 413. Holotype (unique): BMNH 1921.3.1.2. Type  
23 locality: About 24–35 kilometers off Umvoti River, KwaZulu-Natal, South Africa, southwestern Indian  
24 Ocean.

1 **Local synonymy:** *Scylliorhinus sufflans*: Regan, 1921: 413; Gilchrist, 1922b: 46;  
2 Barnard, 1925: 41; Barnard, 1947: 16. *Cephaloscyllium sufflans*: Fowler, 1936: 362, figs.  
3 2–3; Fowler, 1941: 33; Smith, 1949a: 52, fig. 34; Smith, 1965: 52, fig. 34; Bass *et al.*,  
4 1975a: Springer, 1979: 29; Compagno, 1984b: 302, fig.; Bass, 1986: 89, fig. 11.3;  
5 Compagno, 1988a: 113; Compagno *et al.*, 1989: 46, pl.; Compagno, 1999: 119;  
6 Compagno *et al.*, 2005: 218, fig., pl. 36; Ebert, 2013: 174, fig. 228; Ebert *et al.*, 2013a:  
7 331, fig., pl. 43; Ebert & Mostarda, 2013: 61, fig.; Ebert & van Hees, 2015: 147;  
8 Weigmann, 2016: 874.

9 **South Africa voucher material:** Holotype: BMNH 1921.3.1.2.

10 **South African distribution:** From off Durban to the KZN border with Mozambique.

11 **Remarks:** This species was recently recorded from Madagascar (Fricke *et al.*, 2018).  
12 Also, a 48 cm TL species was once found in the stomach of a coelacanth from the  
13 Comoro Islands (Heemstra *et al.*, 2006). Records from the Gulf of Aden are dubious.

14 **Conservation status:** NT (2020).

15

## 16 **Genus *Poroderma* Smith, 1838**

17 Pyjama Sharks

18 *Poroderma* (subgenus of *Scyllium*) Smith, 1838: 85. Type species: *Squalus africanus* Gmelin, 1789. Type  
19 by subsequent designation.

20

## 21 ***Poroderma africanum* (Gmelin, 1789)**

22 Pyjama Shark

23 *Squalus africanus* Gmelin, 1789: 1494. Types: No known types exist. Type locality: South Africa.

24 **Local synonymy:** *Squalus africanus*: Gmelin, 1789: 1494. *Squalus vittatus*: Walbaum,

1 1792: 516; Shaw *in* Shaw & Nodder, 1798: no page number, pl. 346 (*in* Garman 1913:  
2 70); Compagno, 1984b: 347, fig.; and Human, 2006a: 6). According to Human (2006a),  
3 this species was incorrectly attributed to Walbaum, 1792: 516, by Fowler, 1941: 40.  
4 However, it appears the name *Squalus vittatus* was already preoccupied (Walbaum,  
5 1792). *Scyllium africanum*: Cuvier 1816: 359; Smith, 1837: 85; Müller & Henle, 1841:  
6 12, pl.; Smith, 1849: 9, fig. 1, pl. 25; Gray, 1851: 31; Duméril 1853: 82; Duméril 1865:  
7 321; Günther 1870: 405; Gilchrist, 1902: 103; Gilchrist 1914: 111; Lampe 1914: 209.  
8 *Squalus striatus*: Forster *in* Lichtenstein, 1844: 407 (*in* Garman, 1913: 70; Fowler, 1941:  
9 40; Compagno, 1984b: 347; Human, 2006a: 6). *Poroderma africanum*: Fowler, 1908: 53;  
10 Garman, 1913: 170; Fowler, 1925: 189, fig. 1; von Bonde, 1948: 465, pls. 13–16; Smith,  
11 1949a: 53, fig. 37, pl. 2; Smith, 1965: 53, fig. 37, pl. 2; Bass *et al.*, 1975a: 28, fig. 16;  
12 Springer, 1979: 112; Compagno, 1984b: 346, fig.; Bass, 1986: 94, fig. 11.13, pl. 3;  
13 Compagno, 1988a: 15; Compagno *et al.*, 1989: 48, pl.; Compagno, 1999: 119; Heemstra  
14 & Heemstra, 2004: 67; Compagno *et al.*, 2005: 242, fig., pl. 39; Human, 2006a: 6, fig. 1;  
15 Ebert *et al.*, 2013a: 370, fig., pl. 50; Mann, 2013: 185; NPOA, 2013: 47; da Silva *et al.*,  
16 2015: 248; Ebert & van Hees, 2015: 147; Weigmann, 2016: 878. *Scylliorhinus africanus*:  
17 Regan, 1908b: 456; Bigelow & Schroeder 1948b: 197. *Scylliorhinus africanus*:  
18 Thompson, 1914: 136; Gilchrist & Thompson, 1916: 270; Gilchrist, 1922b: 44; Barnard,  
19 1925: 39; Barnard, 1927: 1013; von Bonde, 1933: 41; von Bonde, 1934: 15; Barnard,  
20 1947: 16, pl. 3; Barnard, 1948: 342. *Conopoderma africanum*: Smith & Smith, 1966:  
21 25.

22 **South Africa voucher material:** SAIAB 2607, SAIAB 2869, SAIAB 6003, SAIAB  
23 6278, SAIAB 7129, SAIAB 7130, SAIAB 7131, SAIAB 7132, SAIAB 7133, SAIAB



1 7825, SAIAB 11428, SAIAB 11959, SAIAB 12849, SAIAB 13129, SAIAB 13148,  
2 SAIAB 13149, SAIAB 16730, SAIAB 17034, SAIAB 19991, SAIAB 25343, SAIAB  
3 25344, SAIAB 25345, SAIAB 26307, SAIAB 26477, SAIAB 26478, SAIAB 26479,  
4 SAIAB 26480, SAIAB 26481, SAIAB 26880, SAIAB 26885, SAIAB 27021, SAIAB  
5 41531, SAIAB 41533, SAIAB 41540, SAIAB 48498, SAIAB 53687, SAIAB 55004,  
6 SAIAB 55512, SAIAB 99202, SAIAB 99203. SAM 28624, SAM 28633, SAM 29304,  
7 SAM 32571.

8 **South African distribution:** Endemic. Granger Bay, Table Bay (WC) to just north of  
9 East London (EC) (Human, 2006a). Records from outside South Africa are dubious and  
10 require confirmation.

11 **Remarks:** Human (2006a) provides a detailed discussion on the synonymy of this  
12 distinctive catshark. This species has been reported from Madagascar and Mauritius  
13 (Fricke, 1999a; Fricke *et al.*, 2018), but it would seem implausible for a shallow, coastal  
14 species to cross such a great distance to reach either location. More likely these records  
15 were erroneous in their location as suggested by Human (2006a).

16 **Conservation status:** LC (2020).

17

18 ***Poroderma pantherinum* (Smith, in Müller & Henle, 1838c)**

19 Leopard Catshark

20 *Scyllium pantherinum* Smith, in Müller & Henle, 1838c: 13. Syntypes: BMNH 1845.7.3.145 (stuffed);  
21 RMNH uncatalogued (1, lost); UTZI uncatalogued (1, lost). According to Fricke *et al.* (2020) appeared first  
22 as name only in Smith, 1838: 85.

23 **Local synonymy:** *Poroderma pantherinum*: Smith, 1837: 85 (name only); Smith, in  
24 Müller & Henle, 1838c: 13; Garman, 1913: 70; Fowler, 1925b: 189; Fowler, 1941: 37;

1 Smith 1949a: 53, fig. 33; Smith, 1965: 53, fig. 33; Bass *et al.*, 1975a: 30, fig. 18;  
2 Springer, 1979: 114; Compagno, 1984b: 349, fig.; Bass, 1986: 95, fig. 11.15, pl. 3;  
3 Compagno, 1988a: 117; Compagno *et al.*, 1989: 48, pl.; Compagno, 1999: 119; Heemstra  
4 & Heemstra, 2004: 67; Compagno *et al.*, 2005: 243, fig., pl. 39; Human, 2006a: 6, fig. 3;  
5 Ebert *et al.*, 2013a: 370, fig., pl. 50; Mann, 2013: 187; NPOA, 2013: 47; da Silva *et al.*,  
6 2015: 248; Ebert & van Hees, 2015: 147; Weigmann, 2016: 878. *Poroderma*  
7 *submaculatum* Smith, 1837: 85 (name only). *Poroderma variegatum* Smith, 1837: 85  
8 (name only). *Scyllium leopardinum* Müller & Henle, 1838c: 13 (Fowler, 1941: 38  
9 attributes this name to Van Horst *in* Müller & Henle, although no reference to Van Horst  
10 is given in Müller & Henle). *Scyllium maeandrinum* von Rapp *in* Müller & Henle, 1838c:  
11 13. *Scyllium variegatum* Smith *in* Müller & Henle, 1838c: 14; Smith, 1849: 11, fig. 3, pl.  
12 25; Duméril 1853: 83; Bleeker 1878: 1, 8; Sauvage 1891: 511. *Scyllium pantherinum*:  
13 Smith *in* Müller & Henle, 1838c: 13; Smith 1849: 11, fig. 2, pl. 25; Gray, 1851: 31;  
14 Bleeker, 1860: 57; Duméril, 1865: 322; Gilchrist, 1902: 164. *Scyllium africanum*:  
15 Günther, 1870: 405; Lampe, 1914: 209. *Scyllium africanum* var. *pantherina*: Günther,  
16 1870: 405; Lampe, 1914: 212. *Scyllium africanum* var. *striata*: Günther, 1870: 405;  
17 Lampe, 1914: 212. *Scyllium africanum* var. *variegata*: Günther, 1870: 405; Lampe, 1914:  
18 212. *Scyliorhinus pantherinus*: Regan, 1908b: 456. *Scyllium africanum* var. *punctata*  
19 Lampe, 1914: 212. *Scyliorhinus pantherinus*: Smith, 1849: 11, fig. 2, pl. 25; Thompson,  
20 1914: 138; Gilchrist & Thompson, 1916: 270; Gilchrist, 1922a: 4; Barnard, 1925: 40, fig.  
21 5, pl. 2; Barnard, 1927: 1013. *Scyliorhinus regani*: Fowler, 1925b: 188, fig. 1; Fowler,  
22 1926: 32, fig. 3, not *Holohalaelurus regani* (Gilchrist, 1922b). *Poroderma marleyi*  
23 Fowler, 1934a: 234 (original description); Fowler, 1941: 38; Bigelow & Schroeder,

1 1948b: 197; Smith, 1949a: 53, pl. 2; Springer & Garrick, 1964: 86; Smith, 1965: 53, pl.  
2 2; Bass *et al.*, 1975a: 29, fig. 17; Springer, 1979: 114; Compagno, 1984b: 348, fig.; Bass,  
3 1986: 94, fig. 11.14; Compagno, 1988a: 118; Human, 2006a: fig. 5. *Scyliorhinus*  
4 *leopardus*: Fowler, 1935: 361. *Conopoderma pantherinum*: Bigelow & Schroeder,  
5 1948b: 197.

6 **South Africa voucher material:** SAIAB 5910, SAIAB 6000, SAIAB 6001, SAIAB  
7 6002, SAIAB 10273, SAIAB 10372, SAIAB 10737, SAIAB 11960, SAIAB 12016,  
8 SAIAB 13130, SAIAB 16728, SAIAB 17326, SAIAB 17783, SAIAB 18179, SAIAB  
9 19992, SAIAB 25181, SAIAB 25214, SAIAB 25215, SAIAB 25216, SAIAB 25217,  
10 SAIAB 25336, SAIAB 25921, SAIAB 25921, SAIAB 25928, SAIAB 26283, SAIAB  
11 26284, SAIAB 26285, SAIAB 26286, SAIAB 26287, SAIAB 26288, SAIAB 26289,  
12 SAIAB 26441, SAIAB 26442, SAIAB 26443, SAIAB 27206, SAIAB 27207, SAIAB  
13 27649, SAIAB 34577, SAIAB 37057, SAIAB 39990, SAIAB 48495, SAIAB 53684,  
14 SAIAB 53685, SAIAB 189034.

15 **South African distribution:** Endemic. Saldanha Bay (WC) to Durban (KZN), but most  
16 common on the south and southeast coasts (Human, 2006a).

17 **Remarks:** Fowler (1934a) described a new *Poroderma* species (*P. marleyi*) based on an  
18 extreme color morph from off Durban. However, examination of additional color morphs  
19 throughout its range reveals this species to be a junior synonym of *P. pantherinum*  
20 (Human, 2006a). Furthermore, it appears that “marleyi” color morph occurs at the  
21 extreme ends of its range, both in the Saldaha (WC) and KZN areas (D.A. Ebert, unpubl.  
22 data)

23 **Conservation status:** LC (2020).

1

2 **Genus *Scyliorhinus* Blainville, 1816**

3 *Scyliorhinus* (subgenus of *Squalus*) Blainville, 1816: 121. Type species: *Scyliorhinus canicula* (Linnaeus,  
4 1758). Type by subsequent designation.

5

6 ***Scyliorhinus capensis* (Müller & Henle, 1838c)**

7 Yellowspotted Catshark

8 *Scyllium capense* Müller & Henle, 1838c: 11. Lectotype: BMNH 1845.7.3.141 (lectotype designated by  
9 Soares & de Carvalho, 2019). Type locality: Cape of Good Hope, Western Cape Province, South Africa.

10 **Local synonymy:** *Scyllium capense*: Smith, 1837: 85 (name only); Müller & Henle,  
11 1838c: 11; Gray, 1851: 31; Bleeker, 1860b: 57; Duméril, 1865: 320; Günther, 1870: 404;  
12 Gilchrist, 1902: 165 (listed, “Cape Seas”). *Scyliorhinus capensis*: Regan, 1908b: 458;  
13 Fowler, 1941: 35; Smith, 1949a: 54, fig. 38, pl. 2; Smith, 1965: 54, fig. 38, pl. 2; Bass *et*  
14 *al.*, 1975a: 32, fig. 19; Springer, 1979: 132, fig. 84; Compagno, 1984b: 359, fig.; Bass,  
15 1986: 95, figs. 11, 16, pl. 3; Compagno, 1988a: 122; Compagno, 1988b: 606, figs. 2, 6b,  
16 7b, 8c–d (compared to *S. comoroensis*); Compagno *et al.*, 1989: 46, pl.; Compagno *et al.*,  
17 1991: 83; Ebert *et al.*, 1996: 236; Compagno, 1999: 119; Compagno *et al.*, 2005: 248,  
18 fig., pl. 41; Ebert *et al.*, 2006: 1053; Ebert, 2013: 186, fig. 250; Ebert *et al.*, 2013a: 379,  
19 fig., pl. 51; Ebert & Mostarda, 2013: 66, fig.; Ebert, 2015: 153, fig. 167; Ebert &  
20 Mostarda, 2015: 48, fig.; NPOA, 2013: 47; da Silva *et al.*, 2015: 248; Ebert & van Hees,  
21 2015: 147; Weigmann, 2016: 879 (listed); Soares & de Carvalho, 2019: 32. *Catulus*  
22 *capensis*: Garman, 1913: 74. *Scylliorhinus capensis*: Thompson, 1914: 137; Gilchrist,  
23 1921: 71 (listed, Cape of Good Hope); Gilchrist, 1922b: 45; von Bonde, 1923: 5;  
24 Barnard, 1925: 40, fig. 8b; von Bonde, 1934: 15; Barnard, 1947: 16, fig. 1, pl. 3.

1 *Scyliorhinus (Scyliorhinus) capensis*: Norman, 1935: 36. *Haploblepharus capensis*:  
2 White, 1937: 121.

3 **South Africa voucher material**: Lectotype: BMNH 1845.7.3.141. Paralectotypes:  
4 BMNH 1845.7.3.144; BMNH 1953.5.10.2. Soares & de Carvalho (2019) lists 81  
5 additional institutional specimens in appendix.

6 **South African distribution**: Most common in the west from the Orange River (NC) to  
7 Cape Agulhas (WC), but does extend at least to Waterloo Bay (EC) (Soares & de  
8 Carvalho, 2019) where it is uncommon, and with a record of one specimen from KZN  
9 (Bass *et al.*, 1975a; Compagno *et al.*, 1989).

10 **Remarks**: *Scyliorhinus capensis* is a near endemic to South Africa, although there is at  
11 least one record of this species from southwest of Lüderitz, southern Namibia  
12 (Compagno *et al.*, 1991).

13 **Conservation status**: NT (2020).

14

15 **Family Proscylliidae Fowler, 1941**

16 Finback Catsharks

17 **Genus *Eridacnis* Smith, 1913**

18 Ribbontail Catsharks

19 *Eridacnis* Smith, 1913: 599. Type species: *Eridacnis radcliffei* Smith, 1913. Type by original designation  
20 (also monotypic).

21

22 ***Eridacnis sinuans* (Smith, 1957a)**

23 African Ribbontail Catshark

1 *Neotriakis sinuans* Smith, 1957a: 262, Fig. 2 Holotype: SAIAB [formerly RUSI] 31. Off Durban,  
2 KwaZulu-Natal, South Africa, southwestern Indian Ocean.

3 **Local synonymy:** *Neotriakis sinuans* Smith, 1957a: 262, fig. 2 (original description, off  
4 Durban, KwaZulu-Natal, South Africa); Smith, 1961a: 565, fig. 16a, pl. 108; Smith,  
5 1964: 284; Smith, 1965: 565, fig. 16a, pl. 108. *Eridacnis sinuans*: Bass *et al.*, 1975b: 12,  
6 fig. 6; Compagno, 1984b: 374, fig.; Bass & Compagno, 1986: 88, fig. 10.3; Compagno,  
7 1988a: 185; Compagno *et al.*, 1989: 54, pl.; Compagno, 1999: 119; Compagno *et al.*,  
8 2005: 256, fig., pl. 43; Ebert, 2013: 191, fig. 257; Ebert *et al.*, 2013a: 389, fig., pl. 53;  
9 Ebert & Mostarda, 2013: 68, fig.; Ebert & van Hees, 2015: 145; Weigmann, 2016: 865.

10 **South Africa voucher material:** Holotype: SAIAB [former RUSI] 31. Non-types:  
11 SAIAB 6095 [ex ORI 1533], SAIAB 6098 [ex ORI 1023], SAIAB 6099 [ex ORI 1529],  
12 SAIAB 6100 [ex ORI 1485], SAIAB 6102 [ex ORI 1107], SAIAB 6103 [ex ORI 1108],  
13 SAIAB 6749 [ex ORI 1311], SAIAB 6750 [ex ORI 1314], SAIAB 6751 [ex ORI 1318],  
14 SAIAB 6752 [ex ORI 1504], SAIAB 6753 [ex ORI 1507], SAIAB 6754 [ex ORI 1580],  
15 SAIAB 6755 [ex ORI 1581], SAIAB 6756 [ex ORI 1583], SAIAB 6757 [ex ORI 1589],  
16 SAIAB 6758 [ex ORI 163], SAIAB 6759 [ex ORI 1827], SAIAB 6760 [ex ORI 1865],  
17 SAIAB 39887.

18 **South African distribution:** Central to northern KZN.

19 **Remarks:** Smith (1957a) described a new genus (*Neotriakis*) for this species, but  
20 subsequent reviews determined it to be in the genus *Eridacnis* (Compagno, 1970, 1984b,  
21 1988a; Bass *et al.*, 1975b). The species appears to be relatively common in KZN waters,  
22 but also occurs off Mozambique and Tanzania.

23 **Conservation status:** LC (2019).

24

1 **Family Triakidae Gray, 1851**

2 Houndsharks

3 **Genus *Galeorhinus* Blainville, 1816**

4 Tope Sharks

5 *Galeorhinus* (subgenus of *Squalus*) Blainville, 1816: 121. Type species: *Squalus galeus* Linnaeus, 1758.

6 Type by subsequent designation.

7

8 ***Galeorhinus galeus* (Linnaeus, 1758)**

9 Soupfin Shark

10 *Squalus galeus* Linnaeus, 1758: 234. No known types. Neotype designated by Fricke, 1999a: 16, but  
11 withdrawn in Fricke, 2000: 639. Type locality: Mediterranean Sea and Northeastern Atlantic [original: “in  
12 Oceano Europe”].

13 **Local synonymy:** *Galeus canis*: Gray, 1851: 52; Gilchrist 1902: 163. *Galeorhinus canis*:  
14 Thompson, 1914: 140; Barnard, 1925: 28, fig. 3, pl. 1; von Bonde, 1933: 40; von Bonde,  
15 1934: 14. *Galeorhinus galeus*: Fowler, 1936: 57, fig. 14; Fowler, 1941: 190; Barnard,  
16 1947: 10, figs. 5, 5a, pl. 1; Smith, 1949a: 44; fig. 15; Smith, 1957b: 586, fig. 1, pl. 18;  
17 D’Aubrey, 1964a: 21, pl. 7; Davies, 1964: 48; Smith, 1965: 44; fig. 15; Smith & Smith,  
18 1966: 21, fig.; Bass *et al.*, 1975b: 20, fig. 14, pl. 1; van der Elst, 1981: 40, fig.;  
19 Compagno, 1984b: 386, fig.; Bass *et al.*, 1986: 78, fig. 9.20; Compagno, 1988a: 249;  
20 Compagno *et al.*, 1989: 56, pl.; Compagno *et al.*, 1991: 84; Compagno, 1999: 119;  
21 Heemstra & Heemstra, 2004: 63; Compagno *et al.*, 2005: 262, fig., pl. 44; Ebert *et al.*,  
22 2013a: 408, fig., pl. 46; Mann, 2013: 287; NPOA, 2013: 43; da Silva *et al.*, 2015: 248;  
23 Ebert & van Hees, 2015: 145; Compagno, 2016: 1276; Weigmann, 2016: 882.

24 **South Africa voucher material:** SAIAB 2732, SAIAB 6834, SAIAB 6835, SAIAB

1 6836, SAIAB 6837, SAIAB 11429, SAIAB 11430, SAIAB 11962, SAIAB 11963,  
2 SAIAB 12122, SAIAB 12819, SAIAB 12832, SAIAB 12979, SAIAB 25596, SAIAB  
3 27023, SAIAB 39371, SAIAB 41964, SAIAB 41965, SAIAB 44246, SAIAB 46923,  
4 SAIAB 99193, SAIAB 99194, SAIAB 99195, SAIAB 99196.

5 **South African distribution:** The Orange River (NC) to East London (EC).

6 **Remarks:** Although wide-ranging globally, within the southern African region, this  
7 species appears to be mostly confined to South African waters, with only a few records  
8 north of the Orange River in Namibian waters. A highly migratory species, it shows  
9 strong segregation by sex and size (Compagno *et al.*, 1991).

10 **Conservation status:** CR (2020).

11

12 **Genus *Hypogaleus* Smith, 1957b**

13 Pencil Sharks

14 *Hypogaleus* Smith, 1957b: 589, pl. 19. Subgenus of *Galeorhinus* Blainville, 1816. Type species:  
15 *Galeorhinus (Hypogaleus) zanzibarensis* Smith, 1957b, by original designation (also monotypy); a junior  
16 synonym of *Hypogaleus hyugaensis* (Miyosi, 1939).

17

18 ***Hypogaleus hyugaensis* (Miyosi, 1939)**

19 Pencil Shark

20 *Eugaleus hyugaensis* Miyosi, 1939: 91, fig. 1. Holotype (unique): MGHSJ (lost). Type locality: off Hyuga  
21 Nada, east coast of Miyazaki Prefecture, Japan.

22 **Local synonymy:** *Galeorhinus zanzibarensis*: D'Aubrey, 1964a: 22, pl. 8. *Hypogaleus*  
23 *hyugaensis*: Bass *et al.*, 1975b: 22, fig. 15; Compagno, 1984b: 394, fig.; Bass *et al.*, 1986:  
24 79, fig. 9.22; Compagno, 1988a: 15; Compagno *et al.*, 1989: 56, pl.; Compagno, 1999:



1 119; Compagno *et al.*, 2005: 265, fig., pl. 44; Ebert *et al.*, 2013a: 412, fig., pl. 54; Ebert  
2 & van Hees, 2015: 145; Weigmann, 2016: 882.

3 **South Africa voucher material:** SAIAB 6163, SAIAB 6215 [ex ORI 2692], SAIAB  
4 6217 [ex ORI 2928], SAIAB 10113, SAIAB 99086, SAIAB 99087, SAIAB 99088.

5 **South African distribution:** The entire KZN coast.

6 **Remarks:** Smith (1957b) described the genus *Hypogaleus* in his description of *H.*  
7 *zanzibarensis* from Zanzibar, but Bass *et al.* (1975b) found no differences between it and  
8 the western North Pacific *H. hyugaensis*. Subsequent authors (Compagno, 1984b; 1988a)  
9 concurred with those findings and consider the genus to be monotypic with *H. hyugaensis*  
10 taking precedence.

11 **Conservation status:** LC (2016).

12

### 13 **Genus *Mustelus* Linck, 1790**

14 Houndsharks

15 *Mustelus* Linck, 1790: 31. Type species: *Squalus mustelus* Linnaeus, 1758, by subsequent designation by  
16 the ICZN (Opinion 93: 1925: 5).

17 **Remarks:** The genus *Mustelus* in South African waters, like many other regions, is very  
18 convoluted and confused due to poor characteristics separating species, misidentification  
19 of local species, and new or previously unknown species. Bass *et al.* (1975b) noted the  
20 confusion within the genus. Therefore, the local synonymy for each of the species  
21 occurring in South African should be treated with caution until a more thorough study has  
22 been undertaken.

23

24 ***Mustelus mosis* Hemprich & Ehrenberg, 1899**

1 Hardnose Houndshark

2 *Mustelus mosis* Hemprich & Ehrenberg, 1899: 8, pl. 7 (fig. 3 + a–d). Syntypes: ZMB 4501 (1). Type  
3 locality: Red Sea.

4 **Local synonymy:** *Mustelus mosis*: Bass et al., 1986: 82, fig. 9.26; Compagno, 1988a:  
5 223; Compagno et al., 1989: 58, pl.; Compagno, 1999: 119; Heemstra & Heemstra, 2004:  
6 64; Compagno et al., 2005: 275, fig., pl. 48; Ebert et al., 2013a: 421, fig., pl. 58; NPOA,  
7 2013: 44; da Silva et al., 2015: 248; Ebert & van Hees, 2015: 145; Weigmann, 2016: 885.

8 **South Africa voucher material:** SAIAB 6229, SAIAB 7979, SAIAB 9499, SAIAB  
9 10739, SAIAB 19387.

10 **South African distribution:** KZN from about Durban to the border with Mozambique.

11 **Remarks:** Van der Elst (1981) tentatively identified this species as *Mustelus canis* (non  
12 Mitchill), a western North Atlantic species, but Bass et al. (1986) subsequently identified  
13 it as *M. mosis*. Although its range in South African waters is only from about Durban  
14 north to Kosi Bay, it appears to have a very large regional range, occurring into the  
15 northern Indian Ocean (assuming it is the same species). A detailed revision of the WIO  
16 *Mustelus* is needed to clarify the status of this and other species in the region.

17 **Conservation status:** NT (2019).

18

19 ***Mustelus mustelus* (Linnaeus, 1758)**

20 Smooth Houndshark

21 *Squalus mustelus* Linnaeus, 1758: 235. No known types. Type locality: Mediterranean Sea and  
22 Northeastern Atlantic [original: “in Oceano Europe”].

23 **Local synonymy:** *Mustelus laevis*: Gilchrist, 1902: 163 (in part, including *Triakis*  
24 *megalopterus*); Thompson, 1914: 142 (in part, including *Triakis megalopterus*); Barnard,

1 1925: 29 (in part, including *Triakis megalopterus*). *Mustelus manazo*: Smith, 1949a: 45  
2 (in part?); Smith, 1957c: 357 (in part?); Smith, 1965: 45 (in part?). *Mustelus punctulatus*:  
3 Smith, 1949a: 45 (in part). *Mustelus canis*: Fowler, 1936: 61 (in part); Fowler, 1941: 204  
4 (in part); Smith, 1949a: 46 (in part); Smith, 1965: 46 (in part). *Mustelus mustelus*: Smith,  
5 1949a: 46 (in part); Compagno, 1984b: 419, fig.; Bass *et al.*, 1986: 82, fig. 9.27;  
6 Compagno, 1988a: 223; Compagno *et al.*, 1989: 58, pl.; Compagno *et al.*, 1991: 85;  
7 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 64; Compagno *et al.*, 2005: 275,  
8 fig., pl. 46; Ebert *et al.*, 2013a: 422, fig., pl. 56; Mann, 2013: 289; NPOA, 2013: 44; da  
9 Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 145; Compagno, 2016: 1279;  
10 Weigmann, 2016: 885.

11 **South Africa voucher material:** SAIAB 2741, SAIAB 2884, SAIAB 6198, SAIAB  
12 6259, SAIAB 6261, SAIAB 6262, SAIAB 7848, SAIAB 10609, SAIAB 10725, SAIAB  
13 11929, SAIAB 12146, SAIAB 12330, SAIAB 12352, SAIAB 19393, SAIAB 19790,  
14 SAIAB 26445, SAIAB 30333, SAIAB 38495, SAIAB 46917, SAIAB 46918, SAIAB  
15 46919, SAIAB 48503, SAIAB 48577, SAIAB 51204, SAIAB 56971, SAIAB 98651,  
16 SAIAB 200110, SAIAB 200627, SAIAB 202975.

17 **South African distribution:** The Orange River (NC) to KZN.

18 **Remarks:** A very common coastal houndshark, it has a very wide range, occurring from  
19 South Africa to European Atlantic waters and into the Mediterranean Sea. Recent  
20 molecular research has revealed that at least two subpopulations exist for this species, one  
21 west to the west of Cape Agulhas and another to the east (Maduna *et al.*, 2016). During a  
22 long-term series of bottom trawl surveys by the F.R.S. *Africana* this species was never  
23 encountered at depths >50 m (Compagno *et al.*, 1991). It is one of the most common

1 species caught locally by shore anglers.

2 **Conservation status:** VU (2009).

3

4 ***Mustelus palumbes* Smith, 1957c**

5 Whitespotted Houndshark

6 *Mustelus palumbes* Smith, 1957c: 358, figs. 1e–f. Holotype: SAIAB [former RUSI] 24. Type locality:

7 Knysna Estuary, Western Cape Province, South Africa.

8 **Local synonymy:** *Mustelus vulgaris*: ?Bleeker, 1860b: 57; ?Gilchrist, 1902: 163; von

9 Bonde, 1923: 4. *Mustelus canis*: Thompson, 1914: 141; Barnard, 1925: 30; Norman,

10 1935: 36; Smith, 1949a: 46 (in part); Smith, 1965: 46 (in part). *Mustelus mustelus*:

11 Fowler, 1936: 61 (in part); Fowler, 1941: 207 (in part); Smith, 1949a: 46 (in part); Smith,

12 1965: 46 (in part). *Mustelus manazo*: Smith, 1949a: 45 (in part?); Smith, 1957c: 357 (in

13 part?); Smith, 1965: 45 (in part?). *Mustelus palumbes*: Smith, 1965: 565; Smith & Smith,

14 1966: 22, fig.; Compagno, 1984b: 422, fig.; Bass *et al.*, 1986: 82, fig. 9.28, pl. 4;

15 Compagno, 1988a: 223; Compagno *et al.*, 1989: 58, pl.; Compagno *et al.*, 1991: 87;

16 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 64; Compagno *et al.*, 2005: 277,

17 fig., pl. 46; Ebert *et al.*, 2013a: 423, fig., pl. 56; NPOA, 2013: 44; da Silva *et al.*, 2015:

18 248; Ebert & van Hees, 2015: 146; Compagno, 2016: 1281; Weigmann, 2016: 885.

19 **South Africa voucher material:** SAIAB 24, SAIAB 6070, SAIAB 6228, SAIAB 6230,

20 SAIAB 6231, SAIAB 6232, SAIAB 6260, SAIAB 8370, SAIAB 10724, SAIAB 11964,

21 SAIAB 12000, SAIAB 12118, SAIAB 12120, SAIAB 12123, SAIAB 12124, SAIAB

22 12125, SAIAB 12126, SAIAB 12127, SAIAB 12128, SAIAB 12129, SAIAB 12804,

23 SAIAB 12806, SAIAB 19391, SAIAB 21883, SAIAB 21884, SAIAB 21885, SAIAB

24 25184, SAIAB 25185, SAIAB 25328, SAIAB 25329, SAIAB 25330, SAIAB 25331,

1 SAIAB 25332, SAIAB 25333, SAIAB 25335, SAIAB 26640, SAIAB 44190, SAIAB  
2 46920, SAIAB 48506, SAIAB 99365, SAIAB 99366, SAIAB 99367, SAIAB 99382,  
3 SAIAB 189111.

4 **South African distribution:** The Orange River (NC) to central KZN.

5 **Remarks:** This relatively common houndshark species tends to occur mostly at depths  
6 over 70 m, while its two closest congeners, *M. mustelus* and *T. megalopterus*, both occur  
7 coastally at depths less than 50 m (Compagno *et al.*, 1991).

8 **Conservation status:** LC (2020).

9

## 10 **Genus *Scylliogaleus* Boulenger, 1902**

11 Flapnose Houndsharks

12 *Scylliogaleus* Boulenger, 1902: 51. Type species: *Scylliogaleus queckettii* Boulenger, 1902. Type by  
13 monotypy.

14

## 15 ***Scylliogaleus queckettii* Boulenger, 1902**

16 Flapnose Houndshark

17 *Scylliogaleus queckettii* Boulenger, 1902: 51, pl. 4. Holotype (unique): BMNH 1903.2.6.21. Type locality:  
18 off Umkomaas, KwaZulu-Natal, South Africa, southwestern Indian Ocean.

19 **Local synonymy:** *Scylliogaleus queckettii*: Boulenger, 1902: 51, pl. 4; Garman, 1913:  
20 179; Fowler, 1941: 210; Barnard, 1947: 10, fig. 7, pl. 1; Smith, 1950: 878; Smith, 1957c:  
21 353, figs. 1a, b; Bass *et al.*, 1975b: 13, fig. 8; Compagno, 1984b: 427, fig.; Bass *et al.*,  
22 1986: 85, fig. 9.34; Compagno, 1988a: 16; Compagno *et al.*, 1989: 56, pl.; Compagno,  
23 1999: 119; Compagno *et al.*, 2005: 280, fig., pl. 45; Ebert *et al.*, 2013a: 427, fig., pl. 55;  
24 Ebert & van Hees, 2015: 146, Weigmann, 2016: 886. *Scylliogaleus queckettii*: Boulenger,

1 1903: 63; Gilchrist & Thompson, 1916: 283; Barnard, 1925: 31, pl. 1; Barnard, 1927:  
2 1013; von Bonde, 1934: 14; Smith, 1949a: 44; fig. 16; Smith, 1965: 44; fig. 16.

3 **South Africa voucher material:** SAIAB 6096 [ex ORI 2096], SAIAB 6097 [ex ORI  
4 1121], SAIAB 6109 [ex ORI 2096], SAIAB 6110 [ex ORI 2587], SAIAB 6213 [ex ORI  
5 754], SAIAB 6214 [ex ORI 2586], SAIAB 6227, SAIAB 6978 [ex ORI 2074], SAIAB  
6 6979 [ex ORI 2096], SAIAB 6980 [ex ORI 1121], SAIAB 12822, SAIAB 12977, SAIAB  
7 14915, SAIAB 16308, SAIAB 19430, SAIAB 99204, SAIAB 99205.

8 **South African distribution:** Endemic. Known only from East London (EC) to Richards  
9 Bay (KZN).

10 **Remarks:** This species has a very restricted nearshore coastal distribution.

11 **Conservation status:** VU (2019).

12

### 13 **Genus *Triakis* Müller & Henle, 1838a**

14 Leopard Sharks

15 *Triakis* Müller & Henle, 1838a: 36. Type species: *Triakis scyllium* Müller & Henle, 1839, by subsequent  
16 monotypy; appeared first without species.

17

### 18 ***Triakis megalopterus* (Smith, 1839)**

19 *Mustelus megalopterus* Smith, 1839: no pagination, pl. 2. Syntypes: BMNH 1845.7.3.149 (1), BMNH  
20 1845.7.3.159 (1). Type locality: Cape Town, South Africa, southeastern Atlantic.

21 **Local synonymy:** *Mustelus megalopterus*: Smith, 1839: no pagination, pl. 2; Gray, 1851:  
22 58; Bleeker, 1860b: 57; Smith, 1957c: 357, fig. 21. *Mustelus natalensis*: Steindachner,  
23 1866: 482, pl. 1; Thompson, 1914: 143; Smith, 1957c: 357, fig. 26g, h, i. *Mustelus laevis*  
24 (in part): Günther, 1870: 385; Gilchrist, 1902: 163; Thompson, 1914: 142; Barnard, 1925:

1 29. *Mustelus punctatus*: Smith, 1949a: 45, fig. 18. *Mustelus nigropunctatus*: Smith,  
2 1949a: 45, fig. 18; Smith, 1952a: 223, pl. 13; Smith, 1957c: 357, fig. 23k. *Triakis*  
3 *natalensis*: Bass *et al.*, 1975b: 17, fig. 11. *Triakis megalopterus*: Bass *et al.*, 1975b: 16,  
4 fig. 10; Compagno, 1984b: 430, fig.; Bass *et al.*, 1986: 86, fig. 9.36; Compagno, 1988a:  
5 214; Compagno *et al.*, 1989: Heemstra & Heemstra, 2004: 65; Compagno *et al.*, 2005:  
6 282, fig., pl. 45; Ebert *et al.*, 2013a: 429, fig., pl. 55; Mann, 2013: 291; NPOA, 2013: 45;  
7 da Silva *et al.*, 2015: 248; Ebert & van Hees, 2015: 146; Compagno, 2016: 1283;  
8 Weigmann, 2016: 886.

9 **South Africa voucher material:** SAIAB [formerly RUSI] 424 (Holotype of *Mustelus*  
10 *nigropunctatus*). SAIAB 6208, SAIAB 6270, SAIAB 7978, SAIAB 12568, SAIAB  
11 19392, SAIAB 19594, SAIAB 19792, SAIAB 19994, SAIAB 200309, SAIAB 200329,  
12 SAIAB 26298, SAIAB 27022, SAIAB 38496, SAIAB 46948, SAIAB 51228, SAIAB  
13 2418 (accessioned as *Mustelus natalensis*), SAIAB 98942 (accessioned as *Mustelus*  
14 *nigropunctatus*).

15 **South African distribution:** The Orange River (NC) to Coffee Bay, Transkei coast (EC).

16 **Remarks:** A large-bodied houndshark, *T. megalopterus* is a common nearshore species  
17 found almost exclusively at depths of less than 50 m.

18 **Conservation status:** LC (2020).

19

## 20 **Family Hemigaleidae Hasse, 1879**

21 Weasel Sharks

## 22 **Genus *Hemipristis* Agassiz, 1843**

23 Snaggletooth Sharks

24 *Hemipristis* Agassiz, 1835: pl. 27 (fig. 18–38). Type species: *Hemipristis serra* Agassiz, 1835. Type by

1 subsequent designation, based on a fossil type species. First appeared in 1835 in plate volume, as pl. 27,  
2 with a description following later in 1843: v. 3, pp. 237, 302. According to Fricke *et al.* (2020) authorship  
3 should be ascribed to Agassiz, 1835 and not 1843 as often dated.

4

5 ***Hemipristis elongata* (Klunzinger, 1871)**

6 Snaggletooth Shark

7 *Dirrhizodon elongatus* Klunzinger, 1871: 665. Holotype: SMNS 1640 (dry); probably lost. Type locality:  
8 Al-Qusair, Egypt, Red Sea.

9 **Local synonymy:** *Hemipristis elongatus*: Bass *et al.*, 1975b: 29, fig. 18; Compagno,  
10 1984b: 440, fig.; Compagno, 1988a: 16; Compagno *et al.*, 1989: 60, pl.; Compagno,  
11 1999: 119; Compagno *et al.*, 2005: 285, fig., pl. 49. *Hemipristis elongata* Bass *et al.*,  
12 1986: 79, fig. 9.21; Ebert *et al.*, 2013a: 435, fig., pl. 60; Ebert & van Hees, 2015: 146;  
13 Weigmann, 2016: 863.

14 **South Africa voucher material:** No South African caught specimens are held at SAIAB  
15 or SAM.

16 **South African distribution:** Margate (KZN) is the southernmost extent of its range in  
17 South African waters (Bass *et al.*, 1975b).

18 **Remarks:** The species is occasionally observed in South African waters but appears to be  
19 more common to the north in East Africa.

20 **Conservation status:** VU (2016).

21

22 **Genus *Paragaleus* Budker, 1935**

23 Slender Weasel Sharks

24 *Paragaleus* Budker, 1935: 107. Type species: *Paragaleus grueveli* Budker, 1935, by monotypy.



1

2 ***Paragaleus leucolomatus* Compagno & Smale, 1985**

3 Whitefin Weasel Shark

4 *Paragaleus leucolomatus* Compagno & Smale, 1985: 9, figs. 2–8. Holotype (unique): SAIAB [formerly  
5 RUSI] 21175. Type locality: Southeast of Kosi Bay mouth, KwaZulu-Natal, South Africa, southwestern  
6 Indian Ocean, depth 20 m.

7 **Local synonymy:** *Paragaleus leucolomatus*: Compagno & Smale, 1985: 9, figs. 2–8;  
8 Bass *et al.*, 1986: 83, fig. 9.30; Compagno, 1988a: 35; Compagno *et al.*, 1989: 60, pl.;  
9 Compagno, 1999: 119; Compagno *et al.*, 2005: 286, fi.g, pl. 49; Ebert *et al.*, 2013a: 435,  
10 fig., pl. 60; Ebert & van Hees, 2015: 146; Weigmann, 2016: 863.

11 **South Africa voucher material:** Holotype: SAIAB 21175. A few other specimens are in  
12 the fish collections of SAIAB and SAM, but are uncatalogued.

13 **South African distribution:** Sodwana Bay to the KZN border with Mozambique.

14 **Remarks:** A rare species known from a few specimens caught between southern  
15 Mozambique and Sodwana Bay. Local beach anglers in northern KZN are familiar with  
16 this species, but release them if caught (R. Kyle, Oceanographic Research Institute, pers.  
17 comm.).

18 **Conservation status:** VU (2020).

19

20 **Family Carcharhinidae Jordan & Evermann, 1896**

21 Requiem Sharks

22 **Genus *Carcharhinus* Blainville, 1816**

23 Whaler Sharks

24 *Carcharhinus* (subgenus of *Squalus*) Blainville, 1816: 121. Type species: *Carcharias melanopterus* Quoy

1 & Gaimard, 1824, by subsequent designation of the ICZN.

2 **Remarks:** The taxonomic nomenclature of the *Carcharhinus* species in South Africa is  
3 very convoluted with numerous examples of misidentifications, new species descriptions  
4 that later were reduced to junior synonyms, and changes to the genus name. Therefore,  
5 caution is advised with the individual species synonymies. The synonymies presented  
6 were taken from primary literature sources, especially Bass *et al.* (1973, 1986) and  
7 Eschmeyer's Catalogue of Fishes (Fricke *et al.*, 2020), and from research by the present  
8 authors and discussions with knowledgeable individuals.

9

#### 10 ***Carcharhinus albimarginatus* (Rüppell, 1837)**

11 Silvertip Shark

12 *Carcharias albimarginatus* Rüppell, 1837: 164, pl. 18 (fig. 1). Lectotype: SMF 3582 (dry and mounted);  
13 lectotype designation by Rosenblatt & Baldwin (1958). Type locality: Ras Muhammad, Sinai, Egypt, Red  
14 Sea.

15 **Local synonymy:** *Carcharias albimarginatus*: Bass *et al.*, 1973: 17, fig. 6; Garrick,  
16 1982: 116, figs. 53–54; Compagno, 1984b: 455, fig.; Bass *et al.*, 1986: 69, fig. 9.1;  
17 Compagno, 1988a: 294; Compagno *et al.*, 1989: 70, pl.; Compagno, 1999: 119;  
18 Compagno *et al.*, 2005: 289, fig., pl. 52; Ebert *et al.*, 2013a: 457, fig., pl. 63; Ebert &  
19 Dando, 2014: 29, fig.; Ebert & van Hees, 2015: 146; Weigmann, 2016: 853.

20 **South Africa voucher material:** SAIAB 25353.

21 **South African distribution:** Northern KZN.

22 **Remarks:** Although widely distributed in the tropical Indo-Pacific, it was not widely  
23 reported from South African waters until Bass *et al.* (1973) commented that it was rather  
24 common on the northern KZN coast.

1 **Conservation status:** VU (2016).

2

3 ***Carcharhinus altimus* (Springer, 1950)**

4 Bignose Shark

5 *Eulamia altima* Springer, 1950: 9. Holotype: USNM 133828. Type locality: Cosgrove Reef, Key West,  
6 Florida, U.S.A.

7 **Local synonymy:** *Carcharhinus altimus*: D'Aubrey, 1964a: 35, pl. 18; Garrick, 1967: 89;  
8 Bass *et al.*, 1973: 20, fig. 7; Garrick, 1982: 142, figs. 64–65; Compagno, 1984b: 457, fig.;  
9 Bass *et al.*, 1986: 69, fig. 9.2; Compagno, 1988a: 317; Compagno *et al.*, 1989: 62, pl.;  
10 Compagno, 1999: 119; Heemstra & Heemstra, 2004: 57; Compagno *et al.*, 2005: 289,  
11 fig., pl. 57; Ebert, 2013: 206, fig. 274; Ebert *et al.*, 2013a: 456, fig., pl. 66; Ebert &  
12 Mostarda, 2013: 70, fig.; Ebert & Dando, 2014: 31, fig.; Ebert & van Hees, 2015: 146;  
13 Weigmann, 2016: 853.

14 **South Africa voucher material:** SAIAB 6219 [ex ORI 2678], SAIAB 10277, SAIAB  
15 26159.

16 **South African distribution:** Port Alfred (EC) to northern KZN.

17 **Remarks:** Usually an outer shelf and upper continental slope species, this species does  
18 occasionally come to the surface and inshore. A 242 cm TL specimen [SAIAB 26159]  
19 was caught at the surface 22 km off Kenton-on-Sea (EC) by a skiboat angler. It is rarely  
20 caught in the bather protective shark nets off KZN.

21 **Conservation status:** DD (2009).

22

23 ***Carcharhinus amblyrhynchos* (Bleeker, 1856)**

24 Grey Reef Shark

1 *Carcharias (Prionodon) amblyrhynchos* Bleeker, 1856: 467. Holotype: RMNH 7377 (head and skin). Type  
2 locality: near Solombo Island, Java Sea, Indonesia.

3 **Local synonymy:** *Carcharhinus spallanzani*: D'Aubrey, 1964a: 29, pl. 13; Bass *et al.*,  
4 1973: 77, fig. 31. *Carcharhinus amblyrhynchos*: Bass *et al.*, 1973: 79, fig. 32; Garrick,  
5 1982: 106, figs. 48–49; Bass *et al.*, 1986: 70, fig. 9.3; Compagno, 1988a: 315;  
6 Compagno, 1999: 119; Compagno *et al.*, 2005: 290, fig., pl. 52; Ebert *et al.*, 2013a: 458,  
7 fig., pl. 63; Ebert & Dando, 2014: 33, fig.; Ebert & van Hees, 2015: 146; Weigmann,  
8 2016: 854. *Carcharhinus wheeleri*: Garrick, 1982: 111, figs. 50–51; Compagno, 1984b:  
9 501, fig.; Bass *et al.*, 1986: 77, fig. 9.18; Compagno, 1988a: 319; Compagno *et al.*, 1989:  
10 66, pl.

11 **South Africa voucher material:** SAIAB 25352, SAIAB 27166.

12 **South African distribution:** Sodwana Bay and Kosi Bay, northern KZN.

13 **Remarks:** This species has a complicated nomenclatural history. D'Aubrey (1964a)  
14 referred to it as *C. spallanzani* and noted its occurrence from Sodwana Bay and northern  
15 KZN. Bass *et al.* (1973) listed both *C. amblyrhynchos* and *C. spallanzani* as separate  
16 species commenting that the former was rare in East Africa, while the latter occurred in  
17 the shallow waters of northern KZN. Garrick (1982) reviewed the issue and described it  
18 as a new species *C. wheeleri*. The name *C. wheeleri* was considered valid by subsequent  
19 authors (Bass *et al.*, 1986; Compagno *et al.*, 1989), but was later synonymized with *C.*  
20 *amblyrhynchos* (Bonfil & Abdallah, 2004). Naylor *et al.* (2012a) found molecular support  
21 for reviving *C. wheeleri* as a separate species while White (2012) stated that its status  
22 required further study. The use of *C. amblyrhynchos* is retained here, but with the caveat  
23 that the issue is still unresolved and should be investigated to clarify the validity of *C.*  
24 *wheeleri*.

1 **Conservation status:** NT (2009).

2

3 ***Carcharhinus amboinensis* (Müller & Henle, 1839)**

4 Pigeye Shark

5 *Carcharias (Prionodon) amboinensis* Müller & Henle, 1839: 40, pl. 19 (teeth). Holotype: RMNH D2582  
6 (skin). Type locality: Ambon Island, Indonesia.

7 **Local synonymy:** *Carcharhinus zambezensis*: Smith, 1952a: 857, fig. 1, pl.; Smith,  
8 1952e: 6, fig. 1; Smith, 1953: 42, fig. 9. *Carcharhinus leucas*: Davies, 1964: 32, pl. 25 (in  
9 part). *Carcharhinus amboinensis*: D'Aubrey, 1964a: 40, pl. 22; Bass *et al.*, 1973: 44, fig.  
10 16; Garrick, 1982: 91, fig. 42; Compagno, 1984b: 461, fig.; Bass *et al.*, 1986: 70, fig. 9.4;  
11 Cliff & Wilson, 1986: 15; Compagno, 1988a: 305; Compagno *et al.*, 1989: 64, pl.;  
12 Compagno, 1999: 120; Heemstra & Heemstra, 2004: 59; Compagno *et al.*, 2005: 291,  
13 fig., pl. 54; Ebert *et al.*, 2013a: 459, fig., pl. 70; NPOA, 2013: 40; da Silva *et al.*, 2015:  
14 246; Ebert & van Hees, 2015: 146; Weigmann, 2016: 854.

15 **South Africa voucher material:** SAIAB 6241 [ex ORI 2360], SAIAB 6250 [ex ORI  
16 769], SAIAB 57941, SAIAB 75556.

17 **South African distribution:** Algoa Bay (EC) to northern KZN.

18 **Remarks:** Although the species can be misidentified with *C. leucas*, it apparently  
19 occupies a slightly deeper habitat, from 30–60 m deep, and tends to avoid freshwater  
20 systems while *C. leucas* occurs generally in shallower waters (0–30 m) and utilizes rivers  
21 and estuaries (Bass *et al.*, 1973).

22 **Conservation status:** DD (2009).

23

24 ***Carcharhinus brachyurus* (Günther, 1870)**

1 Copper Shark

2 *Carcharias brachyurus* Günther, 1870: 369. Neotype: NMNZ P. 2262, female 2420 mm TL, off Wanganui,  
3 New Zealand; neotype designation by Garrick (1982); original type material in BMNH are apparently lost,  
4 and two Australian embryos referred to by Günther (1870) are actually *C. leucas* (see Garrick, 1982).

5 **Local synonymy:** *Carcharinus obscurus*: Barnard, 1925: 25 (misidentified). *Eulamia*  
6 *obscurus*: von Bonde, 1934: 14 (misidentified after Barnard, 1925). *Carcharhinus*  
7 *obscurus*: Bigelow & Schroeder, 1948b: 382, figs. 71–72 (in part, South African records  
8 refer to Barnard’s 1925 specimen). *Carcharhinus improvisus*: Smith, 1952c: 761, fig. 1  
9 (original description, Algoa Bay); Smith, 1952e: 6, fig. 3; Smith, 1953: 41, pl. 104;  
10 Smith, 1963, 364, figs. 1–3. *Carcharhinus ahenea*: Smith, 1962a: 28; D’Aubrey, 1964a:  
11 31, pl. 15. *Carcharhinus limbatus*: Doyle, 1964: 18, pl. *Carcharhinus brachyurus*: Bass  
12 *et al.*, 1973: 23, fig. 8; Garrick, 1982: 171, figs. 78–81; Compagno, 1984b: 464, fig.; Bass  
13 *et al.*, 1986: 71, fig. 9.5, pl. 2; Cliff & Wilson, 1986: 21; Compagno, 1988a: 316;  
14 Compagno, *et al.*, 1989: 62, pl.; Compagno, 1999: 120; Heemstra & Heemstra, 2004: 57;  
15 Compagno *et al.*, 2005: 292, fig., pl. 61; Ebert *et al.*, 2013a: 461, fig., pl. 67; Mann, 2013:  
16 31; NPOA, 2013: 40; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 146;  
17 Compagno, 2016: 1299; Weigmann, 2016: 854.

18 **South Africa voucher material:** SAIAB 6121, SAIAB 6347, SAIAB 10442, SAIAB  
19 10722, SAIAB 12820, SAIAB 13024, SAIAB 14864, SAIAB 27580, SAIAB 30170,  
20 SAIAB 44231, SAIAB 201711, SAIAB 202978.

21 **South African distribution:** Almost the entire coast from the Orange River (NC) to  
22 central KZN.

23 **Remarks:** This species has a long checkered nomenclatural history. Barnard (1925) first  
24 recorded *C. brachyurus* in South African waters based on a specimen from Table Bay

1 (WC), however, he had misidentified it as *C. obscurus*. The name *C. obscurus* appeared  
2 in the literature until Smith (1952b) described a new species, *C. improvisus* from Algoa  
3 Bay. Smith (1962a) later recorded this species as *C. ahenea* from False Bay (WC) and  
4 considered them different species. D'Aubrey (1964a) considered both *C. ahenea* and *C.*  
5 *improvisus* to be synonymous under the name *C. ahenea*. The specimen originally  
6 identified by Barnard (1925) as *C. obscurus* had been stuffed and was on exhibit at SAM  
7 when it was examined by Bass *et al.* (1973) who confirmed it as *C. brachyurus* based on  
8 the jaws. Garrick (1982) reviewed the various names, including *C. ahenea* and *C.*  
9 *improvisus*, and assigned them all to the same species, *C. brachyurus*.

10 **Conservation status:** NT (2003).

11

12 ***Carcharhinus brevipinna* (Müller & Henle, 1839)**

13 Spinner Shark

14 *Carcharias brevipinna* Müller & Henle, 1839: 31, pl. 9. Holotype: RMNH D2525 (mounted skin), 785 mm  
15 TL, Java, Indonesia.

16 **Local synonymy:** *Carcharhinus johnsoni*: Smith, 1951: 88, figs. 1–2 (original  
17 description, Port Elizabeth, Eastern Cape Province); Smith, 1952b: 857; Smith, 1952c:  
18 760; Smith, 1952e: 22, fig. 3; Smith, 1953: 41, pl. 104; Smith & Smith, 1966: 20, fig. 5a.  
19 *Carcharnidus johnsoni*: Smith, 1958c: 17. *Carcharhinus maculipinnis*: Davies, 1963: 24;  
20 Davies, 1964: 34. *Carcharhinus maculipinnis*: D'Aubrey, 1964a: 44, pl. 25; Davies &  
21 Joubert, 1966: 3, fig. 2; Davies & Joubert, 1967: 115, fig. 7–2; Garrick, 1967: 88.  
22 *Carcharhinus brevipinna*: Bass *et al.*, 1973: 26, fig. 9; Compagno, 1984b: 466, fig.; Bass  
23 *et al.*, 1986: 71, fig. 9.6, pl. 2; Cliff & Wilson, 1986: 19; Compagno, 1988a: 315;  
24 Compagno *et al.*, 1989: 66, pl.; Compagno, 1999: 120; Heemstra & Heemstra, 2004: 58;

1 Compagno *et al.*, 2005: 293, fig., pl. 57; Ebert *et al.*, 2013a: 462, fig., pl. 66; NPOA,  
2 2013: 40; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 146; Compagno, 2016:  
3 1301; Weigmann, 2016: 855.

4 **South Africa voucher material:** SAIAB [former RUSI] 422 (Holotype of *C. johnsoni*),  
5 SAIAB [former ORI] 430 (Paratype of *C. johnsoni*). SAIAB [former RUSI] 427, SAIAB  
6 6169 [ex ORI 2024], SAIAB 6170 [ex ORI 1009], SAIAB 6171 [ex ORI 957], SAIAB  
7 6172 [ex ORI 1926], SAIAB 12992, SAIAB 25351, SAIAB 26878, SAIAB 201700.

8 **South African distribution:** Mossel Bay (WC) to KZN border with Mozambique.

9 **Remarks:** Smith (1951) described this shark as a new species (*C. johnsoni*) from South  
10 Africa noting that it was similar to the western North Atlantic *C. maculipinnis*, but  
11 considered them to be different species. D'Aubrey (1964a) considered it as a junior  
12 synonym of *C. maculipinnis*, but Bass *et al.* (1973) reviewed the issue and concluded that  
13 these various names were all synonymous with *C. brevipinna*.

14 **Conservation status:** NT (2009).

15

## 16 ***Carcharhinus falciformis* (Müller & Henle, 1839)**

17 Silky Shark

18 *Carcharias (Prionodon) falciformis* Bibron in Müller & Henle, 1839: 47. Holotype: MNHN 0000-1134.

19 Type locality: Cuba, Western Atlantic.

20 **Local synonymy:** *Carcharhinus falciformis*: D'Aubrey, 1964a: 34, pl. 17; Bass *et al.*,  
21 1973: 29, fig. 11; Garrick, 1982: 159, figs. 73–74; Compagno, 1984b: 470, fig.; Bass *et*  
22 *al.*, 1986: 72, fig. 9.7; Compagno, 1988a: 7; Compagno *et al.*, 1989: 70, pl.; Compagno,  
23 1999: 120; Compagno *et al.*, 2005: 295, fig., pl. 51; Ebert *et al.*, 2013: 464, fig., pl. 62;  
24 NPOA, 2013: 41; Ebert & Dando, 2014: 35, fig.; da Silva *et al.*, 2015: 246; Ebert & van



1 Hees, 2015: 146; Compagno, 2016: 1303; Weigmann, 2016: 855.

2 **South Africa voucher material:** SAIAB 202926.

3 **South African distribution:** Central KZN to the border with Mozambique.

4 **Remarks:** A common offshore, pelagic species in warm temperate to tropical seas, *C.*  
5 *falciformis* was not recorded in the area until the 1960s when D'Aubrey (1964a) reported  
6 it from off Durban. It is frequently misidentified with *C. obscurus*.

7 **Conservation status:** VU (2017).

8

9 ***Carcharhinus humani* White & Weigmann, 2014**

10 Human's Whaler Shark

11 *Carcharhinus humani* White & Weigmann, 2014: 72, figs. 1–6. Holotype: ZMH 26030. Type locality: Off  
12 Socotra Islands, 12°04'48"S, 53°12'36"W–12°09'12"S, 53°10'06"W.

13 **Local synonymy:** *Carcharhinus dussumieri*: Smith, 1952e: 22, fig. 3; Smith, 1952b: 858;  
14 Smith, 1965: 42, fig. 8. *Carcharhinus menisorrah*: Smith, 1961b: 29. *Carcharhinus*  
15 *tjutjot*: D'Aubrey, 1964a: 41, pl. 23; Davies & Joubert, 1966: 15; Davies & Joubert,  
16 1967: 121; Garrick, 1967: 8. *Carcharhinus sealei*: Bass *et al.*, 1973: 70, fig. 28, pl.14;  
17 Garrick, 1982: 48, fig. 24; Compagno, 1984b: 497, fig.; Bass *et al.*, 1986: 76, fig. 9, pl.  
18 9.16; Compagno, 1988a: 327; Compagno *et al.*, 1989: 68, pl.; Compagno, 1999: 120;  
19 Compagno *et al.*, 2005: 305, fig., pl. 60; Ebert & van Hees, 2015: 146. *Carcharhinus*  
20 *humani*: White & Weigmann, 2014: 72, figs. 1–6; Weigmann, 2016: 856.

21 **South Africa voucher material:** Paratype: ANSP 25838. Non-types: SAIAB [ex ORI  
22 914] 6117, SAIAB [ex ORI E4] 6218, SAIAB 8021, SAIAB 10738, SAIAB 13023,  
23 SAIAB 201701.

24 **South African distribution:** Port Shepstone and north to the KZN border with

1 Mozambique; south of Port Shepstone there are unconfirmed reports.

2 **Remarks:** White & Weigmann (2014) revised the *dussumieri-sealei* group and described  
3 *C. humani* as a new species. Previous accounts of this species in South African and WIO  
4 literature appeared as *C. tjutjot* and more recently the name *C. sealei* is used, but neither  
5 species occur in the WIO.

6 **Conservation status:** DD (2019).

7

8 ***Carcharhinus leucas* (Müller & Henle, 1839)**

9 Zambezi Shark or Bull Shark

10 *Carcharias (Prionodon) leucas* Valenciennes in Müller & Henle, 1839: 42. Syntypes (4): only 2 stuffed  
11 syntypes still in existence; MNHN A-9650, MNHN A-9652. Type locality: Antilles, Western Atlantic.

12 **Local synonymy:** *Carcharhinus melanopterus*: Robinson & Dunn, 1923: 63. *Eulamnia*  
13 *lamia* Smith, 1949a: 42, fig. 9. *Carcharhinus zambesensis*: Smith, 1952f: 13, pl. Davies,  
14 1963: 18, fig. 5. *Carcharhinus vanrooyeni*: Smith, 1958a: 12, pls. (original description,  
15 South Africa); Smith, 1961a: 565, pl. 108; Smith, 1962b: 27, pl.; Smith, 1963: 364, figs.  
16 1, 4, 6. *Carcharhinus leucas*: D'Aubrey, 1964a: 39, pl. 21; Davies, 1964: 32, fig. 15, pls.  
17 11, 21, 25–26, 39, 45–46 (in part: pl. 25 is *C. amboinensis*); Davies & Joubert, 1966: 6;  
18 Davies & Joubert, 1967: 115; Garrick, 1967: 89; Bass *et al.*, 1973: 37, fig. 13; Garrick,  
19 1982: 81, figs. 40–41; Compagno, 1984b: 378, fig.; Bass *et al.*, 1986: 73, fig. 9.9, pl. 2;  
20 Cliff & Wilson, 1986: 14; Compagno, 1988a: 6; Compagno *et al.*, 1989: 64, pl.;  
21 Compagno, 1999: 120; Heemstra & Heemstra, 2004: 59; Compagno *et al.*, 2005: 299,  
22 fig., pl. 50; Ebert *et al.*, 2013a: 468, fig., pl. 61; Mann, 2013: 33; NPOA, 2013: 41; da  
23 Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 146; Weigmann, 2016: 857.

24 **South Africa voucher material:** SAIAB 6176, SAIAB 6177, SAIAB 13022, SAIAB

1 21214, SAIAB 75557, SAIAB 99094, SAIAB 99095, SAIAB 99096, SAIAB 200666,  
2 SAIAB 200667, SAIAB 200668, SAIAB 200669, SAIAB 201699.

3 **South African distribution:** Breede River (WC) to the KZN border with Mozambique.

4 **Remarks:** This species is known to utilize freshwater rivers systems in KZN and  
5 seasonally during the summer months migrates to the Breede River (WC) where it also  
6 moves into the river. This species is one of the three most dangerous sharks in South  
7 Africa along with *C. carcharias* and *G. cuvier*.

8 **Conservation status:** NT (2009).

9

10 ***Carcharhinus limbatus* (Müller & Henle, 1839)**

11 Common Blacktip Shark

12 *Carcharias (Prionodon) limbatus* Valenciennes in Müller & Henle, 1839: 49, pl. 19 (teeth). Syntypes (2):  
13 only 1 syntype still in existence; MNHN 0000-3468 (mounted skin). Type locality: Martinique, Lesser  
14 Antilles, Western Atlantic.

15 **Local synonymy:** *Carcharhinus limbatus*: Robinson & Dunn, 1923: 63; Barnard, 1925:  
16 26; Smith, 1952b: 858; Smith, 1952c: 760; Smith, 1953e: 6, fig. 3; Smith, 1953: 40, pl.  
17 104; Davies, 1963: 24; Davies, 1964: 194, pls. 19–20, 43, 59. (?) *Eulamia limbatus*: von  
18 Bonde, 1934: 14. *Galeolamna limbata*: Fowler, 1956: 23, fig. 9. *Carcharhinus limbatus*:  
19 D'Aubrey, 1964a: 42, pl. 24; Smith, 1965: 40, fig. 5; Davies & Joubert, 1966: 15; Davies  
20 & Joubert, 1967: 121; Garrick, 1967: 89; Bass *et al.*, 1973: 46, fig. 17; Garrick, 1982: 28,  
21 figs. 16–18; Compagno, 1984b: 481, fig.; Bass *et al.*, 1986: 73, fig. 9.10, pl. 2; Cliff &  
22 Wilson, 1986: 18; Compagno, 1988a: 7; Compagno *et al.*, 1989: 66, pl.; Compagno,  
23 1999: 120; Heemstra & Heemstra, 2004: 58; Compagno *et al.*, 2005: 300, fig., pl. 57;  
24 Ebert *et al.*, 2013a: 469, fig., pl. 66; Mann, 2013: 35; NPOA, 2013: 41; da Silva *et al.*,

1 2015: 246; Ebert & van Hees, 2015: 146; Weigmann, 2016: 857. (non) *Eulamia limbatus*:  
2 Fowler, 1935: 362 (= *C. humani*). (non) *Eulamia limbata*: Smith, 1949a: 40, fig. 5 (= *C.*  
3 *obscurus*). (non) *Carcharhinus limbatus*: Doyle, 1964: 18, pl. (= *C. brachyurus*)  
4 **South Africa voucher material:** SAIAB 6165 [ex ORI 2388], SAIAB 6166 [ex ORI  
5 1079], SAIAB 6220 [ex ORI 1996], SAIAB 10563, SAIAB 75558, SAIAB 75559,  
6 SAIAB 75560, SAIAB 75561.  
7 **South African distribution:** East London (EC) to the KZN border with Mozambique,  
8 and rarely to Cape Point (WC). There is a record of this species from the “vicinity” of  
9 Cape Town in December 1961 (Bass *et al.*, 1973).  
10 **Remarks:** A very common inshore species in KZN waters. The taxonomic history is  
11 convoluted due to misidentification with other “blacktip” shark species in the area,  
12 particularly *C. brevipinna*, young *C. obscurus*, and *C. sorrah*.  
13 **Conservation status:** NT (2009).

14

### 15 *Carcharhinus longimanus* (Poey, 1861)

16 Oceanic Whitetip Shark

17 *Squalus longimanus* Poey, 1861: 338, pl. 19 (figs. 9, 10). No type known. Type locality: Cuba, Western  
18 Atlantic.

19 **Local synonymy:** *Carcharias (Prionodon) lamia*: Lampe, 1914: 213, fig. 1.  
20 *Pterolamiops magnipinnis*: Smith, 1958b: 131, fig. 1c, pl. 1 (original description, Port  
21 Elizabeth); Smith, 1958c: 16; Smith, 1961a: 565, pl. 108. *Pterolamiops magripinnis*:  
22 Smith, 1961b: 20, pl. *Carcharhinus longimanus*: D’Aubrey, 1964a: 28, pl. 12; Davies,  
23 1964: 184, pl. 7; Bass *et al.*, 1973: 49, fig. 19; Compagno, 1984b: 484, fig.; Bass *et al.*,  
24 1986: 74, fig. 9.11; Compagno, 1988a: 7; Compagno *et al.*, 1989: 70, pl.; Compagno,

1 1999: 120; Compagno *et al.*, 2005: 300, fig., pl. 50; Ebert *et al.*, 2013a: 470, fig., pl. 61;  
2 NPOA, 2013: 42; Ebert & Dando, 2014: 39, fig.; da Silva *et al.*, 2015: 246; Ebert & van  
3 Hees, 2015: 146; Compagno, 2016: 1311; Weigmann, 2016: 858.

4 **South Africa voucher material:** SAIAB 6045 [ex ORI 415d], SAIAB 6291 [ex ORI  
5 2690], SAIAB 39375 [ex ORI 5715], SAIAB 202985.

6 **South African distribution:** South of Cape Point (WC) to the KZN border with  
7 Mozambique.

8 **Remarks:** *Carcharhinus longimanus* exhibits distinct ontogenetic changes with growth,  
9 which led earlier researchers to describe new species regionally. Smith (1958b) described  
10 *C. magnipinnis* from a small female of 135 cm TL from Algoa Bay (EC) based on growth  
11 differences between it and a larger (~200–250 cm TL) individual without realizing these  
12 differences were growth-related. The species was quite common offshore in KZN, but  
13 also appears to move to the west to off Cape Point (WC), including small juveniles. A  
14 small juvenile (~120 cm TL) was caught off Cape Point (D.A. Ebert, unpubl. data).

15 **Conservation status:** CR (2019).

16

17 ***Carcharhinus melanopterus* (Quoy & Gaimard, 1824)**

18 Blacktip Reef Shark

19 *Carcharias melanopterus* Quoy & Gaimard, 1824: 194, pl. 43 (figs. 1, 2). Lectotype: MNHN 0000-1129;  
20 lectotype designation by Eschmeyer (1998). Type locality: Pulau Waigeo, West Papua, Indonesia.

21 **Local synonymy:** The synonymy for this species in South African waters is long and  
22 convoluted, and most of the “black-tipped” sharks are of other *Carcharhinus* species. A  
23 discussion of the issue is presented below in the Remarks section.

24 **South Africa voucher material:** None.

1 **South African distribution:** Possibly northern KZN, but unconfirmed in South African  
2 waters.

3 **Remarks:** *Carcharhinus melanopterus* has a checkered history of uncertainty as to  
4 whether it occurs in South African waters. The first record of this species was based on a  
5 specimen provided by Andrew Smith to the [British] Natural History Museum (probably  
6 around 1839) with the exact locality uncertain since the only information given was  
7 labelled “Cape Seas”. Subsequent authors listed it as occurring in South African waters,  
8 but the name “black-tipped” shark is used indiscriminately for several species of black or  
9 dusky fin tipped sharks. References to this species occurring in KZN or Cape waters can  
10 usually be traced back to either Gray (1851) or Günther (1870) who both cited Andrew  
11 Smith’s specimen at the Natural History Museum (Bass *et al.*, 1973). According to Bass  
12 *et al.* (1973) Andrew Smith’s specimen was still in existence and they were able to  
13 confirm its identification. However, Bass *et al.* (1973) commented that there were no  
14 records of this species from East Africa south of 22°S. The species does occur in  
15 southern Mozambique and it would not be unexpected if it ranged into the northern most  
16 area of KZN, but we could not verify any confirmed records or sightings of this species  
17 in South African waters. We include this species here since it has been widely listed as  
18 occurring in KZN with the hope that if it does occur here it will be confirmed.

19 **Conservation status:** NT (2009).

20

21 ***Carcharhinus obscurus* (Lesueur, 1818)**

22 Dusky Shark

23 *Squalus obscurus* Lesueur, 1818: 223, pl. 9. No types known. Type locality: east coast of U.S.A., no  
24 specific location given.

1 **Local synonymy:** *Eulamnia obscura*: Smith, 1949a: 41, fig. 6; Smith, 1965: 41, fig. 6.  
2 *Carcharinus obscurus*: Smith, 1951: 92; Smith, 1952b: 859; Smith, 1952c: 760; Smith,  
3 1952e: 6, fig. 3; Smith, 1953: 41, fig. 6; Davies, 1962: 25; Davies & Campbell, 1962: 9;  
4 Davies, 1964: 34, figs. 8, 12, pl. 47. *Carcharhinus obscurus*: Smith, 1963: 363;  
5 D'Aubrey, 1964a: 32, pl. 16; Franken, 1966: 22, fig.; Smith & Smith, 1966: 19, fig. 6;  
6 Garrick, 1967: 87; Davies & Joubert, 1966: 3, figs. 1–3, pl. 6; Davies & Joubert, 1967:  
7 113, figs. 7–2, 7–3, pl. 7–5; Bass *et al.*, 1973: 58, fig. 21; Garrick, 1982: 120, figs. 55–56;  
8 Compagno, 1984b: 491, fig.; Bass *et al.*, 1986: 75, fig. 9.14, pl. 2; Cliff & Wilson, 1986:  
9 16; Compagno, 1988a: 7; Compagno *et al.*, 1989: 62; Compagno, 1999: 120; Heemstra &  
10 Heemstra, 2004: 59; Compagno *et al.*, 2005: 302, fig., pl. 58; Ebert *et al.*, 2013a: 472,  
11 fig., pl. 65; Ebert & Dando, 2014: 41, fig.; Mann, 2013: 37; NPOA, 2013: da Silva *et al.*,  
12 2015: 246; 42; Ebert & van Hees, 2015: 146; Compagno, 2016: 1313; Weigmann, 2016:  
13 858. (*non*) *Carcharinus obscurus*: Barnard, 1925: 25 (misidentification, record based on  
14 *C. brachyurus*, SAM 17753). (*non*) *Eulamnia obscurus*: von Bonde, 1934: 14 (refers to  
15 Barnard's (1925) specimen of *C. brachyurus*).

16 **South Africa voucher material:** SAIAB 6164, SAIAB 6167, SAIAB 6168, SAIAB  
17 13021, SAIAB 51224, SAIAB 75563, SAIAB 75564, SAIAB 75565, SAIAB 201710,  
18 SAIAB 202976.

19 **South African distribution:** False Bay (WC) to the KZN border with Mozambique.

20 **Remarks:** The first record of this species from South African waters is often attributed to  
21 Barnard (1925), but that specimen (SAM 17753) is actually a *C. brachyurus* that was  
22 caught in Table Bay (Bass *et al.*, 1973).

23 **Conservation status:** EN (2019).

1

2 ***Carcharhinus plumbeus* (Nardo, 1827)**

3 Sandbar Shark

4 *Squalus plumbeus* Nardo, 1827: 26, 35 (no. 24). No types known. Type locality: Adriatic Sea.

5 **Local synonymy:** *Carcharhinus milberti*: D'Aubrey, 1964a: 30, pl. 14; Davies, 1964:

6 194; Garrick, 1967: 89. *Carcharhinus plumbeus*: Bass *et al.*, 1973: 65, fig. 26; Garrick,

7 1982: 132, figs. 60–62; Compagno, 1984b: 493, fig.; Bass *et al.*, 1986: 76, fig. 9.15; Cliff

8 & Wilson, 1986: 17; Compagno, 1988a: 7; Compagno *et al.*, 1989: 62, pl.; Compagno,

9 1999: 120, Heemstra & Heemstra, 2004: 60; Compagno *et al.*, 2005: 304, fig., pl. 58;

10 Ebert *et al.*, 2013a: 473, fig., pl. 65; Ebert & Dando, 2014: 43, fig.; da Silva *et al.*, 2015:

11 246; Ebert & van Hees, 2015: 146; Compagno, 2016: 1296; Weigmann, 2016: 858.

12 **South Africa voucher material:** SAIAB 6085, SAIAB 6086, SAIAB 6088, SAIAB

13 6235, SAIAB 19822, SAIAB 99188, SAIAB 201702.

14 **South African distribution:** Algoa Bay (EC) to the KZN border with Mozambique.

15 **Remarks:** A common species in KZN and to the north, but a seasonal visitor to eastern

16 Cape during the summer.

17 **Conservation status:** VU (2009).

18

19 ***Carcharhinus sorrah* (Müller & Henle, 1839)**

20 Spottail Shark

21 *Carcharias (Prionodon) sorrah* Valenciennes in Müller & Henle, 1839: 45, pl. 16. Lectotype: RMNH

22 4294, Type locality: Java, Indonesia.

23 **Local synonymy:** *Carcharhinus sorrah*: Bass *et al.*, 1973: 72, fig. 29; Garrick, 1982:

24 165, figs. 75–77; Compagno, 1984b: 500, fig.; Bass *et al.*, 1986: 77, fig. 9.17;



1 Compagno, 1988a: 291; Compagno *et al.*, 1989: 68, pl.; Compagno *et al.*, 2005: 306, fig.,  
2 pl. 59; Ebert *et al.*, 2013a: 475, fig., pl. 72; Ebert & van Hees, 2015: 146; Weigmann,  
3 2016: 859.

4 **South Africa voucher material:** None.

5 **South African distribution:** Northern KZN.

6 **Remarks:** Common in parts of its wide Indo-West Pacific range, but rare in East Africa  
7 with only a couple records from Sodwana Bay and northern KZN.

8 **Conservation status:** NT (2009).

9

10 **Genus *Loxodon* Müller & Henle, 1838a**

11 Sliteye Sharks

12 *Loxodon* Müller & Henle, 1838a: 36. Type species: *Loxodon macrorhinus* Müller & Henle, 1839, by  
13 subsequent monotypy; appeared first with no included species.

14

15 ***Loxodon macrorhinus* (Müller & Henle, 1839)**

16 Sliteye Shark

17 *Loxodon macrorhinus* Müller & Henle, 1839: 61, pl. 25. Holotype: ZMB 4479. Type locality: unknown  
18 (probably Indian Ocean).

19 **Local synonymy:** *Loxodon macrorhinus*: Bass *et al.*, 1975b: 37, fig. 22; Compagno,  
20 1984b: 514, fig.; Bass *et al.*, 1986: 80, fig. 9.25; Compagno, 1988a: 16; Compagno *et al.*,  
21 1989: 68, pl.; Compagno, 1999: 120; Compagno *et al.*, 2005: 314, fig., pl. 60; Ebert *et*  
22 *al.*, 2013a: 492, fig., pl. 73; Ebert & van Hees, 2015: 146; Weigmann, 2016: 861.

23 **South Africa voucher material:** SAIAB 6178, SAIAB 6202, SAIAB 6211.

24 **South African distribution:** Northern KZN.

1 **Remarks:** A small coastal tropical species with a wide Indo-West Pacific range but  
2 occurring locally only in northern KZN.

3 **Conservation status:** LC (2003).

4

5 **Genus *Negaprion* Whitley, 1940**

6 Lemon Sharks

7 *Negaprion* Whitley, 1940: 111. Type species: *Aprionodon acutidens queenslandicus* Whitley, 1939b, by  
8 original designation, a junior synonym of *Negaprion acutidens* (Rüppell, 1837).

9

10 ***Negaprion acutidens* (Rüppell, 1837)**

11 Sicklefin Lemon Shark

12 *Carcharias acutidens* Rüppell, 1837: 65, pl. 18 (fig. 3). Lectotype: SMF 2825 (stuffed); lectotype  
13 designation by Klausewitz (1960). Type locality: Jeddah, Saudi Arabia, Red Sea.

14 **Local synonymy:** *Negaprion acutidens*: Smith, 1959: 16, pl.; D'Aubrey, 1964a: 23, pl. 9;  
15 Bass *et al.*, 1975b: 27, fig. 17; Compagno, 1984b: 517, fig.; Bass *et al.*, 1986: 83, fig.  
16 9.29; Cliff & Wilson, 1986: 22; Compagno, 1988a: 35; Compagno *et al.*, 1989: 64, pl.;  
17 Compagno, 1999: 120; Compagno *et al.*, 2005: 315, fig., pl. 53; Ebert *et al.*, 2013a: 493,  
18 fig., pl. 64; Ebert & van Hees, 2015: 146; Weigmann, 2016: 861.

19 **South Africa voucher material:** SAIAB 6264, SAIAB 6924.

20 **South African distribution:** Northern KZN.

21 **Remarks:** This shark has been referred to locally as the Kosi Bay Shark (Smith, 1959;  
22 D'Aubrey, 1964a). Despite a wide Indo-West Pacific range, it occurs locally only in  
23 northern KZN.

24 **Conservation status:** VU (2003).

1

2 **Genus *Prionace* Cantor, 1849**

3 Blue Sharks

4 *Prionace* Cantor, 1849: 1381. Type species: *Squalus glaucus* Linnaeus, 1758, designated by the ICZN (on  
5 official list, Opinion 723.3d, 1965, name no. 1660).

6

7 ***Prionace glauca* (Linnaeus, 1758)**

8 Blue Shark

9 *Squalus glaucus* Linnaeus, 1758: 235. No types known. Type locality: northeastern Atlantic (localities  
10 include England and Italy).

11 **Local synonymy:** *Carcharias (Prionodon) glaucus*: Lampe, 1914: 213. *Carcharhinus*  
12 *glaucus*: Barnard, 1925: 26; Barnard, 1947: 9. *Glyphis glaucus*: Fowler, 1936: 54, fig. 13;  
13 Fowler, 1941: 178; Smith, 1949a: 42, fig. 10; D'Aubrey, 1964a: 24, pl. 10; Smith, 1965:  
14 42, fig. 10. *Eulamia glaucus*: von Bonde, 1934: 14. *Prionace glauca*: Bigelow &  
15 Schroeder, 1948b: 282; D'Aubrey, 1964a: 24, pl. 10; Bass *et al.*, 1975b: 32, fig. 20, pl. 6;  
16 Compagno, 1984b: 521, fig.; Bass *et al.*, 1986: 84, fig. 9.32, pl. 1; Compagno, 1988a:  
17 349; Compagno *et al.*, 1989: 70, pl.; Compagno *et al.*, 1991: 88; Compagno, 1999: 120;  
18 Heemstra & Heemstra, 2004: 61; Compagno *et al.*, 2005: 316, fig., pl. 51; Ebert *et al.*,  
19 2013a: 495, fig., pl. 62; Mann, 2013: 42; NPOA, 2013: 43; Ebert & Dando, 2014: 27,  
20 fig.; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 146; Compagno, 2016: 1323;  
21 Weigmann, 2016: 861.

22 **South Africa voucher material:** SAIAB 6123 [ex ORI 1722], SAIAB 25716, SAIAB  
23 27167, SAIAB 44228, SAIAB 46921, SAIAB 51222.

24 **South African distribution:** Entire coastline from the Orange River (NC) to the KZN

1 border with Mozambique.

2 **Remarks:** *Prionace glauca* has one of the widest known ranges of any cartilaginous fish  
3 and occurs in all temperate and most subtropical seas. Off the west coast, it is quite  
4 abundant and appears to migrate around the south Atlantic between the African and  
5 South American continents depending on the size, sex, and life stage (da Silva *et al.*,  
6 2010).

7 **Conservation status:** NT (2019).

8

9 **Genus *Rhizoprionodon* Whitley, 1929**

10 Sharpnose Sharks

11 *Rhizoprionodon* Whitley, 1929: 354; a replacement name for *Rhizoprion* Ogilby, 1915, preoccupied by  
12 *Rhizoprion* Jourdan, 1861 in mammals. Type species: *Carcharias (Scoliodon) crenidens* Klunzinger, 1880,  
13 by original designation, a junior synonym of *Carcharias acutus* Rüppell, 1837.

14

15 ***Rhizoprionodon acutus* (Rüppell, 1837)**

16 Milk Shark

17 *Carcharias acutus* Rüppell, 1837: 65, pl. 18 (fig. 4). Lectotype: SMF 2783 (stuffed). Type locality: Jeddah,  
18 Saudi Arabia, Red Sea.

19 **Local synonymy:** *Carcharinus acutus*: Thompson, 1914: 139; Barnard, 1925: 24.

20 *Carcharinus walbeehmi*: Barnard, 1925: 24, fig. 2, pl. 1. *Scoliodon walbeehmi*: Smith,  
21 1949a: 43, fig. 12; Smith, 1965: 43, fig. 12. *Scoliodon palasorrah*: Smith, 1949a: 43.

22 *Rhizoprionodon acutus*: D'Aubrey, 1964a: 25, pl. 11; Davies & Joubert, 1966: 11; Davies  
23 & Joubert, 1967: 118; Compagno, 1984b: 525, fig.; Bass *et al.*, 1975b: 39, fig. 23; Bass *et*  
24 *al.*, 1986: 85, fig. 9.33; Cliff & Wilson, 1986: 24; Compagno, 1988a: 16; Compagno *et*

1 *al.*, 1989: 68, pl.; Compagno, 1999: 120; Heemstra & Heemstra, 2004: 62; Compagno *et*  
2 *al.*, 2005: 317, fig., pl. 56; Ebert *et al.*, 2013a: 499, fig., pl. 70; Mann, 2013: 44; NPOA,  
3 2013: 43; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 146; Weigmann, 2016: 861.

4 **South Africa voucher material:** SAIAB 6087, SAIAB 6173, SAIAB 6174, SAIAB  
5 6240, SAIAB 6272, SAIAB 6273, SAIAB 6274, SAIAB 6275, SAIAB 6276, SAIAB  
6 14341, SAIAB 18174.

7 **South African distribution:** Algoa Bay (EC) to the northern KZN border with  
8 Mozambique.

9 **Remarks:** New range extension for South Africa. Most accounts of this species in South  
10 African waters list it as occurring from KZN to Mozambique, but a voucher specimen in  
11 the SAIAB collection was collected in Algoa Bay extending its previous known range by  
12 nearly 1,000 km.

13 **Conservation status:** LC (2003).

14

#### 15 **Genus *Triaenodon* Müller & Henle, 1837a**

16 Whitetip Reef Shark

17 *Triaenodon* Müller & Henle, 1837a: 113. Type species: *Carcharias obesus* Rüppell, 1837, by subsequent  
18 monotypy; appeared first without species then added by Bonaparte (1838).

19

#### 20 ***Triaenodon obesus* (Rüppell, 1837)**

21 Whitetip Reef Shark

22 *Carcharias obesus* Rüppell, 1837: 64, pl. 18 (fig. 2). Lectotype: SMF 3149 (stuffed); lectotype designation  
23 by Klausewitz (1960). Type locality: Jeddah, Saudi Arabia, Red Sea.

24 **Local synonymy:** *Triaenodon obesus*: Smith, 1953: 511, fig. 13a; Bass *et al.*, 1975b: 24,

1 fig. 16; Compagno, 1984b: 536, fig.; Bass *et al.*, 1986: 86, fig. 9.35; Compagno, 1988a:  
2 7; Compagno *et al.*, 1989: 64, pl.; Compagno, 1999: 120; Compagno *et al.*, 2005: 321,  
3 fig., pl. 53; Ebert *et al.*, 2013a: 500, fig., pl. 64; Ebert & van Hees, 2015: 146;  
4 Weigmann, 2016: 863.

5 **South Africa voucher material:** SAIAB 6269.

6 **South African distribution:** Northern KZN.

7 **Remarks:** A wide-ranging tropical inshore species of the Indian and Pacific oceans that  
8 occasionally occurs in waters of northern KZN.

9 **Conservation status:** NT (2009).

10

## 11 **Family Galeoceridae Poey, 1875**

12 Tiger Sharks

### 13 **Genus *Galeocerdo* Müller & Henle, 1837a**

14 Tiger Sharks

15 *Galeocerdo* Müller & Henle, 1837a: 115. Type species: *Squalus arcticus* Faber, 1829, by subsequent  
16 designation in Bonaparte (1838).

17

### 18 ***Galeocerdo cuvier* (Péron & Lesueur *in* Lesueur, 1822)**

19 Tiger Shark

20 *Squalus cuvier* Péron & Lesueur *in* Lesueur, 1822: 351. No types known. Type locality: northwestern  
21 Australia.

22 **Local synonymy:** *Galeocerdo arcticus*: Barnard, 1925: 27. *Galeocerdo cuvier*: Smith,  
23 1949a: 44, pl. 1.; Smith, 1965: 44, pl. 1; Compagno, 1984b: 503, fig.; Bass *et al.*, 1986:  
24 78, fig. 9.19, pl. 2; Cliff & Wilson, 1986: 12; Compagno, 1988a: 7; Compagno *et al.*,

1 1989: 60, pl.; Compagno, 1999: 120; Heemstra & Heemstra, 2004: 60; Compagno *et al.*,  
2 2005: 308, fig., pl. 50; Ebert *et al.*, 2013a: 477, fig., pl. 61; Mann, 2013: 40; NPOA,  
3 2013: 43; Ebert & Dando, 2014: 25, fig.; da Silva *et al.*, 2015: 246; Ebert & van Hees,  
4 2015: 146; Weigmann, 2016: 859. *Galeocerdo cuvieri*: D'Aubrey, 1964a: 19, pl. 6; Bass  
5 *et al.*, 1975b: 35, fig. 21.

6 **South Africa voucher material:** SAIAB 1505, SAIAB 6256, SAIAB 13191, SAIAB  
7 16729, SAIAB 19429.

8 **South African distribution:** Cape St. Francis (EC) to the KZN border with  
9 Mozambique.

10 **Remarks:** *Galeocerdo cuvier* previously had been placed in the family Carcharhinidae  
11 but the species has a number of distinct morphological characteristics, including very  
12 long upper labial furrows reaching to eye level, strong keels on caudal peduncle, an  
13 obvious spiracle, and a yolk-sac viviparous reproductive mode, which clearly separates it  
14 from that family. Molecular research supports its assignment into its own family (White  
15 *et al.*, 2018; G.J.P. Naylor, unpubl. data). The species was first reported in South African  
16 waters (as *G. rayneri*) by Robinson (1920, *Natal Fisheries Report for 1919*, p. 50) and  
17 was quoted by Barnard (1925), stating that large specimens of this shark is caught with  
18 handlines off Durban's North Pier.

19 **Conservation status:** NT (2019).

20

21 **Family Sphrynidae Gill, 1872**

22 Hammerhead Sharks

23 **Genus *Sphyrna* Rafinesque, 1810a**

1 Hammerhead Sharks

2 *Sphyrna* Rafinesque, 1810a: 60. Type species: *Squalus zygaena* Linnaeus, 1758, by subsequent designation  
3 (Bonaparte, 1838).

4

5 ***Sphyrna lewini* (Griffith & Smith, 1834)**

6 Scalloped Hammerhead

7 ***Zygaena lewini*** Griffith & Smith, 1834: 640, pl. 50. No types known. Type locality:  
8 south coast of Australia [New Holland].

9 **Local synonymy:** *Sphyrna lewini*: D'Aubrey, 1964a: 46, pl. 27; Gilbert, 1967: 37, figs.  
10 10, 21d, pl. 3, 6b, 9b, 10b (revision of family); Bass *et al.*, 1975b: 42, fig. 24; Compagno,  
11 1984b: 545, fig.; Bass, 1986: 97, fig. 13.1, pl. 2; Cliff & Wilson, 1986: 27; Compagno,  
12 1988a: 35; Compagno *et al.*, 1989: 72, pl.; Compagno, 1999: 120; Heemstra & Heemstra,  
13 2004: 68; Compagno *et al.*, 2005: 323, fig., pl. 64; Ebert *et al.*, 2013a: 504, fig., pl. 75;  
14 Mann, 2013: 283; NPOA, 2013: 48; Ebert & Dando, 2014: 15, fig.; da Silva *et al.*, 2015:  
15 248; Ebert & van Hees, 2015: 146; Compagno, 2016: 1331; Weigmann, 2016: 881.

16 **South Africa voucher material:** SAIAB 6111, SAIAB 6112 [ex ORI 1545], SAIAB  
17 6114 [ex ORI 1544], SAIAB 201709.

18 **South African distribution:** Port St. John's (EC) to the KZN border with Mozambique.

19 **Remarks:** The most common hammerhead on the east coast of South Africa. It forms  
20 large aggregations at times, especially during the fall and summer months. The Thukela  
21 Bank (KZN) appears to be a nursery ground (Fennessy, 1994; de Bruyn *et al.*, 2005) as  
22 does the Port St. Johns area on the Transkei coast (EC).

23 **Conservation status:** CR (2019).

24



1 ***Sphyrna mokarran* (Rüppell, 1837)**

2 Great Hammerhead

3 *Zygaena mokarran* Rüppell, 1837: 66, pl. 17 (fig. 3). Lectotype: SMF 3590 (stuffed); lectotype designation  
4 by Klausewitz (1960). Type locality: Massawa, Eritrea, Red Sea.

5 **Local synonymy:** *Sphyrna mokarran*: D'Aubrey, 1964a: 47, pl. 28; Gilbert, 1967: 25,  
6 figs. 6, 7, 21b, 22b, pl. 2, 6a (revision of family); Bass *et al.*, 1975b: 44, fig. 25;  
7 Compagno, 1984b: 548, fig.; Bass, 1986: 97, fig. 13.2; Cliff & Wilson, 1986: 26;  
8 Compagno, 1988a: 35; Compagno *et al.*, 1989: 72, pl.; Compagno, 1999: 120; Heemstra  
9 & Heemstra, 2004: 68; Compagno *et al.*, 2005: 324, fig., pl. 64; Ebert *et al.*, 2013a: 504,  
10 fig., pl. 75; NPOA, 2013: 48; Ebert & Dando, 2014: 17, fig.; da Silva *et al.*, 2015: 248;  
11 Ebert & van Hees, 2015: 146; Compagno, 2016: 1333; Weigmann, 2016: 881.

12 **South Africa voucher material:** SAIAB 6268 [ex ORI2610], SAIAB 7010 [ex ORI  
13 196], SAIAB 7011 [ex ORI 825], SAIAB 7012 [ex ORI 965], SAIAB 7013 [ex ORI  
14 1296], SAIAB 99328, SAIAB 99329.

15 **South African distribution:** Port Shepstone to the KZN border with Mozambique.

16 **Remarks:** The least common of the hammerhead shark species occurring in South  
17 African waters, it is most common during the warmer months (Bass *et al.*, 1975b).

18 **Conservation status:** CR (2019).

19

20 ***Sphyrna zygaena* (Linnaeus, 1758)**

21 Smooth Hammerhead

22 *Squalus zygaena* Linnaeus, 1758: 234. Syntype: NRM LP 88, male embryo 215 mm (see Fernholm &  
23 Wheeler, 1983). Type locality: Mediterranean Sea and Atlantic (inc. Spain, France, Italy, Greece, Syria).

24 **Local synonymy:** *Sphyrna malleus*: Thompson, 1914: 143. *Sphyrna zygaena*: Barnard,

1 1925: 32; Smith, 1949a: 46, fig. 21; D'Aubrey, 1964a: 45, pl. 26; Smith, 1965: 46, fig.  
2 21; Gilbert, 1967: 31, fig. 8; Bass *et al.*, 1975b: 45, fig. 26; Bass, 1986: 97, fig. 13.3, pl.  
3 2; Compagno, 1984b: 553, fig.; Cliff & Wilson, 1986: 28; Compagno, 1988a: 35;  
4 Compagno *et al.*, 1989: 72, pl.; Compagno, 1999: 120; Heemstra & Heemstra, 2004: 68;  
5 Compagno *et al.*, 2005: 326, fig., pl. 64; Ebert *et al.*, 2013a: 504, fig., pl. 75; Mann, 2013:  
6 285; NPOA, 2013: 48; Ebert & Dando, 2014: 19, fig.; da Silva *et al.*, 2015: 248; Ebert &  
7 van Hees, 2015: 146; Compagno, 2016: 1335; Weigmann, 2016: 881.

8 **South Africa voucher material:** SAIAB 6115, SAIAB 7014, SAIAB 7015, SAIAB  
9 7016, SAIAB 7017, SAIAB 7018, SAIAB 7019, SAIAB 7020, SAIAB 7021, SAIAB  
10 7022, SAIAB 7023, SAIAB 7024, SAIAB 7025, SAIAB 7026, SAIAB 7027, SAIAB  
11 7028, SAIAB 7029, SAIAB 7030, SAIAB 7031, SAIAB 7032, SAIAB 7033, SAIAB  
12 7034, SAIAB 7035, SAIAB 7036, SAIAB 7037, SAIAB 7038, SAIAB 7039, SAIAB  
13 7040, SAIAB 7041, SAIAB 7042, SAIAB 7043, SAIAB 7044, SAIAB 7045, SAIAB  
14 7046, SAIAB 7047, SAIAB 7048, SAIAB 7049, SAIAB 7050, SAIAB 7051, SAIAB  
15 7052, SAIAB 7053, SAIAB 11961, SAIAB 13003, SAIAB 13004, SAIAB 13005,  
16 SAIAB 13133, SAIAB 26446, SAIAB 26641, SAIAB 51214, SAIAB 51215, SAIAB  
17 75566, SAIAB 75567, SAIAB 75568, SAIAB 189174, SAIAB 200675, SAIAB 201703,  
18 SAIAB 202977, SAIAB 203735.

19 **South African distribution:** St. Helena Bay (WC) to the KZN border with Mozambique.

20 **Remarks:** This hammerhead shark species is found mostly in cool to temperate waters  
21 and is most common in southern and western Cape waters where it seasonally forms large  
22 aggregations.

23 **Conservation status:** VU (2019).

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**Order Torpediniformes**

**Family Narkidae Fowler, 1934a**

Sleeper Rays

**Genus *Electrolux* Compagno & Heemstra, 2007**

Ornate Sleeper Rays

*Electrolux* Compagno & Heemstra, 2007: 18. Type species: *Electrolux addisoni* Compagno & Heemstra, 2007, type by original designation (also monotypic).

***Electrolux addisoni* Compagno & Heemstra, 2007**

Ornate Sleeper Ray

*Electrolux addisoni* Compagno & Heemstra, 2007: 22, fig. 1. Holotype: SAIAB 78777. Type locality: On reef off Manaba Beach, near Margate, southern KwaZulu-Natal, 30°51.4'S, 30°23.1'E, South Africa.

**Local synonymy:** *Heteronarce* sp. nov.: Compagno, 1999: 116. *Electrolux addisoni*: Compagno & Heemstra, 2007: 22, fig. 1; Ebert & van Hees, 2015: 146; de Carvalho, 2016: 173, fig. 16.1; Weigmann, 2016: 912.

**South Africa voucher material:** Holotype: SAIAB 78777. Paratype: SAM 36908.

**South African distribution:** Endemic. Presently known off the KZN coast from Tee Barge to Coffee Bay (EC) (Compagno & Heemstra, 2007).

**Remarks:** This relatively new genus and species has been known for years by divers along the KZN coast, but was not described until 2007. The known distribution of the species is only within a 310 km stretch of coastline and inside the 50 m isobath (Compagno & Heemstra, 2007).

**Conservation status:** LC (2019).

1

2 **Genus *Heteronarce* Regan, 1921**

3 Soft Sleeper Rays

4 *Heteronarce* Regan, 1921: 414. Type species: *Heteronarce garmani* Regan, 1921, type by subsequent  
5 designation.

6

7 ***Heteronarce garmani* Regan, 1921**

8 Natal Electric Ray

9 *Heteronarce garmani* Regan, 1921: 414. Holotype (unique): BMNH 1921.3.1.3. Type locality: 15–20 miles  
10 off Umvoti River, KwaZulu-Natal, South Africa.

11 **Local synonymy:** *Heteronarce garmani*: Regan, 1921: 414; Gilchrist, 1922b: 50; von  
12 Bonde & Swart, 1923: 14; Barnard, 1925: 92; Fowler, 1925b: 193; Barnard, 1927: 1016;  
13 Smith, 1949a: 74, fig. 90; Smith, 1964: 291, pl. 29a; Smith, 1965: 74, fig. 90; Wallace,  
14 1967a: 55, fig. 28; Compagno, 1986: 113, fig. 24.1; Compagno *et al.*, 1989: 82, pl.;  
15 Compagno, 1999: 116; Compagno & Heemstra, 2007: 43; NPOA, 2013: 52; da Silva *et*  
16 *al.*, 2015: 247; Ebert & van Hees, 2015: 146; de Carvalho, 2016: 175, fig. 16.3;  
17 Weigmann, 2016: 912. *Heteronarce regani* von Bonde & Swart, 1923: 14, fig. 2, pl. 22  
18 (original description). *Narcine natalensis* Fowler, 1925a: 198, fig. 2 (original description).  
19 *Narcine garmani* Fowler, 1925b: 193.

20 **South Africa voucher material:** Holotype: BMNH 1921.3.1.3. Non-types: SAIAB  
21 16568, SAIAB 10439 [former ORI B 834].

22 **South African distribution:** Algoa Bay (EC) to northern KZN.

23 **Remarks:** A very rare, small, regionally endemic electric ray known only from the east  
24 coast of South Africa, Mozambique and Madagascar.

1 **Conservation status:** NT (2020).

2

3 **Genus *Narke* Kaup, 1826**

4 Onefin Sleeper Rays

5 *Narke* Kaup, 1826: 88. Type species: *Raja capensis* Gmelin, 1789, by monotypy.

6

7 ***Narke capensis* (Gmelin, 1789)**

8 Onefin Sleeper Ray

9 *Raja capensis* Gmelin, 1789: 1512. Types: No known types. Type locality: Cape of Good Hope, South  
10 Africa. Also apparently spelled *rapensis*, but this appears to have been typesetting error for *capensis*.

11 **Local synonymy:** *Raja capensis*: Gmelin, 1789: 1512. *Astrape capensis*: Müller &  
12 Henle, 1841: 130; Bleeker, 1860b: 58; Günther, 1870: 454; Gilchrist, 1902: 168; Regan,  
13 1908a: 242; Gilchrist & Thompson, 1916: 287. *Torpedo capensis*: Gronow, *in* Gray,  
14 1854: 13 (original description). *Narke capensis*: von Bonde & Swart, 1923: 15; Barnard,  
15 1925: 92, fig. 3, pl. 5; Fowler, 1941: 349; Smith, 1949a: 74, fig. 89; Barnard, 1959: 30,  
16 fig. 11, pl. 4; Smith, 1964: 292, pl. 29a; Smith, 1965: 74, fig. 89; Wallace, 1967a: 59, fig.  
17 29; Compagno, 1986: 114, fig. 24.2; Compagno *et al.*, 1989: 82, pl.; Compagno, 1999:  
18 116; Compagno & Heemstra, 2007: 43; NPOA, 2013: 52; da Silva *et al.*, 2015: 247;  
19 Ebert & van Hees, 2015: 146; de Carvalho, 2016: 177, fig. 16.5; Weigmann, 2016: 912.

20 **South Africa voucher material:** SAIAB 10091, SAIAB 11932, SAIAB 12010, SAIAB  
21 20030, SAIAB 26506, SAIAB 44283, SAIAB 44284, SAIAB 44285, SAIAB 44286,  
22 SAIAB 44290, SAIAB 48509, SAIAB 48530, SAIAB 48533, SAIAB 48534, SAIAB  
23 48836, SAIAB 55006, SAIAB 61134.

24 **South African distribution:** Endemic. Cape of Good Hope (WC) to at least central

1 KZN.

2 **Remarks:** A common, but very poorly known electric ray endemic to South Africa.

3 **Conservation status:** LC (2019).

4

5 **Family Torpedinidae Bonaparte, 1838**

6 Torpedo Rays

7 **Genus *Tetronarce* Gill, 1862**

8 Pelagic Topedo Rays

9 *Tetronarce* Gill, 1862: 387. Type species: *Torpedo occidentalis* Storer, 1843, by monotypy and original  
10 designation (name appears in key; Eschmeyer, 2013).

11

12 ***Tetronarce cowleyi* Ebert, Haas, & de Carvalho, 2015**

13 Cowley's Torpedo Ray

14 *Tetronarce cowleyi* Ebert, Haas, & de Carvalho, 2015: 237, figs. 2–6. Holotype: SAIAB 25190. Type  
15 locality: off the west coast of South Africa, 33°39.0'S, 17°34.0'E, southeast Atlantic Ocean.

16 **Local synonymy:** *Torpedo hebetans*: Thompson, 1914: 159; von Bonde & Swart, 1923:

17 15. *Narcobatus nobilianus*: Barnard, 1925: 89; Norman, 1935: 37; Barnard, 1947: 30, pl.

18 4, fig. 10. *Torpedo nobiliana*: Fowler, 1936: 121, fig. 50; Fowler, 1941: 346; Smith,

19 1949a: 75, fig. 92; Smith, 1965: 75, fig. 92; Compagno, 1986: 112, fig. 23.2; Compagno

20 *et al.*, 1989: 80, pl.; Compagno *et al.*, 1991: 89; Heemstra & Heemstra, 2004: 77; de

21 Carvalho & Séret, 2016: 1374. *Torpedo cf. nobiliana*: Compagno, 1999: 116. *Tetronarce*

22 *nobiliana*: NPOA, 2013: 51. *Tetronarce cowleyi*: da Silva *et al.*, 2015: 248; Ebert, 2015:

23 162, fig. 173; Ebert & van Hees, 2015: 146; de Carvalho *et al.*, 2016: 187, fig. 18.2;

24 Weigmann, 2016: 913.

1 **South Africa voucher material:** Holotype: SAIAB 25190. Paratype: SAIAB 25347.

2 Non-types: SAIAB 25348, SAIAB 26253, SAIAB 26293, SAIAB 26456, SAIAB 26884,

3 SAIAB 27157, SAIAB 27158, SAIAB 40981, SAIAB 48537.

4 **South African distribution:** The Orange River (NC) to Algoa Bay (EC).

5 **Remarks:** A large, active swimming electric ray, but almost nothing known about it. The  
6 species appears to be a regional endemic to South Africa and Namibia.

7 **Conservation status:** LC (2019).

8

9 **Genus *Torpedo* Duméril, 1805**

10 Electric Rays

11 *Torpedo* Duméril, 1805: 102, 343. Type species: *Raja torpedo* Linnaeus, 1758. Type by subsequent  
12 monotypy.

13

14 ***Torpedo fuscomaculata* Peters, 1855**

15 Blackspotted Electric Ray

16 *Torpedo fuscomaculata* Peters, 1855: 466. Lectotype: ZMB 4573. Type locality: Angoxe [Angoche], Ibo,  
17 Mozambique, Western Indian Ocean.

18 **Local synonymy:** *Torpedo smithii*: Günther, 1870: 451 (original description, South  
19 Africa); Gilchrist, 1902: 167; Thompson, 1914: 160. *Narcobatus smithi*: Barnard, 1925:  
20 90. *Torpedo fuscomaculata*: Smith, 1964: 292; Wallace, 1967a: 49, figs. 25–26;  
21 Compagno, 1986: 112, fig. 23.1, pl. 5; Compagno *et al.*, 1989: 80, pl.; Compagno, 1999:  
22 116; Heemstra & Heemstra, 2004: 77; NPOA, 2013: 51; da Silva *et al.*, 2015: 248; Ebert  
23 *et al.*, 2015: 237; Ebert & van Hees, 2015: 146; de Carvalho *et al.*, 2016: 197, fig. 18.12;  
24 Weigmann, 2016: 915. *Torpedo cf. fuscomaculata*: Compagno, 1999: 116.

1 **South Africa voucher material:** SAIAB 2743, SAIAB 2876, SAIAB 3576, SAIAB  
2 7835, SAIAB 7843, SAIAB 8530, SAIAB 10254, SAIAB 11126, SAIAB 11127, SAIAB  
3 11128, SAIAB 11130, SAIAB 11131, SAIAB 11780, SAIAB 12189, SAIAB 12190,  
4 SAIAB 12876, SAIAB 12981, SAIAB 13613, SAIAB 14622, SAIAB 15428, SAIAB  
5 16733, SAIAB 25349, SAIAB 25929, SAIAB 26454, SAIAB 26455, SAIAB 26499,  
6 SAIAB 26500, SAIAB 26501, SAIAB 26502, SAIAB 26883, SAIAB 26962, SAIAB  
7 37572, SAIAB 38693, SAIAB 40773, SAIAB 42736, SAIAB 44184, SAIAB 44209,  
8 SAIAB 46279, SAIAB 48225, SAIAB 48520, SAIAB 48535, SAIAB 49161, SAIAB  
9 51960, SAIAB 52006, SAIAB 52658, SAIAB 54205, SAIAB 54850, SAIAB 54851,  
10 SAIAB 54852, SAIAB 54853, SAIAB 54854, SAIAB 65713, SAIAB 78295, SAIAB  
11 186533.

12 **South African distribution:** Cape Agulhas (WC) to northern KZN.

13 **Remarks:** This species maybe a complex of several regional species throughout the  
14 WIO. A review of this complex is currently under investigation (D.A. Ebert & M.R. de  
15 Carvalho, unpubl. data).

16 **Conservation status:** DD (2019).

17

18 ***Torpedo sinuspersici* Olfers, 1831**

19 Marbled Electric Ray

20 *Torpedo sinuspersici* Olfers, 1831: 15, 17. Types: No types known. Type locality: Persian Gulf.

21 **Local synonymy:** *Torpedo marmorata*: Günther, 1870: 450 (in part); Gilchrist, 1902:  
22 167; Regan, 1908a: 242; Thompson, 1914: 159 (in part); Gilchrist & Thompson, 1916:  
23 286; Smith, 1949a: 75, fig. 91; Davies, 1964: 32, pl. 2; Smith, 1965, 75, fig. 91; van  
24 Bruggen, 1965: 191. *Narcacion sinus-persici*: Garman, 1913: 309; von Bonde & Swart,



1 1923: 15. *Narcacion marmoratus*: von Bonde & Swart, 1923: 15. *Narcobatus*  
2 *marmoratus*: Barnard, 1925: 90, fig. 4, pl. 5. *Torpedo panthera*: Fowler, 1925b: 193;  
3 Fowler, 1934b: 409; Fowler, 1935: 364. *Torpedo sinuspersici*: Fowler, 1941: 344; Fraser-  
4 Brunner, 1949: 946, fig. 1; Wallace, 1967a: 53, fig. 27; Compagno, 1986: 113, fig. 23.3;  
5 Compagno *et al.*, 1989: 82, pl.; Compagno, 1999: 116; Heemstra & Heemstra, 2004: 76;  
6 NPOA, 2013: 52; da Silva *et al.*, 2015: 248; Ebert *et al.*, 2015: 237; Ebert & van Hees,  
7 2015: 146; de Carvalho *et al.*, 2016: 201, fig. 18.16; Weigmann, 2016: 916.

8 **South Africa voucher material:** SAIAB 11129, SAIAB 19443, SAIAB 44195, SAIAB  
9 44295, SAIAB 48517, SAIAB 48833, SAIAB 48834, SAIAB 88448, SAIAB 88521,  
10 SAIAB 189092, SAIAB 201956.

11 **South African distribution:** Port Alfred (EC) to KZN.

12 **Remarks:** The WIO *Torpedo sinuspersici* complex is currently under investigation to  
13 clarify the status of the various nominal species (DAE & M.R. de Carvalho, unpubl.  
14 data).

15 **Conservation status:** DD (2019).

16

17 **Order Rhinopristiformes**

18 **Family Pristidae Bonaparte, 1838**

19 Sawfishes

20 **Genus *Pristis* Linck, 1790**

21 Sawfishes

22 *Pristis* Linck, 1790: 31. Type species: *Squalus pristis* Linnaeus, 1758. Type by monotypy (also by absolute  
23 tautonymy).

24

1 ***Pristis pristis* (Linnaeus, 1758)**

2 Largetooth Sawfish

3 *Squalus pristis* Linnaeus, 1758: 235. No types known. Type locality: Mediterranean Sea, Indian Ocean,  
4 western Atlantic; localities include Marseille, France; Italy; Lesbos Island, Greece; Syria; Brazil.

5 **Local synonymy:** *Pristis pectinatus*: Bleeker, 1860b: 58; Günther, 1870: 437; Gilchrist,  
6 1902: 166; Thompson, 1914: 153; Norman, 1922: 320; von Bonde & Swart, 1923: 2;  
7 Barnard, 1925: 57; Fowler, 1925a: 192; Fowler, 1941: 291; Smith, 1949a: 63, fig. 59;  
8 Barnard, 1959: 22, fig. 8, pl. 3; Smith, 1961a: 63, fig. 59, pl. 3; Davies, 1964: pl. 6;  
9 Smith, 1965: 63, fig. 59; Wallace, 1967b: 9, fig. 4; Heemstra & Heemstra, 2004: 76.

10 *Pristis perrotteti*: Barnard, 1925: 56; Barnard, 1959: 22. *Pristis microdon*: Smith, 1949a:  
11 63, fig. 58; Smith, 1961a: 63, fig. 58; Smith, 1965: 63, fig. 58; Wallace, 1967b: 6, fig. 3;  
12 Compagno, 1986: 110, fig. 22.1; Compagno *et al.*, 1989: 74, pl. (in part); Compagno,  
13 1999: 115; Heemstra & Heemstra, 2004: 75. *Pristis pectinata*: Compagno, 1986: 111, fig.  
14 22.2, pl. 4; Compagno *et al.*, 1989: 74, pl. (in part); Compagno, 1999: 115. *Pristis pristis*:  
15 Compagno, 1999: 115; Faria *et al.*, 2013: 136; Ebert & van Hees, 2015: 146; Everett *et*  
16 *al.*, 2015: 275; Last *et al.*, 2016b: 474; Last *et al.*, 2016c: 63, fig. 8.4; Weigmann, 2016:  
17 917.

18 **South Africa voucher material:** SAIAB 11135, SAIAB 12833.

19 **South African distribution:** Port Alfred (EC) to the KZN border with Mozambique.

20 **Remarks:** The sawfish family Pristidae was problematic in the number of species and  
21 distribution until Faria *et al.* (2013) reviewed the family and concluded that two genera  
22 (*Anoxypristis*, *Pristis*) and five species (*A. cuspidata*, *P. clavata*, *P. pectinata*, *P. pristis*,  
23 and *P. zijsron*) were valid. The nomenclature of South Africa sawfishes is no different  
24 and is lengthy and convoluted with various names including *P. microdon*, *P. pectinata*, *P.*

1 *perrotteti*, and *P. pristis* appearing in the literature. However, a review by Everett *et al.*  
2 (2015) found that two species, *P. pristis* and *P. zijsron* appear to be the only two that  
3 historically occurred in South African waters.

4 **Conservation status:** CR (2013).

5

6 ***Pristis zijsron* (Bleeker, 1851)**

7 Green Sawfish

8 *Pristis zijsron* Bleeker, 1851: 442. Holotype: RMNH 7418 (rostrum only). Type locality: Bandjarmasin,  
9 Kalimantan, Indonesia.

10 **Local synonymy:** *Pristis zijsron*: Compagno, 1986: 111, fig. 22.3, pl. 4; Compagno *et*  
11 *al.*, 1989: 74, pl.; Compagno, 1999: 115; Heemstra & Heemstra, 2004: 76; Faria *et al.*,  
12 2013: 136; Ebert & van Hees, 2015: 146; Everett *et al.*, 2015: 275; Last *et al.*, 2016b:  
13 474; Last *et al.*, 2016c: 64, fig. 8.5; Weigmann, 2016: 918.

14 **South Africa voucher material:** SAIAB 11135.

15 **South African distribution:** KZN, but the exact limits of its distribution are uncertain  
16 due to misidentification with *P. pristis*.

17 **Remarks:** *Pristis zijsron* was long misidentified with other sawfish species due to the  
18 complicated taxonomic history of the group.

19 **Conservation status:** CR (2013).

20

21 **Family Rhinidae Müller & Henle, 1841**

22 Wedgefishes

23 **Genus *Rhina* Bloch & Schneider, 1801**

24 Bowmouth Guitarfishes

1 *Rhina* Bloch & Schneider, 1801: 352. Type designation by indication under ICZN Opinion 6. On official  
2 list; *Rhina* Schaeffer, 1760, *Rhina* Walbaum, 1792, and *Rhina* Rafinesque, 1810a placed on Official Index  
3 (Opinion 345). Valid as *Rhina* Bloch & Schneider, 1801.

4

5 ***Rhina ancylostomus* Bloch & Schneider, 1801**

6 Bowmouth Guitarfish

7 *Rhina ancylostomus* Bloch & Schneider, 1801: 352, pl. 72. Lectotype: ZMB (lost), Paralectotype, ZMB  
8 4621 (1, dry, lost). Type locality: Coromandel, India.

9 **Local synonymy:** *Rhina ancylostomus*: Smith, 1961a: 503, fig. 59a; Compagno *et al.*,  
10 1989: 76, pl. *Rhina ancylostoma*: Wallace, 1967b: 14, figs. 7–8; Compagno, 1986: 128,  
11 fig. 27.1; Compagno, 1999: 115; Heemstra & Heemstra, 2004: 79; Ebert & van Hees,  
12 2015: 146; Last *et al.*, 2016b: 471; Last *et al.*, 2016d: 67, fig. 9.1; Weigmann, 2016: 918.

13 **South Africa voucher material:** SAIAB 11134, SAIAB 25493.

14 **South African distribution:** KZN from Mzamba north to Mozambique border.

15 **Remarks:** Uncommon in KZN.

16 **Conservation status:** CR (2019).

17

18 **Genus *Rhynchobatus* Müller & Henle, 1837a**

19 Wedgefishes

20 *Rhynchobatus* Müller & Henle, 1837a: 116. Type species: *Rhinobatus laevis* Bloch & Schneider, 1801, by  
21 monotypy.

22

23 ***Rhynchobatus djiddensis* (Forsskål, 1775)**

24 Giant Sandshark

1 *Raja djiddensis* Forsskål, 1775: 18. No known types. Type locality: Jeddah, Saudi Arabia and Luhaiya,  
2 Yemen, Red Sea.

3 **Local synonymy:** *Rhynchobatus djeddensis*: Barnard, 1925: 58, pl. 3; Fowler, 1941: 300;  
4 Barnard, 1959: 22, fig. 9, pl. 3; Smith, 1949a: 63, fig. 60; Smith, 1961a: 63, fig. 60;  
5 Smith, 1965: 63, fig. 60; Wallace, 1967b: 11, figs. 5–6. *Rhynchobatus djiddensis*:  
6 Norman, 1926: 944; Compagno, 1986: 131, fig. 27.7, pl. 4; Compagno *et al.*, 1989: 76,  
7 pl.; Compagno, 1999: 115; Heemstra & Heemstra, 2004: 79; Mann, 2013: 149; NPOA,  
8 2013: 58; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 146; Last *et al.*, 2016b:  
9 472; Last *et al.*, 2016d: 70, fig. 9.4; Weigmann, 2016: 918.

10 **South Africa voucher material:** SAIAB 21209, SAIAB 48823, SAIAB 53229, SAIAB  
11 88254.

12 **South African distribution:** Knysna (EC) to KZN border with Mozambique.

13 **Remarks:** Early reports of this species commented on it being a regular visitor to KZN  
14 during the summer months and it being one of the gamest fishes along the coast (Barnard,  
15 1925). This appears to be the only confirmed *Rhynchobatus* species in South African  
16 waters and it appears to mostly be replaced mostly by *R. australiae* in southern  
17 Mozambique. Although there are no confirmed records of *R. australiae* in South African  
18 waters it would not be unexpected as it is common in southern Mozambique.

19 **Conservation status:** CR (2019).

20

21 **Family Rhinobatidae Müller & Henle, 1837**

22 Guitarfishes

23 **Genus *Acroteriobatus* Giltay, 1928**

24 Flapnose Guitarfishes

1 *Acroteriobatus* Giltay, 1928: 26. Type species: *Rhinobatus (Syr rhina) annulatus* Smith, 1841. Type by  
2 subsequent designation. Type apparently designated first by Fowler, 1969: 141.

3

4 ***Acroteriobatus annulatus* (Smith, 1841)**

5 Lesser Guitarfish

6 *Rhinobatus (Syr rhina) annulatus* (Smith [A.], in Müller & Henle, 1841): 116. Syntypes: (2) BMNH  
7 1843.2.29.22, (1 stuffed) MNHN A-8586. Type locality: Cape of Good Hope, South Africa.

8 **Local synonymy:** *Rhinobatus (Syr rhina) annulatus*: Smith [A.], in Müller & Henle,  
9 1841): 116; Smith [A.], 1849: pl. 16; Bleeker, 1860b: 58; Duméril, 1865: 487, fig. 6, pl.  
10 10. *Rhinobatos (Syr rhina) columnae* (non Bonaparte): Günther, 1870: 446 (in part);  
11 Gilchrist, 1902: 167; Regan, 1908a: 242; Lampe, 1914: 215; Thompson, 1914: 155;  
12 Gilchrist & Thompson, 1916: 285. *Rhinobatus blockii*: Regan, 1908a: 242 (in part);  
13 Gilchrist & Thompson, 1911: 55. *Rhinobatus annulatus*: Garman, 1913: 272; von Bonde  
14 & Swart, 1923: 3; Barnard, 1925: 59, fig. 9a; Norman, 1926: 964, fig. 17; Fowler, 1934b:  
15 408; von Bonde, 1934: 16; Fowler, 1941: 312; Barnard, 1947: 22, fig. 10, pl. 3; Barnard,  
16 1959: 22, fig. 10, 10a, pl. 3; Wallace, 1967b: 27, fig. 14 (fig. 15 = *R. austini*). *Rhinobatus*  
17 *rhinobatus*: ? von Bonde & Swart, 1923: 3. *Rhinobatos annulatus*: Smith, 1949a: 64, pl.  
18 3; Smith, 1965: 64, pl. 3; Compagno, 1986: 129, fig. 27.2, pl. 4; Compagno *et al.*, 1989:  
19 76, pl.; Compagno *et al.*, 1991: 88; Compagno, 1999: 116; Heemstra & Heemstra, 2004:  
20 78; Mann, 2013: 147. *Rhinobatus annulatus* (Natal form): Wallace, 1967b: 27 (in part),  
21 fig. 15 (= *Rhinobatos austini*). *Acroteriobatus annulatus*: NPOA, 2013: 57; da Silva *et*  
22 *al.*, 2015: 247; Ebert & van Hees, 2015: 146; Last *et al.*, 2016b: 465; Séret *et al.*, 2016a:  
23 79, fig. 10.1; Weigmann, 2016: 919.

24 **South Africa voucher material:** Syntypes see above for details. Non-types: SAIAB

1 4503, SAIAB 7636, SAIAB 19821, SAIAB 26886, SAIAB 39372, SAIAB 41535,  
2 SAIAB 44314, SAIAB 44315, SAIAB 44319, SAIAB 44341.

3 **South African distribution:** ?Endemic. Confirmed along the west coast from at least  
4 Langebaan (WC) to off the Transkei coast (EC) and possibly to central KZN, but records  
5 from outside this region should be carefully checked.

6 **Remarks:** The range for *A. annulatus* is poorly defined since it has frequently been  
7 misidentified with other South African guitarfish species, including *A. blochii*, *A.*  
8 *leucospilus*, *A. ocellatus*, and *R. austini*. In addition, records of this species outside South  
9 Africa also require confirmation. The species may eventually prove to be a South African  
10 endemic.

11 **Conservation status:** VU (2020).

12

13 ***Acroteriobatus blochii* (Müller & Henle, 1841)**

14 Bluntnose Guitarfish

15 *Rhinobatus (Syrhina) blochii* (Müller & Henle, 1841): 115, fig. 1, pl. 37. Syntypes: (originally 14, stuffed)  
16 MNHN 0000-1256 (1), MNHN 0000-3460 (1 dry), MNHN 0000-3471 (1), MNHN 0000-3473 (1 dry),  
17 MNHN 0000-3474 (1 dry), MNHN A-7853 (1), MNHN A-7854 (3); ZMB 4547 (1). Type locality: Cape of  
18 Good Hope, South Africa.

19 **Local synonymy:** *Rhinobatus blochii*: Müller & Henle, 1841: 115, fig. 1, pl. 37; Norman,  
20 1926: 969. *Rhinobatus blochi*: Thompson, 1914: 154; Barnard, 1925: 61. *Rhinobatos*  
21 *blochii*: Smith, 1949a: 64, fig. 61 (in part, not fig. 61 = *A. leucospilus*), pl. 3; Compagno,  
22 1986: 130, fig. 27.3, pl. 4; Compagno *et al.*, 1989: 76, pl.; Compagno, 1999: 116.  
23 *Acroteriobatus blochii*: NPOA, 2013: 57; da Silva *et al.*, 2015: 247; Ebert & van Hees,  
24 2015: 146; Last *et al.*, 2016b: 465; Séret, 2016: 1360; Séret *et al.*, 2016a: 80, fig. 10.2;

1 Weigmann, 2016: 920.

2 **South Africa voucher material:** See above for details on syntypes.

3 **South African distribution:** West coast from the Orange River (NC) to Langebaan  
4 Lagoon (WC). Its distribution eastwards may extend to Cape Point, but if so, it is rare  
5 south of Langebaan.

6 **Remarks:** *Acroteriobatus blochii* was once considered to be very rare and known from  
7 only a few specimens, but it was frequently misidentified as *A. annulatus* along the west  
8 coast of South Africa and Namibia. A coastal survey conducted along the west coast of  
9 South Africa and Namibia (D.A. Ebert & P.D. Cowley, unpubl. data) revealed this to be  
10 the most common guitarfish along the west coast, mostly replacing *A. annulatus* north of  
11 Langebaan Lagoon (WC) and extending into at least central Namibia (Compagno *et al.*,  
12 1989).

13 **Conservation status:** LC (2019).

14

15 ***Acroteriobatus leucospilus* (Norman, 1926)**

16 Greyspot Guitarfish

17 *Rhinobatus leucospilus* Norman, 1926: 966, fig. 18. Syntypes: BMNH 1905.6.8.12 (1), 1920.7.23.1 (1).

18 Type locality: Durban, KwaZulu-Natal, South Africa.

19 **Local synonymy:** *Rhinobatus blockii*: Regan, 1908a: 242 (in part); Gilchrist &  
20 Thompson, 1916: 284 (in part); Smith, 1961a: *non* 64, pl. 3. *Rhinobatus leucospilus*:  
21 Norman, 1926: 966, Fig. 18; Barnard, 1927: 1014; Fowler, 1941: 313; Wallace, 1967b:  
22 24, figs. 10, 13. *Rhinobatos blochii*: Smith, 1949a: fig. 61 only (= *A. leucospilus*).  
23 *Rhinobatus annulatus*: Smith, 1961a: 64 (in part), *non* pl. 3. *Rhinobatos leucospilus*:  
24 Compagno, 1986: 131, fig. 27.5; Compagno *et al.*, 1989: 76, pl.; Heemstra & Heemstra,



1 2004: 78. *Acroteriobatus leucospilus*: NPOA, 2013: 58; da Silva *et al.*, 2015: 247; Ebert  
2 & van Hees, 2015: 146; Last *et al.*, 2016b: 465; Séret *et al.*, 2016a: 81, fig. 10.3;  
3 Weigmann, 2016: 920.

4 **South Africa voucher material:** Syntypes: BMNH 1905.6.8.12 (1), 1920.7.23.1 (1).  
5 Non-types: SAIAB 11142, SAIAB 11143, SAIAB 11159, SAIAB 34588, SAIAB  
6 189087.

7 **South African distribution:** Central Transkei coast (EC) to northern KZN.

8 **Remarks:** This species was thought to be endemic to South Africa, but its range now  
9 appears to extend to at least Zanzibar and Dar es Salaam, Tanzania. Records of this  
10 species from Madagascar are of a different species.

11 **Conservation status:** EN (2019).

12

13 ***Acroteriobatus ocellatus* (Norman, 1926)**

14 Speckled Guitarfish

15 *Rhinobatus ocellatus* Norman, 1926: 967, fig. 20. Holotype: BMNH 1906.11.19.26. Type locality: Bird  
16 Island, Algoa Bay, South Africa.

17 **Local synonymy:** *Rhinobatus columnae*: Regan, 1908a: 242. *Rhinobatus ocellatus*:  
18 Norman, 1926: 967, fig. 20; Barnard, 1927: 1015; Fowler, 1941: 314; Wallace, 1967b:  
19 22, fig. 12. *Rhinobatos annulatus*: Smith, 1949a: 64 (part), *non* pl. 3.; Smith, 1961a: 64  
20 (part), *non* pl. 3; Smith, 1965: 64 (part), *non* pl. 3. *Rhinobatos ocellatus*: Compagno,  
21 1986: 131, fig. 27.6; Compagno *et al.*, 1989: 78, pl.; Heemstra & Heemstra, 2004: 78.  
22 *Acroteriobatus ocellatus*: NPOA, 2013: 58; da Silva *et al.*, 2015: 247; Ebert & van Hees,  
23 2015: 146; Last *et al.*, 2016b: 465; Séret *et al.*, 2016a: 82, fig. 10.4; Weigmann, 2016:  
24 920.

1 **South Africa voucher material:** Holotype: BMNH 1906.11.19.26. Non-types: SAIAB  
2 11138, SAIAB 11141, SAIAB 13002.

3 **South African distribution:** Endemic. Bird Island, Algoa Bay (EC).

4 **Remarks:** Very little is known of this rare species. Its range is not well defined, and the  
5 map in Séret *et al.* (2016a) is inaccurate since the only verified specimens are from Algoa  
6 Bay. A detailed revision of the South African *Acroteriobatus* is required to clarify the  
7 status and validity of this species.

8 **Conservation status:** DD (2019).

9

#### 10 **Genus *Rhinobatos* Linck, 1790**

11 Guitarfishes

12 *Rhinobatos* Linck, 1790: 32. Type species: *Raja rhinobatos* Linnaeus, 1758; type assumed from tautonymy.

13

#### 14 ***Rhinobatos austini* Ebert & Gon, 2017**

15 Austin's Guitarfish

16 ***Rhinobatos austini*** Ebert & Gon, 2017: 205, figs. 1–6. Holotype: SAIAB 75223. Type  
17 locality: Near Port Shepstone, KwaZulu-Natal, South Africa, 30°50'S, 30°29'E.

18 **Local synonymy:** *Rhinobatus annulatus* (Natal form): Wallace, 1967b: 27, fig. 15 (in  
19 part); Compagno *et al.*, 1989: 78, pl. (in part); Heemstra & Heemstra, 2004: 78.

20 *Rhinobatos holcorhynchus*: Séret *et al.*, 2016a: 98, fig. 10.20 (in part, illustration is of *R.*  
21 *austini*). *Rhinobatos austini*: Ebert & Gon, 2017: 205, Figs. 1–6.

22 **South Africa voucher material:** Holotype: SAIAB 75223; paratypes: SAIAB 186420,  
23 SAIAB 193574. Non-type: SAIAB 11125.

24 **South African distribution:** Port Shepstone north to KZN border with Mozambique.

1 **Remarks:** Accounts by Wallace (1967b, see fig. 15) and Compagno *et al.* (1989, see  
2 illustration on p. 79) described a *Rhinobatos annulatus* “Natal” form that was  
3 distinguished by large brown spots from the “Cape” form. However, the “Natal” form is  
4 actually *Rhinobatos austini*, while the “Cape” form, which is now assigned to the genus  
5 *Acroteriobatus*, has numerous small eyespots on its dorsal surface. Furthermore, the  
6 recently described *R. austini* was also misidentified with *R. holcorhynchus* due to both  
7 species having a black teardrop-shaped blotch on the ventral surface of its snout. Recent  
8 re-examination of specimens from Mozambique and Madagascar has expanded the  
9 known range of *R. austini*. This species appears to inhabit a mostly coastal habitat from  
10 inshore to 107 m, but mostly less than 75 m depth, while *R. holcorhynchus* appears to  
11 occur in deeper water at depths from 75 m to at least 350 m (Séret *et al.*, 2016a; Ebert &  
12 Gon, 2017). The illustration in the species account of *R. holcorhynchus* in Séret *et al.*  
13 (2016a, see fig. 10.20) is actually *R. austini*.

14 **Conservation status:** DD (2019).

15

16 ***Rhinobatos holcorhynchus* Norman, 1922**

17 Slender Guitarfish

18 *Rhinobatus holcorhynchus* Norman, 1922: 318. Holotype (unique): BMNH 1922.1.13.18. Type locality:  
19 Zululand, KwaZulu-Natal, South Africa.

20 **Local synonymy:** *Rhinobatus holcorhynchus*: von Bonde & Swart, 1923: 3; Barnard,  
21 1925: 61, fig. 9c, pl. 3; Norman, 1926: 957, fig. 10; Barnard, 1927: 1014; Fowler, 1941:  
22 307; Barnard, 1959: 22; Wallace, 1967b: 18, figs. 9, 11. *Rhinobatus natalensis*: Fowler,  
23 1925b: 195, fig. 1. *Rhinobatus schlegeli*: Smith, 1949a: 64, fig. 64; Smith, 1961a: 64, fig.  
24 64; Smith, 1965: 64, fig. 64. *Rhinobatos holcorhynchus*: Compagno, 1986: 130, fig. 27.4;

1 Compagno *et al.*, 1989: 78, pl.; Compagno, 1999: 116; Heemstra & Heemstra, 2004: 78;  
2 NPOA, 2013: 57; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 146; Last *et al.*,  
3 2016b: 470; Séret *et al.*, 2016a: 98, fig. 10.20 (in part, illustration is of *R. austini*);  
4 Weigmann, 2016: 922.

5 **South Africa voucher material:** Holotype: BMNH 1922.1.13.18.. ANSP 53041  
6 (holotype of *Rhinobatos natalensis*). Non-types: SAIAB 11144, SAIAB 11145, SAIAB  
7 11146, SAM 033512, SAM 033999, SAM 034815.

8 **South African distribution:** East coast from Port Shepstone to KZN border with  
9 Mozambique.

10 **Remarks:** The geographic range of *R. holcorhynchus* in East Africa, Madagascar, and  
11 the Mascarene Archipelago should be revisited given the misidentification with other  
12 regional *Rhinobatos* species, including *R. austini* and *R. nudidorsalis*. The scientific  
13 name *Rhinobatos schlegelii* appears in some earlier South African literature accounts  
14 since Smith (1949a, 1961a, 1965) considered *R. holcorhynchus* to be a junior synonym of  
15 it. However, most recent accounts do not recognize it as occurring in southern Africa, and  
16 consider its distribution to be restricted to the western North Pacific (Last *et al.*, 2016b:  
17 470; Séret *et al.*, 2016a: 98, fig. 10.20).

18 **Conservation status:** DD (2019).

19

## 20 **Order Rajiformes**

21 Skates

## 22 **Family Arhynchobatidae Fowler, 1934a**

23 Softnose Skates

1 **Genus *Bathyraja* Ishiyama, 1958**

2 Softnose Skates

3 *Bathyraja* (subgenus of *Breviraja*) Ishiyama, 1958: 325. Type species: *Raja isotrachys* Günther, 1877, by  
4 original designation.

5

6 ***Bathyraja smithii* (Müller & Henle, 1841)**

7 African Softnose Skate

8 *Raja smithii* Müller & Henle, 1841: 150, pl. 49. Syntypes: (2) BMNH 1953.8.10.1 (skin), MNHN 0000-  
9 1594 (1). Type locality: South Africa.

10 **Local synonymy:** *Raja smithii*: Müller & Henle, 1841: 150, pl. 49; Gray, 1851: 112;  
11 Bleeker, 1860b: 58; Duméril, 1865: 553; Günther, 1870: 467; Gilchrist, 1902: 168;  
12 Thompson, 1914: 159; Norman, 1935: 41; Fowler, 1941: 364 (South Africa, not *R. eatoni*  
13 from Kerguelen Island = *Bathyraja eatoni*). *Raja eatoni*: Günther, 1876: 390; Günther,  
14 1879: 166; Günther, 1880: 15. *Raia eatonii*: Garman, 1913: 365. *Raia smithii*: Garman,  
15 1913: 366; von Bonde & Swart, 1923: 5; Barnard, 1925: 66, pl. 4; Smith, 1949a: 66  
16 (South Africa, not fig. 68, = *Cruriraja parcomaculata*; not pl. 3, ? = *Raja* cf. *clavata*);  
17 Smith, 1965: 66 (South Africa, not fig. 68 or pl. 3). *Bathyraja smithii*: Hulley, 1970: 213,  
18 figs. 20–21, pl. 13; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 116, fig. 25.1;  
19 Compagno *et al.*, 1989: 86, pl.; Compagno *et al.*, 1991: 91; Ebert *et al.*, 1991: 75;  
20 Stehmann, 1995: 23; Compagno, 1999: 116; Compagno & Ebert, 2007: 133, fig. 4a;  
21 Ebert & Compagno, 2007: 117; Ebert *et al.*, 2008: 84; NPOA, 2013: 52; Ebert, 2014: 41,  
22 fig. 41; da Silva *et al.*, 2015: 246; Ebert, 2015: 167, fig. 177; Ebert & van Hees, 2015:  
23 146; Last *et al.*, 2016e: 418, fig. 20.50; McEachran & Séret, 2016: 1395, fig.; Weigmann,  
24 2016: 933.

1 **South Africa voucher material:** SAIAB 25186, SAIAB 25187, SAIAB 25188, SAIAB  
2 25189, SAIAB 26000, SAIAB 26232, SAIAB 27143, SAIAB 27144, SAIAB 27145,  
3 SAIAB 27146, SAIAB 27147, SAIAB 27148, SAIAB 40983, SAIAB 40984, SAIAB  
4 40985, SAIAB 61308, SAIAB 64276.

5 **South African distribution:** The Orange River (NC) to Cape Agulhas (WC), with a  
6 single record from near Algoa Bay (EC).

7 **Remarks:** The area between Saldanha Bay and Cape Point appears to be a population  
8 center since the species has been caught in higher numbers during survey cruises here  
9 than other locations off South Africa and Namibia (Compagno *et al.*, 1991). One of the  
10 syntypes gives the nominal locality as the Bosphorus between the Black Sea and Sea of  
11 Marmara, Turkey, but this appears to be erroneous (Compagno & Ebert, 2007). Records  
12 of this species from Kerguelen Island are now known to be *Bathyraja eatoni*, which has  
13 in the past been synonymized with *B. smithii*, but it is a distinct species (Compagno *et al.*,  
14 1991; Compagno & Ebert, 2007).

15 **Conservation status:** LC (2019).

16

17 **Family Rajidae Blainville, 1816**

18 Hardnose Skates

19 **Genus *Amblyraja* Malm, 1877**

20 Stout Skates

21 *Amblyraja* Malm, 1877: 120, 607. Type species *Raja radiata* Donovan, 1808, by subsequent designation.

22 Designated by Jordan, 1919: 391.

23

24 ***Amblyraja hyperborea* (Collett, 1879)**

1 Boreal Skate or Bigmouth Skate

2 *Raja hyperborea* Collett, 1879: 7. Holotype (unique): ZMUO J.3134. Type locality: Northwest of  
3 Spitsbergen, Svalbard, Norway.

4 **Local synonymy:** *Raja robertsi*: Hulley, 1970: 190, fig. 12 (original description, west of  
5 Cape Town, South Africa, 33°51'S, 17°14'E); Hulley, 1972a: 86, figs. 58–59; Hulley,  
6 1986: 125, fig. 25.18; Stehmann, 1995: 106. *Raja (Amblyraja) robertsi*: Compagno *et al.*,  
7 1989: 88, pl.; Compagno *et al.* 1991: 93; Ebert *et al.*, 1991: 79. *Amblyraja robertsi*:  
8 Compagno, 1999: 116; Compagno & Ebert, 2007: 133, fig. 4b; Ebert & Compagno,  
9 2007: 119; Ebert *et al.*, 2008: 84; Ebert, 2015: 172, fig. 187; Ebert & van Hees, 2015:  
10 147. *Amblyraja hyperborea*: Ebert & Compagno, 2007: 118; Last *et al.*, 2016f: 18; Last  
11 *et al.*, 2016g: 213, fig. 19.4; Weigmann, 2016: 939.

12 **South Africa voucher material:** ZMH 25250 [ex ISH 54-1967]. Ebert *et al.* (2008)  
13 examined two specimens and four egg cases of this species at SAM; none had accession  
14 numbers.

15 **South African distribution:** Known from three records west of Cape Town (WC) in  
16 very deepwater (Compagno & Ebert, 2007).

17 **Remarks:** This species was previously referred to as *Amblyraja robertsi*, but recent  
18 molecular and morphological data confirm this species is the wide-ranging *A. hyperborea*  
19 that has a circumglobal distribution (Last *et al.*, 2016a). Two males, an adolescent and  
20 adult, and four egg cases for this species were also trawled from 1,150 m off Cape Town  
21 (Ebert *et al.*, 2008).

22 **Conservation status:** LC (2016).

23

24 *Amblyraja taaf* (Meisner, 1987)

1 Whiteleg Skate

2 *Raja taaf* Meisner, 1987: 1840, figs. 1–2. Holotype: ZIK 91514. Type locality: Lena Bank, 53°01'S,  
3 44°25'E, southwestern Indian Ocean.

4 **Local synonymy:** *Raja radiata* (*non* Donovan): Hulley, 1970: 193, fig. 13, pl. 7a;  
5 Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 124, figs. 25.16; Compagno *et al.* 1989: 88,  
6 pl. *Raja* (*Amblyraja*) *radiata* (*non* Donovan): Compagno *et al.*, 1991: 93; Ebert *et al.*,  
7 1991: 79. *Amblyraja cf radiata*: Compagno, 1999: 116. *Amblyraja taaf*: Compagno &  
8 Ebert, 2007: 133, fig. 4c; Ebert & Compagno, 2007: 119; Ebert, 2015: 172, fig. 188;  
9 Ebert & van Hees, 2015: 147; Last *et al.*, 2016g: 217, fig. 19.8; Weigmann, 2016: 941.

10 **South Africa voucher material:** SAM (2) uncatalogued specimens.

11 **South African distribution:** Known from two specimens caught west of Cape Town  
12 (WC).

13 **Remarks:** This appears to be a sub-Antarctic species that is presently known only from  
14 off Kerguelen Islands in addition to the one location off Cape Town (WC) (Last *et al.*,  
15 2016a).

16 **Conservation status:** DD (2020).

17

18 **Genus *Dipturus* Rafinesque, 1810a**

19 Longnosed Skates

20 *Dipturus* Rafinesque, 1810a: 16. Type species: *Raja batis* Linnaeus, 1758, by monotypy.

21

22 ***Dipturus campbelli* (Wallace, 1967a)**

23 Blackspot Skate



1 *Raja campbelli* Wallace, 1967a: 24, fig. 12. Holotype: SAIAB [formerly RUSI] 992 [ex ORI B804]. Type  
2 locality: 24 miles east of Durban, KwaZulu-Natal, South Africa.

3 **Local synonymy:** *Raja campbelli*: Wallace, 1967a: 24, fig. 12; Séret, 1989: 127. *Raja*  
4 *pullopunctata*: Hulley, 1986: 123, fig. 25.15, pl. 6. *Raja (Dipturus) campbelli*: Compagno  
5 *et al.*, 1989: 92, pl. *Dipturus campbelli*: Compagno, 1999: 116; Heemstra & Heemstra,  
6 2004: 81; Compagno & Ebert, 2007: 137, fig. 6a; Ebert & Compagno, 2007: 119; Ebert  
7 *et al.*, 2008: 86; Ebert, 2014: 62, fig. 95; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f:  
8 21; Last *et al.*, 2016g: 246, fig. 19.37; Weigmann, 2016: 943.

9 **South Africa voucher material:** Holotype: SAIAB [former RUSI] 991 [ex ORI B804] .  
10 Paratype: SAIAB [former RUSI] 992 [ex ORI B859]. Ebert *et al.* (2008) examined 13  
11 uncatalogued specimens in the SAM collection.

12 **South African distribution:** KZN coast to the border with Mozambique.

13 **Remarks:** This poorly known skate was previously misidentified as *D. pullopunctatus*,  
14 but the collection of additional specimens and a re-examination of the type material  
15 confirmed it a distinct species (Compagno *et al.*, 1989).

16 **Conservation status:** NT (2020).

17

### 18 ***Dipturus doutrei* (Cadenat, 1960)**

19 Javelin Skate

20 *Raja doutrei* Cadenat, 1960: 294, figs. 1–11, 13, 15. Lectotype: MNHN 1959-0041 [ex IFAN]. Type  
21 locality: Senegal.

22 **Local synonymy:** *Raja batis*: ? Hulley, 1966: 512 (Cape Columbine, ? = *Raja springeri*).

23 *Raja doutrei*: Hulley, 1970: 164, fig. 5, pl. 1b; Hulley, 1972a: 86, figs. 58–59; Hulley,  
24 1986: 122, fig. 25.11; Stehmann, 1995: 36. *Raja (Dipturus) doutrei*: Compagno *et al.*,

1 1989: 90, pl.; Compagno *et al.*, 1991: 95; Ebert *et al.*, 1991: 79. *Dipturus doutrei*:  
2 Compagno, 1999: 116; Compagno & Ebert, 2007: 137, fig. 6b; Ebert & Compagno,  
3 2007: 119; Ebert *et al.*, 2008: 87; Ebert, 2014: 60, fig. 84; Ebert, 2015: 176, fig. 196;  
4 Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 21; Last *et al.*, 2016g: 250, fig. 19.41;  
5 McEachran & Séret, 2016: 1389; Weigmann, 2016: 944.

6 **South Africa voucher material:** Ebert *et al.* (2008) reported on a single specimen at  
7 SAM.

8 **South African distribution:** West of Cape Town (WC) to southeastern Cape, south of  
9 Port Elizabeth (EC).

10 **Remarks:** Several specimens of this uncommon skate were collected off Cape Town and  
11 examined, but none were retained.

12 **Conservation status:** DD (2009).

13

14 ***Dipturus lanceorostratus* (Wallace, 1967a)**

15 Rattail Skate

16 *Raja lanceorostrata* Wallace, 1967a: 15, fig. 8. Holotype: SAIAB [former RUSI] 986 [ex ORI B869]. Type  
17 locality: Off the Limpopo River mouth, Mozambique.

18 **Local synonymy:** *Raja lanceorostrata*: Wallace, 1967a: 15, fig. 8. *Raja* (*Dipturus*)  
19 *lanceorostratus*: Hulley, 1986: 122, fig. 25.12; Compagno *et al.*, 1989: 90, pl. *Dipturus*  
20 *lanceorostratus*: Compagno, 1999: 116; Compagno & Ebert, 2007: 139, fig. 6c; Ebert &  
21 Compagno, 2007: 119; Ebert, 2014: 60, fig. 82; Ebert & van Hees, 2015: 147; Last *et al.*,  
22 2016f: 21; Last *et al.*, 2016g: 261, fig. 19.52; Weigmann, 2016: 945.

23 **South Africa voucher material:** SAIAB 10726, SAIAB 189018.

24 **South African distribution:** New species record for South Africa. Two specimens of

1 this rare skate, one from off KZN and another from the Agulhas Bank (WC), are reported  
2 here for the first time.

3 **Remarks:** This very rare skate species was previously known only from the three type  
4 specimens from off the Limpopo River, Mozambique. However, a search of the SAIAB  
5 collection uncovered about eight specimens from Mozambique in addition to the two  
6 South African specimens, which represent a range extension for this species.

7 **Conservation status:** DD (2019).

8

9 ***Dipturus nidarosiensis* (Storm, 1881)**

10 Norwegian Skate

11 *Raja nidarosiensis* Storm, (ex Collett) 1881: 80. Syntypes: ZMUO J6339 (1 stuffed in poor condition),  
12 ZMUO (2, lost). Type locality: Munkholmen, Trondheim Fjord, Norway.

13 **Local synonymy:** *Raja (Dipturus) springeri*: Compagno et al., 1989: 92, pl. (in part);  
14 Compagno et al., 1991: 96 (in part). *Dipturus springeri*: Compagno, 1999: 116 (in part);  
15 Compagno & Ebert, 2007: 139, fig. 6e (in part); Ebert et al., 2008: 88 (in part); NPOA,  
16 2013: 56 (in part); da Silva et al., 2015: 247 (in part); Ebert, 2015: 176, fig. 195 (in  
17 part?); Ebert & van Hees, 2015: 147 (in part). *Dipturus nidarosiensis*: Ebert &  
18 Compagno, 2007: 119; Last et al., 2016f: 21; Last et al., 2016g: 266, fig. 19.57.

19 **South Africa voucher material:** Uncertain, all previous large *Dipturus* skate off the  
20 west and south coasts of South Africa have been referred to as *D. springeri*. The  
21 specimens listed here were all from the west and south coasts of South Africa and maybe  
22 *D. nidarosiensis* pending re-examination: SAIAB 26001, SAIAB 26231, SAIAB 26466,  
23 SAIAB 26467, SAIAB 26468, SAIAB 26636, SAIAB 26637, SAIAB 26912, SAIAB  
24 26913, SAIAB 26914, SAIAB 40953.

1 **South African distribution:** West coast and possibly south coast (WC), but eastern  
2 extent of range uncertain due to confusion with *D. springeri*.

3 **Remarks:** This species was thought to be restricted to the northeast Atlantic, but Last *et*  
4 *al.* (2016a), based on molecular data, extended its range to South Africa where it has been  
5 misidentified with *D. springeri*, which now may only occur off the east coast of South  
6 Africa. A re-examination of South African *D. springeri* specimens is required to better  
7 define the geographic distribution of these two large *Dipturus* species.

8 **Conservation status:** NT (2015).

9

10 ***Dipturus pullopunctatus* (Smith, 1964)**

11 Slime Skate

12 *Raja pullopunctata* Smith, 1964: 285, fig. A, pl. 25. SAIAB [formerly RUSI] 37. Type locality: Algoa Bay,  
13 31°07'E, 29°59'S, off coast of South Africa, Western Indian Ocean.

14 **Local synonymy:** *Raia batis*: Thompson, 1914: 156; von Bonde & Swart, 1923: 3;  
15 Barnard, 1925: 70, fig. 3, pl. 4; von Bonde, 1934: 16; Smith, 1949a: 66, fig. 65; Smith,  
16 1965: 66, fig. 65. *Raia stabuliformis*: von Bonde & Swart, 1923: 12. *Raja batis*: Norman,  
17 1935: 39; Fowler, 1941: 385; Bigelow & Schroeder, 1953: 146. *Raja pullopunctata*:  
18 Smith, 1964: 285, fig. A, pl. 25; Hulley, 1966: 505, figs. 4–5; Wallace, 1967a: 13, fig. 7;  
19 Hulley, 1970: 166, fig. 6, pl. 2; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 123, fig.  
20 25.15, pl. 6 in part, including *D. campbelli*); Stehmann, 1995: 106; Walmsley-Hart *et al.*,  
21 1999: 165. *Raja (Dipturus) pullopunctata*: Compagno *et al.*, 1989: 92, pl.; Compagno *et*  
22 *al.*, 1991: 95; Ebert *et al.*, 1991: 73. *Dipturus pullopunctata*: Compagno, 1999: 116;  
23 Ebert & Compagno, 2007: 119; Ebert *et al.*, 2008: 87; NPOA, 2013: 55; da Silva *et al.*,  
24 2015: 247; Ebert & van Hees, 2015: 147. *Dipturus pullopunctatus*: Heemstra &

1 Heemstra, 2004: 81; Compagno & Ebert, 2007: 139, fig. 6d; Ebert, 2014: 61, fig. 88;  
2 Ebert, 2015: 177, fig. 199; Last *et al.*, 2016f: 22; Last *et al.*, 2016g: 270, fig. 19.61;  
3 Weigmann, 2016: 946.

4 **South Africa voucher material:** Holotype: SAIAB 37. Non-types: SAIAB 12839,  
5 SAIAB 25191, SAIAB 25192, SAIAB 25756, SAIAB 25906, SAIAB 25907, SAIAB  
6 25908, SAIAB 25909, SAIAB 25910, SAIAB 25911, SAIAB 25912, SAIAB 25913,  
7 SAIAB 25914, SAIAB 25915, SAIAB 25916, SAIAB 25917, SAIAB 25990, SAIAB  
8 25991, SAIAB 25992, SAIAB 25993, SAIAB 25994, SAIAB 25995, SAIAB 25996,  
9 SAIAB 25997, SAIAB 25998, SAIAB 25999, SAIAB 26229, SAIAB 26230, SAIAB  
10 26401, SAIAB 26402, SAIAB 26959, SAIAB 27573, SAIAB 48512.

11 **South African distribution:** The Orange River (NC) to at least Algoa Bay (EC). Records  
12 from off Durban (KZN) maybe based on *D. campbelli*.

13 **Remarks:** This distinct species was often confused by earlier researchers as *Raja batis*, a  
14 European species, or with *Dipturus campbelli*, was once considered a junior synonymy of  
15 *D. pullopunctatus*.

16 **Conservation status:** LC (2020).

17

18 ***Dipturus springeri* (Wallace, 1967a)**

19 Roughbelly Skate

20 *Raja springeri* Wallace, 1967a: 18, figs. 9–10. Holotype: SAIAB [formerly RUSI] 989 [ex ORI B909].  
21 Type locality: 48 kilometers east-southeast of Durban, KwaZulu-Natal, South Africa, Western Indian  
22 Ocean.

23 **Local synonymy:** ? *Raja batis*: Hulley, 1966: 512. *Raja springeri*: Wallace, 1967a: 18,  
24 figs. 9–10; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 125, fig. 25.20; Stehmann,

1 1995: 105. *Raja (Dipturus) springeri*: Compagno *et al.*, 1989: 92, pl. (in part); Compagno  
2 *et al.*, 1991: 96 (in part); Ebert *et al.*, 1991: 76. *Dipturus springeri*: Compagno, 1999: 116  
3 (in part); Compagno & Ebert, 2007: 139, fig. 6e (in part); Ebert & Compagno, 2007: 119;  
4 Ebert *et al.*, 2008: 88; NPOA, 2013: 56 (in part); Ebert, 2014: 60, fig. 83; da Silva *et al.*,  
5 2015: 247 (in part); Ebert, 2015: 176, fig. 195 (in part?); Ebert & van Hees, 2015: 147 (in  
6 part); Last *et al.*, 2016f: 22; Last *et al.*, 2016g: 272, fig. 19.63; Weigmann, 2016: 946.

7 **South Africa voucher material:** Holotype: SAIAB 989 [ex ORI B 909].

8 **South African distribution:** KZN, but records from the EC and WC require  
9 confirmation due to confusion with the recently documented occurrence of *D.*  
10 *nidarosiensis* in South African waters.

11 **Remarks:** Until recently, this species was considered to occur from about Lüderitz,  
12 Namibia, south and all around the South African coast, and north to Kenya and east to  
13 Madagascar. However, the recent revelation that *D. nidarosiensis* occurs to South Africa  
14 highlights that a re-evaluation of these large *Dipturus* species is required to determine the  
15 extent of their range in the region.

16 **Conservation status:** LC (2019).

17

18 ***Dipturus stenorhynchus* (Wallace, 1967a)**

19 Prownose Skate

20 *Raja stenorhynchus* Wallace, 1967a: 23, fig. 11. Holotype (unique): ORI B186. Type locality: East of Barra  
21 da Falsa, Mozambique, Western Indian Ocean, 22°25'S, 35°54'E.

22 **Local synonymy:** *Raja stenorhynchus*: Wallace, 1967a: 23, Fig. 11; Hulley, 1986: 126,  
23 fig. 25.20. *Raja (Dipturus) stenorhynchus*: Hulley, 1972a: 77; Compagno *et al.*, 1989: 90,  
24 pl. *Dipturus stenorhynchus*: Compagno, 1999: 116; Compagno & Ebert, 2007: 139, fig.

1 6f; Ebert & Compagno, 2007: 119; Ebert *et al.*, 2008: 89; Ebert, 2014: 61, fig. 85; Ebert,  
2 2015: 177, fig. 197; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 22; Last *et al.*,  
3 2016g: 273, fig. 19.64; Weigmann, 2016: 946.

4 **South Africa voucher material:** Ebert *et al.* (2008) examined 31 uncatalogued  
5 specimens at SAM.

6 **South African distribution:** Off Plettenberg Bay (WC) to southeast of Algoa Bay (EC)  
7 and from off KZN.

8 **Remarks:** A little known skate with a patchy distribution off South Africa and  
9 Mozambique.

10 **Conservation status:** DD (2019).

11

## 12 **Genus *Leucoraja* Malm, 1877**

13 Rough Skates

14 *Leucoraja* Malm, 1877: 121. Type species: *Raja fullonica* Linnaeus, 1758, type by subsequent designation.  
15 Designated by Jordan, 1919: 391.

16

### 17 ***Leucoraja compagno* (Stehmann, 1995)**

18 Tigertail Skate

19 *Raja (Leucoraja) compagno* Stehmann, 1995: 43, fig. 10. Holotype (unique) ZIN 48406. Type locality:  
20 Off South Africa, 30°44'S, 15°18'E.

21 **Local synonymy:** *Raja (Leucoraja) compagno*: Stehmann, 1995: 43, fig. 10. *Leucoraja*  
22 *compagno*: Compagno, 1999: 116; Compagno & Ebert, 2007: 133, fig. 4d; Ebert &  
23 Compagno, 2007: 120; Ebert *et al.*, 2008: 90; Ebert, 2014: 68, fig. 105; Ebert, 2015: 179,  
24 fig. 201; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 18; Last *et al.*, 2016g: 281, fig.

1 19.72; Weigmann, 2016: 948.  
2 **South Africa voucher material:** Holotype: ZIN 48406. Ebert *et al.* (2008) examined 10  
3 uncatalogued specimens at SAM.  
4 **South African distribution:** Endemic. West coast northwest of Strandfontein (WC) to  
5 off Port Elizabeth (EC), and KZN.  
6 **Remarks:** Known only from about a dozen specimens, all juveniles, it is likely  
7 misidentified with its more common congener *L. wallacei*. Adult specimens of this  
8 species should be saved and sent to either SAIAB or SAM.  
9 **Conservation status:** DD (2019).

10

11 ***Leucoraja wallacei* (Hulley, 1970)**

12 Yellowspot Skate

13 *Raja wallacei* Hulley, 1970: 210, fig. 19, pl. 12b. Holotype: ORI B.155. Type locality: Off Cape Town,  
14 34°10'S, 17°45'E, South Africa.

15 **Local synonymy:** *Raia barnardi*: Smith, 1949a: 67, pl. 3 (in part); Smith, 1965: 67, pl. 3  
16 (in part). *Raia caudaspinosa*: Smith, 1949a: 67, fig. 72 (in part); Smith, 1965: 67, fig. 72  
17 (in part). *Raja barnardi*: Wallace, 1967a: 39, figs. 20–21. *Raja wallacei*: Hulley, 1970:  
18 210, fig. b, pl. 12; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 127, fig. 25.23, pl. 6;  
19 Walmsley-Hart *et al.*, 1999: 165. *Raja (Leucoraja) wallacei*: Compagno *et al.*, 1989: 94,  
20 pl.; Compagno *et al.*, 1991: 96; Ebert *et al.*, 1991: 75. *Leucoraja wallacei*: Compagno,  
21 1999: 116; Compagno & Ebert, 2007: 133, fig. 4e; Ebert & Compagno, 2007: 120; Ebert  
22 *et al.*, 2008: 91; NPOA, 2013: 56; da Silva *et al.*, 2015: 247; Ebert, 2014: 69, fig. 108;  
23 Ebert, 2015: 179, fig. 203; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 19; Last *et*  
24 *al.*, 2016g: 291, fig. 19.82; Weigmann, 2016: 949.



1 **South Africa voucher material:** Holotype: ORI B.155. Paratype: ORI B.126. Non-  
2 types: SAIAB 7841, SAIAB 8262, SAIAB 21914, SAIAB 25750, SAIAB 25979, SAIAB  
3 25980, SAIAB 25981, SAIAB 25982, SAIAB 25983, SAIAB 25984, SAIAB 25985,  
4 SAIAB 25986, SAIAB 25988, SAIAB 25989, SAIAB 26233, SAIAB 26234, SAIAB  
5 26235, SAIAB 26236, SAIAB 26237, SAIAB 26238, SAIAB 26239, SAIAB 26240,  
6 SAIAB 26248, SAIAB 26249, SAIAB 26250, SAIAB 26290, SAIAB 26328, SAIAB  
7 26329, SAIAB 26397, SAIAB 26398, SAIAB 26399, SAIAB 26400, SAIAB 26438,  
8 SAIAB 26457, SAIAB 26458, SAIAB 26459, SAIAB 26460, SAIAB 26461, SAIAB  
9 26462, SAIAB 26463, SAIAB 26887, SAIAB 26888, SAIAB 26889, SAIAB 26890,  
10 SAIAB 26891, SAIAB 26892, SAIAB 26893, SAIAB 40957, SAIAB 40958, SAIAB  
11 48519, SAIAB 189019.

12 **South African distribution:** The Orange River (NC) to northern KZN, but most  
13 common off the west and south coasts (Compagno & Ebert, 2007).

14 **Remarks:** This is the more abundant of the two *Leucoraja* species and one of the most  
15 common skate species occurring off South Africa.

16 **Conservation status:** VU (2020).

17

## 18 **Genus *Malacoraja* Stehmann, 1970**

19 Soft Skates

20 *Malacoraja* (subgenus of *Raja*) Stehmann, 1970: 151. Type species: *Raja mollis* Bigelow & Schroeder,  
21 1950, type by original designation.

22

## 23 ***Malacoraja spinacidermis* (Barnard, 1923)**

24 Roughskin Skate

1 *Raia spinacidermis* Barnard, 1923: 440. Holotype (unique): BMNH 1935.7.19.7. Type locality: South  
2 Africa (exact locality unknown).

3 **Local synonymy:** *Raia spinacidermis*: Barnard, 1923: 440; Barnard, 1925: 73, fig. 6, pl.  
4 4: Fowler, 1941: 392; Smith, 1949a: 66 (in part, South Africa, not *Raia durbanensis*, in  
5 synonymy); Smith, 1965: 66 (in part, South Africa). ? *Raia plutonia*: Barnard, 1925: 68  
6 (in part, also including holotype of *Raia albalinea* von Bonde & Swart, 1923 = *R.*  
7 *caudaspinosa*). *Raja spinacidermis*: Norman, 1935: 46; Hulley, 1970: 173, pl. 4; Hulley,  
8 1972a: 86, figs. 58–59; Hulley & Stehmann, 1977: 227, figs. 1–5; Hulley, 1986: 125, fig.  
9 25.19. *Raja (Malacoraja) spinacidermis*: Compagno *et al.*, 1989, pl.; Compagno *et al.*,  
10 1991: 97; Ebert *et al.*, 1991: 76. *Malacoraja spinacidermis*: Compagno, 1999: 116;  
11 Stehmann, 1995: 28; Compagno & Ebert, 2007: 137, fig. 5e; Ebert & Compagno, 2007:  
12 120; Ebert *et al.*, 2008: 91; NPOA, 2013: 55; da Silva *et al.*, 2015: 247; Ebert, 2015: 181,  
13 fig. 205; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 23; Last *et al.*, 2016g: 296, fig.  
14 19.87; McEachran & Séret, 2016: 1386; Séret, 2016: 1345; Weigmann, 2016: 950.

15 **South Africa voucher material:** Holotype: BMNH 1935.7.19.7. Non-type: SAIAB  
16 27330.

17 **South African distribution:** The Orange River (NP) to Cape Point (WC).

18 **Remarks:** This species also occurs in the North Atlantic, but its distribution north of  
19 South Africa is patchy. Morphological and molecular comparison of specimens from  
20 South Africa and the North Atlantic may confirm if it is the same species or if they are  
21 different.

22 **Conservation status:** LC (2007).

23

24 **Genus *Neoraja* McEachran & Compagno, 1982**

1 Pygmy Skates

2 *Neoraja* McEachran & Compagno, 1982: 422. Type species: *Breviraja caerulea* Stehmann, 1976, type by  
3 original designation.

4

5 ***Neoraja stehmanni* (Hulley, 1972)**

6 African Pygmy Skate

7 *Breviraja stehmanni* Hulley, 1972b: 254, figs. 1–5. Holotype: SAM 26636. Type locality: Cape Basin,  
8 South Africa.

9 **Local synonymy:** ? *Raia plutonia*: Barnard, 1925: 68 (in part). *Breviraja stehmanni*:  
10 Hulley, 1972b: 254, figs. 1–5. *Neoraja* (*Neoraja*) *stehmanni*: Hulley, 1986: 118, fig. 25.5.  
11 *Neoraja stehmanni*: Compagno *et al.*, 1989: 88, pl.; Compagno *et al.* 1991: 93; Ebert *et*  
12 *al.*, 1991: 76; Stehmann, 1995: 104; Compagno, 1999: 116; Compagno & Ebert, 2007:  
13 137, fig. 5f; Ebert & Compagno, 2007: 120; Ebert *et al.*, 2008: 92; Ebert, 2014: 71, fig.  
14 110; Ebert, 2015: 183, fig. 207; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 24; Last  
15 *et al.*, 2016g: 301, fig. 19.92; Weigmann, 2016: 950.

16 **South Africa voucher material:** Holotype: SAM 26636. Non-types: SAIAB 54532,  
17 SAIAB 54999, SAIAB 64275.

18 **South African distribution:** Endemic. Occurs from southwest of the Orange River (NC)  
19 to south of Cape Point and east to Algoa Bay (EC), with a population concentration  
20 between Saldanha Bay and Cape Point.

21 **Remarks:** This is one of the smallest southern African skate species and is endemic to  
22 South Africa. Its distribution appears to be very localized compared to other regional  
23 skate species.

24 **Conservation status:** LC (2019).

1

2 **Genus *Raja* Linnaeus, 1758**

3 Ocellate Skates

4 *Raja* Linnaeus, 1758: 231. Type species: *Raja miraletus* Linnaeus, 1758, type by subsequent designation.

5

6 ***Raja ocellifera* Regan, 1906a**

7 Twineyed Skate

8 *Raja ocellifera* Regan, 1906a: 2, Pl. 2. Syntypes: BMNH 1905.6.8.14 (1), NMP (1); probable syntype

9 BMNH 1895.12.27.14 (1). Type locality: Algoa Bay, northeast of Bird Island, Eastern Cape, South Africa.

10 **Local synonymy:** *Raia ocellifera*: Regan, 1906a: 2, Pl. 2; Regan, 1908a: 242; Garman,

11 1913: 365 (South Africa, in part); Gilchrist & Thompson, 1916: 270; von Bonde &

12 Swart, 1923: 5; Barnard, 1925: 67; Fowler, 1925b: 193; von Bonde, 1933: 51; Barnard,

13 1947: 26, fig. 2, pl. 4; Smith, 1949a: 66, pl. 3; Smith, 1964: 285; Smith, 1965: 66, pl. 3.

14 *Raja ocellifera*: Thompson, 1914: 158; Norman, 1935: 42; Fowler, 1941: 375; Hulley,

15 1969: 137, figs. 1–3; Last & Séret, 2016: 477; Last *et al.*, 2016f: 23; Last *et al.*, 2016g:

16 326, fig. 19.117. *Raja miraletus*: Thompson, 1914: 158; Fowler, 1936: 114; Fowler,

17 1941: 375 (in part, including *Raia parcomaculata* in synonymy); Wallace, 1967a: 31,

18 figs. 16–17; Hulley, 1969: 137, figs. 1–2c; Hulley, 1970: 179, fig. 9, pl. 7b; Hulley,

19 1972a: 86, figs. 58–59; Hulley, 1986: 123, fig. 25.14, pl. 6; Stehmann, 1995: 106;

20 Compagno, 1999: 116; Heemstra & Heemstra, 2004: 81; Compagno & Ebert, 2007: 139,

21 fig. 7a; Ebert & Compagno, 2007: 121; Ebert *et al.*, 2008: 92; NPOA, 2013: 54; da Silva

22 *et al.*, 2015: 247; Ebert & van Hees, 2015: 147; Weigmann, 2016: 955. *Raia miraletus*:

23 von Bonde & Swart, 1923: 5; Barnard, 1925: 68 (in part, not types of *Cruriraja*

24 *parcomaculata*); Clark, 1926: 9 (Cape Colony, Mossel Bay). *Raja (Raja) miraletus*:

1 Compagno *et al.*, 1989: 96, pl.; Compagno *et al.*, 1991: 102.

2 **South Africa voucher material:** Syntypes: BMNH 1905.6.8.14 (1), NMP (1); Probable  
3 syntype: BMNH 1895.12.27.14 (1). Non-types: SAIAB 7842, SAIAB 8067, SAIAB  
4 8270, SAIAB 11148, SAIAB 11149, SAIAB 11150, SAIAB 12007, SAIAB 12031,  
5 SAIAB 12194, SAIAB 13313, SAIAB 14621, SAIAB 16518, SAIAB 17227, SAIAB  
6 17414, SAIAB 26903, SAIAB 26904, SAIAB 26905, SAIAB 26906, SAIAB 26907,  
7 SAIAB 27152, SAIAB 27153, SAIAB 27154, SAIAB 27155, SAIAB 27156, SAIAB  
8 44240, SAIAB 44250.

9 **South African distribution:** Possibly endemic to South Africa. Confirmed from Western  
10 Cape to Port Alfred (EC) and from Durban to Richards Bay (KZN). Records outside of  
11 South Africa require confirmation.

12 **Remarks:** Recent molecular and morphological data reveal that the South African form  
13 is distinct from other similar species in the Eastern Atlantic. The reported range from  
14 southern Namibia to KZN, and possibly extending to Kenya, requires confirmation as  
15 records from north of South Africa may represent different species.

16 **Conservation status:** EN (2020).

17

## 18 ***Raja straeleni* Poll, 1951**

19 Biscuit Skate

20 *Raja straeleni* Poll, 1951: 118, fig. 54, pls. 8 (fig. 3). Syntypes: IRSNB 99 (1), 100-107 (1, 1, 2, 1, 3, 1, 2,  
21 9); MRAC 80327-32 (6). Type locality: Off Angola, 13°05'S, 12°46'E.

22 **Local synonymy:** *Raja clavata*: Gilchrist, 1922a: 7; Fowler, 1936: 110; Fowler, 1941:  
23 360; Hulley, 1966: 508, fig. 8; Wallace, 1967a: 35, figs. 4, 18–19; Hulley, 1970: 183, fig.  
24 10, pl. 6a; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 120, fig. 25.7, pl. 6. *Raia*

1 *clavata*: Barnard, 1925: 64, fig. 2, pl. 4 (in part?); von Bonde, 1934: 16; Barnard, 1959:  
2 26, fig. 1, pl. 4. *Raja bonae-speiensis*: Fowler, 1910: 468 (replacement name for *Raja*  
3 *capensis* Müller & Henle, 1841). *Raja capensis*: Müller & Henle, 1841: 151; Gray, 1851:  
4 112; Bleeker, 1860b: 58; Duméril, 1865: 540, figs. 11–12, pl. 12; Günther, 1870: 455;  
5 Gilchrist, 1902: 168; Thompson, 1914: 157; Gilchrist, 1921: 34. *Raia capensis*: von  
6 Bonde & Swart, 1923: 4. *Raia maculata*: ? Barnard, 1925: 71; ? von Bonde, 1933: 32.  
7 *Raja maculata*: ? Bleeker, 1860: 58b; ? Gilchrist, 1902: 168; ? Thompson, 1914: 157.  
8 *Raia oculata*: ? von Bonde & Swart, 1923: 4. *Raia ocellifera*: Garman, 1913: 365 (South  
9 Africa, in part, *R. capensis* and *R. rhizacanthus* in synonymy). *Raia quadrimaculata*: ?  
10 von Bonde & Swart, 1923: 5; ? von Bonde, 1934: 16. *Raia rhizacanthus*: Regan, 1906a:  
11 3, pl. 3; Regan, 1908a: 242; Gilchrist & Thompson, 1916: 288; von Bonde & Swart,  
12 1923: 5; Smith, 1949a: 66; Smith, 1965: 66. *Raja rhizacanthus*: Thompson, 1914: 158;  
13 Norman, 1935: 40; Smith & Smith, 1966: 29, fig.; Hulley, 1966: 499 (= *Raja clavata*). ?  
14 *Raia smithi*: Smith, 1949a: 66, pl. 3 (in part ?); Smith, 1965: 66, pl. (in part ?). *Raja*  
15 *straeleni*: Hulley, 1970: 187, fig. 11, pl. 6b; Stehmann, 1971: 187, figs. 8–13; Hulley,  
16 1972a: 86, figs. 58–59; Hulley, 1986: 126, fig. 25.22; Compagno *et al.*, 1989: 94, pl.;  
17 Stehmann, 1995: 49; Compagno, 1999: 117; Heemstra & Heemstra, 2004: 80; Compagno  
18 & Ebert, 2007: 141, fig. 7c; Ebert & Compagno, 2007: 121; Ebert *et al.*, 2008: 93;  
19 NPOA, 2013: 56; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 147; Last & Séret,  
20 2016: 477; Last *et al.*, 2016f: 23; Last *et al.*, 2016g: 331, fig. 19.122; McEachran & Séret,  
21 2016: 1393; Weigmann, 2016: 955. *Raja (Raja)* cf. *clavata*: Compagno *et al.*, 1991: 98;  
22 Ebert *et al.*, 1991: 75.

1 **South Africa voucher material:** SAIAB 11928, SAIAB 11954, SAIAB 21888, SAIAB  
2 21889, SAIAB 21890, SAIAB 21891, SAIAB 21892, SAIAB 21893, SAIAB 21894,  
3 SAIAB 21895, SAIAB 25738, SAIAB 25822, SAIAB 25823, SAIAB 25824, SAIAB  
4 25826, SAIAB 25827, SAIAB 25828, SAIAB 25829, SAIAB 25830, SAIAB 25831,  
5 SAIAB 25832, SAIAB 25833, SAIAB 25834, SAIAB 25835, SAIAB 25836, SAIAB  
6 25837, SAIAB 25838, SAIAB 25839, SAIAB 25840, SAIAB 25841, SAIAB 25842,  
7 SAIAB 25843, SAIAB 25844, SAIAB 25845, SAIAB 25846, SAIAB 25847, SAIAB  
8 25848, SAIAB 25849, SAIAB 25850, SAIAB 25851, SAIAB 25852, SAIAB 25853,  
9 SAIAB 25854, SAIAB 25855, SAIAB 25856, SAIAB 25857, SAIAB 25858, SAIAB  
10 25859, SAIAB 25860, SAIAB 25972, SAIAB 25973, SAIAB 25974, SAIAB 25975,  
11 SAIAB 25976, SAIAB 25977, SAIAB 25978, SAIAB 25987, SAIAB 26243, SAIAB  
12 26244, SAIAB 26245, SAIAB 26246, SAIAB 26247, SAIAB 26292, SAIAB 26406,  
13 SAIAB 26407, SAIAB 26408, SAIAB 26409, SAIAB 26410, SAIAB 26411, SAIAB  
14 26412, SAIAB 26413, SAIAB 26414, SAIAB 26415, SAIAB 26464, SAIAB 26465,  
15 SAIAB 26908, SAIAB 26909, SAIAB 26910, SAIAB 26911, SAIAB 26916, SAIAB  
16 26917, SAIAB 26963, SAIAB 44298, SAIAB 48512, SAIAB 48518.

17 **South African distribution:** The Orange River (NC) to Algoa Bay (EC), possibly to  
18 southern KZN, but requires confirmation.

19 **Remarks:** The most abundant and common skate species in South Africa. It has been  
20 referred to other species including *R. clavata*. The dorsal color pattern is quite variable,  
21 ranging from strikingly ornate pattern to rather plain brown. Whether these variable  
22 patterns represent discrete subpopulations is uncertain.

23 **Conservation status:** DD (2009).

1

2 **Genus *Rajella* Stehmann, 1970**

3 Gray Skates

4 *Rajella* (subgenus of *Raja*) Stehmann, 1970: 151. Type species: *Raja fyllae* Lütken 1887, type by original  
5 designation.

6

7 ***Rajella barnardi* (Norman, 1935)**

8 Bigthorn Skate

9 *Raja barnardi* Norman, 1935: (39) 43, fig. 14. Holotype (unique): BMNH 1935.5.2.65. Type locality: Off  
10 Cape Town, South Africa, 34°S, 17°58'E, southeastern Atlantic.

11 **Local synonymy:** *Raja barnardi*: Norman, 1935: (39) 43, fig. 14; Stehmann, 1995: 51.

12 *Raja confundens*: Hulley, 1970: 203, figs. 17a–c, pls. 11a–b; Hulley, 1972a: 86, figs. 58–

13 59; Hulley, 1986: 121, fig. 25.9. *Raja (Rajella) confundens*: Compagno *et al.*, 1989: 98,

14 pl.; Compagno *et al.* 1991: 104; Ebert *et al.*, 1991: 77. *Rajella barnardi*: Stehmann, 1995:

15 51; Compagno, 1999: 117; Compagno & Ebert, 2007: 135, fig. 4f; Ebert & Compagno,

16 2007: 121; Ebert *et al.*, 2008: 94; Ebert, 2014: 75, fig. 122; Ebert, 2015: 185, fig. 213;

17 NPOA, 2013: 54; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 147; Last *et al.*,

18 2016f: 19; Last *et al.*, 2016g: 334, fig. 19.125; McEachran & Séret, 2016: 1394;

19 Weigmann, 2016: 957.

20 **South Africa voucher material:** SAIAB 7889 [ex ORI B155], SAIAB 11154, SAIAB

21 25791, SAIAB 25792, SAIAB 25793, SAIAB 25794, SAIAB 25795, SAIAB 25796,

22 SAIAB 25797, SAIAB 25798, SAIAB 25799, SAIAB 25800, SAIAB 25801, SAIAB

23 25802, SAIAB 48831, SAIAB 48837.

24 **South African distribution:** The Orange River (NC) to Algoa Bay (EC).



1 **Remarks:** Hulley (1970) who described *Raja confundens* as a new species synonymized  
2 *Rajella barnardi* as a junior synonym of *R. leoparda*. However, Stehmann (1995)  
3 examined the holotypes of both and revived *R. barnardi* as a valid species and  
4 synonymized *R. confundens* as a junior synonym.

5 **Conservation status:** LC (2004).

6

7 ***Rajella caudaspinosa* (von Bonde & Swart, 1923)**

8 Munchkin Skate

9 *Raia caudaspinosa* von Bonde & Swart, 1923: 8, fig. 1, pl. 21. Holotype (unique): whereabouts unknown.

10 Type locality: KwaZulu-Natal, South Africa, southwestern Indian Ocean.

11 **Local synonymy:** *Raia caudaspinosa*: Smith, 1949a: 67, not fig. 72 (= *Leucoraja*  
12 *wallacei*, in part); Smith, 1965: 67 (in part, not fig. 72). *Raia albalinea*: von Bonde &  
13 Swart, 1923: 6, fig. 1, pl. 20. *Raia plutonia*: Barnard, 1925: 68 (in part, for types of *Raia*  
14 *albalinea*). *Raja caudaspinosa*: Norman, 1935: 37; Fowler, 1941: 376; Hulley, 1970: 170,  
15 fig. 7a–c, pl. 3a–b; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 120, fig. 25.7;  
16 Stehmann, 1995: 109. *Raja (Rajella) caudaspinosa*: Compagno *et al.*, 1989: 96, pl.;  
17 Compagno *et al.*, 1991: 103; Ebert *et al.*, 1991: 77. *Rajella caudaspinosa*: Compagno,  
18 1999: 117; Compagno & Ebert, 2007: 135, fig. 5a; Ebert & Compagno, 2007: 121; Ebert  
19 *et al.*, 2008: 94; NPOA, 2013: 53; Ebert, 2014: 76, fig. 123; Weigmann *et al.*, 2014a:  
20 384; da Silva *et al.*, 2015: 247; Ebert, 2015: 185, fig. 210; Ebert & van Hees, 2015: 147;  
21 Last *et al.*, 2016f: 19; Last *et al.*, 2016g: 337, fig. 19.122; Weigmann, 2016: 958;

22 **South Africa voucher material:** SAIAB 21912, SAIAB 25740, SAIAB 25742, SAIAB  
23 25743, SAIAB 25747, SAIAB 25751, SAIAB 25782, SAIAB 25783, SAIAB 25784,  
24 SAIAB 26002, SAIAB 26003, SAIAB 26004, SAIAB 26005, SAIAB 26006, SAIAB

1 26007, SAIAB 26008, SAIAB 26009, SAIAB 26010, SAIAB 26330, SAIAB 26331,  
2 SAIAB 26332, SAIAB 26333, SAIAB 26334, SAIAB 26393, SAIAB 26394, SAIAB  
3 26395, SAIAB 26396, SAIAB 40952, SAIAB 44354, SAIAB 64277.

4 **South African distribution:** The Orange River (NC) to Algoa Bay (EC), with at least  
5 one record from KZN.

6 **Remarks:** The species is near endemic to South Africa with most records from south of  
7 the Orange River to Cape Point, and with only a few scattered records between Algoa  
8 Bay and KZN. It reportedly occurs to south of Lüderitz, southern Namibia, but during a  
9 series of research surveys no specimens were caught north of the Orange River  
10 (Compagno *et al.*, 1991; Compagno & Ebert, 2007).

11 **Conservation status:** LC (2019).

12

13 ***Rajella dissimilis* (Hulley, 1970)**

14 Ghost Skate

15 *Raja dissimilis* Hulley, 1970: 199, figs. 15, pl. 10 (figs. a–b). Holotype: ZMH 25258 [ex ISH 46-1967a].

16 Type locality: West of Cape Town, South Africa, 33°47'S, 17°14'E, southeastern Atlantic.

17 **Local synonymy:** *Raja dissimilis*: Hulley, 1970: 199, figs. 15, pl. 10; Hulley, 1972a: 86,  
18 figs. 58–59; Hulley, 1986: 121, fig. 25.10; Stehmann, 1995: 79. *Raja (Rajella) dissimilis*:  
19 Compagno *et al.*, 1989: 98, pl.; Compagno *et al.*, 1991: 104; Ebert *et al.*, 1991: 77.  
20 *Rajella dissimilis*: Compagno, 1999: 116; Compagno & Ebert, 2007: 135, fig. 5b; Ebert  
21 & Compagno, 2007: 121; Ebert *et al.*, 2008: 95; Ebert, 2014: 75, fig. 120; Ebert, 2015:  
22 185, fig. 211; Weigmann *et al.*, 2014a: 384; Ebert & van Hees, 2015: 147; Last *et al.*,  
23 2016f: 19; Last *et al.*, 2016g: 339, fig. 19.130; McEachran & Séret, 2016: 1402;  
24 Weigmann, 2016: 958.

1 **South Africa voucher material:** Holotype: ZMH 25258. Non-types: SAIAB 27140,  
2 SAIAB 27141, SAIAB 27142, SAIAB 53231.

3 **South African distribution:** The Orange River (NC) to St Francis Bay (EC).

4 **Remarks:** A little known, deep-sea skate that is often misidentified with other similar  
5 “grey” skates, but its distribution is now known to include northwest Africa.

6 **Conservation status:** LC (2004).

7

8 ***Rajella leoparda* (von Bonde & Swart, 1923)**

9 Leopard Skate

10 *Raia leopardus* von Bonde & Swart, 1923: 7, fig. 2, pl. 20. Syntypes: (several) BMNH 1935.7.14.2-3 (2).

11 Type locality: KwaZulu-Natal, South Africa, southwestern Indian Ocean.

12 **Local synonymy:** *Raia leopardus*: von Bonde & Swart, 1923: 7, fig. 2, pl. 20; Barnard,  
13 1925: 74; Smith, 1949a: 67, fig. 73; Smith, 1965: 67, fig. 73. *Raia quadrimaculata*: ? von  
14 Bonde & Swart, 1923: 5; Barnard, 1925: 70, fig. 5, pl. 4; ? von Bonde, 1934: 16. *Raia*  
15 *lilinea*: Barnard, 1925: 72 (in part?). *Raia naevus*: Barnard, 1925: 72 (in part?). *Raja*  
16 *leopardus*: Norman, 1935: 37; Fowler, 1941: 390; Hulley, 1970: 206, figs. 18a–c, pls.  
17 12a–b; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986: 122, fig. 25.13; Stehmann, 1995:  
18 87. ? *Raja barnardi*: Norman, 1935: 37, fig. 14; Fowler, 1941: 371. *Raja* (*Rajella*)  
19 *leopardus*: Compagno *et al.*, 1989: 98, pl.; Compagno *et al.*, 1991: 105; Ebert *et al.*,  
20 1991: 77. *Rajella leopardus*: Compagno, 1999: 117; Compagno & Ebert, 2007: 135, fig.  
21 5c; Ebert & Compagno, 2007: 121; Ebert *et al.*, 2008: 95; NPOA, 2013: 54; Ebert, 2014:  
22 75, fig. 121; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 147. *Rajella leoparda*:  
23 Ebert, 2015: 186, fig. 214; Weigmann, *et al.*, 2014a: 383; Last *et al.*, 2016f: 19; Last *et*  
24 *al.*, 2016g: 344, fig. 19.135; McEachran & Séret, 2016: 1402; Weigmann, 2016: 958.

1 **South Africa voucher material:** SAIAB 21919, SAIAB 21920, SAIAB 21921, SAIAB  
2 21922, SAIAB 25739, SAIAB 25741, SAIAB 25765, SAIAB 25771, SAIAB 25803,  
3 SAIAB 25804, SAIAB 25805, SAIAB 25806, SAIAB 25807, SAIAB 25808, SAIAB  
4 25809, SAIAB 25810, SAIAB 25811, SAIAB 25812, SAIAB 25813, SAIAB 25814,  
5 SAIAB 25815, SAIAB 25816, SAIAB 25817, SAIAB 25818, SAIAB 25819, SAIAB  
6 25820, SAIAB 25821, SAIAB 25937, SAIAB 25938, SAIAB 25939, SAIAB 25940,  
7 SAIAB 25941, SAIAB 25942, SAIAB 25943, SAIAB 25944, SAIAB 25945, SAIAB  
8 25946, SAIAB 25947, SAIAB 25948, SAIAB 25949, SAIAB 25950, SAIAB 25951,  
9 SAIAB 25952, SAIAB 25953, SAIAB 26241, SAIAB 26252, SAIAB 26291, SAIAB  
10 26326, SAIAB 26327, SAIAB 26405, SAIAB 26918, SAIAB 27149, SAIAB 27150,  
11 SAIAB 27151, SAIAB 27570, SAIAB 27571, SAIAB 34845, SAIAB 40954, SAIAB  
12 40955, SAIAB 40956, SAIAB 40961, SAIAB 40962, SAIAB 40963, SAIAB 40964,  
13 SAIAB 40965, SAIAB 40966, SAIAB 40967, SAIAB 40968, SAIAB 40969, SAIAB  
14 40970, SAIAB 44241, SAIAB 53230, SAIAB 64274.

15 **South African distribution:** The Orange River (NC) to Algoa Bay (EC).

16 **Remarks:** The most common deep-sea skate of the upper continental slopes along the  
17 west coast of South Africa from the Orange River to Cape Point.

18 **Conservation status:** LC (2018).

19

20 ***Rajella ravidula* (Hulley, 1970)**

21 Smoothback Skate

22 *Raja ravidula* Hulley, 1970: 196, figs. a–b, pl. 9. Holotype: ZMH 25261 [ex ISH 50-1967]. Type locality:  
23 West of Cape Town, South Africa, 33°49'S, 17°13'E.

24 **Local synonymy:** *Raja ravidula*: Hulley, 1970: 196, figs. a–b, pl. 9; Hulley, 1972a: 86,

1 figs. 58–59; Hulley, 1986: 124, fig. 25.17; Stehmann, 1995: 93. *Raja (Rajella) ravidula*:  
2 Compagno *et al.*, 1989: 100, pl.; Compagno *et al.*, 1991: 107; Ebert *et al.*, 1991: 79.  
3 *Rajella ravidula*: Compagno, 1999: 117; Compagno & Ebert, 2007: 137, fig. 5d; Ebert &  
4 Compagno, 2007: 121; Ebert *et al.*, 2008: 96; NPOA, 2013: 55; Ebert, 2014: 75, fig. 117;  
5 Weigmann *et al.*, 2014a: 384; da Silva *et al.*, 2015: 247; Ebert, 2015: 185, fig. 209; Ebert  
6 & van Hees, 2015: 147; Last *et al.*, 2016f: 19; Last *et al.*, 2016g: 349, fig. 19.122;  
7 McEachran & Séret, 2016: 1403; Weigmann, 2016: 959.

8 **South Africa voucher material:** Ebert *et al.* (2008) examined 19 uncatalogued  
9 specimens in the collection at SAM.

10 **South African distribution:** The Orange River (NC) to southwest of Cape Point (WC).

11 **Remarks:** A very poorly known skate from the upper continental slopes off the west  
12 coast of South Africa.

13 **Conservation status:** LC (2019).

14

## 15 **Genus *Rostroraja* Hulley, 1972**

16 Spearnose Skates

17 *Rostroraja* (subgenus of *Raja*) Hulley, 1972: 77. Type species: *Raja alba* Lacepède 1803, type by original  
18 designation.

19

## 20 ***Rostroraja alba* Lacepède, 1803**

21 Spearnose Skate

22 *Raja alba* Lacepède, 1803: 661, 663, Pl. 20 (Fig. 1). No types known. Type locality: France, La  
23 Manche/English Channel.

24 **Local synonymy:** *Raia marginata*: Regan, 1908a: 242; Gilchrist & Thompson, 1916:

1 270; Barnard, 1925: 65, fig. 1, pl. 4; Clark, 1926: 47, pls. 28–30, 31a (South Africa); von  
2 Bonde, 1933: 41; von Bonde, 1934: 16; Barnard, 1947: 26, fig. 11, pl. 3. *Raja marginata*:  
3 Thompson, 1914: 158. *Raia alba*: von Bonde & Swart, 1923: 5; Smith, 1949a: 66, fig.  
4 67; Smith, 1964: 285; Smith, 1965: 66, fig. 67. *Raja alba*: Norman, 1935: 37; Fowler,  
5 1941: 365; Hulley, 1966: 497, fig. 8; Wallace, 1967a: 27, figs. 13–15; Hulley, 1969: 137;  
6 Hulley, 1970: 176, figs. 8a–c, pls. 5a–b; Hulley, 1972a: 86, figs. 58–59; Hulley, 1986:  
7 119, fig. 25.6; Stehmann, 1995: 104. *Raja (Rostroraja) alba*: Compagno *et al.*, 1989: 94,  
8 pl.; Compagno *et al.*, 1991: 107; Ebert *et al.*, 1991: 73. *Rostroraja alba*: Compagno,  
9 1999: 117; Heemstra & Heemstra, 2004: 81; Compagno & Ebert, 2007: 141, fig. 7d;  
10 Ebert & Compagno, 2007: 121; Ebert *et al.*, 2008: 96; NPOA, 2013: 53; da Silva *et al.*,  
11 2015: 247; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 24; Last *et al.*, 2016g: 352,  
12 fig. 19.143; McEachran & Séret, 2016: 1403; Weigmann, 2016: 959.

13 **South Africa voucher material:** SAIAB 7839, SAIAB 7840, SAIAB 7841, SAIAB  
14 7854, SAIAB 7864, SAIAB 7881, SAIAB 8065, SAIAB 8531, SAIAB 10093, SAIAB  
15 11152, SAIAB 11153, SAIAB 11927, SAIAB 12682, SAIAB 12835, SAIAB 13298,  
16 SAIAB 16424, SAIAB 25748, SAIAB 25969, SAIAB 26900, SAIAB 26901, SAIAB  
17 26902, SAIAB 41538, SAIAB 41539, SAIAB 44247, SAIAB 48528, SAIAB 48529,  
18 SAIAB 189149, SAIAB 189150.

19 **South African distribution:** The Orange River (NC) to Kosi Bay (KZN).

20 **Remarks:** One of the largest known skates, growing up to 250 cm TL. The population in  
21 South Africa appears to be centered along the west coast to Algoa Bay.

22 **Conservation status:** EN (2006).

23

1 **Family Anacanthobatidae von Bonde & Swart, 1923**

2 Legskates

3 **Genus *Anacanthobatis* von Bonde & Swart, 1923**

4 Smooth Legskates

5 *Anacanthobatis* von Bonde & Swart, 1923: errata [18]. Type species: *Anacanthobatis marmoratus* von  
6 Bonde & Swart, 1923, type by subsequent designation.

7

8 ***Anacanthobatis marmorata* (von Bonde & Swart, 1923)**

9 Spotted Legskate

10 *Leiobatis marmoratus* von Bonde & Swart, 1923: 18, pl. 23. Lectotype: SAIAB [formerly RUSI] 662  
11 selected by Hulley, 1973: 133. Type locality: KwaZulu-Natal coast, 30°09'45"S, 30°58'02"E, South Africa,  
12 southwestern Indian Ocean.

13 **Local synonymy:** *Leiobatis marmoratus*: von Bonde & Swart, 1923: 18, pl. 23; Fowler,  
14 1941: 448. *Leiobatis dubius*: von Bonde & Swart, 1923: 19 (originally published with  
15 genus *Leiobatis*, but separate errata sheet says that it should *Anacanthobatis*); Fowler,  
16 1941: 448. *Anacanthobatis marmoratus*: Barnard, 1925: 79; Fowler, 1941: 448; Smith,  
17 1949a: 71, fig. 84; Bigelow & Schroeder, 1953: 327; Barnard, 1959: 27, fig., 4; Smith,  
18 1961a: 71, fig. 84; Smith, 1965: 71, fig. 84; Wallace, 1967a: 43, figs 22–23; Hulley,  
19 1973: 131; Hulley, 1986: 126, fig. 26.1; Compagno *et al.*, 1989: 86, pl.; Compagno,  
20 1999: 117; Compagno & Ebert, 2007: 141, fig. 7e; Ebert & Compagno, 2007: 122; Ebert,  
21 2014: 55, fig. 73; Ebert & van Hees, 2015: 147. *Springeria dubia*: Bigelow & Schroeder,  
22 1953: 328. *Anacanthobatis marmorata*: Séret *et al.*, 2016c: 496, fig. 22.1; Weigmann,  
23 2016: 961.

24 **South Africa voucher material:** SAIAB [formerly RUSI] 662, SAIAB 10430.

1 **South African distribution:** Known from a few records off KZN.

2 **Remarks:** A regional endemic to KZN and Mozambique. There are two WC records  
3 from near Mossel Bay, but these require confirmation since this area has been heavily  
4 surveyed without a single specimen being captured (von Bonde, 1933; Compagno &  
5 Ebert, 2007).

6 **Conservation status:** NT (2020).

7

8 **Family Gurgesiellidae de Buen, 1959**

9 Pygmy Skates

10 **Genus *Cruriraja* Bigelow & Schroeder, 1948a**

11 Rough Legskates

12 *Cruriraja* Bigelow & Schroeder, 1948a: 549. Type species: *Cruriraja atlantis* Bigelow & Schroeder,  
13 1948a. Type by original designation.

14

15 ***Cruriraja durbanensis* (von Bonde & Swart, 1923)**

16 Smoothnose Legskate

17 *Raia durbanensis* von Bonde & Swart, 1923: 11, fig. 1, pl. 22. Syntypes: (2) whereabouts unknown. Type  
18 locality: Hondeklip Bay, southwestern South Africa, southeastern Atlantic.

19 **Local synonymy:** *Raia durbanensis*: von Bonde & Swart, 1923: 11, fig. 1, pl. 22;  
20 Barnard, 1925: 69. *Cruriraja durbanensis*: Bigelow & Schroeder, 1948a: 550; Bigelow &  
21 Schroeder, 1953: 315; Bigelow & Schroeder, 1962: 199; Smith, 1964: 287; Wallace,  
22 1967a: 7; Hulley, 1970: 156, fig. 3; Hulley, 1986: 116, fig. 25.2; Compagno *et al.*, 1989:  
23 84, pl. Compagno *et al.*, 1991: 91; Ebert *et al.*, 1991: 79; Stehmann, 1995: 103;  
24 Compagno, 1999: 117; Compagno & Ebert, 2007: 141, fig. 8a; Ebert & Compagno, 2007:



1 122; Aschliman *et al.*, 2010: 370; Ebert, 2015: 174, fig. 191; Ebert & van Hees, 2015:  
2 147; Weigmann, 2016: 963; Weigmann *et al.*, 2016a: 478, fig. 21.4. *Raia spinacidermis*:  
3 Smith, 1949a: 66 (in part *Raia durbanensis* in synonymy); Smith, 1965: 66 (in part).)  
4 **South Africa voucher material:** Syntypes, 2 specimens both lost. No other known  
5 specimens available.  
6 **South African distribution:** Endemic. Hondeklip Bay (NC).  
7 **Remarks:** The only two known specimens are lost and to date no other specimens of this  
8 species have been observed despite extensive surveys along the west coast. The specific  
9 name “*durbanensis*” is misleading since the only known specimens were caught off the  
10 west coast in very deepwater.

11 **Conservation status:** DD (2019).

12

13 ***Cruriraja hulleyi* Aschilman, Ebert, & Compagno, 2010**

14 Roughnose Legskate

15 *Cruriraja hulleyi* Aschilman, Ebert, & Compagno, 2010: 364, figs. 1, 2a–b, 3a–b. Holotype: SAM 37618.

16 Type locality: Off Port Elizabeth, South Africa, ca. 34°29.6'S, 25°28.3'E.

17 **Local synonymy:** *Raia miraletus*: Barnard, 1925: 68 (in part, for types of *C.*  
18 *parcomaculata*); Fowler, 1941: 375 (in part, KZN, South Africa), also including *Raia*  
19 *parcomaculata* von Bonde & Swart, 1923 (in synonymy). *Cruriraja parcomaculata* (*non*  
20 von Bonde & Swart = *C. hulleyi* Aschilman *et al.*, 2010): Smith, 1964: 288, pls. 26–27  
21 (Algoa Bay, EC); Hulley, 1970: 157, fig. 4, pl. 1a (in part); Hulley, 1972a: 86, figs. 58–  
22 59 (in part); Hulley, 1986: 117, fig. 25.3 (in part); Compagno *et al.*, 1989: 84, pl. (in  
23 part); Compagno *et al.*, 1991: 92; Ebert *et al.*, 1991: 73; Stehmann, 1995: 103;  
24 Compagno, 1999: 117. *Raja caudaspinosa* (*non* von Bonde & Swart): Norman, 1935: 43

1 (in part). *Raia smithi*: Smith, 1949a: 66, fig. 68 (in part, South Africa, thought to be  
2 young of *Bathyraja smithii*); Smith, 1961a: 66, fig. 68; Smith, 1965: 66, fig. 68 (in part,  
3 South Africa). *Cruriraja 'parcomaculata' sensu* (Smith, 1964) (not von Bonde & Swart,  
4 1923): Compagno & Ebert, 2007: 141, fig. 8b; Ebert & Compagno, 2007: 122; Ebert *et*  
5 *al.*, 2008: 84. *Cruriraja hulleyi*: Aschilman *et al.*, 2010: 364, figs. 1, 2a–b, 3a–b; Ebert,  
6 2014: 174, fig. 193; Ebert, 2015: 58, fig. 79; Ebert & van Hees, 2015: 147; Last *et al.*,  
7 2016f: 29; Weigmann *et al.*, 2016a: 479, fig. 19.143; Weigmann, 2016: 963.

8 **South Africa voucher material:** Holotype: SAM 37618. Paratype: SAM 37619. Non-  
9 types: SAIAB 12844, SAIAB 21910, SAIAB 21911, SAIAB 21934, SAIAB 21935,  
10 SAIAB 22509, SAIAB 25744, SAIAB 25749, SAIAB 25752, SAIAB 25861, SAIAB  
11 25862, SAIAB 25863, SAIAB 25864, SAIAB 25865, SAIAB 25866, SAIAB 25867,  
12 SAIAB 25868, SAIAB 25869, SAIAB 25870, SAIAB 25871, SAIAB 25872, SAIAB  
13 25873, SAIAB 25874, SAIAB 25875, SAIAB 25876, SAIAB 25877, SAIAB 26011,  
14 SAIAB 26167, SAIAB 26168, SAIAB 26169, SAIAB 26170, SAIAB 26171, SAIAB  
15 26172, SAIAB 26173, SAIAB 26174, SAIAB 26242, SAIAB 26251, SAIAB 26377,  
16 SAIAB 26378, SAIAB 26379, SAIAB 26380, SAIAB 26381, SAIAB 26437, SAIAB  
17 26894, SAIAB 26895, SAIAB 26896, SAIAB 26897, SAIAB 26898, SAIAB 26899,  
18 SAIAB 27574, SAIAB 44297, SAIAB 48513, SAIAB 48522, SAIAB 189748,

19 **South African distribution:** The Orange River (NC) to Algoa Bay (EC) and possibly to  
20 East London (EC).

21 **Remarks:** Compagno & Ebert (2007) raised the issue that *C. triangularis* is actually *C.*  
22 *parcomaculata* and that the Eastern and Western Cape *Cruriraja* was an undescribed  
23 species. Aschilman *et al.* (2010) reviewed the issue and described a new species, *C.*

1 *hulleyi*, from the Eastern and Western Cape.

2 **Conservation status:** LC (2019).

3

4 ***Cruriraja parcomaculata* (von Bonde & Swart, 1923)**

5 Triangular Legskate

6 *Raia parcomaculata* von Bonde & Swart, 1923: 9, fig. 2, pl. 21. Syntypes: (several) BMNH 1935.7.14.1

7 (1). Type locality: KwaZulu-Natal, South Africa.

8 **Local synonymy:** *Raja parcomaculata*: von Bonde & Swart, 1923: 9, fig. 2, pl. 21;

9 Norman, 1935: 46 (KZN, South Africa). *Raia miraletus*: Barnard, 1925: 68 (in part, for  
10 types of *C. parcomaculata*); Fowler, 1941: 375 (in part, KZN, South Africa), also

11 including *Raia parcomaculata* von Bonde & Swart, 1923 (in synonymy). *Cruriraja*

12 *parcomaculata*: Bigelow & Schroeder, 1948a: 550 (KZN, South Africa); Bigelow &

13 Schroeder, 1953: 315 (KZN, South Africa); Bigelow & Schroeder, 1962: 199 (KZN,

14 South Africa); Wallace, 1967a: 11, fig. 6 (rare off Durban); Hulley, 1970: 157, fig. 4, pl.

15 1a (in part, holotype lost, off Durban); Hulley, 1972a: 86, figs. 58–59 (in part); Hulley,

16 1986: 117, fig. 25.3 (in part); Compagno *et al.*, 1989: 84, pl. (in part); Ebert, 2014: 57,

17 fig. 78; Ebert & van Hees, 2015: 147; Last *et al.*, 2016f: 29; Weigmann *et al.*, 2016a:

18 480, fig. 21.6. *Cruriraja triangularis*: Smith, 1964: 290, pl. 28 (original description, = *C.*

19 *parcomaculata* von Bonde & Swart, 1923); Hulley, 1986: 117, fig. 25.3; Compagno *et*

20 *al.*, 1989: 84, pl.; Compagno, 1999: 117; Ebert & Compagno, 2007: 122; Aschliman *et*

21 *al.*, 2010: 369 (synonym of *C. parcomaculata*). *Cruriraja parcomaculata* (von Bonde &

22 Swart, 1923) = *Cruriraja 'triangularis'* (Smith, 1964): Compagno & Ebert, 2007: 143,

23 fig. 8c; Ebert *et al.*, 2008: 86; Weigmann, 2016: 963.

1 **South Africa voucher material:** BMNH 1935.7.14.1 (1) (several syntypes *C.*  
2 *parcomaculata*). SAIAB [former RUSI] 50 (Paratype of *C. triangularis*), SAIAB 10092,  
3 SAIAB 10094, SAIAB 10095, SAIAB 10096, SAIAB 10097, SAIAB 188326, SAIAB  
4 188974, SAIAB 189239.

5 **South African distribution:** Occurs from Durban north to the KZN border with  
6 Mozambique.

7 **Remarks:** A very small skate with a limited range from about Durban to southern  
8 Mozambique. It has a complicated taxonomic history due to it being described as *C.*  
9 *triangularis* (Smith, 1964) and most subsequent authors referring to the Eastern and  
10 Western Cape form as *C. parcomaculata*. The issue was resolved by Aschliman *et al.*  
11 (2010) who concluded that *C. triangularis* is a junior synonym of *C. parcomaculata*.

12 **Conservation status:** LC (2019).

13

#### 14 **Order Myliobatiformes**

#### 15 **Family Plesiobatidae Nishida, 1990**

16 Deep-sea Stingrays

#### 17 **Genus *Plesiobatis* Nishida, 1990**

18 Deep-sea Stingrays

19 *Plesiobatis* Nishida, 1990: 98. Type by original designation (also monotypic).

20

#### 21 ***Plesiobatis daviesi* (Wallace, 1967c)**

22 Deep-sea Stingray

23 *Urotrygon daviesi* Wallace, 1967c: 8, figs 3–4. Holotype: SAIAB 7861 [ex. ORI B865], Mozambique  
24 Channel, off Limpopo River estuary, Mozambique, 25°25'S, 33°35'E.

1 **Local synonymy:** *Urotrygon daviesi*: Wallace, 1967c: 8, figs 3–4; Compagno *et al.*,  
2 1989: 100, pl. *Plesiobatis daviesi*: Compagno, 1999: 117; Ebert *et al.*, 2002: 356; Ebert,  
3 2014: 83, fig. 132; Ebert & van Hees, 2015: 147; Séret & Last, 2016: 675, fig. 28.1;  
4 Weigmann, 2016: 989.

5 **South Africa voucher material:** Ebert *et al.* (2002) reported on two specimens caught  
6 off northern KZN, but both were discarded. We are unaware of any South African  
7 specimens in museum collections.

8 **South African distribution:** Northern KZN.

9 **Remarks:** This species was long thought to be rare and known only from the type series  
10 off the Limpopo River estuary, but it has since been found to be quite common at depth  
11 throughout the Indo-West Pacific region from northern KZN, South Africa to Japan and  
12 northern Australia.

13 **Conservation status:** LC (2015).

14

15 **Family Hexatrygonidae Heemstra & Smith, 1980**

16 Sixgill Stingray

17 **Genus *Hexatrygon* Heemstra & Smith, 1980**

18 Sixgill Stingray

19 *Hexatrygon* Heemstra & Smith, 1980: 1. Type by original designation (also monotypic).

20

21 ***Hexatrygon bickelli* Heemstra & Smith, 1980**

22 Sixgill Stingray

23 *Hexatrygon bickelli* Heemstra & Smith, 1980: 6, figs 1–13, 15. Holotype: SAIAB [formerly RUSI] 997,  
24 washed up on beach at Port Elizabeth, South Africa, ca. 33°59.5' S, 25°40.7' E.

1 **Local synonymy:** *Hexatrygon bickelli*: Heemstra & Smith, 1980: 6, figs 1–13, 15; Smith  
2 & Heemstra, 1986b: 142, fig. 31.1; Compagno *et al.*, 1989: 100, pl.; Compagno, 1999:  
3 117; Ebert, 2014: 88, fig. 136; Ebert, 2015: 191, fig. 216; Ebert & van Hees, 2015: 147;  
4 Séret & de Carvalho, 2016: 510, fig. 23.1; Weigmann, 2016: 989.

5 **South Africa voucher material:** SAIAB 997, SAIAB 27054.

6 **South African distribution:** Port Elizabeth (EC) and possibly the west coast (WC).

7 **Remarks:** The type specimen for this remarkable species was a female that washed up on  
8 Summerstrand Beach, Port Elizabeth (EC). The pregnant female gave birth to three near-  
9 term embryos that were also retained as part of the type series.

10 **Conservation status:** LC (2015).

11

## 12 **Family Dasyatidae Jordan & Gilbert, 1879**

13 Stingrays

14 **Remarks:** Authorship for the family Dasyatidae is often attributed to Jordan (1888), but  
15 van der Lann *et al.* (2014) noted that authorship should be corrected to Jordan & Gilbert  
16 (1879). In their original description Jordan & Gilbert (1879: 386), the family name was  
17 spelled Dasybatidae, but later corrected by (Jordan, 1888: 22) to Dasyatidae (van der  
18 Lann *et al.*, 2014; Last *et al.*, 2016h).

## 19 **Genus *Bathytoshia* Whitley, 1933**

20 Giant Stingrays

21 *Bathytoshia* Whitley, 1933: 61. Type species: *Dasyatis thetidis* Ogilby *in* Waite, 1899, type by original  
22 designation, also monotypic.

23

## 24 ***Bathytoshia brevicaudata* (Hutton, 1875)**

1 Shorttail Stingray

2 *Trygon brevicaudata* Hutton, 1875: 317. Holotype (unique): OM A.75.02 (stuffed). Type locality: Dunedin  
3 Harbor, New Zealand.

4 **Local synonymy:** *Trygon schreineri*: Gilchrist, 1913: 33, fig. (original description,  
5 holotype SAM 16053, caught off rocks at St James in False Bay, South Africa).

6 *Dasybatis schreineri*: von Bonde & Swart, 1923: 16; Barnard, 1925: 76; Smith, 1949a:  
7 70; Barnard, 1959: 27. *Dasyatis brevicaudatus*: Smith, 1949a: 70, fig. 81; Smith, 1961a:  
8 70, fig. 81; Smith, 1965: 70, fig. 81; Wallace, 1967c: 37, figs. 18–19; Compagno &  
9 Heemstra, 1984: 3; Compagno, 1999: 117; NPOA, 2013: 60. *Dasyatis brevicaudata*:  
10 Compagno, 1986: 136, fig. 30.1; Compagno *et al.*, 1989: 102, pl; da Silva *et al.*, 2015:  
11 246; Ebert & van Hees, 2015: 147; Weigmann, 2016: 964. *Bathytoshia brevicaudata*:  
12 Last *et al.*, 2016h: 354; Last *et al.*, 2016i: 530, fig. 25.1.

13 **South Africa voucher material:** Holotype: SAM 16053. Non-types: SAIAB 7866 [ex  
14 ORI B805], SAIAB 26469, SAIAB 26470, SAIAB 27444.

15 **South African distribution:** Saldanha Bay, west coast (WC) to Kosi Bay, northern  
16 KZN.

17 **Remarks:** The first record of this species from South African waters was caught by an  
18 angler and described by Gilchrist (1913) as a new species (*Trygon schreineri*). However,  
19 Wallace (1967c) examined additional specimens from South Africa and compared them  
20 with New Zealand specimens and concluded that they were the same species and that  
21 *Trygon schreineri* (= *D. brevicaudata*) should be relegated to junior synonym status.

22 **Conservation status:** LC (2016).

23

24 ***Bathytoshia lata* (Garman, 1880)**

1 Brown Stingray

2 *Trygon lata* Garman, 1880: 170. Holotype (unique): MCZ 129-S. Type locality: Hawaiian Islands.

3 **Local synonymy:** *Dasyabatis agulhensis*: Barnard, 1925: 78 (original description,  
4 holotype apparently lost, caught on the Agulhas Bank, South Africa); Fowler, 1941: 418;  
5 Smith, 1949a: 70. *Dasyatis lubricus*: Smith, 1957e: 429, pl. 15 (original description,  
6 Algoa Bay, holotype SAIAB [former RUSI] 431); Smith, 1961a: 565, fig. 79a, pl. 108.  
7 *Dasyatis thetidis*: Wallace, 1967c: 40, fig. 20; Compagno & Heemstra, 1984: 3;  
8 Compagno, 1986: 137, fig. 30.4; Compagno *et al.*, 1989: 102, pl.; Compagno, 1999: 117;  
9 Ebert & van Hees, 2015: 147; Weigmann, 2016: 969. *Bathytoshia lata*: Last *et al.* 2016h:  
10 354; Last *et al.* 2016i: 532, fig. 25.3.

11 **South Africa voucher material:** SAIAB 431 (Holotype of *D. lubricus*). SAIAB 7868  
12 [former ORI B842], SAIAB 7878 [former ORI B806], SAIAB 7890 [former ORI B843],  
13 SAIAB 26642, SAIAB 26969, SAIAB 27443, SAIAB 27575, SAIAB 40960, SAIAB  
14 79496.

15 **South African distribution:** Cape Agulhas (WC) to Kosi Bay (KZN).

16 **Remarks:** Barnard (1925) first reported this species in South African waters by  
17 describing *Dasyatis agulhensis* as a new species. Smith (1957e) also described it as a new  
18 species, *D. lubricus*, from off Algoa Bay, but both these species were synonymized by  
19 Wallace (1967c) as *D. thetidis*, which was long considered valid until Last *et al.* (2016h)  
20 revised the family and concluded that it is *Bathytoshia lata*, a wide ranging species of  
21 large stingray found in the Indo-Pacific and Eastern Atlantic, including the Mediterranean  
22 Sea.

23 **Conservation status:** NE.

24



1 **Genus *Dasyatis* Rafinesque, 1810a**

2 Fintail Stingrays

3 *Dasyatis* Rafinesque, 1810a: 16. Type species: *Dasyatis ujo* Rafinesque, 1810a, by monotypy, a junior  
4 synonym of *D. pastinaca* (Linnaeus, 1758).

5

6 ***Dasyatis chrysonota* (Smith, 1828)**

7 Blue Stingray

8 *Trygon chrysonota* Smith [A.], 1828: 2. Neotype: SAM 31697 (designated by Cowley & Compagno, 1993:  
9 145). Type locality: Off Gamtoos River, Eastern Cape, South Africa, Western Indian Ocean.

10 **Local synonymy:** *Trygon chrysonota*: Smith [A.], 1828: 2. *Trygon pastinaca*: Bleeker,  
11 1860b: 58; Günther, 1870: 478; Gilchrist, 1902: 168; Norman, 1922: 320. *Dasyatis*  
12 *pastinaca*: Thompson, 1914: 162. *Dasybatus pastinaca*: von Bonde & Swart, 1923: 16;  
13 Barnard, 1925: 77, fig. 8, pl. 4; von Bonde, 1932: 32; Barnard, 1959: 27, fig. 3, pl. 4.  
14 *Dasyatis pastinacus*: Fowler, 1941: 420; Smith, 1949a: 70, pl. 4; Smith, 1961a: 70, pl. 4;  
15 Smith, 1965: 70, pl. 4; Wallace, 1967c: 34, figs. 16–17; Compagno & Heemstra, 1984: 4;  
16 Compagno, 1986: 137, fig. 30.3, pl. 6. *Dasyatis marmorata*: Compagno *et al.*, 1989: 102,  
17 pl. *Dasyatis chrysonota*: Cowley & Compagno, 1993: 145, fig. 1 (Neotype); Compagno,  
18 1999: 117; Heemstra & Heemstra, 2004: 82; Mann, 2013: 53; NPOA, 2013: 60; da Silva  
19 *et al.*, 2015: 246; Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 355; Last *et al.* 2016i:  
20 537, fig. 25.8; Weigmann, 2016: 965.

21 **South Africa voucher material:** SAIAB 7192, SAIAB 7845, SAIAB 7865, SAIAB  
22 8272, SAIAB 12110, SAIAB 12830, SAIAB 12845, SAIAB 19860, SAIAB 19900,  
23 SAIAB 31825, SAIAB 31826, SAIAB 41546, SAIAB 44321, SAIAB 44348, SAIAB  
24 44349, SAIAB 54206, SAIAB 67752.

1 **South African distribution:** Along the entire coast from the Orange River (NC) to the  
2 northern KZN border with Mozambique.

3 **Remarks:** The taxonomic status of this species was usually referred to as *D. pastinaca*  
4 until the issue was examined by Cowley & Compagno (1993) who found that Andrew  
5 Smith (1828) had described it in the same article he also described the Whale Shark  
6 (*Rhincodon typus*). Cowley & Compagno (1993) provide a detailed discussion of the  
7 taxonomic history of this species.

8 **Conservation status:** NT (2020).

9

#### 10 **Genus *Himantura* Müller & Henle, 1837**

11 Whiprays

12 *Himantura* Müller & Henle, 1837b: 400. Type species: *Raja sephen uarnak* Forsskål, 1775, by subsequent  
13 designation.

14

#### 15 ***Himantura leoparda* Manjaji-Matsumoto & Last, 2008**

16 Leopard Whipray

17 *Himantura leoparda* Manjaji-Matsumoto & Last, 2008: 294, figs. 1–4. Holotype: CSIRO H 2903-01. Type  
18 locality: Northwest of Weipa, Gulf of Carpentaria, Queensland, Australia, 12°08'S, 139°58'E,

19 **Local synonymy:** *Trygon uarnak*: Bleeker, 1860b: 58 (in part); Gilchrist, 1902: 169 (in  
20 part). *Dasybatus uarnak*: Regan, 1908a: 242 (in part); von Bonde & Swart, 1923: 16 (in  
21 part); Barnard, 1925: 76; Barnard, 1959: 27. *Dasyatis uarnak* (*non* Gmelin, 1789):  
22 Thompson, 1914: 163 (in part); Gilchrist & Thompson, 1916: 287 (in part); Fowler,  
23 1934b: 409 (in part); Fowler, 1935: 364 (in part); Fowler, 1941: 405 (in part); Smith,  
24 1949a: 70, pl. 4 (in part); Smith, 1961a: 70, pl. 4 (in part); Smith, 1965: 70, pl. 4 (in part);

1 Wallace, 1967c: 44, fig. 22 (figure is *H. leoparda*). *Himantura uarnak* (non Gmelin,  
2 1789): Compagno, 1986: 139, fig. 30.10 (in part); Compagno *et al.*, 1989: 108, pl. (in  
3 part); Compagno, 1999: 117 (in part); da Silva *et al.*, 2015: 246 (in part). *Himantura*  
4 *leoparda*: Manjaji-Matsumoto & Last, 2008: 294, figs. 1–4; da Silva *et al.*, 2015: 246 (in  
5 part); Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 361; Last *et al.* 2016i: 562, fig.  
6 25.33; Weigmann, 2016: 972.

7 **South Africa voucher material:** SAIAB 11155 [ex ORI 581], SAIAB 11156 [ex ORI  
8 B582], SAIAB 16426, SAIAB 80368, SAIAB 201755.

9 **South African distribution:** East London (EC) to the KZN border with Mozambique.

10 **Remarks:** Most publications and records of a large, reticulated patterned stingray species  
11 from KZN previously referred to *Himantura uarnak* are now known to be the relatively  
12 recently described *H. leoparda*, which is the most common large *Himantura* species in  
13 KZN. Its close relative *H. uarnak* does occur on occasion, but is far less common. South  
14 African specimens in museum collections should be re-examined to verify their  
15 identification. For expediency a list of specimens accessioned as both *H. leoparda* and *H.*  
16 *uarnak* are listed here.

17 **Conservation status:** VU (2016).

18

19 ***Himantura uarnak* (Gmelin, 1789)**

20 Reticulate Stingray

21 *Raja uarnak* Gmelin, 1789: 1509. Types: No known types. Type locality: Red Sea [no locality stated].

22 **Local synonymy:** *Trygon uarnak*: Bleeker, 1860b: 58 (in part); Gilchrist, 1902: 169 (in  
23 part). *Dasybatus uarnak*: Regan, 1908a: 242 (in part); von Bonde & Swart, 1923: 16 (in  
24 part); Barnard, 1925: 76; Barnard, 1959: 27. *Dasyatis uarnak* (non Gmelin, 1789):

1 Thompson, 1914: 163 (in part); Gilchrist & Thompson, 1916: 287 (in part); Fowler,  
2 1934b: 409 (in part); Fowler, 1935: 364 (in part); Fowler, 1941: 405 (in part); Smith,  
3 1949a: 70, pl. 4 (in part); Smith, 1961a: 70, pl. 4 (in part); Smith, 1965: 70, pl. 4 (in part);  
4 Wallace, 1967c: 44, fig. 22 (figure is *H. leoparda*). *Himantura uarnak* (non Gmelin,  
5 1789): Compagno & Heemstra, 1984: 3 (in part); Compagno, 1986: 139, fig. 30.10 (in  
6 part); Compagno *et al.*, 1989: 108, pl. (in part); Compagno, 1999: 117 (in part); Heemstra  
7 & Heemstra, 2004: 83. *Himantura uarnak*: Manjaji-Matsumoto & Last, 2008: 293;  
8 Mann, 2013: 59; NPOA, 2013: 61; da Silva *et al.*, 2015: 246 (in part); Ebert & van Hees,  
9 2015: 147; Last *et al.* 2016h: 361; Last *et al.* 2016i: 563, fig. 25.34; Weigmann, 2016:  
10 974.

11 **South Africa voucher material:** SAIAB 11155 [ex ORI 581], SAIAB 11156 [ex ORI  
12 B582], SAIAB 16426, SAIAB 80368, SAIAB 201755.

13 **South African distribution:** East London (EP) to the KZN border with Mozambique.

14 **Remarks:** The recently described *Himanturua tutul* is a junior synonym of *H. uarnak*.

15 See remarks under *H. leoparda*.

16 **Conservation status:** VU (2016).

17

### 18 ***Maculabatis* Last, Naylor, & Manjaji-Matsumoto, 2016h**

19 Band-tailed Stingrays

20 *Maculabatis* Last, Naylor, & Manjaji-Matsumoto, 2016h: 361. Type species: *Trygon gerrardi* Gray, 1851,

21 type by monotypy.

22

### 23 ***Maculabatis cf. ambigua* Last, Bogorodsky, Alpermann, 2016j**

24 Sharpnose Stingray

1 *Maculabatis ambigua* Last, Bogorodsky, & Alpermann, 2016j: 67, figs. 1-6. Holotype: SMF 35803. Type  
2 locality: Red Sea off Jizan, Saudi Arabia, 16°51'N, 42°25'E.

3 **Local synonymy:** *Himantura gerrardi*: Compagno, 1986: 139, fig. 30.9; Compagno *et*  
4 *al.*, 1989: 106, pl.; Compagno, 1999: 117; Ebert & van Hees, 2015: 147.

5 **South Africa voucher material:** None.

6 **South African distribution:** New record, East London (EC) to northern KZN.

7 **Remarks:** This species was previously referred to as *Himantura gerrardi*, but it should  
8 be assigned to the genus *Maculabatis*. It is similar to *M. ambigua*, a species known  
9 presently from the Red Sea to Zanzibar, Tanzania, but may be distinct. It is currently  
10 under investigation. The common name is Baraka's Stingray, but in South Africa it is  
11 known as the Sharpnose Stingray.

12 **Conservation status:** NT (2019).

13

#### 14 ***Megatrygon* Last, Naylor, & Manjaji-Matsumoto, 2016h**

15 Smalleye Stingrays

16 *Megatrygon* Last, Naylor, & Manjaji-Matsumoto, 2016h: 356. Type species: *Trygon microps* Annandale,  
17 1908, type by monotypy.

18

#### 19 ***Megatrygon microps* Annandale, 1908**

20 Smalleye Stingray

21 *Trygon microps* Annandale, 1908: 393, pl. 27. Holotype: ZSI F2410/1. Type locality: Bay of Bengal, off  
22 Chittagong coast.

23 **Local synonymy:** None.

24 **South Africa voucher material:** None, record based on photographs.

25 **South African distribution:** New record, based on a single specimen that was caught by

1 an angler, Craig Bashford, on 12 March 2019 and measured 151 cm DW off North Pier,  
2 Durban Harbor (KZN).

3 **Remarks:** A new record for South Africa, this species maybe more common particularly  
4 in northern KZN, but due to its large size records of its occurrence maybe under reported.

5 **Conservation status:** DD (2016).

6

7 **Genus *Neotrygon* Castelnau, 1873**

8 Maskrays

9 *Neotrygon* Castelnau, 1873: 122. Type species: *Raja trigonoides* Castelnau, 1873, type by monotypy.

10

11 ***Neotrygon caeruleopunctata* Last, White, & Séret, 2016k**

12 Bluespotted Maskray

13 *Neotrygon caeruleopunctata* Last, White, & Séret, 2016k: 546, figs. 5c, 6c, 7c, 10. Holotype: MZB unreg.  
14 (ex CSIRO H 7852-03). Type locality: Kedonganan fish market, Bali, Indonesia, 08°45'S, 115°10'E.

15 **Local synonymy:** *Dasyatis kuhlii*: Compagno & Heemstra, 1984: 1, fig. 9; Compagno,  
16 1986: 137, fig. 30.2, pl. 6; Compagno *et al.*, 1989: 104, pl.; Compagno, 1999: 117.

17 *Neotrygon kuhlii*: NPOA, 2013: 60; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015:  
18 147; Weigmann, 2016: 975. *Neotrygon caeruleopunctata*: Last *et al.* 2016h: 358; Last *et*  
19 *al.* 2016i: 586, fig. 25.57; Last *et al.*, 2016k: 546, figs. 5c, 6c, 7c, 10.

20 **South Africa voucher material:** SAIAB [former RUSI] 14851, SAIAB [former RUSI]  
21 17993, SAIAB [former RUSI] 18548.

22 **South African distribution:** Durban to northern KZN.

23 **Remarks:** First reported from South African waters by Compagno & Heemstra (1984)  
24 from off Durban (as *Dasyatis kuhlii*). There has been considerable resolution of the

1 “bluespotted maskray” species-complex of the Indo-West Pacific recently, but additional  
2 species are likely to be described in the future.

3 **Conservation status:** NE.

4

5 **Genus *Pastinachus* Rüppell, 1829**

6 Cowtail Rays

7 *Pastinachus* Rüppell, 1829: 51. Type species: *Raja sephen* Forsskål 1775, by subsequent designation  
8 (Garman 1913: 375).

9

10 ***Pastinachus ater* (Macleay, 1883)**

11 Broad Cowtail Ray

12 *Taeniura atra* Macleay, 1883a: 598. Holotype: AMS I.9762. Type locality: Port Moresby district, Papua  
13 New Guinea.

14 **Local synonymy:** *Dasyatis sephen*: Smith, 1957e: 431, pl. 16b; Smith, 1961a: 565, fig.  
15 79c, pl. 108; Smith, 1965: 565, fig. 79c, pl. 108; Wallace, 1967c: 42, fig. 21. *Hypolophus*  
16 *sephen*: Compagno & Heemstra, 1984: 3; Compagno, 1986: 140, fig. 30.12; Compagno  
17 *et al.*, 1989: 104, pl. *Pastinachus sephen*: Compagno, 1999: 117; Ebert & van Hees,  
18 2015: 147. *Pastinachus ater*: Last *et al.* 2016h: 364; Last *et al.* 2016i: 594, fig. 25.65.  
19 *Pastinachus atrus*: Weigmann, 2016: 976.

20 **South Africa voucher material:** None examined.

21 **South African distribution:** Northern KZN.

22 **Remarks:** Smith (1957) first reported this stingray, as *Dasyatis sephen*, from northern  
23 KZN. It appears to be rare in South African waters, which is considered to be the edge of  
24 its range.

1 **Conservation status:** NE.

2

3 **Genus *Pateobatis* Last, Naylor, & Manjaji-Matsumoto, 2016h**

4 Whiprays

5 *Pateobatis* Last, Naylor, & Manjaji-Matsumoto, 2016h: 362. Type species: *Trygon uarnacooides* Bleeker,  
6 1852, by original designation.

7

8 ***Pateobatis fai* (Jordan & Seale, 1906)**

9 Pink Whipray

10 *Himantura fai* Jordan & Seale, 1906: 184, fig. 2. Holotype: USNM 51712. Type locality: Apia, Upolu  
11 Island, Samoa.

12 **Local synonymy:** *Dasyatis purpureus* [*non* Smith, A., 1841]: Wallace, 1967c: 50, fig.  
13 24. *Himantura* sp.: Compagno & Heemstra, 1984: 4; Compagno, 1986: 140, fig. 30.11;  
14 Compagno *et al.*, 1989: 106, pl. *Himantura* sp. near *fai*: Compagno, 1999: 117.  
15 *Himantura fai*: Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 356; Last *et al.* 2016i:  
16 600, fig. 25.71; Weigmann, 2016: 970.

17 **South Africa voucher material:** SAIAB 7879 [former ORI B906], SAIAB 7887 [former  
18 ORI B649] (specimens accessioned as *Pteroplatytrygon violacea*).

19 **South African distribution:** Durban to northern KZN.

20 **Remarks:** A poorly known species in South African waters. It is very closely related to  
21 *P. jenkinsii*.

22 **Conservation status:** VU (2016).

23

24 ***Pateobatis jenkinsii* (Annandale, 1909)**



1 Jenkins Whipray

2 *Trygon jenkinsii* Annandale, 1909: 28, figs 4, 4a. Holotype: ZSI F2473/1 (dried skin and jaws). Type  
3 locality: off Ganjam Coast, India.

4 **Local synonymy:** *Dasyatis jenkinsii*: Wallace, 1967c: 47, fig. 23. *Himantura draco*:  
5 Compagno & Heemstra, 1984: 6, figs. 1–8 (original description, vicinity of Durban, KZN,  
6 South Africa, holotype SAIAB [former RUSI] 996; Compagno, 1986: 138, fig. 30.8;  
7 Compagno *et al.*, 1989: 106, pl.; Heemstra & Heemstra, 2004: 83. *Himantura jenkinsii*:  
8 Compagno, 1999: 117; Heemstra & Heemstra, 2004: 83; Ebert & van Hees, 2015: 147;  
9 Weigmann, 2016: 965. *Pateobatis jenkinsii*: Last *et al.* 2016h: 355; Last *et al.* 2016i: 537,  
10 fig. 25.8.

11 **South Africa voucher material:** SAIAB 996 (Holotype of *H. draco*).

12 **South African distribution:** Durban to northern KZN.

13 **Remarks:** The presence of *P. jenkinsii* and other stingray species should be carefully  
14 examined to clarify the species composition occurring in South African waters.

15 **Conservation status:** VU (2016).

16

17 **Genus *Pteroplatytrygon* Fowler, 1910**

18 Pelagic Stingray

19 *Pteroplatytrygon* Fowler, 1910: 474. *Trygon violacea* Bonaparte 1832, by original designation (also  
20 monotypic).

21

22 ***Pteroplatytrygon violacea* (Bonaparte, 1832)**

23 Pelagic Stingray

24 *Trygon violacea* Bonaparte, 1832: fasc. 1, punt. 6, Pl. 155. Syntypes: ANSP 385, ANSP 386, ?NMW 91239

1 (dry). Type locality: Italy, western Mediterranean Sea.

2 **Local synonymy:** *Trygon purpurea*: Smith [A.] in Müller & Henle, 1841: 160, pl. 52

3 (type locality South Africa, no known types; based on drawing by A. Smith [BMNH]);

4 Bleeker, 1860: 58; Gilchrist, 1902: 169. *Dasybatis purpurea*: Thompson, 1914: 163; von

5 Bonde & Swart, 1923: 16; Barnard, 1925: 79; Barnard, 1959: 27. *Dasyatis purpurea*:

6 Barnard, 1934: 229. *Dasyatis purpureus*: Smith, 1949a: 71; Smith, 1961a: 71; Smith,

7 1965: 71. *Dasyatis violacea*: Compagno & Heemstra, 1984: 5; Compagno, 1986: 137,

8 fig. 30.5. *Pteroplatytrygon violacea*: Compagno *et al.*, 1989: 104, pl.; NPOA, 2013: 61;

9 Ebert & Dando, 2014: 95, fig.; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 147;

10 Last *et al.* 2016h: 356; Last *et al.* 2016i: 604, fig. 25.75; Weigmann, 2016: 976.

11 **South Africa voucher material:** SAIAB 25936.

12 **South African distribution:** False Bay (WC) to Algoa Bay (EC), but likely wider

13 ranging along the coast.

14 **Remarks:** The species has a complicated taxonomic history in South Africa having been

15 confused with *Pateobatis fai* in KZN. Smith [A.] (in Müller & Henle, 1841) described

16 *Trygon purpurea* (= *P. violacea*) citing South Africa as the type locality, but the species

17 apparently was not seen again until a specimen was caught off Kalk Bay in False Bay in

18 1933 (Barnard, 1934). Although Wallace (1967c) referred to *Dasyatis purpureus*, his

19 description and figure 24 are clearly that of *P. fai* or a similar looking species, but not *P.*

20 *violacea*. The species was once thought to be quite rare in South Africa, with only a few

21 specimens known (Compagno *et al.*, 1989). However, it appears to be somewhat

22 commonly caught in the chokka (= squid) fishery, but is usually not reported as bycatch.

23 **Conservation status:** LC (2019).

24

1 **Genus *Taeniura* Müller & Henle, 1837a**

2 Blue-spotted Fantail Rays

3 *Taeniura* Müller & Henle, 1837a: 117. Type species: *Trygon ornatus* Gray, 1830, by monotypy, synonym  
4 of *T. lymma*.

5

6 ***Taeniura lymma* (Forsskål, 1775)**

7 Blue Spotted Fantail Ray

8 *Raja lymma* Forsskål, 1775: 17. No types known. Type locality: Al-Luhayya, Yemen, Red Sea.

9 **Local synonymy:** *Taeniura lymma*: Wallace, 1967c: 31, fig. 15; Compagno & Heemstra,  
10 1984: 3; Compagno, 1986: 141, fig. 30.13; Compagno *et al.*, 1989: 108, pl.; Compagno,  
11 1999: 117; Heemstra & Heemstra, 2004: 84; NPOA, 2013: 62; da Silva *et al.*, 2015: 246;  
12 Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 359; Last *et al.* 2016i: 606, fig. 25.77;  
13 Weigmann, 2016: 977.

14 **South Africa voucher material:** SAIAB 12838, SAIAB 48835.

15 **South African distribution:** Northern KZN.

16 **Remarks:** Common in northern KZN and northwards throughout the tropical Indo-West  
17 Pacific, but rare in southern KZN.

18 **Conservation status:** NT (2009).

19

20 **Genus *Taeniurops* Garman, 1913**

21 Round Fantail Rays

22 *Taeniurops* Garman, 1913: 399. Type species: *Taeniura meyeri* Müller & Henle, 1841, by subsequent  
23 designation.

24

1 ***Taeniurops meyeri* (Müller & Henle, 1841)**

2 Blotched Fantail Ray

3 *Taeniura meyeri* Müller & Henle, 1841: 172, pl. 55. Syntypes: MNHN 0000-2428, ZMB 4660. Type  
4 locality: Mauritius, Mascarenes.

5 **Local synonymy:** *Taeniura melanospilus*: Smith, 1952g: 15, fig.; Smith, 1952d: 1020, pl.  
6 38; Smith, 1955: 5; Smith, 1961a: 513, fig. 78a; Smith, 1965: 513, fig. 78a; Wallace,  
7 1967c: 28, figs. 13–14; Compagno & Heemstra, 1984: 3; Compagno, 1986: 141, fig.  
8 30.14; Compagno *et al.*, 1989: 108, pl. *Taeniurops meyeri*: Compagno, 1999: 117;  
9 Heemstra & Heemstra, 2004: 84; Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 357;  
10 Last *et al.* 2016i: 608, fig. 25.79; Weigmann, 2016: 977.

11 **South Africa voucher material:** SAIAB 7849, SAIAB 7886 [ex ORI B614], SAIAB  
12 55036.

13 **South African distribution:** Along the KZN coast to the Mozambique border.

14 **Remarks:** A common, but very little known species occasionally caught by shore anglers  
15 and by offshore trawlers off KZN.

16 **Conservation status:** VU (2015).

17

18 **Genus *Urogymnus* Müller & Henle, 1837b**

19 Porcupine Rays

20 *Urogymnus* Müller & Henle, 1837b: 434. Type species: *Raja asperrima* Bloch & Schneider, 1801, by being  
21 a replacement name.

22

23 ***Urogymnus asperrimus* (Bloch & Schneider, 1801)**

24 Porcupine Ray

1 *Raja asperrima* Bloch & Schneider, 1801: 367. Holotype: ZMB 7836 (dry skin, partial specimen). Type  
2 locality: Mumbai, India.

3 **Local synonymy:** *Urogymnus africanus*: Smith, 1952a: 225; Smith, 1961a: 512, fig. 82a:  
4 Smith, 1965: 512, fig. 82a. *Urogymnus asperrimus*: Compagno & Heemstra, 1984: 3;  
5 Compagno, 1986: 141, fig. 30.15; Compagno *et al.*, 1989: 110, pl.; Compagno, 1999:  
6 117; Ebert & van Hees, 2015: 147; Last *et al.* 2016h: 363; Last *et al.* 2016i: 614, fig.  
7 25.85; Weigmann, 2016: 977.

8 **South Africa voucher material:** None known in South African museums.

9 **South African distribution:** Along the KZN coast to the Mozambique border.

10 **Remarks:** A very little known species in South Africa, it is wide-ranging throughout the  
11 tropical Indo-West Pacific. Generally rare, but can be locally common at certain locations  
12 (e.g. in parts of Australia).

13 **Conservation status:** VU (2016).

14

## 15 **Family Gymnuridae Fowler, 1934a**

16 Butterfly Rays

## 17 **Genus *Gymnura* van Hasselt, 1823**

18 Butterfly Rays

19 *Gymnura* van Hasselt, 1823: 316. Type species: *Raja micrura* Bloch & Schneider, 1801, by monotypy.

20

## 21 ***Gymnura natalensis* (Gilchrist & Thompson, 1911)**

22 Diamond Ray or Backwater Butterfly Ray

23 *Pteroplatea natalensis* Gilchrist & Thompson, 1911: 56. Holotype (unique): SAM 10632. Type locality:  
24 Off Cape Natal, west by north for 6.5 miles, South Africa.

1 **Local synonymy:** *Pteroplatea natalensis*: Gilchrist & Thompson, 1911: 56; von Bonde  
2 & Swart, 1923: 17; Barnard, 1925: 81; Smith, 1934: 83. *Pteroplatea micrura*: Barnard,  
3 1925: 80. *Gymnura tentaculata*: Fowler, 1941: 450 (in part). *Gymnura japonica*: Smith,  
4 1949a: 71; Compagno, 1986: 138; Compagno, 1999: 117 (?). *Gymnura natalensis*: Smith,  
5 1949a: 71, fig. 86; Smith, 1965: 71, fig. 86; Smith & Smith, 1966: 32, fig.; Wallace,  
6 1967c: 26, fig. 12; Compagno, 1986: 138, fig. 30.7, pl. 5; Compagno *et al.*, 1989: 110,  
7 pl.; Compagno, 1999: 117; Heemstra & Heemstra, 2004: 85; Mann, 2013: 55; NPOA,  
8 2013: 62; da Silva *et al.*, 2015: 246; Ebert & van Hees, 2015: 147; Weigmann, 2016: 979;  
9 Yokota *et al.*, 2016: 518, fig. 24.7. *Gymnura micrura*: Barnard, 1959: 27, figs. 5, 5a, pl.  
10 4.

11 **South Africa voucher material:** SAIAB 5023, SAIAB 7859 [former ORI B99], SAIAB  
12 7863 [former ORI B651], SAIAB 13325, SAIAB 25299, SAIAB 26471, SAIAB 48832

13 **South African distribution:** Entire coast from the Orange River (NC) to the northern  
14 KZN border with Mozambique.

15 **Remarks:** Although *G. japonica* is sometimes listed as occurring in South Africa, *G.*  
16 *natalensis* is the only species occurring in the area. Yokota *et al.* (2016) suggested that *G.*  
17 *altavela* is very similar and the two species may be synonymous, but molecular data  
18 indicates that *G. natalensis* is a distinct species (Weigmann, 2016).

19 **Conservation status:** LC (2019).

20

21 **Family Aetobatidae Agassiz, 1858**

22 Pelagic Eagle Rays

23 **Genus *Aetobatus* Blainville, 1816**

1 Pelagic Eagle Rays

2 *Aetobatus* Blainville, 1816: 112. Type species: usually given as *Raja narinari* Euphrasen, 1790, by  
3 subsequent designation by Müller & Henle (1837 or 1838).

4

5 ***Aetobatus ocellatus* (Kuhl, 1823)**

6 Whitespotted Eagle Ray

7 *Myliobatus ocellatus* Kuhl, in van Hasselt, 1823: 316. No original types designated. Neotype: MZB 18225.

8 Type locality: Muara Angke fish landing site, Jakarta, Indonesia.

9 **Local synonymy:** *Aetobatis narinari*: Müller & Henle, 1841: 179; Gilchrist &  
10 Thompson, 1911: 56; Gilchrist & Thompson, 1916: 289; von Bonde & Swart, 1923: 17;  
11 Barnard, 1925: 83, fig. 1, pl. 5; Fowler, 1925b: 194; von Bonde, 1932: 32; Fowler, 1941:  
12 471. *Stoasodon narinari*: Smith, 1949a: 68, fig. 74. *Aetobatus narinari*: Wallace, 1967c:  
13 15, fig. 7; Compagno, 1986: 132, fig. 26.1; Compagno *et al.*, 1989: 114, pl.; Compagno,  
14 1999: 117; Heemstra & Heemstra, 2004: 87; NPOA, 2013: 59; da Silva *et al.*, 2015: 247;  
15 Ebert & van Hees, 2015: 148. *Aetobatus ocellatus*: White, 2014: 151. White & Last,  
16 2016b: 731, fig. 31.5; Weigmann, 2016: 985.

17 **South Africa voucher material:** SAIAB 12843, SAIAB 48514.

18 **South African distribution:** Knysna (WC) to KZN border with Mozambique.

19 **Remarks:** *Aetobatus narinari* (Euphrasen, 1790) was shown to be a species-complex  
20 based on molecular work by Richards *et al.* (2009); although they did not have access to  
21 samples from South Africa, or indeed from the WIO. White *et al.* (2010) resurrected *A.*  
22 *ocellatus* as the valid name for the Indo-Pacific, with *A. narinari* being restricted to the  
23 Western and Eastern Atlantic, occurring from Angola northwards (White & Last, 2016).

24 **Conservation status:** VU (2016).

1

2 **Family Myliobatidae Bonaparte, 1838**

3 Eagle Rays

4 **Genus *Aetomylaeus* Garman, 1908**

5 Smoothtail Eagle Rays

6 *Aetomylaeus* Garman, 1908: 252. Type species: *Myliobatus maculatus* Gray, 1834, by original designation;  
7 misspelled *Aetomyleus* in Zoological Record of 1908.

8

9 ***Aetomylaeus bovinus* (Saint-Hilaire, 1817)**

10 Duckbill Ray

11 *Myliobatis bovina* Saint-Hilaire, 1817: no page number, pl. 26 (fig. 1). No known types. Type locality: Off  
12 Alexandria, Egypt, eastern Mediterranean Sea.

13 **Local synonymy:** *Pteromylaeus bovinus*: Barnard, 1925: 83; Smith, 1949a: 69, fig. 77;  
14 Barnard, 1959: 28; Smith, 1965: 69, fig. 77; Wallace, 1967c: 20, figs. 9, 10; Compagno,  
15 1986: 133, fig. 28.3; Compagno *et al.*, 1989: 110, pl.; Heemstra & Heemstra 2004: 87;  
16 Weigmann, 2016: 985. ?*Aetomylus huletti*: Smith, 1953: 513, fig. 77a (original  
17 description); Compagno, 1986: 133. *Pteromylaeus bovinus*: Compagno, 1999: 117;  
18 NPOA, 2013: 59. *Aetomylaeus bovinus*: da Silva *et al.*, 2015: 247; Ebert & van Hees,  
19 2015: 148. *Aetomylaeus bovinus*: White, 2014: 151, fig. 5; White & Last, 2016a: 709, fig.  
20 30.2.

21 **South Africa voucher material:** SAIAB 7860 [ex ORI B907], SAIAB 7862 [ex ORI],  
22 SAIAB 7880 [ex ORI B60], SAIAB 10445, SAIAB 12841, SAIAB 12848, SAIAB  
23 13299, SAIAB 27442, SAIAB 31824, SAIAB 44291, SAIAB 51206.

24 **South African distribution:** The Orange River (NC) to KZN border with Mozambique.



1 **Remarks:** White (2014) placed the genus *Pteromylaeus* Garman, 1913 into synonymy  
2 with *Aetomylaeus* Garman, 1908.

3 **Conservation status:** DD (2016).

4

5 ***Aetomylaeus vespertilio* (Bleeker, 1852)**

6 Ornate Eagle Ray

7 *Myliobatis vespertilio* Bleeker, 1852: 85. Holotype: RMNH 7460, Jakarta, Java, Indonesia.

8 **Local synonymy:** ?*Aetomylus huletti*: Smith, 1953: 513, fig. 77a (original description).

9 **South Africa voucher material:** No known specimens in museum collections, but  
10 confirmation based on a photograph from Richards Bay (Rob Kyle, pers. comm.,  
11 Oceanographic Research Institute). The holotype of *A. huletti* (? = *A. vespertilio*) was  
12 collected in Zululand (northern KZN), but the type specimen is lost.

13 **South African distribution:** New record, from Richards Bay and possibly northern  
14 KZN.

15 **Remarks:** Smith (1953) described *Aetomylus huletti* based on a specimen from northern  
16 KZN (Zululand). However, subsequent authors (Wallace, 1967c; Compagno, 1986)  
17 attributed it as a possible synonym of *Pteromylaeus* (now *Aetomylaeus*) *bovinus*. Ebert &  
18 van Hees (2015) listed it as possibly being *A. nichofii*, but that species does not occur in  
19 the region. The holotype of *A. huletti* is unfortunately lost precluding further examination  
20 of the specimen, but it is likely to be *A. vespertilio* rather than *A. nichofii*; a species  
21 known to occur in Mozambique (White & Last, 2016a). Recently, a specimen of *A.*  
22 *vespertilio* was caught, and released at Richards Bay confirming this species' presence  
23 for the first time in South African waters (R. Kyle, Oceanographic Research Institute,  
24 April 2018, photograph and pers. comm.).

1 **Conservation status:** EN (2016).

2

3 **Genus *Myliobatis* Cuvier, 1816**

4 Eagle Rays

5 *Myliobatis* Cuvier, 1816: 137. Type species: *Raja aquila* Linnaeus, 1758, by subsequent designation.

6

7 ***Myliobatis aquila* (Linnaeus, 1758)**

8 Bull Ray

9 *Raja aquila* Linnaeus, 1758: 232. No known types. Type locality: Mediterranean Sea and Northeastern  
10 Atlantic [original: "in Mari Mediterraneo"]

11 **Local synonymy:** *Myliobatis aquila*: Bleeker, 1860b: 59; Duméril, 1865: 634; Gilchrist,  
12 1902: 169; Thompson, 1914: 165; Gilchrist & Thompson, 1916: 280; von Bonde &  
13 Swart, 1923: 17; Barnard, 1925: 82, fig. 7, pl.4; von Bonde, 1934: 17; Smith, 1935: 169;  
14 Barnard, 1947: 28, fig. 6, pl. 4; Smith, 1949a: 69 (doubtful from southern Africa); Smith,  
15 1965: 69 (doubtful from southern Africa); Wallace, 1967c: 17, fig. 8; Compagno, 1986:  
16 133, fig. 28.2, pl. 5; Compagno *et al.*, 1989: 112, pl.; Compagno *et al.*, 1991: 108;  
17 Compagno, 1999: 117; Heemstra & Heemstra, 2004: 86; Mann, 2013: 132; NPOA, 2013:  
18 59; da Silva *et al.*, 2015: 247; Ebert & van Hees, 2015: 148; Weigmann, 2016: 986;  
19 White & Last, 2016a: 715, fig. 30.8. *Myliobatis cervus*: Smith, 1935: 169, fig. 1 (original  
20 description; syntypes missing); Smith, 1949a: 68, fig. 75, pl. 3; Smith, 1965: 68, fig. 75,  
21 pl. 3. *Holorhinus aquila*: Fowler, 1941: 459. *Holorhinus cervus*: Fowler, 1941: 460.

22 **South Africa voucher material:** SAIAB 2860, SAIAB 7844, SAIAB 10423, SAIAB  
23 12111, SAIAB 12842, SAIAB 19823, SAIAB 19864, SAIAB 26451, SAIAB 26452,  
24 SAIAB 26453, SAIAB 26504, SAIAB 26505, SAIAB 26961, SAIAB 44344, SAIAB

1 44345, SAIAB 44346, SAIAB 44347, SAIAB 44350, SAIAB 44352, SAIAB 48515,  
2 SAIAB 50843, SAIAB 207767,

3 **South African distribution:** The Orange River (NC) to at least Durban, KZN.

4 **Remarks:** Smith (1935) described a new species *Myliobatis cervus* from two specimens  
5 (designated syntypes) caught off Knysna (WC). In subsequent publications, Smith  
6 (1949a, 1965) commented that he doubted the European *M. aquila* occurred in the region  
7 and used the presence of orbital horns to distinguish his new species (Smith, 1961a).  
8 However, Wallace (1967c) reviewed the issue and concluded that the taxonomic value of  
9 the horns was dubious and was a secondary sexual characteristic; a conclusion agreed  
10 with by contemporary researchers (Compagno, 1986; Compagno *et al.*, 1989; White &  
11 Last, 2016). See “Local synonymy” above for full accounting.

12 **Conservation status:** DD (2009).

13

#### 14 **Family Rhinopteridae Jordan & Evermann, 1896**

15 Cownose Rays

#### 16 **Genus *Rhinoptera* Cuvier, 1829**

17 Cownose Rays

18 *Rhinoptera* Cuvier, 1829: 401. Type species: *Myliobatis marginata* Geoffroy St. Hilaire, 1817, by  
19 subsequent designation; type designated by Bonaparte, 1838: 6 (of separate), also by Hay, 1902: 321.  
20 Appeared first as *Rhenoptera* van Hasselt, 1823: 318 and *Rhinoptera* van Hasselt, 1824: 90, regarded as  
21 *nomina nuda*. Cuvier's "Les Rhinoptera Kuhl" evidently sufficient to Latinise; two included species.

22

#### 23 ***Rhinoptera jayakari* Boulenger, 1895**

24 Javanose Cownose Ray

1 *Rhinoptera jayakari* Boulenger, 1895: 141. Holotype (unique): BMNH 1894.3.21.13 (skin). Type locality:  
2 Muscat, Oman, Gulf of Oman, Arabian Sea, northwestern Indian Ocean.

3 **Local synonymy:** *Rhinoptera javanica*: Smith, 1952d: 1020; Smith, 1961a: 504, fig. 77a;  
4 Wallace, 1967c: 23, fig. 11; Compagno, 1986: 133, fig. 28.4; Compagno *et al.*, 1989:  
5 114, pl.; Compagno, 1999: 118; Heemstra & Heemstra, 2004: 87; Ebert & van Hees,  
6 2015: 148. *Rhinoptera jayakari*: Last *et al.*, 2016l: 736, fig. 32.4; Weigmann, 2016: 988.

7 **South Africa voucher material:** SAIAB 7855 [ex ORI], SAIAB 7857 [ex ORI B646],  
8 SAIAB 7858 [ex ORI B347] (All SAIAB specimens accessioned as *Rhinoptera*  
9 *javanica*).

10 **South African distribution:** Amanzimtoti (south of Durban) to KZN border with  
11 Mozambique.

12 **Remarks:** The only *Rhinoptera* species in South Africa, previous records referred to *R.*  
13 *javanica*, which does not occur off East or South Africa. *Rhinoptera jayakari* only  
14 marginally occurs in South African waters off KZN.

15 **Conservation status:** NE.

16

## 17 **Family Mobulidae Gill, 1893**

18 Devil Rays

### 19 **Genus *Mobula* Rafinesque, 1810b**

20 Devil Rays

21 *Mobula* Rafinesque, 1810b: 48, 61. Type species: *Mobula auriculata* Rafinesque, 1810b (= *Raia mobular*  
22 *Bonnaterre*, 1788); by monotypy (also by absolute tautonymy).

23 **Remarks:** The genus *Mobula* is poorly known in South African waters due to revisions  
24 to the genus and misidentification of individual species (Hosegood *et al.*, 2020). A

1 comprehensive review of those species occurring in South African waters and their  
2 distributional limits is wanting.

3

4 ***Mobula alfredi* (Krefft, 1868)**

5 Reef Manta Ray

6 *Deratoptera alfredi* Krefft, 1868: 3–9, fig. Holotype: AMS I.1731 (stuffed). Type locality: Watson Bay,  
7 Sydney, New South Wales, Australia.

8 **Local synonymy:** *Manta alfredi*: Marshall *et al.*, 2009: 13, figs. 9–14; Ebert & Dando,  
9 2014: 97, fig.; Ebert & van Hees, 2015: 148; Weigmann, 2016: 981. *Mobula alfredi*:  
10 White & Last, 2016c: 742, fig. 33.1; Stevens *et al.*, 2018: 70, figs.

11 **South Africa voucher material:** SAIAB 7885.

12 **South African distribution:** Durban (KZN) and north to the Mozambique border.

13 **Remarks:** Formerly in the genus *Manta*, White *et al.* (2018), using morphological and  
14 molecular data, concluded that there was no significant difference between the genera  
15 *Mobula* and *Mobula*. Since *Mobula* is the older name and takes precedence, the two  
16 recognized species formerly in the genus *Manta* were reassigned to the genus *Mobula*  
17 (White *et al.*, 2018). Marshall *et al.* (2009) resurrected *Mobula* (= *Manta*) *alfredi* as  
18 distinct from *Mobula birostris*. Prior to this species being resurrected, the name *M.*  
19 *birostris* was widely used throughout the WIO, with historical records likely including  
20 both species.

21 **Conservation status:** VU (2019).

22

23 ***Mobula birostris* (Walbaum, 1792)**

24 Giant Manta Ray

1 *Raja birostris* Walbaum, 1792: 535. Types: No types known. Type locality: No locality stated in  
2 description.

3 **Local synonymy:** *Manta ehrenbergi*: Barnard, 1925: 87; Fowler, 1934b: 409, figs. 2–3;  
4 Barnard, 1959: 29, figs. 9–9a, pl. 4. *Manta birostris*: Smith, 1949a: 73, fig. 88; Wallace,  
5 1967c: 13, fig. 6; Compagno, 1986: 134, fig. 29.1, pl. 5; Compagno *et al.*, 1989: 116, pl.;  
6 Compagno, 1999: 118; Heemstra & Heemstra, 2004: 88; Marshall *et al.*, 2009: 4, figs. 1–  
7 7; Ebert & Dando, 2014: 99, fig.; Ebert & van Hees, 2015: 148; Weigmann, 2016: 981.  
8 *Mobula birostris*: White & Last, 2016c: 743, fig. 33.2; Stevens *et al.*, 2018: 74, figs.

9 **South Africa voucher material:** SAIAB 7885, SAIAB 48525, SAIAB 75575, SAIAB  
10 75576, SAIAB 200672, SAIAB 200673, SAIAB 200674.

11 **South African distribution:** Table Bay (WC) to the KZN border with Mozambique.

12 **Remarks:** *Mobula birostris* appears to occur in the more temperate waters of the WC  
13 compared to *M. alfredi*, which appears to be more restricted to the warmer waters of the  
14 KZN coast.

15 **Conservation status:** VU (2018).

16

17 ***Mobula eregoodoo* (Bleeker, 1859)**

18 Pygmy Devil Ray

19 *Dicerobatis eregoodoo* Cantor, 1849: 1420. No types. Type locality: Penang, Malaysia. Neotype: CAS  
20 56095. Type locality: Gulf of Siam off Cambodia, about 1 mile east of Goh Choaw and 10–12 miles SSE of  
21 Koh Kong, 11°00'N–11°05'N, 103°03'30"E–103°05'E.

22 **Local synonymy:** *Mobula eregoodootenkee*: Compagno, 1999: 118; Ebert & Dando,  
23 2014: 101, fig.; Ebert & van Hees, 2015: 148; Weigmann, 2016: 981; Stevens *et al.*,  
24 2018: 78, figs. *Mobula eregoodoo*: Notarbartolo-di-Sciara *et al.*, 2020: 104, fig. 1.

1 **South Africa voucher material:** None.  
2 **South African distribution:** Durban (KZN) to the Mozambique border.  
3 **Remarks:** This species has a confused taxonomic and nomenclatural history. A neotype  
4 (CAS 56095) was designated for *Cephaloptera eregoodootenkee* Bleeker, 1859, by  
5 Notarbartolo-di-Sciara (1987) for Cuvier 1829, which was considered an unneeded  
6 subsequent new name for *Dicerobatis eregoodoo* Cantor 1849 by Notarbartolo-di-Sciara  
7 *et al.* (2020). White *et al.* (2018) concluded that it was a synonym of *M. kuhlii*, however  
8 Notarbartolo di Sciara *et al.* (2020) consider these to be separate species. These authors  
9 also clarified the name as *M. eregoodoo*.  
10 **Conservation status:** EN (2020).

11

12 ***Mobula kuhlii* (Müller & Henle, 1841)**

13 Shortfin Devil Ray

14 *Cephaloptera kuhlii* Valenciennes in Müller & Henle, 1841: 185, pl. 59 (left). Lectotype: MNHN 0000-  
15 1596. Type locality: India.

16 **Local synonymy:** *Mobula kuhlii*: Barnard, 1925: 86, fig. 2, pl. 5; Barnard, 1959: 28, fig.  
17 8, pl. 4; Compagno *et al.*, 1989: 116, pl.; Compagno, 1999: 118; Ebert & van Hees, 2015:  
18 148; Weigmann, 2016: 982; White & Last, 2016c: 745, fig. 33.4; Stevens *et al.*, 2018: 86,  
19 figs. *Mobula diabolus*: Smith, 1943: 75; Smith, 1949a: 72, fig. 87; Compagno, 1986: 135,  
20 fig. 29.2.

21 **South Africa voucher material:** SAIAB 4361, SAIAB 7883, SAIAB 7884, SAIAB  
22 12821, SAIAB 13337, SAIAB 44353, SAIAB 75577, SAIAB 75578, SAIAB 75579,  
23 SAIAB 207689.

24 **South African distribution:** Port Alfred (EC) to northern KZN.

1 **Remarks:** The specific identification in Barnard (1925) was provisional based only on  
2 the color of a specimen cast and the fact that *M. kuhlii* had previously been recorded in  
3 Zanzibar. The proportions of the cephalic lobes in the drawing (Barnard, 1925: pl. 5) are  
4 suggestive of *M. kuhlii* (see Notarbartolo de Sciara *et al.*, 2019: fig. 3). See Remarks  
5 under *M. eregoodoo* for relationship with that species.

6 **Conservation status:** EN (2020).

7

### 8 ***Mobula mobular* (Bonnaterre, 1788)**

9 Giant Devil Ray

10 *Raia mobular* Bonnaterre, 1788: 5. No types known. Type locality: Montredon, near Marseille, France,  
11 western Mediterranean Sea.

12 **Local synonymy:** *Mobula japonica*: Compagno, 1999: 118; Ebert & Dando, 2014: 103,  
13 fig.; Ebert & van Hees, 2015: 148; Weigmann, 2016: 982.

14 **South Africa voucher material:** SAIAB uncatalogued.

15 **South African distribution:** East of Port Alfred (EC) and the KZN coast.

16 **Remarks:** White *et al.* (2018) synonymized *Mobula mobular* (previously considered a  
17 Mediterranean Sea endemic) with *M. japonica* with precedence given to the name *M.*  
18 *mobular*. Records from off South Africa are not well documented.

19 **Conservation status:** EN (2019).

20

### 21 ***Mobula tarapacana* (Philippi, 1892)**

22 Sicklefin Devilray

23 *Cephaloptera tarapacana* Philippi, 1892: 8, pl. 3(fig.2). Holotype (unique): lost. Type locality: 12 miles  
24 west of Iquique, Tarapacà Province, Chile, southeastern Pacific.



1 **Local synonymy:** *Mobula tarapacana*: Compagno et al., 1989: 118, pl.; Compagno,  
2 1999: 118; Ebert & Dando, 2014: 105, fig.; Ebert & van Hees, 2015: 148; Weigmann,  
3 2016: 982; White & Last, 2016c: 748, fig. 33.7; Stevens *et al.*, 2018: 102, figs.

4 **South Africa voucher material:** None.

5 **South African distribution:** Jeffreys Bay (EC) to KZN border with Mozambique.

6 **Remarks:** The distribution of this species is patchy with only scattered records in the  
7 WIO, including South African waters.

8 **Conservation status:** EN (2019).

9

#### 10 ***Mobula thurstoni* (Lloyd, 1908)**

11 Bentfin Devil Ray

12 *Dicerobatis thurstoni* Lloyd, 1908: 179, fig. 3, pl. 4 (fig. 2). Syntypes: Madras Museum (whereabouts  
13 unknown). Type locality: India.

14 **Local synonymy:** *Mobula thurstoni*: Compagno et al., 1989: 118, pl.; Compagno, 1999:  
15 118; Ebert & Dando, 2014: 107, fig.; Ebert & van Hees, 2015: 148; Weigmann, 2016:  
16 982; White & Last, 2016c: 749, fig. 33.8; Stevens *et al.*, 2018: 106, figs.

17 **South Africa voucher material:** None.

18 **South African distribution:** Algoa Bay (EC) to KZN border with Mozambique.

19 **Remarks:** Records on the occurrence of *Mobula* species in South African waters should  
20 be re-examined and reviewed to clarify the status of those occurring in these waters.

21 **Conservation status:** EN (2019).

22

23 **Order Chimaeriformes**

24 **Family Callorhynchidae Garman, 1901**

1 Elephantfishes

2 **Genus *Callorhinchus* Lacèpede, 1798**

3 Elephantfishes

4 *Callorhinchus* Lacèpede, 1798: 400. Type species: *Chimaera callorynchus* Linnaeus, 1758, type by  
5 monotypy.

6

7 ***Callorhinchus capensis* Duméril, 1865**

8 St Joseph

9 *Callorhynchus capensis* Duméril, 1865: 695, fig. 5, pl. 13. Syntypes: MNHN A-7981 (1), 4294 (1), plus 1  
10 probably lost. Type locality: Cape of Good Hope, South Africa.

11 **Local synonymy:** *Chimaera callorynchus*: Linnaeus, 1758: 236 (in part: “*Habitat in*  
12 *Mari Aethiopico*”). *Callorhynchus antarcticus*: Bleeker, 1860b: 57; Gilchrist, 1902: 162;  
13 Thompson, 1914: 167; Gilchrist & Thompson, 1916: 290; von Bonde, 1923: 5.  
14 *Callorhynchus capensis*: Garman, 1904: 271, figs. 5–6, pl. 6; Garman, 1911: 99; Barnard,  
15 1925: 96, fig. 6, pl. 5; Fowler, 1941: 507; Barnard, 1947: 31, fig. 2, pl. 5; Smith, 1949a:  
16 77, fig. 95; Smith, 1965: 77, fig. 95; Smith & Smith, 1966: 35, fig. *Callorhinchus*  
17 *capensis*: Compagno, 1986: 147, fig. 34.1; Compagno *et al.*, 1989: 120, pl.; Compagno *et*  
18 *al.*, 1991: 109; Freer & Griffiths, 1993: 63; Compagno, 1999: 120; Heemstra &  
19 Heemstra, 2004: 90; Didier *et al.*, 2012: 100; Mann, 2013: 7; NPOA, 2013: 63; da Silva  
20 *et al.*, 2015: 246; Ebert & van Hees, 2015: 148; Walovich *et al.*, 2015: 163; Didier, 2016:  
21 1445; Weigmann, 2016: 1000.

22 **South Africa voucher material:** SAIAB 3956, SAIAB 8263, SAIAB 9785, SAIAB  
23 9786, SAIAB 11020, SAIAB 11078, SAIAB 11936, SAIAB 12919, SAIAB 12993,  
24 SAIAB 16195, SAIAB 16727, SAIAB 19819, SAIAB 19820, SAIAB 19824, SAIAB

1 21886, SAIAB 21887, SAIAB 25195, SAIAB 25196, SAIAB 25197, SAIAB 25198,  
2 SAIAB 25199, SAIAB 25200, SAIAB 25201, SAIAB 25202, SAIAB 25203, SAIAB  
3 25204, SAIAB 25205, SAIAB 25206, SAIAB 25207, SAIAB 25208, SAIAB 25209,  
4 SAIAB 26309, SAIAB 34589, SAIAB 34590, SAIAB 34591, SAIAB 35300, SAIAB  
5 35888, SAIAB 38256, SAIAB 38681, SAIAB 40959, SAIAB 43842, SAIAB 48665,  
6 SAIAB 200716.

7 **South African distribution:** The Orange River (NC) to Durban (KZN).

8 **Remarks:** A regional endemic to southern Africa, its range extends into southern  
9 Namibia. This is one of the most common inshore chondrichthyan species between the  
10 Orange River and Cape Agulhas (Compagno *et al.*, 1991).

11 **Conservation status:** LC (2020).

12

13 **Family Chimaeridae Rafinesque, 1815**

14 Shortnose Ghostsharks

15 **Genus *Chimaera* Linnaeus, 1758**

16 Rabbitfishes

17 *Chimaera* Linnaeus, 1758: 236. Type species: *Chimaera monstrosa* Linnaeus, 1758, type by Linnaean  
18 tautonymy.

19

20 ***Chimaera notafriicana* Kemper, Ebert, Compagno, & Didier, 2010**

21 Cape Chimaera

22 *Chimaera notafriicana* Kemper, Ebert, Compagno, & Didier, 2010: 56, fig. 1. Holotype: SAM 34517. Type  
23 locality: Cape Agulhas, South Africa, 34°49'09"S, 20°00'00"E.

24 **Local synonymy:** *Chimaera monstrosa*: Duméril, 1865: 688; Gilchrist, 1902: 162;

1 Thompson, 1914: 166; Gilchrist, 1922b: 51, pl. 8; Barnard, 1925: 94; Fowler, 1936: 143;  
2 Fowler, 1941: 489; Barnard, 1947: 30, probably not pl. 5, fig. 3 = *C. monstrosa* from  
3 European seas; Smith, 1949a: 76; Smith, 1965: 76; Compagno, 1986: 144, not fig. 32.1,  
4 which is European *C. monstrosa*. *Chimaera vaillanti*: Dean, 1906: 7, *nomen nudum*.  
5 *Chimaera* sp.: Compagno *et al.*, 1989: 120, pl.; Compagno *et al.*, 1991: 112; Compagno,  
6 1999: 120. *Chimaera notafriicana*: Kemper *et al.*, 2010: 56, fig. 1; Didier *et al.*, 2012:  
7 100; Ebert, 2014: 94, fig. 147; Ebert, 2015: 196, fig. 222; Ebert & van Hees, 2015: 148;  
8 Walovich *et al.*, 2015: 163; Weigmann, 2016: 1001.

9 **South Africa voucher material:** Holotype: SAM 34517. Paratypes (4): SAIAB 27132,  
10 SAIAB 27133, SAM 34428, SAM 34429. Non-types: SAIAB 27132, SAIAB 27133,  
11 SAIAB 27134, SAIAB 27135, SAIAB 34834, SAIAB 54450.

12 **South African distribution:** The Orange River (NC) to Algoa Bay (EC).

13 **Remarks:** A regional endemic occurring from about Lüderitz, Namibia to Algoa Bay  
14 (EC). It had previously been referred to as the European *C. monstrosa*, but it is quite  
15 distinct from that species.

16 **Conservation status:** LC (2020).

17

## 18 **Genus *Hydrolagus* Gill, 1862**

19 Ghostsharks

20 *Hydrolagus* Gill, 1862: 331. Type species: *Chimaera colliei* Lay & Bennett, 1839, by monotypy.

21

## 22 ***Hydrolagus affinis* (de Brito Capello, 1868)**

23 Smalleyed Rabbitfish

1 *Chimaera affinis* de Brito Capello, 1868: 314, fig. 1, pl. 3. Holotype (unique): type lost in fire. Type  
2 location: Setubal, Portugal.

3 **Local synonymy:** *Hydrolagus* sp. (?): Smith, 1964: 145; Compagno, 1986: 145, fig.  
4 32.3; Compagno *et al.*, 1991: 113 (in part). *Hydrolagus* sp. nov.: Compagno, 1999: 120.  
5 *Hydrolagus trolli*: Ebert, 2014: 96, fig. 153. *Hydrolagus* cf. *trolli*: Ebert, 2015: 195, 197,  
6 fig. 224; Ebert & van Hees, 2015: 148; Walovich *et al.*, 2015: 162; Walovich *et al.*, 2017:  
7 509; Weigmann, 2016: 1004. *Hydrolagus affinis*: Walovich, 2017: 54, fig. 12.

8 **South Africa voucher material:** SAM 33063 (2), SAM 33198, SAM 33205, SAM  
9 33297 (3 specimens), SAM 34238, SAM 34435, SAM 34933, SAM 34934.

10 **South African distribution:** The Orange River (NC) to Algoa Bay off Port Elizabeth  
11 (EC). Compagno (1986) illustrates a specimen from off Durban (KZN) that may be this  
12 species.

13 **Remarks:** This large species had long been considered to be close to southwestern  
14 Pacific *Hydrolagus trolli*, but in a morphological and molecular study Walovich (2017)  
15 found it to be identical to the north Atlantic *H. affinis*. This finding extends its known  
16 range to at least Algoa Bay (EC) in the WIO.

17 **Conservation status:** LC (2020).

18

### 19 *Hydrolagus africanus* (Gilchrist, 1922b)

20 African Ghost Shark

21 *Chimaera africanus* Gilchrist, 1922b: 51, pl. 8. Syntypes: several, all lost. Type locality: deepwater off  
22 KZN. Neotype: SAM 34420. Neotype designated by Walovich *et al.* 2015:158, fig. 1. Type locality: west  
23 coast of WC, Southeast Atlantic Ocean, 30°04'59.88"S, 14°54'6.12"E.

24 **Local synonymy:** *Chimaera africanus*: Gilchrist, 1922b: 51, pl. 8; Barnard, 1925: 95;

1 Norman, 1935: 47; Fowler, 1941: 499; Smith, 1949a: 79, fig. 94; Bigelow & Schroeder,  
2 1953: 543; Smith, 1961a: 76, fig. 94; Smith, 1965, 76, fig. 94. *Hydrolagus* sp.:  
3 Compagno *et al.*, 1991: 113. *Hydrolagus africanus*: Smith, 1968: 3, pl. 1a; Compagno,  
4 1986: 145, fig. 32.2; Compagno *et al.*, 1989: 120, pl. (in part); Compagno, 1999: 120;  
5 Kemper *et al.*, 2010: 55; Didier *et al.*, 2012: 101; Ebert, 2014: 96, fig. 151; Ebert & van  
6 Hees, 2015: 148; Walovich *et al.*, 2015: 158, fig. 1; Weigmann, 2016: 1002. *Hydrolagus*  
7 *cf. africanus*: Ebert, 2015: 198, fig. 225.

8 **South Africa voucher material:** Neotype: SAM 34420. Non-types: CAS 241488 (4  
9 specimens), CAS 241490 (2 specimens), CAS 241491, CAS 241492 (2 specimens), CAS  
10 241493, SAIAB 14040 (2 specimens), SAIAB 17324, SAIAB 17325, SAIAB 25211,  
11 SAIAB 25712, SAIAB 81688, SAIAB 186459, SAM 33058, SAM 33412, USNM  
12 438927, USNM 438929, USNM 438930, USNM 438931, USNM 438932.

13 **South African distribution:** Entire coastline from the Orange River (NC) to KZN border  
14 with Mozambique.

15 **Remarks:** *Hydrolagus africanus* has long been misidentified with other regional  
16 *Hydrolagus* species including *H. affinis* in South African and Namibian waters and with  
17 *H. mirabilis* in Angolan waters. However, Walovich *et al.* (2015) reviewed the issue and  
18 designated a neotype clarifying the external morphology and providing a key to regional  
19 species.

20 **Conservation status:** LC (2020).

21

22 ***Hydrolagus erithacus* Walovich, Ebert, & Kemper, 2017**

23 Robin's Ghostshark

1 *Hydrolagus erithacus* Walovich, Ebert, & Kemper, 2017: 511, figs. 1–2. Holotype: SAIAB 200578. Type  
2 locality: Discovery Seamount, Southeast Atlantic Ocean, 43°46'S, 01°21'E.

3 **Local synonymy:** *Hydrolagus* sp. nov.: Compagno, 1999: 120. *Hydrolagus erithacus*:  
4 Walovich *et al.*, 2017: 511, figs. 1–2.

5 **South Africa voucher material:** Holotype: SAIAB 200578. Paratypes (8): SAIAB  
6 200579, SAM 34432, SAM 34434, SAM 34723, SAM 34724, SAM 35442, SAM 35446,  
7 SAM 35447.

8 **South African distribution:** Known from the Southeast Atlantic and Southwest Indian  
9 oceans, including near Marion Island and Prince Edward Island within the South African  
10 exclusive economic zone.

11 **Remarks:** *Hydrolagus erithacus* is the largest known ghostshark to date, exceeding that  
12 of *H. trolli* in length. The species was thought to be similar to what is now known to be  
13 *H. affinis* in South African waters. Presently, it is known from several seamounts in the  
14 southeast Atlantic and southwest Indian oceans, but it may prove to be much wider  
15 ranging in the Southern Ocean.

16 **Conservation status:** DD (2020).

17

## 18 **Family Rhinochimaeridae Garman, 1901**

19 Longnose Chimaeras

## 20 **Genus *Harriotta* Garman, 1901**

21 Narrownose Chimaeras

22 *Harriotta* Goode & Bean, 1895: 471. Type species: *Harriotta raleighana* Goode & Bean, 1895, type by  
23 monotypy.

24

1 ***Harriotta raleighana* Goode & Bean, 1895**

2 Narrownose Ghostshark

3 *Harriotta raleighana* Goode & Bean, 1895: 472, pl. 19. Lectotype: USNM 35520, established in caption to  
4 pl. 19, p. 3234 in Jordan & Evermann, 1900. Type locality: Northwestern Atlantic, Gulf Stream,  
5 39°37'45"N, 71°18'45"W.

6 **Local synonymy:** *Harriotta raleighana*: Shcherbachev, 1978: 7; Compagno, 1986: 146,  
7 fig. 33.1; Compagno *et al.*, 1989: 122, pl.; Compagno *et al.*, 1990: 202, fig. 1; Compagno  
8 *et al.*, 1991: 114; Compagno, 1999: 120; Didier *et al.*, 2012: 100; NPOA, 2013: 62;  
9 Ebert, 2014: 100, figs. 160–161; da Silva *et al.*, 2015: 247; Ebert, 2015: 200, fig. 230;  
10 Ebert & van Hees, 2015: 148; Walovich *et al.*, 2015: 163; Weigmann, 2016: 1005.

11 **South Africa voucher material:** SAIAB and SAM several uncatalogued specimens.

12 **South African distribution:** The Orange River (NC) to Doring Bay (WC).

13 **Remarks:** A wide-ranging species, it is confirmed from the west coast of South Africa  
14 but likely has a much wider range.

15 **Conservation status:** LC (2016).

16

17 **Genus *Rhinochimaera* Garman, 1901**

18 Knifetooth Chimaeras

19 *Rhinochimaera* Garman, 1901: 75. Type species: *Harriotta pacifica* Mitsukuri, 1895, type by original  
20 designation (also monotypic).

21

22 ***Rhinochimaera africana* Compagno, Stehmann & Ebert, 1990**

23 Paddlenose Chimaera

24 *Rhinochimaera africana* Compagno, Stehmann, & Ebert, 1990: 206, figs. 2–5. Holotype: SAIAB [formerly  
25 RUSI] 27744. Type locality: West of Doring Bay, Western Cape, South Africa, 31°59.8'S, 15°56.2'E.



1 **Local synonymy:** *Rhinochimaera atlantica*: Penrith, 1969: 66 (in part); Shcherbachev,  
2 1978: 8 (in part, South Africa: off Atlantic side of Agulhas Bank (WC) and off Kosi Bay  
3 (KZN); Compagno, 1986: 146 (in part, KZN). *Rhinochimaera pacifica*: Shcherbachev *et*  
4 *al.*, 1982: 28 (in part, records from Shcherbachev 1978 from Agulhas Bank and Kosi  
5 Bay). *Rhinochimaera* sp.: Compagno *et al.*, 1989: 122, pl. *Rhinochimaera africana*:  
6 Compagno *et al.*, 1990: 206, figs. 2–5; Compagno *et al.*, 1991: 115; Compagno, 1999:  
7 120; Didier *et al.*, 2012: 100; Ebert, 2014: 104, fig. 167; Ebert, 2015: 204, fig. 234; Ebert  
8 & van Hees, 2015: 148; Weigmann, 2016: 1005.

9 **South Africa voucher material:** Holotype: SAIAB 27744. Paratypes, (4): SAM 23123,  
10 ZMMU P 14392, ZIL 48699, ISH 1/90 (ex ZMMU P 14393).

11 **South African distribution:** Scattered records off Doring Bay (WC) to Kosi Bay (KZN),  
12 but likely to occur off the entire South African coast.

13 **Remarks:** The species had been misidentified with *R. atlantica* until Compagno *et al.*  
14 (1990) recognized it as distinct. Records of *R. atlantica* from off Kosi Bay are actually *R.*  
15 *africana*.

16 **Conservation status:** DD (2016).

17  
18 ***Rhinochimaera atlantica* Holt & Byrne, 1909**

19 Atlantic Spearnose Ghostshark

20 *Rhinochimaera atlantica* Holt & Byrne, 1909: 279. Holotype (unique): BMNH 1910.9.17.4. Type locality:  
21 Irish Atlantic Slope off southwest Ireland, 50°32'–50°28'N, 11°34'–11°28'W.

22 **Local synonymy:** *Rhinochimaera atlantica*: Penrith, 1969: 66 (in part, including *R.*  
23 *africana*); Shcherbachev, 1978: 8 (in part); Compagno, 1986: 146, fig. 33.3; Compagno  
24 *et al.*, 1989: 122, pl.; Compagno *et al.*, 1990: 205, fig. 6; Compagno *et al.*, 1991: 116;

1 Compagno, 1999: 120; Didier *et al.*, 2012: 100; Ebert, 2014: 104, fig. 168; Ebert, 2015:  
2 204, fig. 235; Ebert & van Hees, 2015: 148; Weigmann, 2016: 1006. *Rhinochimaera*  
3 *pacifica*: Shcherbachev, 1978: 8 (in part).

4 **South Africa voucher material:** Numerous uncatalogued specimens at SAIAB and  
5 SAM.

6 **South African distribution:** The Orange River (NC) to Plettenberg Bay (WC); records  
7 from off northern KZN are *R. africana*.

8 **Remarks:** This species is relatively common off the west coast where it is usually caught  
9 in large aggregations of the same sex and size at over 700 m deep.

10 **Conservation status:** LC (2020).

11

12

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22

23

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