ANNEX 1. Preliminary Checklist of the coastal fishes of the Socotra Archipelago, Yemen.

Preliminary species account, listing positively identified species and their archipelagic distribution records (if known), data on recording methods, total record frequencies of this study and record frequencies during the semi-standardised surveys in 1999-2000 (at 74 fish inventory sites), and mean abundances per 1.25 km^3 of 34 transect sites. The species account is arranged in systematic order to the subfamily level and alphabetically at lower levels. Subfamilies are only given, if required to understand the systematic arrangement.

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Total no. of species: 682 Cumulative data:	549	273	348	561	464	280	368	208	213	6631	5136	95.706	654	
Orectolobiformes														
Rhincodontidae:. 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**0.000**		
Rhincodon typus Smith, 1828							+	+	+			0.000	WW	Various observations, e.g. a stranded young of 6 m in length by EPA team.
Hemiscylliidae: 1 sp.	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0.000**		
Chiloscyllium arabicum Gubanov, 1980		+		+	+				+	1	1	0.000	NWI_reg	
Stegostomatidae: 1 sp.	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0.000**		
Stegostoma fasciatum (Hermann, 1783)					+			+				0.000	IWP	As *S. varium* in Kemp (1998).
Ginglystomatidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0.000**		
Nebrius ferrugineus (Lesson, 1831)							+		+			0.000	IWP	Observed by EPA team.
Lamniformes														
Lamnidae: 1 sp.	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Isurus oxyrinchus Rafinesque, 1810	+								+			0.000	WW	In Saeed (2000).
Carcharhiniformes														
Triakidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Mustelus mosis Hemprich & Ehrenberg, 1899									+			0.000	WI	Observed by EPA team.
Carcharhinidae: 13 spp.	**11**	**1**	**2**	**2**	**2**	**1**	**4**	**3**	**12**	**7**	**5**	**0.001**		
Carcharhinus albimarginatus (Rüppell, 1837)	+		+		+		+		+			0.000	IP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Carcharhinus amblyrhynchos (Bleeker, 1856)	+								+			0.000	IWP	In Saeed (2000).
Carcharhinus brevipinna (Müller & Henle, 1839)	+								+			0.000	AI-WP	In Saeed (2000).
Carcharhinus humani White & Weigmann, 2014	+								+			0.000	WI	As *C. sealei* (Pietschmann) by Zajonz (var.).
Carcharhinus limbatus (Müller & Henle, 1839)	+								+			0.000	CT	In Saeed (2000).
Carcharhinus longimanus (Poey, 1861)	+							+	+			0.000	WW	
Carcharhinus macloti (Müller & Henle, 1839)									+			0.000	IWP	Observed by EPA team.
Carcharhinus melanopterus (Quoy & Gaimard, 1824)	+								+			0.000	IP	In Steindachner (1902), Lavergne *et al.* (2016).
Carcharhinus plumbeus (Nardo, 1827)	+			+		+	+		+	1	1	0.000	WW	
Carcharhinus sorrah (Müller & Henle, 1839)	+						+		+			0.000	IWP	
Galeocerdo cuvier (Péron & Lesueur, 1822)	+							+	+			0.000	CT	
Loxodon macrorhinus Müller & Henle, 1839									+			0.000	IWP	Observed by EPA team.
Triaenodon obesus (Rüppell, 1837)	+	+	+	+	+		+	+		6	4	0.001	IP	
Sphyrnidae: 1 sp.	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**0**	**0.000**		
Sphyrna lewini (Griffith & Smith, 1834)	+				+		+	+	+			0.000	WW	In Saeed (2000).
Rhinopristiformes														
Rhinobatidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0.000**		
Rhinobatos sp.									+			0.000		Observed by EPA team.
Rhinidae: 1 sp.														
Rhynchobatus djiddensis (Forsskål, 1775)								+				0.000	WI	In Kemp (1998).
Myliobatiformes														
Dasyatidae: 6 spp.	**5**	**1**	**3**	**5**	**4**	**1**	**2**	**2**	**3**	**21**	**18**	**0.007**		Taxonomy of the family following Last *et al.* (2016b, c).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Dasyatinae														
Taeniurops meyeni (Müller & Henle, 1841)	+		+	+	+		+	+	+	11	10	0.002	IP	In Cheung & DeVantier (2006) as *T. melanospilos* Bleeker, 1853, a synonym.
Neotrygoninae														
Taeniura lymma (Forsskål, 1775)												0.000	IWP	Visual observation from Klaus *et al.* (2002); confirmed by own sightings in 2011-2014, indeed rarely seen.
Urogymninae														
Himantura uarnak (Forsskål, 1775)	+	+		+	+				+	1	1	0.000	IWP	
Maculabatis ambigua Last, Bogorodsky & Alpermann, 2016	+			+		+				1		0.000	NI-WP	As *Himantura gerrardi* (Gray) in Lavergne *et al.* (2016); described as a distinct species by Last *et al*. (2016a).
Pateobatis jenkinsii (Annandale, 1909)	+		+	+	+		+	+		5	5	0.004	IWP	In Kemp (1998), and own visual observation and identification from photograph.
Hypolophinae														
Pastinachus sephen (Forsskål, 1775)	+		+	+	+				+	3	2	0.000	IWP	
Gymnuridae: 2 spp.	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0.000**		
Gymnura cf. *poecilura* (Shaw, 1804)									+			0.000	NI-WP	Observed by EPA team.
Gymnura sp. [aff. *tentaculata* (Müller & Henle, 1841)]	+			+	+					1	1	0.000		A second species of the genus observed which best fit would be *G. tentaculata*.
Rhinopteridae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Rhinoptera jayakari Boulenger, 1895									+			0.000	IWP	Observed by EPA team.
Aetobatidae: 1 sp.														White & Naylor (2016) placed *Aetobatus* in own family.
Aetobatus ocellatus (Kuhl, 1823)	+			+	+		+	+	+	2	2	0.000	IWP	As *A. narinari* (Euphrasen) in Zajonz *et al.* (2000); distribution range is IWP based on the eastern Pacific nominal species is valid.
Myliobatidae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**1**	**2**	**2**	**2**	**0.000**		
Aetomylaeus nichofii (Bloch & Schneider, 1801)									+			0.000	NI-WP	Observed by EPA team.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Mobulidae: 3 spp.	**1**	**3**	**0**	**3**	**3**	**0**	**2**	**2**	**0**	**4**	**4**	**0.001**		Taxonomy of the family following Last *et al.* (2016c).
Mobula birostris (Walbaum, 1792)	+	+		+	+		+	+		2	2	0.001	WW	
Mobula thurstoni (Lloyd, 1908)		+		+	+			+		1	1	0.000		
Mobula sp.		+		+	+		+			1	1	0.000	WW	An unidentified third species of *Mobula*.
Elopiformes														
Elopidae: 1 sp.	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0.002**		
Elops machnata (Forsskål, 1775)		+		+	+				+	1	1	0.002	pI	
Megalopidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Megalops cyprinoides (Broussonet, 1782)									+			0.000	IWP	Observed by EPA team.
Albuliformes														
Albulidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**1**	**1**	**1**	**0.000**		
Albula oligolepis Hidaka, Iwatsuki & Randall, 2008	+			+		+			+	1	1	0.000	IWP	Observed by EPA team, confirmed by first and third authors; *Albula glossodonta* (Forsskål) possibly also occurs.
Anguilliformes														
Anguillidae: 2 spp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**1**	**2**	**0**	**0.000**		
Anguilla bicolor McClelland, 1844	+			+		+				2		0.000	IWP	In Lavergne *et al.* (2016), also Krupp *et al.* (2006).
Anguilla marmorata Quoy & Gaimard, 1824									+			0.000	IWP	Pers. comm. A. Attalah (University of Mukallah).
Muraenidae: 12 spp.	**10**	**8**	**10**	**13**	**8**	**8**	**11**	**6**	**7**	**67**	**59**	**0.015**		
Echidna nebulosa (Ahl, 1789)			+				+	+	+			0.000	IP	See Zajonz & Khalaf (2002).
Enchelycore pardalis (Temminck & Schlegel, 1846)	+	+	+	+	+	+	+			6	6	0.000	IWP	
Enchelycore schismatorhynchus (Bleeker, 1853)			+	+	+		+			1	1	0.000	NI-WP	See Zajonz & Khalaf (2002).
Gymnomuraena zebra (Shaw, 1797)							+					0.000	IP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Gymnothorax cf. *chilospilus* Bleeker, 1864			+	+		+		+		1	1	0.000	IWP	Voucher specimen under study, possibly representing an undesccribed species.
Gymnothorax favagineus Bloch & Schneider, 1801	+	+	+	+	+		+	+	+	25	19	0.007	IWP	*G. tessellata* (Richardson) listed in Zajonz *et al.* (2000) is a synonym.
Gymnothorax flavimarginatus (Rüppell, 1830)	+	+	+	+	+		+			2	2	0.002	IP	Tentative visual observation in Zajonz *et al.* (2000) confirmed by photo of 2011 (courtesy W. Wichmann).
Gymnothorax flavoculus (Böhlke & Randall, 1996)	+	+	+	+		+				7	7	0.000	NWI_ESA+S	
Gymnothorax griseus (Lacepède, 1803)	+	+	+	+	+	+	+	+		15	14	0.006	WI	
Gymnothorax javanicus (Bleeker, 1859)							+	+	+			0.000	IP	
Gymnothorax meleagris (Shaw, 1795)		+	+	+	+				+	2	2	0.001	IP	
Gymnothorax nudivomer (Günther, 1867)	+			+	+		+	+	+	2	2	0.000	IWP	
Gymnothorax pictus (Ahl, 1789)	+	+		+	+	+	+			3	2	0.000	IP	Identification of a specimen from Detwah lagoon confirmed by D.G. Smith (USNM).
Gymnothorax pseudoherrei Böhlke, 2000			+	+		+				1	1	0.000	IWP	As *G.* cf. *herrei* Beebe & Tee-Van in Zajonz & Khalaf (2002).
Gymnothorax cf. *pseudothyrsoideus* (Bleeker, 1853)	+			+		+				1	1	0.000	IWP	The voucher specimen is a juvenile of 24.1 cm; also in Lavergne *et al.* (2016).
Gymnothorax richardsonii (Bleeker, 1852)	+								+			0.000	IWP	In Steindachner (1902), Lavergne *et al.* (2016).
Gymnothorax undulatus (Lacepède, 1803)		+					+		+			0.000	IP	Identification based on a photo taken by H. Kovacs/A. Siklosi at Darsa 2005.
Gymnothorax zonipectis Seale, 1906	+			+		+				1	1	0.000	IWP	
Ophichthidae: 1 sp.	**0**	**1**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**2**	**2**	**0.000**		
Myrichthys maculosus (Cuvier, 1816)		+	+	+	+	+				2	2	0.000	IWP	
Clupeiformes														
Clupeidae: 5 spp.	**4**	**0**	**0**	**4**	**0**	**4**	**0**	**0**	**3**	**10**	**2**	**0.000**		
Clupeinae														
Herklotsichthys lossei Wongratana, 1983	+			+		+				2	1	0.000	NWI_reg	As *H.* cf. *lossei* in Zajonz *et al.* (2000), confirmed by Lavergne *et al.* (2016).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Herklotsichthys quadrimaculatus (Rüppell, 1837)	+			+		+			+	2		0.000	IWP	In Steindachner (1902) and Lavergne *et al.* (2016).
Sardinella longiceps Valenciennes, 1847									+			0.000	NWI_ reg	In Mohsen (2002) and observed by EPA team.
Dorosomatinae														
Anodontostoma cf. *chacunda* (Hamilton, 1822)	+			+		+				1	1	0.000	NI-WP	Voucher specimen under study.
Nematalosa arabica Regan, 1917	+			+		+			+	5		0.000	NWI_ reg	As *N. nasus* (Bloch) in Steindachner (1902); see Lavergne *et al.* (2016).
Engraulidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**0.000**		
Thryssa baelama (Forsskål, 1775)	+			+		+				3		0.000	IWP	In Lavergne *et al.* (2016).
Chirocentridae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**1**	**1**	**0.000**		
Chirocentrus dorab (Forsskål, 1775)	+			+	+		+			1	1	0.000	NI-WP	
Chaniformes														
Chanidae: 1 sp.	**1**	**1**	**0**	**1**	**1**	**0**	**1**	**1**	**1**	**3**	**3**	**0.000**		
Chanos chanos (Forsskål, 1775)	+	+		+	+		+	+	+	3	3	0.000	IP	
Siluriformes														
Ariidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		Family needs further study
Netuma sp.									+			0.000		Possibly both *N. thalassina* (Rüppell) and *N. bilineata* (Val.) occur, as well as species of *Plicofollis* and perhaps *Arius*; dedicated study of family required.
Plotosidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0.000**		
Plotosus lineatus (Thunberg, 1787)	+			+		+				1		0.000	IWP	In Lavergne *et al.* (2016).
Aulopiformes														
Synodontidae: 5 spp.	**5**	**2**	**2**	**5**	**4**	**3**	**2**	**0**	**1**	**26**	**17**	**0.007**		
Harpadontinae														

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Saurida gracilis (Quoy & Gaimard, 1824)	+	+	+	+	+	+				8	8	0.002	IWP	
Synodontinae														
Synodus dermatogenys Fowler, 1912	+			+	+					1		0.000	IWP	One record at Hawlaf; perhaps earlier occasionally confused with *S. variegatus*.
Synodus jaculum Russell & Cressey, 1979	+			+	+		+			1		0.000	IWP	A field drawing clearly shows the distinctive black peduncular spot.
Synodus variegatus (Lacepède, 1803)	+	+	+	+	+	+	+			15	8	0.004	IWP	Miscellaneous visual records confirmed by sample identifications of B. Russell.
Trachinocephalus trachinus (Temminck & Schlegel, 1846)	+			+		+			+	1	1	0.000	CT	Taxonomy follows Polanco *et al*. (2016), as *T. myops* (Forster) in Steindachner (1902); also in Lavergne *et al.* (2016) based on identifications of B. Russell.
Polymixiiformes														
Polymixiidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Polymixia fusca Kotthaus, 1970									+			0.000	NWI_reg	Depth range is 19-435 m, thus included in coastal account.
Ophidiiformes														
Carapidae: 2 spp.	**2**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**2**	**2**	**0.000**		
Encheliophis gracilis (Bleeker, 1856)	+			+		+				1	1	0.000	IWP	
Onuxodon fowleri (Smith, 1955)	+			+		+				1	1	0.000	NI-WP	Major westward range extension, but plausible as also present in the Red Sea (Zajonz & Heemstra unpubl., Zajonz *et al.* in prep.).
Dinematichthyidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**2**	**0.000**		
Dinematichthys iluocoeteoides Bleeker, 1855	+			+		+				2	2	0.000		Voucher specimen under study.
Lophiiformes														
Antennariidae: 1 sp.	**1**	**0**	**1**	**1**	**0**	**1**	**0**	**1**	**0**	**3**	**3**	**0.000**		

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Antennarius sp.	+		+	+		+		+	0	3	3	0.000		Voucher specimen under study.
Mugiliformes														
Mugilidae: 10 spp.	**10**	**1**	**0**	**8**	**0**	**10**	**6**	**0**	**5**	**11**	**2**	**0.000**		
Mugilinae														Generic classification of the family following Xia *et al*. (2016).
Mugil cephalus Linnaeus, 1758	+					+	+		+			0.000	WW	In Steindachner (1902), Lavergne *et al.* (2016).
Rhinomugilinae														
Crenimugil cf. *buchanani* (Bleeker, 1853)	+			+		+				1		0.000	IP	As *Moolgarda* in Lavergne *et al.* (2016).
Crenimugil crenilabis (Forsskål, 1775)	+	+		+		+	+		+	1	1	0.000	IWP	Also in Lavergne *et al.* (2016).
*Crenimugil seheli (*Forsskål, 1775)	+			+		+	+		+	1		0.000	IWP	In Steindachner (1902), as *Moolgarda* in Lavergne *et al*. (2016); also listed by Zajonz *et al*. (2000).
Ellochelon vaigiensis (Quoy & Gaimard, 1825)	+			+		+				1	1	0.000	IWP	In Lavergne *et al.* (2016).
Osteomugil cf. *cunnesius* (Valenciennes, 1836)	+			+		+				2		0.000	IWP	As *Moolgarda* in Lavergne *et al.* (2016).
Cheloninae														
Planiliza macrolepis (Smith, 1846)	+			+		+	+		+	2		0.000	IWP	As *Liza* in Lavergne *et al.* (2016), identified morphologically and by barcoding (latter pers. comm. J. Durand); four unpubl. series of a British Expedition at BMNH.
Planiliza melinopterus (Valenciennes, 1836)	+			+		+	+			2		0.000	IWP	As *Liza* in Lavergne *et al*. (2016).
Planiliza planiceps (Valenciennes, 1836)	+					+			+			0.000	IWP	As *Liza tade* (Forsskål) in Zajonz *et al*. (2000); in Lavergne *et al*. (2016) as *Chelon planiceps*.
Planiliza subviridis (Valenciennes, 1836)	+			+		+	+			1		0.000	IWP	As *Liza* in Lavergne *et al*. (2016).
Atheriniformes														
Atherinidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**5**	**0**	**0.000**		

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Atherinomorus lacunosus (Forster, 1801)	+			+		+				5		0.000	IWP	In Lavergne *et al*. (2016); possibly identical with "Atherininae sp." of Zajonz & Khalaf (2002).
Beloniformes														
Belonidae: 1 sp.	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Tylosurus choram (Rüppell, 1837)	+								+			0.000	NWI_reg	In Steindachner (1902).
Hemirhamphidae: 2 spp.	**1**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**18**	**1**	**0.000**		
Hemiramphus sp.									+			0.000		Observed by EPA team.
Hyporhamphus sindensis (Regan, 1905)	+			+		+	+			18	1	0.000	NWI_reg	Also in Lavergne *et al.* (2016).
Exocoetidae: 3 spp.	**2**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**2**	**1**	**1**	**0.000**		
Cheilopogon cf. *spilopterus* (Valenciennes, 1847)									+			0.000	IWP	Based on an accidental finding of Zajonz and resident team; specimen not documented due to circumstances.
Cheilopogon sp.	+								+			0.000	NWI_(e-S)	Originally described by Steindacnher (1902) as *Exocoetus socotranus*, later placed in *Hirundichthys* (e.g. Dor 1984). However, holotype possesses characters of *Cheilopogon* (third author, pers. observ.), more detailed examination is needed.
Cypselurus sp.	+			+		+				1	1	0.000		See Zajonz & Khalaf (2002); most likely this is *C. poecilopterus* (Valenciennes), a species collected close to Socotra (Shakhovskoy, pers. comm.), voucher specimen under study.
Cyprinodontiformes														
Cyprinodontidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**12**	**1**	**0.000**		
Aphanius dispar (Rüppell, 1829)	+			+		+	+		+	12	1	0.000	NWI_reg	Also in Lavergne *et al.* (2016).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Beryciformes														
Holocentridae: 6 spp.	**6**	**5**	**5**	**5**	**5**	**4**	**6**	**3**	**1**	**116**	**97**	**1.310**		
Holocentrinae														
Neoniphon sammara (Forsskål, 1775)	+	+	+	+	+		+			12	7	0.020	IWP	
Sargocentron caudimaculatum (Rüppell, 1838)	+	+	+	+	+	+	+	+		25	20	0.307	IWP	
Sargocentron diadema (Lacepède, 1802)	+	+	+	+	+	+	+		+	16	14	0.236	IWP	
Sargocentron seychellense (Smith & Smith, 1963)	+	+	+	+	+	+	+			19	18	0.047	WI	
Sargocentron spiniferum (Forsskål, 1775)	+						+	+				0.000	IWP	
Myripristinae														
Myripristis murdjan (Forsskål, 1775)	+	+	+	+	+	+	+	+		44	38	0.700	IWP	*M. xanthacra* Randall & Guézé and *M. botche* Cuvier expected to occur; the latter recently documented from Yemen mainland (Aideed & Zajonz, unpubl.).
Syngnathiformes														
Aulostomidae: 1 sp.	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0.001**		
Aulostomus chinensis (Linnaeus, 1766)		+		+	+					1	1	0.001	IP	
Syngnathidae: 7 spp.	**7**	**3**	**4**	**7**	**0**	**7**	**2**	**0**	**1**	**24**	**19**	**0.000**		Family needs further study
Syngnathinae														
Choeroichthys brachysoma (Bleeker, 1855)	+	+	+	+		+				7	6	0.000	IWP	
Corythoichthys benedetto Allen & Erdmann, 2008	+		+	+		+	+		+	1		0.000	NI-WP	Initial identification (in 2014) based on photos by H. Kovacs/A. Siklosi from Abd al-Kuri in 2005. Two specimens of 2009 from Socotra subsequently identified as identical. Recently another photo of a male taken at Abd al-Kuri by F.N. Saeed (Zajonz *et al.* in prep.).
Corythoichthys sp.	+	+	+	+		+				3	3	0.000		Voucher specimens under study.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Doryrhamphus excisus Kaup, 1856	+	+	+	+		+				8	7	0.000	NWI_e-RSGA	The subspecies *D. e. abbreviatus* Dawson, 1981 is a synonym (Kuiter 2009).
Dunckerocampus multiannulatus (Regan, 1903)	+			+		+				2	2	0.000	pI	
Hippichthys spicifer (Rüppell, 1838)	+			+		+				2	1	0.000	IWP	In Lavergne *et al.* (2016).
Hippocampinae														
Hippocampus suezensis Duncker, 1940	+			+		+	+			1		0.000	NWI_reg	Socotra specimen (coll. M. Ziegler) large with 23 cm TL but within reported size range (Kuiter 2009; FishBase 2017).
Fistulariidae: 2 spp.	**1**	**2**	**2**	**2**	**2**	**0**	**1**	**1**	**0**	**17**	**11**	**0.021**		
Fistularia commersonii Rüppell, 1838	+	+	+	+	+		+	+		15	11	0.021	IP	
Fistularia petimba Lacepède, 1803		+	+	+	+					2		0.000	WW	Two sightings at Abd al-Kuri and Darsa.
Scorpaeniformes														
Scorpaenidae: 11 spp.	**9**	**4**	**6**	**9**	**4**	**6**	**4**	**3**	**4**	**31**	**29**	**0.004**		
Scorpaeninae														
Scorpaenodes evides (Jordan & Thompson, 1914)	+	+	+	+		+				6	5	0.000	IWP	
Scorpaenodes sp.	+	+		+		+				2	2	0.000		Voucher specimens under study.
Scorpaenopsis barbata (Rüppell, 1838)	+			+		+	+		+	1	1	0.000	NWI_reg	Photo record of M. Martin from Socotra, voucher specimens under study.
Scorpaenopsis diabolus (Cuvier, 1829)								+				0.000	IWP	
Scorpaenopsis cf. *lactomaculata* (Herre, 1945)	+			+		+				1	1	0.000	NWI_reg	
Scorpaenopsis oxycephala (Bleeker, 1849)			+				+		+			0.000	IWP	Identification based on a photo by H. Kovacs/A. Siklosi at Abd al-Kuri .
Sebastapistes sp.	+		+	+		+				2	2	0.000		Voucher specimens under study.
Pteroinae														
Pterois antennata (Bloch, 1787)	+	+	+	+	+	+	+	+	+	8	7	0.002	IWP	Leg. H. Hass, Xarifa Expedition 1957, det. Klausewitz SMF 4625-4626 (unpubl.).
Pterois miles (Bennett, 1828)	+	+	+	+	+		+	+		5	5	0.002	pI	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pterois mombasae (Smith, 1957)	+			+	+					4	4	0.000	pI	
Pterois radiata Cuvier, 1829	+		+	+	+				+	2	2	0.001	IWP	Leg. H. Hass, Xarifa Expedition 1957, det. Klausewitz SMF 9767 (unpubl.).
Synanceiidae: 2 spp.	**2**	**0**	**0**	**1**	**1**	**0**	**2**	**0**	**1**	**2**	**1**	**0.000**		
Chorydactylinae														
Inimicus filamentosus (Cuvier, 1829)	+						+		+			0.000	WI	
Synanceiinae														
Synanceia verrucosa Bloch & Schneider, 1801	+			+	+		+			2	1	0.000	IWP	
Tetrarogidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**0.000**		
Snyderina guentheri (Boulenger, 1889)	+			+		+				1	1	0.000	NWI_reg	
Platycephalidae: 1 sp.	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0.000**		Family needs further study
Papilloculiceps longiceps (Cuvier, 1829)		+	+				+		+			0.000	WI	Observed by EPA team.
Perciformes														
Ambassidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**1**	**8**	**0**	**0.000**		
Ambassis dussumieri Cuvier, 1828	+			+		+			+	8		0.000	IWP	See Lavergne *et al.* (2016); as *A. gymnocephalus* in Zajonz *et al.* (2000) and Steindachner (1902).
Serranidae: 37 spp.	**29**	**13**	**17**	**31**	**30**	**10**	**23**	**14**	**21**	**376**	**289**	**1.114**		
Anthiadinae														
Pseudanthias cooperi (Regan, 1902)	+			+	+					1	1	0.000	IWP	
Pseudanthias evansi (Smith, 1954)			+	+	+					1	1	0.000	pI	
Pseudanthias marcia Randall & Hoover, 1993	+	+	+	+	+	+	+			6	6	0.028	NWI_ESA+S	Also recorded by Krupp and Zajonz (unpubl.) from Djibouti, Golfe de Tajoura.
Pseudanthias squamipinnis (Peters, 1855)	+	+	+	+	+	+	+	+	+	33	28	0.694	IWP	
Pseudanthias townsendi (Boulenger, 1897)		+		+	+		+			1	1	0.000	NWI_ESA+S	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Epinephelinae														
Aethaloperca rogaa (Forsskål, 1775)	+	+	+	+	+		+	+		31	22	0.009	IWP	Moved to *Cephalopholis* by Ma & Craig (2018).
Cephalopholis argus Bloch & Schneider, 1801	+	+	+	+	+	+	+	+	+	49	34	0.095	IWP	
Cephalopholis aurantia (Valenciennes, 1828)									+			0.000	IWP	In Mohsen (2002); confirmed presence at Yemen mainland (Aideed pers. obs.).
Cephalopholis hemistiktos (Rüppell, 1830)	+		+	+	+	+			+	8	7	0.016	NWI_reg	
Cephalopholis miniata (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	42	28	0.066	IWP	
Cephalopholis sexmaculata (Rüppell, 1830)	+			+	+		+	+		4	1	0.001	IWP	
Cephalopholis sonnerati (Valenciennes, 1828)	+		+	+	+	+	+	+	+	9	9	0.007	IWP	
Dermatolepis striolata (Playfair, 1867)	+	+	+	+	+		+	+	+	9	8	0.030	WI	
Epinephelus areolatus (Forsskål, 1775)									+			0.000	IWP	In Mohsen (2002).
Epinephelus cf. *chlorostigma* (Valenciennes, 1828)	+			+	+		+		+	2	2	0.008	IWP	Records dated well before the recent resurrection of *E. geoffroyi* (Randall *et al.* 2013b), reconfirmation desired.
Epinephelus cf. *coioides* (Hamilton, 1822)	+			+	+					1	1	0.000	IWP	
Epinephelus epistictus (Temminck & Schlegel, 1842)	+			+	+		+			1	1	0.000	IWP	Moved to *Mycteroperca* by Ma & Craig (2018).
Epinephelus erythrurus (Valenciennes, 1828)	+			+		+				1	1	0.000	NI-WP	Substantial range extension (Zajonz *et al.* in prep.).
Epinephelus fasciatus (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	65	50	0.097	IWP	
Epinephelus flavocaeruleus (Lacepède, 1802)	+	+	+	+	+	+	+	+	+	27	23	0.019	pI	
Epinephelus fuscoguttatus (Forsskål, 1775)								+				0.000	IWP	
Epinephelus gabriellae Randall & Heemstra, 1991	+			+	+		+			1	1	0.002	NWI_reg	
Epinephelus cf. *indistinctus* Randall & Heemstra, 1991	+			+	+		+			1	1	0.000	NWI_reg	Based on a single sighting.
Epinephelus lanceolatus (Bloch, 1790)	+			+	+		+		+	1	1	0.000	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Epinephelus cf. *malabaricus* (Bloch & Schneider, 1801)	+			+	+					1	1	0.000	IP	Rare, but recorded visually independently by two observers.
Epinephelus multinotatus (Peters, 1876)	+	+	+	+	+		+	+	+	7	5	0.000	IWP	
Epinephelus poecilonotus (Temminck & Schlegel, 1843)									+			0.000	IWP	In Mohsen (2002); moved to *Mycteroperca* by Ma & Craig (2018).
Epinephelus radiatus (Day, 1868)									+			0.000	IWP	In Mohsen (2002); moved to *Mycteroperca* by Ma & Craig (2018).
Epinephelus stoliczkae (Day, 1875)	+		+	+	+		+	+	+	12	11	0.002	NWI_reg	
Epinephelus summana (Forsskål, 1775)	+			+	+				+	1	1	0.000	NWI_e-RSGA	
Epinephelus tukula Morgans, 1959	+		+	+	+		+	+		5	5	0.002	IWP	
Epinephelus undulosus (Quoy & Gaimard, 1824)	+			+	+		+		+	1	1	0.000	IWP	Mohsen (2002).
Hyporthodus octofasciatus (Griffin, 1926)									+			0.000	IWP	Observed in landings of Socotra catch at the Yemen mainland by Aideed.
Plectropomus areolatus (Rüppell, 1830)	+			+	+				+	1		0.000	NI-WP	Observed by EPA team.
Plectropomus punctatus (Quoy & Gaimard, 1824)	+	+	+	+	+		+			19	11	0.013	WI	
Variola louti (Forsskål, 1775)	+	+	+	+	+		+	+	+	30	22	0.026	IWP	
Grammistinae														
Pogonoperca ocellata Günther, 1859	+	+	+	+	+	+	+			5	5	0.000	pI	As *P. punctata* (Valenciennes) in Zajonz *et al.* (2002).
Cirrhitidae: 4 spp. [3]	**3**	**3**	**3**	**3**	**3**	**2**	**2**	**3**	**2**	**56**	**46**	**0.034**		
Cirrhitichthys calliurus Regan, 1905	+	+	+	+	+	+	+	+		27	20	0.008	NWI_reg	
Cirrhitichthys oxycephalus (Bleeker, 1855)	+	+	+	+	+	+	+	+	+	23	21	0.017	IP	
Cirrhitus spilotoceps (Schultz, 1950)									+			0.000	NWI_reg	*Sensu* Gaither & Randall (2013); as *C. pinnulatus* (Bloch & Schneider) in Zajonz *et al.* (2000).

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[3] DiBattista *et al*. (2015a) reported the following additional hybrid from Socotra after the present account and related statistics had been completed: *Cirrhitichthys calliurus* x *oxycephalus.*

ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Paracirrhites forsteri (Schneider, 1801)	+	+	+	+	+			+		6	5	0.009	IWP	
Pseudochromidae: 13 spp.	**11**	**8**	**9**	**13**	**11**	**12**	**7**	**1**	**1**	**161**	**128**	**0.481**		
Pseudochrominae														
Pseudochromis chrysospilus Gill & Zajonz, 2011	+			+	+	+	+			7	6	0.051	**NWI_e-S**	Endemic to Socotra.
Pseudochromis dixurus Lubbock, 1975	+			+	+					4	4	0.010	NWI_e-RSGA	See Gill & Zajonz (2011), previously believed to be a Red Sea endemic; several visual observations considered certain.
Pseudochromis leucorhynchus Lubbock, 1977	+	+	+	+	+	+			+	12	9	0.003	WI	See Gill & Zajonz (2011); subsequent photographic and sampling records
Pseudochromis linda Randall & Stanaland, 1989	+	+	+	+	+	+	+			25	18	0.047	NWI_reg	See Gill & Zajonz (2011).
Pseudochromis nigrovittatus Boulenger, 1897	+	+	+	+	+	+	+	+		32	24	0.132	NWI_reg	See Gill & Zajonz (2011).
Pseudochromis cf. *omanensis* Gill & Mee, 1993	+	+	+	+	+	+				5	3	0.012	NWI_ESA+S	See Gill & Zajonz (2011); visual record, confirmation by sampling desired.
Pseudochromis cf. *punctatus* Kotthaus, 1970	+	+	+	+	+	+	+			6	5	0.011	NWI_reg	See Gill & Zajonz (2011); based on a single specimen, more sampling desired
Pseudochromis sankeyi Lubbock, 1975	+		+	+	+	+	+			14	10	0.000	NWI_e-RSGA	See Gill & Zajonz (2011).
Pseudochromis socotraensis Gill & Zajonz, 2011	+	+	+	+	+	+	+			48	41	0.216	**NWI_e-S**	Endemic to Socotra.
Congrogadinae														
Chlidichthys bibulus (Smith, 1954)	+			+	+	+				2	2	0.000	WI	See Gill & Zajonz (2011).
Chlidichthys cacatuoides Gill & Randall, 1994	+	+		+		+	+			2	2	0.000	NWI_ESA+S	See Gill & Zajonz (2011).
Halidesmus socotraensis Gill & Zajonz, 2003			+	+		+				1	1	0.000	**NWI_e-S**	Endemic to Socotra.
Haliophis guttatus (Forsskål, 1775)		+	+	+	+	+				3	3	0.000	WI	See Gill & Zajonz (2003).
Plesiopidae: 2 spp.	**2**	**0**	**0**	**2**	**1**	**2**	**0**	**0**	**0**	**4**	**2**	**0.000**		
Plesiops coeruleolineatus Rüppell, 1835	+			+	+	+				1	1	0.000	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Plesiops cf. *mystaxus* Mooi, 1995	+			+		+				3	1	0.000	WI	Voucher specimen under study.
Opistognathidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0.000**		
Opistognathus muscatensis Boulenger, 1888							+		+			0.000	WI	Photo reported by fishermen to M. Shekih from 'Al Himaer' bank near Abd al-Kuri.
Terapontidae: 2 spp.	**2**	**0**	**0**	**2**	**0**	**2**	**1**	**1**	**2**	**21**	**2**	**0.000**		
Terapon jarbua (Forsskål, 1775)	+			+		+	+	+	+	20	1	0.000	IWP	Also in Steindachner (1902), Lavergne *et al.* (2013), Lavergne *et al.* (2016).
Terapon puta Cuvier, 1829	+			+		+			+	1	1	0.000	IWP	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Kuhliidae: 1 sp.	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**1**	**1**	**3**	**1**	**0.000**		
Kuhlia mugil (Forster, 1801)	+	+		+		+	+	+	+	3	1	0.000	IP	Zajonz *et al.* (2000) listed *K. taeniura* with reference to Steindachner (1902), synonym of *K. mugil*; see also Lavergne *et al.* (2016).
Priacanthidae: 3 spp.	**3**	**0**	**0**	**3**	**3**	**0**	**0**	**2**	**0**	**7**	**6**	**0.020**		
Priacanthus blochii Bleeker, 1853	+			+	+			+		3	2	0.000	IWP	Steindachner (1902) mistakenly listed *P. arenatus* (Cuvier & Valenciennes), which probably refers to *P. blochii*.
Priacanthus hamrur (Forsskål, 1775)	+			+	+			+		3	3	0.020	IWP	
Priacanthus cf. *tayenus* Richardson, 1846	+			+	+					1	1	0.000	IWP	Visual observation, comparison with *P. sagittarius* Starnes desirable.
Apogonidae: 24 spp.	**22**	**9**	**13**	**24**	**18**	**18**	**14**	**4**	**1**	**231**	**178**	**9.458**		Family needs further study
Apogon coccineus Rüppell, 1838	+	+	+	+	+	+				4	3	0.000	NWI_reg	
Apogon semiornatus Peters, 1876	+	+	+	+	+	+	+			19	16	0.000	IWP	
Apogonoichthyoides pseudotaeniatus (Gon, 1986)	+			+		+				1		0.000	IWP	Coll. T. Alpermann.
Apogonoichthyoides cf. *taeniatus* (Cuvier, 1828)	+			+		+				1	1	0.000	WI	
Apogonoichthyoides cf. *timorensis* (Bleeker, 1854)	+			+		+				2	1	0.000	IWP	
Cheilodipterus arabicus (Gmelin, 1789)	+	+	+	+	+	+	+			17	15	0.083	WI	
Cheilodipterus cf. *artus* Smith 1961	+			+	+					2	2	0.004		More study desirable.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Cheilodipterus macrodon (Lacepède, 1802)	+	+	+	+	+	+	+	+		24	21	0.087	IWP	
Cheilodipterus novemstriatus (Rüppell, 1838)	+			+		+	+		+	1		0.000	NWI_reg	Photo records from Darsa Island of 2007 and Socotra of 2011 are reliable.
Cheilodipterus persicus Gon, 1993			+	+	+		+			1		0.000	NWI_reg	Observer Zajonz well familiar with this species, identification supported by field drawing and notes; the recording locality known to be a trap for rare species.
Cheilodipterus quinquelineatus Cuvier, 1828	+		+	+	+	+	+	+		11	10	0.047	IWP	
Fowleria vaiulae (Jordan & Seale 1906)	+			+		+				1		0.000	IWP	
Jaydia quecketti (Gilchrist, 1903)	+			+		+				1		0.000	pI	
Lepidamia multitaeniatus (Cuvier, 1828)	+			+	+					1	1	0.001	NWI_e-RSGA	Misidentified by Zajonz *et al.* (2000) as *Apogon natalensis* Gilchrist & Thompson.
Ostorhinchus aureus (Lacepède, 1802)	+	+	+	+	+	+	+	+		36	30	0.258	IWP	As *Apogon* in Zajonz *et al.* (2000).
Ostorhinchus cookii (Macleay, 1881)	+		+	+	+	+				3	3	0.002	IWP	As *Apogon* in Zajonz *et al.* (2000).
Ostorhinchus cyanosoma (Bleeker, 1853)	+	+		+	+	+	+			11		0.000	IWP	
Ostorhinchus fleurieu Lacepède, 1802	+		+	+	+		+			11	10	0.284	IWP	As *Apogon* in Zajonz *et al.* (2000).
Ostorhinchus holotaenia (Regan, 1905)	+			+	+	+	+			2		0.000	IWP	
Pristiapogon fraenatus (Valenciennes, 1832)	+	+	+	+	+	+				10	10	0.000	IWP	As *Apogon* in Zajonz *et al.* (2000).
Pristiapogon kallopterus (Bleeker, 1856)			+	+	+		+			1	1	0.000	IWP	As *Apogon* cf. *kallopterus* in Zajonz *et al.* (2000), confirmed meanwhile.
Siphamia tubifer Weber, 1909	+	+	+	+	+	+	+			46	35	7.468	IWP	As *S. versicolor* in Zajonz *et al.* (2000).
Taeniamia fucata (Cantor, 1849)	+	+	+	+	+	+	+	+		23	18	1.223	IWP	As *Archamia* in Zajonz *et al.* (2000).
Verulux cypselurus (Weber, 1909)	+			+	+		+			2	1	0.000	IWP	As *Rhabdamia* in Zajonz *et al.* (2000).
Silliganidae: 1 sp.	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**0**	**0**	**10**	**2**	**0.000**		
Sillago cf. *sihama* (Forsskål, 1775)	+		+	+	+	+	+			10	2	0.000	IWP	Voucher specimens under study.
Malacanthidae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**5**	**4**	**0.001**		
Malacanthus latovittatus (Lacepède, 1801)	+			+	+					5	4	0.001	IWP	
Pomatomidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**1**	**1**	**0.000**		

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pomatomus saltatrix (Linnaeus, 1766)	+			+		+	+		+	1	1	0.000	CT	
Rachycentridae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Rachycentron canadum (Linnaeus, 1766)									+			0.000	WW	Observed by EPA team.
Echeneidae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0.000**		
Echeneis naucrates Linnaeus, 1758	+			+	+				+	1	1	0.000	CT	Also in Steindachner (1902).
Coryphaenidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		
Coryphaena hippurus Linnaeus, 1758									1			0.000	CT	Also ZMH 5163 (S off Socotra).
Carangidae: 22 spp.	**17**	**8**	**6**	**15**	**15**	**4**	**11**	**6**	**16**	**80**	**57**	**0.411**		
Alepes djedaba (Forsskål, 1775)	+								+			0.000	IWP	In Hariri & Yusif (1999).
Carangoides bajad (Forsskål, 1775)	+			+	+				+	1	1	0.000	IWP	
Carangoides chrysophrys (Cuvier, 1833)									+			0.000	IWP	In Mohsen (2002).
Carangoides ferdau (Forsskål, 1775)	+	+	+	+	+		+			9	6	0.025	IWP	
Carangoides gymnostethus (Cuvier, 1833)	+			+	+		+			1	1	0.000	IWP	
Caranx heberi (Bennett, 1830)	+		+	+	+	+	+		+	15	6	0.147	IWP	The erroneus record of *C. latus* Agassiz, by Steindachner (1902) might represent *C. heberi* or *lugubris*; see Lavergne *et al.* (2016).
Caranx ignobilis (Forsskål, 1775)	+	+	+	+	+	+		+	+	5	4	0.002	IWP	
Caranx lugubris Poey, 1860	+	+		+	+		+	+		2	2	0.000	CT	See remark for *C. heberi*.
Caranx melampygus Cuvier, 1833	+	+	+	+	+		+	+	+	21	16	0.215	IP	
Caranx sexfasciatus Quoy & Gaimard, 1825	+		+	+	+		+	+	+	5	5	0.006	IP	
Decapterus russelli (Rüppell, 1830)	+								+			0.000	IWP	In Steindachner (1902).
Elagatis bipinnulata (Quoy & Gaimard, 1825)	+	+		+	+				+	2	1	0.000	CT	
Gnathanodon speciosus (Forsskål, 1775)	+	+		+	+		+		+	4	4	0.017	IP	
Scomberoides commersonnianus Lacepède, 1801								+				0.000	IWP	
Scomberoides lysan (Forsskål, 1775)	+		+	+	+	+			+	8	5	0.000	IWP	
Scomberoides tol (Cuvier, 1832)									+			0.000	IWP	Observed by EPA team.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Seriola dumerili (Risso, 1810)	+	+		+	+		+			2	2	0.000	CT	
Seriola rivoliana Valenciennes, 1833							+		+			0.000	CT	In Mohsen (2002), sampling desired.
Trachinotus africanus Smith, 1967									+			0.000	pI	Observed by EPA team, sampling desired.
Trachinotus baillonii (Lacepède, 1801)	+	+		+	+	+	+		+	2	2	0.000	IWP	
Trachinotus blochii (Lacepède, 1801)	+			+	+		+	+	+	2	2	0.000	IWP	
Trachinotus botla (Shaw, 1803)	+			+	+					1		0.000	pI	
Leiognathidae: 2 spp.	**2**	**0**	**0**	**2**	**1**	**2**	**1**	**0**	**0**	**6**	**2**	**0.000**		
Aurigequula fasciata (Lacepède, 1803)	+			+		+				4		0.000	IWP	In Lavergne *et al.* (2016).
Leiognathus equulus (Forsskål, 1775)	+			+	+	+	+			2	2	0.000	IWP	
Lutjanidae: 23 spp.	**18**	**10**	**13**	**19**	**19**	**6**	**14**	**10**	**17**	**252**	**201**	**4.160**		
Etelinae														
Aphareus furca (Lacepède, 1801)									+			0.000	IP	In Mohsen (2002); species not reported from NWI according to FishBase 2017, but listed so by Debelius (1998).
Aphareus rutilans Cuvier, 1830	+			+	+					1		0.000	IWP	Species not reported from NWI according to FishBase 2017.
Aprion virescens Valenciennes, 1830	+	+	+	+	+		+		+	7	7	0.007	IWP	Also observed by EPA team; species not reported from NWI according to FishBase 2017, but listed so by Debelius (1998).
Pristipomoides cf. *filamentosus* (Valenciennes 1830)	+		+	+	+				+	4	2	0.002	IWP	Also observed by the EPA team, sampling desired.
Lutjaninae														
Lutjanus argentimaculatus (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	24	11	0.013	IWP	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Lutjanus bohar (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	65	55	0.245	IWP	
Lutjanus coeruleolineatus (Rüppell, 1838)	+	+	+	+	+		+	+	+	10	8	0.052	NWI_reg	
Lutjanus ehrenbergii (Peters, 1869)	+		+	+	+	+	+	+	+	14	12	0.067	IWP	Also in Lavergne *et al.* (2016).
Lutjanus fulviflamma (Forsskål, 1775)	+	+		+	+	+			+	16	10	0.043	IWP	Also in Lavergne *et al.* (2016).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Lutjanus fulvus (Foster, 1801)	+		+	+	+	+	+	+		12	10	0.007	IWP	Also in Lavergne *et al.* (2016).
Lutjanus gibbus (Forsskål, 1775)	+	+	+	+	+		+	+	+	27	25	0.231	IWP	
Lutjanus cf. *indicus* Allen, White & Erdmann, 2013									+			0.000	pI	As *L. russellii* (Bleeker) in Mohsen (2002), a species known from the western Pacific, Indian Ocean population provisionally assigned to *L. indicus*, requiring genetic study (FishBase 2017).
Lutjanus kasmira (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	29	24	3.354	IWP	See remark for *L. bengalensis*.
Lutjanus lunulatus (Park, 1797)	+			+	+					2	2	0.049	NI-WP	
Lutjanus lutjanus Bloch, 1790	+			+	+		+		+	1	1	0.000	IWP	Also in Mohsen (2002).
Lutjanus malabaricus (Bloch & Schneider, 1801)									+			0.000	NI-WP	In Mohsen (2002).
Lutjanus monostigma (Cuvier, 1828)	+	+	+	+	+		+	+		22	19	0.054	IWP	
Lutjanus quinquelineatus (Bloch, 1790)	+		+	+	+		+			4	3	0.002	NI-WP	
Lutjanus rivulatus (Cuvier, 1828)	+	+	+	+	+		+	+	+	10	8	0.004	IWP	
Lutjanus sanguineus (Cuvier, 1828)									+			0.000	WI	In Mohsen (2002).
Lutjanus sapphirolineatus Iwatsuki, Al-Mamry & Heemstra, 2016		+		+	+		+		+	1	1	0.027	IWP	According to Iwatsuki *et al.* (2016), as *L. bengalensis* in Zajonz *et al.* (2000) and Lavergne *et al.* (2016), and by EPA team; abundance data merged with *L. kasmira*.
Lutjanus sebae (Cuvier, 1816)	+			+	+		+		+	1	1	0.000	IWP	
Macolor niger (Forsskål, 1775)	+		+	+	+			+		2	2	0.002	IWP	
Caesionidae: 7 spp.	**6**	**5**	**7**	**7**	**6**	**3**	**6**	**2**	**2**	**87**	**68**	**5.408**		
Caesio caerulaurea Lacépède, 1801			+	+					+	1		0.000	IWP	A single observation by Lavergne and Zajonz at Abd al-Kuri.
Caesio lunaris Cuvier, 1830	+	+	+	+	+	+	+	+	+	29	22	2.298	IWP	Also in Steindachner (1902).
Caesio varilineata Carpenter, 1987	+	+	+	+	+	+	+			15	12	0.239	pI	
Caesio xanthonota Bleeker, 1853	+	+	+	+	+	+	+	+		18	14	1.650	pI	
Pterocaesio chrysozona (Cuvier, 1830)	+	+	+	+	+		+			15	11	0.584	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pterocaesio marri Schultz, 1953	+	+	+	+	+		+			6	6	0.637	IWP	Sampling desired.
Pterocaesio pisang (Bleeker, 1853)	+		+	+	+		+			3	3	0.000	IWP	
Gerreidae: 4 spp.	**4**	**0**	**0**	**4**	**1**	**4**	**1**	**0**	**3**	**23**	**5**	**0.000**		
Gerres cf. *infasciatus* Iwatsuki & Kimura, 1998	+			+	+	+	+		+	12	3	0.000	IWP	As G. *filamentosus* Cuvier in Steindachner (1902) and Lavergne *et al.* (2016), which presence in the NWI is in doubt (Iwatsuki *et al.* 2015).
Gerres longirostris (Lacepède, 1801)	+			+		+			+	5	1	0.000	IWP	As *G. acinaces* Bleeker in Zajonz *et al.* (2000); also in Lavergne *et al.* (2016)
Gerres macracanthus Bleeker, 1854	+			+		+				3		0.000	IWP	In Lavergne *et al.* (2016).
Gerres oyena (Forsskål, 1775)	+			+		+			+	3	1	0.000	IWP	As *G. socotranus* Steindachner in Zajonz *et al.* (2000), a synonym of *G. oyena*; also in Lavergne *et al.* (2016).
Haemulidae: 17 spp.	**15**	**6**	**10**	**16**	**13**	**5**	**9**	**5**	**10**	**113**	**97**	**0.125**		
Haemulinae														
Pomadasys argenteus (Forsskål, 1775)	+			+		+			+	1	1	0.000	NI-WP	
Pomadasys commersonnii (Lacepède, 1801)	+			+		+				3		0.000	WI	Also in Lavergne *et al.* (2016).
Pomadasys kaakan (Cuvier, 1830)	+			+	+	+	+			5	1	0.000	IWP	Also in Lavergne *et al.* (2016).
Pomadasys punctulatus (Rüppell, 1838)	+			+		+			+	2		0.000	NWI_reg	Also in Lavergne *et al.* (2016).
Pomadasys stridens (Forsskål, 1775)	+			+	+	+				2	2	0.000	WI	As *Pomadasys* sp. in Zajonz & Khalaf (2002), identified subsequently by examination of voucher specimen.
Pomadasys taeniatus McKay & Randall, 1995	+		+	+	+					2	2	0.000	NWI_ESA+S	
Plectorhinchinae														
Diagramma pictum (Thunberg, 1792)			+				+					0.000	IWP	Identification based on a photo taken by H. Kovacs/A. Siklosi at Abd al-Kuri.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Diagramma punctatum Cuvier, 1830	+	+		+	+		+	+	+	3	3	0.000	NWI_e-RSGA	In Mohsen (2002); as *D. pictum* in Zajonz *et al.* (2000), more likely it is the Red Sea subspecies representing an eastward out-of-endemic-range extension. *Diagramma labiosum* Macleay, 1883 is a synonym
Plectorhinchus cf. *chubbi* (Regan, 1919)			+	+	+					1	1	0.000	pI	Listed in Zajonz & Khalaf (2002) based on a visual observation; a rare species, records from eastern Indian Ocean and western Pacific under question.
Plectorhinchus flavomaculatus (Cuvier, 1830)	+		+	+	+		+		+	11	10	0.007	IWP	Also observed by EPA team.
Plectorhinchus gaterinus (Forsskål, 1775)	+	+	+	+	+		+	+	+	35	32	0.094	WI	Also observed by EPA team.
Plectorhinchus gibbosus (Lacepède, 1802)	+	+		+	+					6	4	0.001	IWP	
Plectorhinchus pictus (Tortonese, 1936)	+	+	+	+	+		+	+	+	6	6	0.005	IWP	Also observed by EPA team.
Plectorhinchus picus (Cuvier, 1830)	+	+	+	+	+		+		+	3	3	0.002	IWP	Photographic identification reliable.
Plectorhinchus playfairi (Pellegrin, 1914)	+		+	+	+		+	+	+	15	14	0.002	WI	
Plectorhinchus schotaf (Forsskål, 1775)	+	+	+	+	+			+	+	11	11	0.008	WI	
Plectorhinchus sordidus (Klunzinger, 1870)	+		+	+	+		+		+	7	7	0.006	WI	
Sparidae: 7 spp.	**5**	**0**	**0**	**4**	**3**	**3**	**1**	**2**	**5**	**29**	**15**	**0.004**		
Acanthopagrus berda (Forsskål, 1775)	+			+	+	+			+	8	2	0.000	IWP	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Acanthopagrus bifasciatus (Forsskål, 1775)	+			+	+	+	+	+	+	17	11	0.004	NWI_reg	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Acanthopagrus catenula (Lacépede, 1801)									+			0.000	WI	Reported (Iwatsuki & Heemstra 2011) from fisher catch near Socotra, confirmed from Yemen mainland (Aideed pers. obs.).
Argyrops cf. *spinifer* (Forsskål, 1775)									+			0.000	IWP	Observed by EPA team.
Crenidens crenidens (Forsskål, 1775)	+			+		+				3	1	0.000	NWI_reg	As *C. indicus* in Steindachner (1902) and Zajonz *et al.* (2000), but as *C. crenidens* (Forsskål) in Lavergne *et al.* (2016); *C. indicus* treated as a valid species in Bogorodsky *et al.* (2017).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Diplodus cf. *kotschyi* (Steindachner, 1876)	+			+	+			+		1	1	0.000	NWI_reg	As *D. sargus* spp. in Zajonz *et al.* (2000), which is known only from E Atlantic.
Pagellus affinis Boulenger, 1888	+								+			0.000	NWI_reg	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Lethrinidae: 11 spp.	**11**	**7**	**7**	**11**	**11**	**5**	**7**	**5**	**6**	**111**	**95**	**0.606**		
Lethrininae														
Lethrinus borbonicus Valenciennes, 1830	+	+	+	+	+	+	+		+	23	21	0.276	WI	
Lethrinus harak (Forsskål, 1775)	+			+	+	+				4	3	0.001	IWP	Also in Lavergne *et al.* (2016).
Lethrinus lentjan (Lacepède, 1802)	+		+	+	+	+			+	4	2	0.000	IWP	Also in Lavergne *et al.* (2016).
Lethrinus mahsena (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	18	16	0.143	WI	
Lethrinus microdon Valenciennes, 1830	+	+	+	+	+		+		+	15	12	0.007	IWP	
Lethrinus nebulosus (Forsskål, 1775)	+	+	+	+	+	+	+	+	+	15	14	0.147	IWP	Also in Lavergne *et al.* (2016).
Lethrinus obsoletus (Forsskål, 1775)	+	+	+	+	+		+			5	4	0.007	IWP	
Lethrinus cf. *olivaceus* Valenciennes, 1830	+	+		+	+			+	+	2	2	0.001	IWP	Mohsen (2002), visually only.
Lethrinus variegatus Valenciennes, 1830	+			+	+			+		2	2	0.002	IWP	
Monotaxinae														
Gymnocranius grandoculis (Valenciennes, 1830)	+			+	+		+			1	1	0.000	IWP	
Monotaxis grandoculis (Forsskål, 1775)	+	+	+	+	+		+	+		22	18	0.023	IWP	Also in Hariri & Yusif (1999).
Nemipteridae: 5 spp.	**5**	**1**	**1**	**4**	**4**	**1**	**2**	**0**	**3**	**44**	**37**	**0.119**		
Nemipterus japonicus (Bloch, 1791)	+								+			0.000	IWP	In Hariri & Yusif (1999).
Scolopsis bimaculatus Rüppell, 1828	+			+	+		+			1		0.000	pI	Based on a field drawing, distinguished from *S. taeniatus* Cuvier by having rather a blotch than a stripe dorsolaterally.
Scolopsis ghanam (Forsskål, 1775)	+	+	+	+	+	+	+			37	34	0.115	pI	
Scolopsis taeniatus (Cuvier, 1830)	+			+	+				+	4	3	0.003	NWI_reg	
Scolopsis vosmeri (Bloch, 1792)	+			+	+				+	2		0.000	IWP	Also observed by EPA team.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Mullidae: 12 spp.	**11**	**10**	**9**	**11**	**11**	**3**	**11**	**8**	**4**	**283**	**235**	**2.124**		
Mulloidichthys ayliffe Uiblein, 2011		+					+		+			0.000	pI	Previously overlooked amongst *P. vanicolensis* by Zajonz & Khalaf (2002) and Zajonz *et al.* (2000).
Mulloidichthys flavolineatus (Lacepède, 1801) [*M. flavolineatus flavicaudus* Fernandez-Silva & Randall, 2016]	+	+	+	+	+		+			6	6	0.192	IWP	The yellow-tailed subspecies was recently identified by Fernandez-Silva *et al*. (2016) based on a photo from Socotra; whether all *M. flavolineatus* from the archipelago belong to this subspecies requires confirmation.
Mulloidichthys vanicolensis (Valenciennes, 1831)	+	+	+	+	+		+	+		19	15	1.240	IWP	
Parupeneus barberinus (Lacepède, 1801)	+	+	+	+	+		+	+		33	30	0.033	IWP	In the Red Sea *P. barberinus* is replaced by *P. forsskali*; Kemp (1998) already reported both species, and so do we.
Parupeneus cyclostomus (Lacepède, 1801)	+	+	+	+	+	+	+	+		34	24	0.050	IWP	
Parupeneus forsskali (Fourmanoir & Guèzè, 1976)	+	+	+	+	+		+	+		29	23	0.089	NWI_e -RSGA	See remark on *P. barberinus*.
Parupeneus indicus (Shaw, 1803)	+			+	+		+	+		9	9	0.009	IWP	
Parupeneus macronemus (Lacepède, 1801)	+	+	+	+	+	+	+	+	+	75	61	0.289	pI	
Parupeneus pleurostigma (Bennett, 1831)	+	+		+	+					7	7	0.006	IWP	
Parupeneus rubescens (Lacepède, 1801)	+	+	+	+	+		+	+	+	21	20	0.081	WI	
Parupeneus trifasciatus (Lacepède, 1801)	+	+	+	+	+	+	+	+		46	36	0.128	pI	As *P. bifasciatus* (Lacepède) in Zajonz *et al.* (2000), a synonym (Randall & Myers 2002).
Upeneus heemstra Uiblein & Gouws, 2014	+		+	+	+		+		+	4	4	0.008	pI	As *U. tragula* Richardson in Zajonz *et al.* (2000).
Pempheridae: 4 spp.	**3**	**2**	**3**	**3**	**3**	**2**	**2**	**2**	**0**	**27**	**25**	**1.324**		
Parapriacanthus guentheri (Klunzinger, 1871)	+	+	+	+	+	+	+			13	12	1.177	NWI_r eg	As *P. ransonneti* Steindachner in Zajonz *et al.* (2000); synonymy adopted from Randall & Bogorodsky (2016).
Pempheris flavicycla marisrubri Randall, Bogorodsky & Alpermann, 2013	+		+	+	+					4	3	0.013	pI	As *P. vanicolensis* Cuvier in Zajonz *et al.* (2000), re-identified following Randall *et al.* (2013a).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pempheris rhomboidea Kossmann & Räuber, 1877								+				0.000		Listed as *P. oualensis* Cuvier in Kemp (1998); may represent *P. kruppi* Randall & Victor, 2015, or possibly a new species (pers. comm. J. Randall).
Pempheris zajonzi Randall & Victor, 2015	+	+	+	+	+	+	+	+		10	10	0.134	NWI_reg	Listed in Zajonz *et al.* (2000) as *Pempheris* sp., recently re-identified from photos and samples from Socotra Island and Abd al-Kuri Island by Randall & Victor (2015); possibly synonym of *Pempheris tominagai* Koeda, Yoshino & Tachihara, 2014.
Kyphosidae: 3 spp.	**3**	**2**	**3**	**3**	**3**	**0**	**3**	**2**	**0**	**10**	**8**	**0.000**		
Kyphosus bigibbus Lacepède, 1801	+	+	+	+	+		+			4	3	0.000	IWP	Despite the revision of Knudsen & Clement (2016) the authors prefer to retain the distribution for three species as IWP.
Kyphosus cinerascens (Forsskål, 1775)	+	+	+	+	+		+	+		3	3	0.000	IWP	
Kyphosus vaigiensis (Quoy & Gaimard, 1825)	+		+	+	+		+	+		3	2	0.000	IWP	
Drepaneidae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0.000**		
Drepane longimana (Bloch & Schneider, 1801)	+			+	+				+	1	1	0.000	IWP	
Monodactylidae: 1 sp.	**1**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**11**	**4**	**0.000**		
Monodactylus argenteus (Linnaeus, 1758)	+			+	+	+	+	+	+	11	4	0.000	IWP	
Chaetodontidae: 29 spp. [2]	**22**	**11**	**18**	**23**	**25**	**8**	**21**	**12**	**4**	**381**	**312**	**1.754**		
Chaetodon auriga Forsskål, 1775	+	+	+	+	+		+	+		15	10	0.011	IP	
Chaetodon bennetti Cuvier, 1831	+			+	+					1	1	0.000	IWP	
Chaetodon collare Bloch, 1787	+	+	+	+	+	+	+	+	+	13	10	0.025	NI-WP	
Chaetodon falcula Bloch, 1795	+		+	+	+		+			2	2	0.000	pI	

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[2] DiBattista *et al.* (2015a) reported the following two additional hybrids from Socotra after the present account and related statistics had been completed: *Chaetodon gardineri* x *leucopleura*, and *Chaetodon melapterus* x *trifasciatus*.

ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Chaetodon fasciatus Forsskål, 1775							+					0.000	NWI_e-RSGA	Depicted in Cheung & DeVantier (2006), yet photograph of the species perhaps taken in the Red Sea.
Chaetodon gardineri Norman, 1939	+		+	+	+		+	+		12	10	0.019	NI	
Chaetodon guttatissimus Bennett, 1833	+	+	+	+	+	+	+			7	5	0.007	pI	
Chaetodon interruptus Ahl, 1923	+		+	+	+					2	2	0.000	pI	As *C. unimaculatus* Bloch in Zajonz *et al.* (2000).
Chaetodon kleinii Bloch, 1790	+	+	+	+	+		+	+		21	18	0.014	IWP	
Chaetodon larvatus Cuvier, 1831					+							0.000	NWI_reg	Visual record by Aideed.
Chaetodon leucopleura Playfair, 1867	+	+	+	+	+	+	+	+	+	14	12	0.018	WI	
Chaetodon lineolatus Cuvier, 1831	+			+	+			+		2	1	0.000	IWP	
Chaetodon lunula (Lacepède, 1802)	+	+	+	+	+	+	+	+		31	26	0.047	IWP	
Chaetodon melannotus Bloch & Schneider, 1801	+		+	+	+		+	+		5	4	0.005	IWP	
Chaetodon melapterus Guichenot, 1863	+	+	+	+	+	+	+	+		61	49	0.618	NWI_reg	
Chaetodon cf. *mesoleucos* Forsskål, 1775	+			+	+					1	1	0.004	NWI_e-RSGA	Further documentation desirable.
Chaetodon meyeri Bloch & Schneider, 1801							+		+			0.000	IP	
Chaetodon pictus Forsskål, 1775	+	+	+	+	+	+	+	+		78	64	0.449	NWI_reg	As *C. vagabundus pictus* in Zajonz *et al.* (2000).
Chaetodon semilarvatus Cuvier, 1831					+							0.000	NWI_reg	Visual record by Aideed.
Chaetodon trifascialis Quoy & Gaimard, 1825	+	+	+	+	+	+	+	+		46	38	0.378	IWP	
Chaetodon trifasciatus Park, 1797	+	+	+	+	+		+			4	3	0.002	pI	
Chaetodon zanzibarensis Playfair, 1867			+	+	+		+			1	1	0.002	WI	Observed at Abd a-Kuri in 2007 and photographed on Socotra in 2009.
Chaetodon collare x *lunula* [hybrid]							+					0.000	NWI_SAHZ	In Zajonz *et al.* (in prep.), also by DiBattista *et al*. (2015a); inclusion of hybrids justified in the paper's text.
Forcipiger flavissimus Jordan & McGregor, 1898	+			+	+					3	3	0.001	IP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Forcipiger longirostris (Broussonet, 1782)	+		+	+	+		+			5	3	0.002	IP	
Hemitaurichthys zoster (Bennett, 1831)	+		+	+	+		+			4	3	0.004	pI	
Heniochus acuminatus (Linnaeus, 1758)	+	+	+	+	+	+	+	+		51	44	0.149	IWP	See Kottelat (2013).
Heniochus diphreutes Jordan, 1903	+			+	+		+			2	2	0.000	IWP	
Roa jayakari (Norman, 1939)									+			0.000	NWI_reg	
Pomacanthidae: 9 spp.	**7**	**5**	**5**	**7**	**7**	**3**	**8**	**7**	**3**	**208**	**166**	**0.427**		
Apolemichthys xanthotis (Fraser-Brunner, 1950)	+	+	+	+	+	+	+	+		47	37	0.089	NWI_reg	
Centropyge acanthops (Norman, 1922)	+	+	+	+	+		+	+		3	3	0.001	WI	
Centropyge multispinis (Playfair, 1867)	+	+	+	+	+	+	+	+		56	42	0.247	pI	
Pomacanthus asfur (Forsskål 1775)							+	+				0.000	WI	In Kemp (1998) and in 2013 based on photograph (M. Martin) from Shuab Bay, rare compared to *P. maculosus*; record based on photo in Debelius (1996) possibly a locality error.
Pomacanthus imperator (Bloch, 1787)	+	+	+	+	+	+	+	+		64	51	0.067	IWP	
Pomacanthus maculosus (Forsskål, 1775)	+			+	+		+	+	+	11	11	0.001	WI	
Pomacanthus semicirculatus (Cuvier, 1831)	+	+	+	+	+		+	+	+	26	21	0.021	IWP	
Pomacanthus asfur x *maculosus* [hybrid]							+		+			0.000	NWI_SAHZ	Identification based on photos taken by M. Martin at Socotra in 2013 (Zajonz *et al.* in prep.); inclusion of hybrids justified in the paper's text.
Pomacanthus semicirculatus x maculosus [hybrid]	+			+	+					1	1	0.002	NWI_SAHZ	From adjacent Yemen mainland by Kemp (2000 b); and in Zajonz *et al.* (in prep.).

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pomacentridae: 41 spp. [3]	**33**	**19**	**28**	**38**	**38**	**22**	**24**	**16**	**2**	**696**	**553**	**53.560**		
Amphiprioninae														
Amphiprion akallopisos Bleeker, 1853								+	+			0.000	pI	Record based on photo in Debelius (1996) possibly a locality error, also in Kemp (1998); sampling desired.
Amphiprion bicinctus Rüppell, 1830	+		+	+	+	+	+			6	5	0.003	NWI_e -RSGA	A putative hybrid of *A. bicinctus* with either *A. chagosensis* or *omanensis* observed (see Annex 2) (Zajonz *et al.* in prep.); compare DiBattista *et al.* (2015a).
Amphiprion cf. *chagosensis* Allen, 1972			+	+	+					1	1	0.002	WI	Only observed at Abd al-Kuri once, sampling desired.
Amphiprion omanensis Allen & Mee, 1991	+			+	+		+			2	1	0.001	NWI_E SA+S	Also in Cheung & DeVantier (2006).
Chrominae														
Chromis cf. *acares* Randall & Swerdloff, 1973			+	+	+		+			1	1	0.000	NI-WP	Although far out of its known distribution range, the identification is reliable following a detailed observation under water. A photo of 2011 (W. Wichmann) suggests that the similar *C. xanthochira* (Bleeker) is present too. Sampling and genetic investigation is desired; alternatively it possibly is a new species (Zajonz *et al.* in prep.).
Chromis fieldi Randall & DiBattista, 2013	+	+	+	+	+	+	+	+		37	26	0.180	pI	As *C. dimidiata* (Klunzinger) in Zajonz *et al.* (2000), now considered endemic to the Red Sea; description of *C. fieldi* partly based on Socotra specimens.
Chromis flavaxilla Randall, 1994	+	+	+	+	+	+	+	+		47	38	16.036	NWI_r eg	
Chromis cf. *nigrura* Smith, 1960			+	+	+		+			1		0.000	pI	Field drawing from Abd al-Kuri available, providing a reliable identification.

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[3] DiBattista *et al*. (2015a) reported the following additional hybrid from Socotra after the present account and related statistics had been completed: *Amphiprion bicinctus* x *omanensis*.

ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Chromis pembae Smith, 1960	+		+	+	+		+			7	5	0.025	WI	
Chromis ternatensis (Bleeker, 1856)	+			+	+					2	2	0.000	IWP	Considered no misidentification of *C. flavaxilla*, but rare.
Chromis trialpha Allen & Randall, 1980	+			+	+	+				2	2	0.000	NWI_e-RSGA	
Chromis weberi Fowler & Bean, 1928	+	+	+	+	+	+	+	+		77	65	9.884	IWP	
Chromis xouthos Allen & Erdmann, 2005	+	+		+	+	+	+			4	4	0.000	NI	As *C.* cf. *analis* (Cuvier) in Zajonz *et al.* (2000).
Dascyllus carneus Fischer, 1885	+	+	+	+	+	+	+	+		15	12	0.521	pI	
Dascyllus marginatus (Rüppell, 1829)	+	+	+	+	+	+	+	+		46	36	8.034	NWI_reg	
Dascyllus trimaculatus (Rüppell, 1829)	+	+	+	+	+	+	+	+		39	30	0.145	IWP	Also in Cheung & DeVantier (2006).
Dascyllus carneus x marginatus [hybrid]												0.000	NWI_SAHZ	Observed visually (Zajonz *et al.* in prep.), also by DiBattista *et al.* (2015a); inclusion of hybrids justified in the paper's text.
Pomacentrinae														
Abudefduf notatus (Day, 1870)	+	+	+	+	+	+				4	4	0.000	IWP	
Abudefduf septemfasciatus (Cuvier, 1830)	+			+	+			+		1	1	0.000	IWP	
Abudefduf sexfasciatus (Lacepède, 1801)								+				0.000	IWP	In Kemp (1998).
Abudefduf sordidus (Forsskål, 1775)	+		+	+	+	+	+	+		4	2	0.000	IWP	
Abudefduf vaigiensis (Quoy & Gaimard, 1825)	+	+	+	+	+	+	+	+		39	31	0.333	IWP	
Chrysiptera annulata (Peters, 1855)	+			+	+	+		+		10	9	0.121	WI	
Chrysiptera brownriggii (Bennett, 1828)			+	+	+					1	1	0.000	pI	As *C. leucopoma* (Valenciennes) in Zajonz *et al.* (2000).
Chrysiptera sheila Randall, 1994	+	+	+	+	+					24	19	0.229	NWI_ESA+S	Sampling desired (Zajonz *et al.* in prep.).
Chrysiptera unimaculata (Cuvier, 1830)	+	+	+	+	+	+				29	24	0.466	IWP	
Neoglyphidodon melas (Cuvier, 1830)	+			+	+		+	+		3	2	0.002	IWP	
Neopomacentrus cyanomos (Bleeker, 1856)	+	+	+	+	+	+	+		+	17	15	0.037	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Neopomacentrus miryae Dor & Allen, 1977	+	+	+	+	+	+	+			18	14	0.224	NWI_reg	Listed in Zajonz *et al.* (2000) as "cf."; confirmed by photographic record since.
Neopomacentrus sindensis (Day, 1873)	+			+	+		+			3	2	0.000	NWI_reg	
Neopomacentrus xanthurus Allen & Randall, 1980	+		+	+	+	+				4	4	0.177	NWI_e-RSGA	
Plectroglyphidodon dickii (Liénard, 1839)			+	+	+		+			1	1	0.000	IWP	Listed in Zajonz *et al.* (2000) as "cf."; sufficiently observed and confirmed by photo; occured sympatrically with *P. johnstonianus*, rare though.
Plectroglyphidodon johnstonianus Fowler & Ball, 1924	+	+	+	+	+		+			13	9	0.035	IWP	
Plectroglyphidodon lacrymatus (Quoy & Gaimard, 1825)	+	+	+	+	+		+			16	9	0.033	IWP	Listed in Zajonz *et al.* (2000) as "cf.", confirmed by photographic record.
Plectroglyphidodon leucozonus cingulus (Klunzinger, 1871)	+			+	+					3	3	0.006	NWI_reg	
Pomacentrus cf. *aquilus* Allen & Randall, 1980	+	+	+	+	+	+				13	8	0.034	WI	Voucher specimens under study.
Pomacentrus caeruleus Quoy & Gaimard, 1825	+	+	+	+	+	+	+	+		87	70	12.485	WI	
Pomacentrus leptus Allen & Randall, 1980	+	+	+	+	+	+	+	+		79	64	3.731	NWI_reg	
Pomacentrus sp. 2 [aff. *leptus* Allen & Randall, 1980]	+			+	+	+				5	5	0.223		Probably an undescribed species, voucher specimens under study.
Pomacentrus cf. *sulfureus* Klunzinger, 1871	+		+	+	+					2		0.000	WI	Visual record from Abd al-Kuri.
Pomacentrus trichrourus Günther, 1867	+	+	+	+	+	+	+	+		33	28	0.593	WI	
Labridae: 65 spp.	**58**	**42**	**51**	**61**	**60**	**23**	**47**	**23**	**3**	**1212**	**961**	**4.812**		
Bodianinae														
Bodianus axillaris (Bennett, 1832)	+	+	+	+	+		+			16	15	0.016	IWP	
Bodianus bilunulatus (Lacepède, 1801)	+		+	+	+		+			2	2	0.001	IWP	Listed in Zajonz *et al.* (2000) as *B. bilunulatus bilunulatus*; see Gomon (2006).
Bodianus diana (Lacepède, 1801)	+	+	+	+	+		+			10	8	0.013	pI	
Bodianus macrognathos (Morris, 1974)	+	+	+	+	+		+	+		12	12	0.008	WI	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Cheilinae														
Cheilio inermis (Forsskål, 1775)	+	+	+	+	+			+		7	6	0.014	IWP	
Cheilininae														
Cheilinus cf. *fasciatus* (Bloch, 1791)	+		+	+	+		+	+		6	6	0.009	IWP	*C. quinquecinctus* Rüppell, 1835 was redescribed by Bogorodsky *et al*. (2016), the record should subsequently be compared to this species.
Cheilinus lunulatus (Forsskål, 1775)	+	+	+	+	+		+	+		34	25	0.027	NWI_reg	
Cheilinus oxycephalus Bleeker, 1853	+	+	+	+	+		+			5	5	0.011	IWP	
Cheilinus trilobatus Lacepède, 1801								+				0.000	IWP	In Kemp (1999); perhaps only as strays.
Cheilinus undulatus Rüppell, 1835	+	+		+	+		+		+	3	2	0.000	IWP	
Cirrhilabrus cf. *cyanopleura* (Bleeker, 1851)	+			+	+		+			1	1	0.000	NI-WP	Listed in Zajonz & Khalaf (2002), visual observation and field drawing referable to this species, sampling desired (Zajonz *et al.* in prep.).
Cirrhilabrus exquisitus Smith, 1957	+	+	+	+	+	+	+			11	10	0.026	IWP	
Cirrhilabrus rubriventralis Springer & Randall, 1974	+	+	+	+	+		+			6	4	0.002	NWI_reg	Listed in Zajonz *et al.* (2000) as *C.* cf *rubriventralis*, confirmed by additional observations (Zajonz *et al.* in prep.).
Epibulus insidiator (Pallas, 1770)	+			+	+		+	+		2	1	0.003	IWP	
Oxycheilinus bimaculatus (Valenciennes, 1840)	+		+	+	+					2	2	0.001	IWP	
Oxycheilinus digramma (Lacepède, 1801)									+			0.000	IWP	Visual record by Aideed.
Oxycheilinus cf. *mentalis* (Rüppell, 1828)	+			+	+		+			3	2	0.001	NWI_e-RSGA	
Paracheilinus octotaenia Fourmanoir, 1955	+		+	+	+					7	2	0.019	NWI_e-RSGA	Visual identification, confirmation by sampling desired; a Red sea endemic.
Pseudocheilinus evanidus Jordan & Evermann, 1903	+		+	+	+	+	+			3	3	0.000	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pseudocheilinus hexataenia (Bleeker, 1857)	+	+	+	+	+	+	+			49	41	0.271	IWP	
Pteragogus cryptus Randall, 1981	+		+	+	+					4	2	0.003	IWP	Misspelled "*scriptus*" in Zajonz *et al.* (2000); distribution range possibly restricted to NWI pending further study (J. Randall pers. comm.).
Pteragogus flagellifer (Valenciennes, 1839)	+	+	+	+	+					11	11	0.020	IWP	
Pteragogus taeniops (Peters, 1855)			+	+			+			1		0.000	WI	Both female and male observed at Abd al-Kuri, field drawing available.
Corinae														
Anampses caeruleopunctatus Rüppell, 1829	+	+	+	+	+		+			17	14	0.027	IWP	
Anampses lineatus Randall, 1972	+	+	+	+	+		+			28	28	0.051	IWP	
Anampses meleagrides Valenciennes, 1840	+	+	+	+	+	+	+	+		28	25	0.040	IWP	
Anampses twistii Bleeker, 1856		+	+	+	+	+	+			6	5	0.007	IWP	
Coris aygula Lacepède, 1801	+	+	+	+	+		+	+		19	17	0.015	IWP	
Coris caudimacula (Quoy & Gaimard, 1834)	+	+	+	+	+	+	+	+		41	34	0.188	pI	
Coris cuvieri (Bennett, 1831)	+	+	+	+	+	+	+	+		23	22	0.026	pI	Listed in Zajonz *et al.* (2000) as *C. gaimard cuvieri*; the record of *C. africana* Smith of Randall (1995) from Oman refers to this species too.
Coris formosa (Bennett, 1830)	+	+	+	+	+	+	+	+		47	38	0.052	WI	Listed in Zajonz *et al.* (2000) as *C. frerei* Günther, a synonym.
Gomphosus caeruleus Lacepède, 1801	+	+	+	+	+		+	+		43	32	0.091	pI	
Halichoeres cosmetus Randall & Smith, 1982	+	+	+	+	+	+	+			17	14	0.044	pI	
Halichoeres hortulanus (Lacepède, 1801)	+	+	+	+	+	+	+	+		55	41	0.168	IWP	
Halichoeres iridis Randall & Smith, 1982	+	+	+	+	+	+	+	+		20	16	0.060	WI	
Halichoeres marginatus Rüppell, 1835	+	+	+	+	+	+	+	+		60	45	0.187	IWP	
Halichoeres nebulosus (Valenciennes, 1839)	+	+	+	+	+	+				42	31	0.214	IWP	
Halichoeres nigrescens (Bloch & Schneider, 1801)	+	+	+	+	+			+		7	6	0.050	IWP	As *H. dussumieri* (Valenciennes) in Zajonz *et al.* (2000), a synonym.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Halichoeres scapularis (Bennett, 1832)	+	+	+	+	+		+			9	8	0.019	IWP	
Halichoeres cf. *stigmaticus* Randall & Smith, 1982	+	+		+	+		+			4	3	0.122	NWI_reg	Based on a field drawing of the female; sampling desired.
Halichoeres cf. *zeylonicus* (Bennett, 1833)	+		+	+	+	+				6	5	0.019	pI	Voucher specimen under study.
Hemigymnus fasciatus (Bloch 1792)	+	+	+	+	+		+	+		33	21	0.026	IWP	See remark on *H. sexfasciatus*.
Hemigymnus melapterus (Bloch, 1791)	+			+	+			+		7	7	0.002	IWP	
Hemigymnus sexfasciatus (Rüppell, 1835)												0.000	NWI_e-RSGA	Kemp (1998) and Zajonz *et al.* (2000) only listed *H. fasciatus* which then was considered a senior synonym; based on Randall's (2013) resurrection of *H. sexfasciatus* and own observations of all three species from neighbouring mainland it is provisionally included.
Hologymnosus annulatus (Lacepède, 1801)	+	+	+	+	+		+			11	10	0.012	IWP	
Hologymnosus doliatus (Lacepède, 1801)	+	+	+	+	+	+	+	+		32	27	0.051	IWP	
Labroides bicolor Fowler & Bean, 1928	+	+	+	+	+		+	+		21	15	0.021	IWP	
Labroides dimidiatus (Valenciennes, 1839)	+	+	+	+	+	+	+	+		77	62	0.536	IWP	
Larabicus quadrilineatus (Rüppell, 1835)	+		+	+	+					20	19	0.051	NWI_e-RSGA	
Leptojulis cf. *cyanopleura* (Bleeker, 1853)	+			+	+					11	7	0.038	NI-WP	Sampling desired.
Macropharyngodon bipartitus Smith, 1957	+	+	+	+	+	+	+			62	49	0.439	WI	
Stethojulis albovittata (Bonnaterre, 1788)	+	+	+	+	+	+	+			41	27	0.202	WI	
Stethojulis interrupta (Bleeker, 1851)	+	+	+	+	+	+	+			34	23	0.244	IWP	
Stethojulis cf. *strigiventer* (Bennett, 1833)	+		+	+	+	+				5	5	0.087	IWP	Voucher specimen under study.
Suezichthys caudavittatus (Steindachner, 1898)							+					0.000	NWI_reg	Range extension fills a gap between the northern Red Sea and Arabian/Persian Gulf records; see remark for Labridae gen. sp. 6 in Working List, sampling desired.
Thalassoma amblycephalum (Bleeker, 1856)	+		+	+	+		+			12	11	0.039	IWP	Listed in Zajonz *et al.* (2000) as "cf.", meanwhile confirmed by photographs.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Thalassoma cf. *hardwicke* (Bennett, 1830)	+	+	+	+	+		+			4	3	0.007	IWP	In Zajonz *et al.* (2000), meanwhile further supported by additional observations.
Thalassoma hebraicum (Lacepède, 1801)	+	+	+	+	+		+			16	12	0.095	WI	Listed in Zajonz *et al.* (2000) as "cf.", meanwhile additional observations.
Thalassoma loxum Randall & Mee, 1994	+	+	+	+	+	+	+			18	10	0.000	NWI_ESA+S	Listed in Zajonz *et al.* (2000) as "cf.", meanwhile additional observations.
Thalassoma lunare (Linnaeus, 1758)	+	+	+	+	+	+	+	+		82	66	0.864	IWP	
Thalassoma lutescens (Lay & Bennett, 1839)	+	+	+	+	+	+	+	+		51	36	0.228	IWP	
Thalassoma purpureum (Forsskål, 1775)	+			+	+				+	1	1	0.038	IWP	
Thalassoma cf. *rueppellii* (Klunzinger, 1871)	+			+	+					2	2	0.001	NWI_e-RSGA	Sampling desired. Besides visual record also depicted in Cheung & DeVantier (2006), yet photograph of the species perhaps taken in the Red Sea.
Pseudodacinae														
Pseudodax moluccanus (Valenciennes, 1840)	+		+	+	+		+			4	4	0.007	IWP	
Xyrichtyinae														
Novaculichthys taeniourus (Lacepède, 1801)		+		+	+		+			1		0.000	IP	
Scaridae: 15 spp.	**12**	**8**	**8**	**14**	**15**	**0**	**7**	**4**	**4**	**165**	**118**	**0.515**		
Scarinae														
Chlorurus cf. *gibbus* (Rüppell, 1829)	+			+	+					2	2	0.000	NWI_e-RSGA	Sampling desired, this species replaces *C. strongylocephalus* in the Red Sea.
Chlorurus sordidus (Forsskål, 1775)	+	+	+	+	+		+	+	+	13	9	0.069	pI	
Chlorurus strongylocephalus (Bleeker, 1855)	+	+	+	+	+		+	+	+	8	7	0.009	pI	
Scarus arabicus (Steindachner, 1902)	+			+	+		+			1	1	0.000	NWI_reg	
Scarus ferrugineus Forsskål, 1775	+	+	+	+	+		+	+		53	38	0.129	NWI_reg	
Scarus frenatus Lacepède, 1802	+			+	+					2	1	0.000	IWP	
Scarus fuscopurpureus (Klunzinger, 1871)	+	+	+	+	+				+	8	3	0.000	NWI_reg	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Scarus ghobban Forsskål, 1775	+	+		+	+		+			13	8	0.007	pI	
Scarus niger Forsskål, 1775	+	+	+	+	+		+			36	27	0.083	IWP	
Scarus cf. *persicus* Randall & Bruce, 1983		+		+	+					1		0.000	NWI_reg	Observed by Aideed; sampling desired.
Scarus psittacus Forsskål, 1775	+		+	+	+					4	3	0.176	IWP	
Scarus rubroviolaceus Bleeker, 1847	+	+	+	+	+		+	+	+	22	17	0.042	IP	
Scarus cf. *scaber* Valenciennes, 1840					+							0.000	pI	Observation by M. Martin (pers. comm.); sampling desired.
Scarus cf. *tricolor* Bleeker, 1847			+	+	+					1	1	0.001	IWP	Only observed once at Abd al-Kuri, as with several other "East African" species which northernmost ranges extend to it, but not further to the other islands.
Sparisomatinae														
Calotomus carolinus (Valenciennes, 1840)	+			+	+					1	1	0.000	IWP	
Pinguipedidae: 3 spp.	**3**	**2**	**3**	**3**	**3**	**1**	**3**	**0**	**0**	**36**	**28**	**0.024**		
Parapercis hexophtalma (Cuvier, 1829)	+	+	+	+	+	+	+			26	21	0.021	IWP	
Parapercis punctulata (Cuvier, 1829)	+	+	+	+	+		+			7	7	0.002	WI	
Parapercis robinsoni Fowler, 1929	+		+	+	+		+			3		0.000	WI	Reliable photo record closing the distribution gap between Arabian Sea and Somalia (Randall & Stroud 1985).
Tripterygiidae: 5 spp.	**3**	**0**	**4**	**5**	**1**	**5**	**0**	**0**	**0**	**11**	**9**	**0.000**		Family needs further study
Enneapterygius abeli (Klausewitz, 1960)			+	+		+				2	2	0.000	WI	Identified by M. Meguro (unpubl.).
Enneapterygius pusillus Rüppell, 1835			+	+		+				1	1	0.000	WI	Identified by M. Meguro (unpubl.).
Enneapterygius sp.	+			+		+				1	1	0.000		Voucher specimen under study.
Helcogramma cf. *obtusirostris* (Klunzinger, 1871)	+		+	+	+	+				3	2	0.000	NWI_reg	
Helcogramma steinitzi Clark, 1980	+		+	+		+				4	3	0.000	NWI_reg	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Cirripectes castaneus (Valenciennes, 1836)	+	+	+	+	+	+				15	7	0.034	IWP	See remark on *C. filamentosus*.
Ecsenius cf. *bicolor* (Day, 1888)	+			+	+	+				2	2	0.001	NI-WP	Voucher specimen under study (Zajonz *et al.* in prep.).
Ecsenius frontalis (Valenciennes, 1836)	+	+	+	+	+	+				10	5	0.068	NWI_e-RSGA	Voucher confirmed by V. Springer .
Ecsenius lineatus Klausewitz, 1962	+	+	+	+	+	+	+			10	9	0.020	IWP	
Ecsenius nalolo Smith, 1959	+	+	+	+	+	+				31	21	0.047	WI	No *E. dentex* Springer yet among samples.
Ecsenius n. sp. [*pulcher*-complex]	+		+	+		+	+			1		0.000	NWI_e-S	Recently a new species related to Ecsenius pulcher (Murray, 1887) was recognized (Springer et al. in prep.) and both species thought to occur sympatrically, hence both were initially considered in the faunistic accounts and statistics. In the meantime, however, it became clear that all records are based on misidentifications of *E. pulcher* (Murray) including Zajonz *et al.* (2000); statistics remain lumped on the latter species.
[placeholder]	+	+	+	+	+	+	+	+		41	30	0.271	NWI_reg	See preceding remark; distribution range of Ecsenius pulcher (Murray) now thought to exclude Socotra and the Red Sea (Springer et al. in prep.)'. Data row for this species is kept for statistical reasons
Istiblennius dussumieri (Valenciennes, 1836)			+						+			0.000	IWP	Coll./det. Klausewitz, Xarifa Expedition 1957, SMF 13956 (unpubl.).
Istiblennius edentulus (Forster & Schneider, 1801)							+					0.000	IWP	In Cheung & DeVantier (2006), and depicted in Wranik (2003).
Mimoblennius cirrosus Smith-Vaniz & Springer, 1971	+			+		+	+			2	1	0.000	NWI_reg	
Scartella cf. *emarginata* (Günther, 1861)	+			+	+					2		0.000	IWP	Sampling desired.
Gobiesocidae: 2 spp.	**1**	**0**	**2**	**2**	**0**	**2**	**0**	**0**	**0**	**4**	**4**	**0.000**		
Lepadichthys coccinotaenia Regan, 1921			+	+		+				1	1	0.000	WI	Listed in Zajonz *et al.* (2000) as "cf."; identified from voucher specimen.
Lepadichthys lineatus Briggs, 1966	+		+	+		+				3	3	0.000	NI-WP	Listed in Zajonz & Khalaf (2002) as *Discotrema lineatum*; see Craig & Randall (2008).
Callionymidae: 3 spp.	**2**	**0**	**0**	**2**	**1**	**2**	**0**	**0**	**1**	**7**	**3**	**0.000**		
Callionymus filamentosus Valenciennes, 1837	+			+		+				1	1	0.000	IWP	
Synchiropus monacanthus Smith, 1935									+			0.000	WI	Caught from 175-428 m depth (Kotthaus 1974), tentatively included as 'coastal'.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Blenniidae: 25 spp.	**21**	**10**	**13**	**21**	**17**	**14**	**13**	**2**	**2**	**249**	**176**	**0.629**		Family needs further study
Nemophinae														
Aspidontus dussumieri (Valenciennes, 1836)	+		+	+	+		+			4	2	0.006	IWP	
Aspidontus taeniatus Quoy & Gaimard, 1834	+		+	+	+	+	+			5	4	0.007	pI	Formerly regarded as subspecies *A. t. tractus* Fowler, 1903, however, unpublished data shows that populations from the Indian and Pacific Oceans are genetically indistinct (Bill Smith-Vaniz, pers.comm.).
Meiacanthus nigrolineatus Smith-Vaniz, 1969	+	+		+	+					3	2	0.003	NWI_e-RSGA	
Meiacanthus cf. *mossambicus* Smith, 1959	+	+	+	+	+	+				9	6	0.009	WI	Sampling desired.
Plagiotremus rhinorhynchos (Bleeker, 1852)	+	+	+	+	+	+	+	+		60	47	0.089	IWP	
Plagiotremus tapeinosoma (Bleeker, 1857)	+	+	+	+	+	+	+			19	16	0.020	IWP	
Plagiotremus townsendi (Regan, 1905)	+	+	+	+	+	+	+			22	18	0.032	NWI_reg	
Omobranchinae														
Oman ypsilon Springer, 1985	+			+	+					1		0.000	NWI_reg	See Gill & Zajonz (2011); recently reported by Zogaris *et al.* (2014) from Kuwait, thus not endemic to Oman, rather distributed widely along Arabian coastlines, except the Red Sea.
Salariinae														
Alloblennius cf. *parvus* Springer & Spreitzer, 1978	+			+		+				1	1	0.000	WI	Voucher specimen under study.
Alticus magnusi Klausewitz, 1964	+			+		+				4	1	0.000	NWI_reg	Also in Lavergne *et al.* (2016).
Antennablennius simonyi (Steindachner, 1902)							+		+			0.000	NWI_reg	Species described from Socotra but not endemic to it.
Atrosalarias fuscus (Rüppell, 1838)	+			+	+					2	1	0.000	pI	
Blenniella periophthalmus (Valenciennes, 1836)							+					0.000	IWP	Depicted in Cheung & DeVantier (2006).
Cirripectes auritus Carlson, 1981	+			+	+		+			5	3	0.023	IWP	Listed in Zajonz & Khalaf (2002) as "cf.", meanwhile additional observations.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Synchiropus stellatus Smith, 1963	+			+	+	+				6	2	0.000	pI	Visual record, but reasonably reliable.
Eleotridae: 2 spp.	**2**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**4**	**0**	**0.000**		
Eleotris fusca (Bloch & Schneider, 1801)	+						+		+			0.000	IWP	Also in Steindachner (1902); and Taschenberg (1883, based on Schweinfurth and Riebeck material of 1881); also in Lavergne *et al.* (2016).
Eleotris mauritiana Bennett, 1832	+			+		+				4		0.000	WI	In Lavergne *et al.* (2016).
Gobiidae: 42 spp.	**32**	**16**	**25**	**39**	**19**	**29**	**15**	**3**	**5**	**208**	**121**	**0.132**		Family needs further study
Gobionellinae														
Gnatholepis anjerensis (Bleeker, 1851)	+	+	+	+	+	+	+			22	10	0.004	IWP	
Gnatholepis cf. *cauerensis* (Bleeker, 1853)			+	+	+					1	1	0.000	IP	
Awaous cf. *aeneofuscus* (Peters, 1852)	+			+		+	+		+	2		0.000	WI	Based on historic samples of Taschenberg (1883, based on Schweinfurth and Riebeck material of 1881), and in Lavergne *et al.* (2016).
Gobiinae														
Amblyeleotris periophthalma (Bleeker, 1853)							+		+			0.000	IWP	
Amblyeleotris steinitzi (Klausewitz, 1974)	+	+	+	+	+		+			5	3	0.002	IWP	
Amblyeleotris sungami (Klausewitz, 1969)	+	+	+	+	+					8	4	0.004	NWI_reg	
Amblyeleotris triguttata Randall, 1994	+						+		+			0.000	NWI_reg	Identification based on a photo taken by H. Kovacs/A. Siklosi from Socotra Island.
Amblyeleotris wheeleri (Polunin & Lubbock, 1977)	+	+	+	+	+		+	+		14	11	0.040	IWP	
Bathygobius meggitti (Hora & Mukerji, 1936)	+			+		+				1		0.000	IWP	
Callogobius amikami Goren, Miroz & Baranes, 1991			+	+		+				1	1	0.000	NWI_reg	
Callogobius bifasciatus (Smith, 1958)			+	+		+				1	1	0.000	WI	
Callogobius plumatus (Smith, 1959)			+	+		+				1	1	0.000	WI	
Coryogalops sp.			+	+		+				2	2	0.000		Voucher specimen under study.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Cryptocentroides arabicus (Gmelin, 1789)	+			+		+	+		+	9		0.000	NWI_reg	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Cryptocentrus fasciatus (Playfair, 1867)	+	+	+	+	+					3	2	0.000	IWP	
Cryptocentrus lutheri Klausewitz, 1960	+	+		+	+		+			8	3	0.006	WI	
Eviota guttata Lachner & Karnella, 1978	+	+	+	+	+	+	+			16	9	0.020	IWP	
Eviota cf. *pardalota* Lachner & Karnella, 1978	+			+		+				1		0.000	NWI_reg	
Eviota cf. *prasina* (Klunzinger, 1871)	+		+	+		+				5	4	0.000	IWP	
Eviota punyit Tornabene, Valdez & Erdmann, 2016	+	+	+	+	+	+	+			14	10	0.017	IWP	
Fusigobius cf. *duospilus* (Hoese & Reader, 1985)			+	+		+				1	1	0.000	IWP	
Fusigobius inframaculatus (Randall, 1994)	+			+	+	+				2	2	0.000	IWP	
Glossogobius giuris (Hamilton, 1822)	+			+		+	+		+	4		0.000	IWP	Based on historic samples of Taschenberg (1883, based on Schweinfurth and Riebeck material of 1881), and in Lavergne *et al.* (2016).
Glossogobius sp. 1 [aff. *tenuiformis* Hamilton]	+			+		+				9		0.000		Keys out close to *G. tenuiformis* (in Heemstra *et al.*, in prep.)
Glossogobius sp. 2 [aff. *tenuiformis* Hamilton]	+			+		+				1		0.000		Keys out close to *G. tenuiformis* but not identical to the preceding.
Gobiodon citrinus (Rüppell, 1838)		+		+	+					1	1	0.002	IWP	
Gobiodon cf. *reticulatus* Playfair, 1867	+	+	+	+	+	+				7	4	0.011	NWI_reg	Voucher specimen under study.
Gobiodon rivulatus (Rüppell, 1830)	+		+	+		+				3	3	0.000	IWP	
Gobiodon sp.								+				0.000		As *G. axillaris* De Vis in Kemp (1998), a species not known in Indian Ocean; probably *G. irregularis* Herler, Bogorodsky & Suzuki.
Hetereleotris vulgaris (Klunzinger, 1871)			+	+		+				1	1	0.000	WI	
Hetereleotris zonata (Fowler, 1934)	+		+	+	+	+				2	2	0.000	WI	
Istigobius decoratus (Herre, 1927)	+	+	+	+	+	+	+	+		22	14	0.016	IWP	
Istigobius ornatus (Rüppell, 1830)	+	+	+	+	+	+				13	10	0.007	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Lotilia graciliosa Klausewitz, 1960	+			+	+					1	1	0.000	WI	See Zajonz & Khalaf (2002).
Papillogobius reichei (Bleeker, 1854)	+			+		+				1		0.000	IWP	
Pleurosicya micheli Fourmanoir, 1971	+	+		+	+		+			2	2	0.000	IWP	See Zajonz & Khalaf (2002).
Priolepis sp.	+		+	+		+				2	2	0.000		Voucher specimen under study.
Trimma sp. 1	+		+	+		+				4	3	0.000		Various unidentified *Trimma* spp. listed by Zajonz *et al.* (2000) and Zajonz & Khalaf (2002), at least three species believed to occur; voucher specimen under study.
Trimma sp. 2	+		+	+		+				3	2	0.000		See preceding remark.
Trimma sp. 3	+	+		+		+				3	2	0.000		See preceding remark.
Valenciennea helsdingenii (Bleeker, 1858)	+	+	+	+	+		+			3	2	0.000	IWP	
Valenciennea puellaris (Tomiyama, 1956)	+	+	+	+	+	+	+			9	7	0.005	IWP	
Xenisthmidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**0.000**		
Xenisthmus cf. *balius* Gill & Randall, 1994	+			+		+				1	1	0.000	NWI_reg	
Microdesmidae: 6 spp.	**5**	**2**	**1**	**5**	**5**	**0**	**1**	**1**	**0**	**16**	**13**	**0.040**		Thacker & Roje (2011) provided a molecular phylogeny of gobiid fishes and moved Microdesmidae as subfamily in Gobiidae.
Gunnellichthys monostigma Smith, 1958								+				0.000	IWP	In Kemp (1998).
Gunnellichthys cf. *viridescens* Dawson, 1968	+			+	+					1	1	0.000	IWP	
Ptereleotris cf. *arabica* Randall & Hoese, 1985	+	+		+	+					4	4	0.027	NWI_reg	Listed in Zajonz & Khalaf (2002) as *Ptereleotris* sp.
Ptereleotris evides (Jordan & Hubbs, 1925)	+	+	+	+	+		+			8	5	0.004	IWP	
Ptereleotris heteroptera (Bleeker, 1855)	+			+	+					1	1	0.000	IWP	
Ptereleotris monoptera Randall & Hoese, 1985	+			+	+					2	2	0.009	IWP	
Ephippidae: 2 spp.	**2**	**0**	**2**	**2**	**2**	**0**	**1**	**1**	**0**	**10**	**7**	**0.007**		
Platax orbicularis (Forsskål, 1775)	+		+	+	+			+		4	3	0.003	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Platax teira (Forsskål, 1775)	+		+	+	+		+			6	4	0.004	IWP	
Siganidae: 3 spp.	**2**	**2**	**2**	**2**	**3**	**0**	**2**	**1**	**0**	**22**	**21**	**0.186**		
Siganus argenteus (Quoy & Gaimard, 1825)	+	+	+	+	+		+	+		12	11	0.056	IWP	
Siganus cf. *luridus* (Rüppell, 1829)	+	+	+	+	+					10	10	0.130	WI	
Siganus rivulatus Forsskål & Niebuhr, 1775					+		+					0.000	NWI_e-RSGA	Observed by Aideed.
Zanclidae: 1 sp.	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**67**	**54**	**0.192**		
Zanclus cornutus (Linnaeus, 1758)	+	+	+	+	+	+	+	+		67	54	0.192	IP	
Acanthuridae: 29 spp. [6]	**29**	**17**	**24**	**29**	**29**	**4**	**20**	**19**	**2**	**458**	**382**	**3.937**		
Acanthurinae														
Acanthurus dussumieri Valenciennes, 1835	+	+	+	+	+		+	+		37	33	0.077	IWP	
Acanthurus gahhm (Forsskål, 1775)	+		+	+	+			+		21	18	0.051	NWI_e-RSGA	
Acanthurus leucocheilus Herre, 1927	+	+	+	+	+		+			21	20	0.114	IWP	
Acanthurus leucosternon Bennett, 1833	+	+	+	+	+		+	+		11	9	0.047	pI	
Acanthurus lineatus (Linnaeus, 1758)	+	+	+	+	+		+	+		4	4	0.001	IWP	
Acanthurus mata (Cuvier, 1829)	+	+	+	+	+		+	+		16	15	0.376	IWP	
Acanthurus cf. *nigricans* (Linnaeus, 1758)	+		+	+	+					10	7	0.012	NI-WP+EP	See Craig (2008).
Acanthurus nigricauda Duncker & Mohr, 1929	+			+	+					7	4	0.014	IWP	
Acanthurus nigrofuscus (Forsskål, 1775)	+	+	+	+	+	+	+	+		10	8	0.051	IWP	
Acanthurus sohal (Forsskål, 1775)	+	+	+	+	+		+	+		13	11	0.009	NWI_reg	
Acanthurus tennentii Günther, 1861	+	+	+	+	+	+	+	+		32	25	0.187	pI	

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[6] DiBattista *et al*. (2015a) reported the following additional hybrid from Socotra after the present account and related statistics had been completed: *Acanthurus lineatus* x *sohal*.

ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Acanthurus thompsoni (Fowler, 1923)	+	+	+	+	+		+		+	8	5	0.011	IWP	
Acanthurus triostegus (Linnaeus, 1758)	+		+	+	+		+	+		2	2	0.000	IP	
Ctenochaetus cf. *binotatus* Randall, 1955	+			+	+		+			1	1	0.000	IWP	
Ctenochaetus striatus (Quoy & Gaimard, 1825)	+	+	+	+	+	+	+	+		51	41	0.966	IWP	
Ctenochaetus truncatus Randall & Clements, 2001	+	+	+	+	+		+			11	9	0.020	pI	As *C. strigosus* (Bennett) in Zajonz *et al.* (2000).
Zebrasoma desjardinii (Bennett, 1836)	+	+	+	+	+		+	+		18	16	0.011	pI	As *Z. veliferum* (Bloch) in Zajonz *et al.* (2000); correct spelling is *Z. velifer*.
Zebrasoma cf. *scopas* (Cuvier, 1829)	+			+	+					1	1	0.003	IWP	
Zebrasoma xanthurum (Blyth, 1852)	+	+	+	+	+	+	+	+		77	62	1.663	NWI_reg	
Nasinae														
Naso annulatus (Quoy & Gaimard, 1825)	+		+	+	+			+		7	5	0.074	IP	
Naso brachycentron (Valenciennes, 1835)	+		+	+	+		+	+		2	2	0.004	IWP	
Naso brevirostris (Cuvier, 1829)	+	+	+	+	+		+	+		19	16	0.024	IP	
Naso elegans (Rüppell, 1829)	+	+	+	+	+		+	+		33	30	0.075	pI	As *N. lituratus* (Foster) in Zajonz *et al.* (2000).
Naso fageni Morrow, 1954	+			+	+			+		6	3	0.091	IWP	
Naso hexacanthus (Bleeker, 1855)	+	+	+	+	+		+	+	+	9	7	0.016	IP	
Naso thynnoides (Cuvier, 1829)	+		+	+	+					4	3	0.008	IWP	
Naso cf. *tuberosus* Lacepède, 1801	+		+	+	+					2	2	0.002	WI	Comparison with *N. tonganus* (Valenciennes) desired.
Naso unicornis (Forsskål, 1775)	+	+	+	+	+		+	+		24	22	0.030	IWP	
Naso vlamingii (Valenciennes, 1835)	+			+	+					1	1	0.000	IWP	
Sphyraenidae: 4 spp.	**4**	**0**	**0**	**3**	**3**	**0**	**1**	**1**	**2**	**4**	**4**	**0.000**		
Sphyraena barracuda (Edwards, 1771)	+			+	+			+		2	2	0.000	WW	
Sphyraena jello Cuvier, 1829	+								+			0.000	IWP	In Hariri & Yusif (1999).
Sphyraena putnamae Jordan & Seale, 1905	+			+	+		+			1	1	0.000	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Sphyraena qenie Klunzinger, 1870	+			+	+				+	1	1	0.000	IP	
Xiphiidae: 1 sp.	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0.000**		
Xiphias gladius Linnaeus, 1758	+						+		+			0.000	WW	In Saeed (2000); confirmed subsequently by photograph taken by the resident team at Abd al-Kuri in 2014.
Istiophoridae: 3 spp.	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**1**	**0**	**0**	**0.000**		
Istiophorus platypterus (Shaw, 1792)							+		+			0.000	IP	Observed by EPA team.
Makaira sp.							+					0.000		Presence of genus confirmed by photograph of EPA team from Abd al-Kuri in 2014, research needed.
Tetrapturus sp.							+					0.000		Presence of genus confirmed by photograph (U. Piest), research needed.
Scombridae: 9 spp.	**4**	**1**	**1**	**1**	**4**	**0**	**4**	**0**	**7**	**12**	**10**	**0.005**		
Acanthocybium solandri (Cuvier, 1832)									+			0.000	CT	Observed by EPA team.
Auxis thazard thazard (Lacepède, 1800)					+				+			0.000	WW	Observed by EPA team; presence of *A. rochei* (Risso) yet to be confirmed.
Euthynnus affinis (Cantor, 1849)	+						+		+			0.000	IWP	In Saeed (2000), also by EPA team.
Katsuwonus pelamis (Linnaeus, 1758)	+								+			0.000	WW	In Saeed (2000), also by EPA team.
Rastrelliger kanagurta (Cuvier, 1816)					+							0.000	IWP	Observed by Aideed.
Scomber australasicus Cuvier, 1832									+			0.000	IP	As *S. japonicus* Houttuyn in Zajonz *et al.* (2000), species not known in Indian Ocean; observed by EPA team.
Scomberomorus commerson (Lacepède, 1800)	+	+	+	+	+		+		+	12	10	0.005	IWP	
Scomberomorus guttatus (Bloch & Schneider, 1801)					+		+					0.000	NI-WP	Observed by Aideed.
Thunnus albacares (Bonnaterre, 1788)	+						+		+			0.000	WW	In Saeed (2000), also by EPA team.
Paralichthyidae: 1 sp.	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**0.000**		Family needs further study.
Pseudorhombus sp.	+			+		+				1	1	0.000		Voucher specimens under study.
Bothidae: 2 spp.	**2**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**1**	**3**	**1**	**0.000**		Family needs further study.

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Arnoglossus sp.	+			+		+				1	1	0.000		Voucher specimen under study.
Bothus pantherinus (Rüppell, 1830)	+			+		+			+	2		0.000	IWP	Also in Steindachner (1902) and Lavergne *et al.* (2016).
Poecilopsettidae: 1 sp.	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0.000**		Family needs further study.
Marleyella bicolorata (von Bonde, 1922)									+			0.000	WI	Based on ZMH 5564, SW off Socotra.
Soleidae: 2 spp.	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**0**	**1**	**2**	**2**	**0.000**		Family needs further study.
Dagetichthys albomaculatus (Kaup, 1858)									+			0.000	IWP	Based on BMNH 1957.4.24.102; as *Synaptura marginata* in Zajonz *et al.* (2000); the species name following Vachon *et al*. (2008).
Pardachirus marmoratus (Lacepède, 1802)	+		+	+	+	+	+			2	2	0.000	WI	
Balistidae: 11 spp.	**8**	**7**	**8**	**8**	**9**	**5**	**7**	**10**	**2**	**292**	**240**	**2.495**		
Balistapus undulatus (Park, 1797)	+	+	+	+	+	+	+	+		36	31	0.026	IWP	
Balistoides conspicillum (Bloch & Schneider, 1801)	+	+	+	+	+		+	+		4	2	0.002	IWP	
Balistoides viridescens (Bloch & Schneider, 1801)	+	+	+	+	+			+		4	4	0.001	IWP	McCord & Westneat (2016) proposed a new placement in *Pseudobalistes* based on molecular phylogeny.
Canthidermis macrolepis (Boulenger, 1888)							+					0.000	NWI_reg	
Melichthys indicus Randall & Klausewitz, 1973	+	+	+	+	+	+	+	+		65	51	0.194	pI	
Odonus niger (Rüppell, 1836)	+	+	+	+	+	+	+	+	+	44	39	1.575	IWP	
Pseudobalistes flavimarginatus (Rüppell, 1829)								+				0.000	IWP	
Pseudobalistes fuscus (Bloch & Schneider, 1801)					+			+				0.000	IWP	McCord & Westneat (2016) proposed a new placement in *Balistes* based on molecular phylogeny.
Rhinecanthus assasi (Forsskål, 1775)	+		+	+	+			+		9	4	0.002	NWI_reg	
Sufflamen chrysopterum (Bloch & Schneider, 1801)	+	+	+	+	+	+	+	+		56	45	0.097	IWP	*S. albicaudatum* (Rüppell) occurs potentially too.
Sufflamen fraenatum (Latreille, 1804)	+	+	+	+	+	+	+	+	+	74	64	0.598	IWP	

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ANNEX 1. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Monacanthidae: 5 spp.	**3**	**4**	**4**	**4**	**4**	**1**	**4**	**1**	**2**	**28**	**19**	**0.022**		
Aluterus scriptus (Osbeck, 1765)	+	+	+	+	+		+	+		4	3	0.002	CT	
Cantherhines dumerilii (Hollard, 1854)	+	+	+	+	+		+		+	7	1	0.001	IP	Probably listed as *Cantherhines* sp. by Kemp (1998).
Cantherhines pardalis (Rüppell, 1837)	+	+	+	+	+	+	+			16	15	0.019	IWP	
Paraluteres prionurus (Bleeker, 1851)		+	+	+	+		+			1		0.000	IWP	
Thamnaconus striatus (Kotthaus, 1979)									+			0.000	NI-WP	Described by Kotthaus (1979) as *Amanses striatus* (Balistidae), based on ZMH 5976 collected SW off Socotra, included because reported as "continental shelf" fish and demersal; also listed from northern Australia by Larson *et al.* (2013).
Ostraciidae: 2 spp.	**2**	**1**	**2**	**2**	**2**	**0**	**2**	**2**	**0**	**29**	**20**	**0.007**		
Ostracion cubicus Linnaeus, 1758	+	+	+	+	+		+	+		27	19	0.007	IWP	
Ostracion cyanurus Rüppell, 1828	+		+	+	+		+	+		2	1	0.000	NWI_reg	
Tetraodontidae: 10 spp.	**10**	**3**	**4**	**8**	**6**	**4**	**5**	**6**	**2**	**116**	**87**	**0.187**		
Arothron hispidus (Linnaeus, 1758)	+			+		+		+		1		0.000	IP	Also in Lavergne *et al.* (2016).
Arothron meleagris (Anonymous, 1798)	+	+	+	+	+		+	+		18	13	0.025	IP	
Arothron nigropunctatus (Bloch & Schneider, 1801)	+			+	+		+	+		1	1	0.000	IWP	
Arothron stellatus (Anonymous, 1798)	+			+	+					2	2	0.000	IWP	
Lagocephalus lunaris (Bloch & Schneider, 1801)	+								+			0.000	IWP	As *Terodon lunaris* in Steindachner (1902); comparison with *L. guentheri* Miranda Ribeiro desired.
Lagocephalus sceleratus (Gmelin, 1789)	+						+		+			0.000	IWP	
Torquigener sp.	+			+		+				1	1	0.000		Voucher specimen is a juvenile, under study.
Canthigaster cyanospilota Randall, Williams & Rocha, 2008	+		+	+	+			+		3	3	0.016	pI	As *C. coronata* (Vaillant & Sauvage) in Zajonz *et al.* (2000).

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ANNEX 1. (Continued)

		Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Canthigaster petersii (Bianconi, 1854)		+	+	+	+	+	+	+	+		44	37	0.071	pI	As *C. solandri* (Richardson) in Zajonz *et al.* (2000), known only in western Pacific Ocean (Allen & Erdmann 2012); *C. margaritata* (Rüppell) may also occur.
Canthigaster valentini (Bleeker, 1853)		+	+	+	+	+	+	+	+		46	30	0.076	IWP	
Diodontidae: 5 spp.		**5**	**1**	**2**	**5**	**5**	**3**	**4**	**2**	**1**	**29**	**25**	**0.018**		
Cyclichthys orbicularis (Bloch, 1785)		+			+	+	+	+			4	3	0.000	IWP	
Cyclichthys spilostylus (Leis & Randall, 1982)		+			+	+			+		1	1	0.000	IP	
Diodon holocanthus Linnaeus, 1758		+	+	+	+	+	+	+		+	17	17	0.018	CT	
Diodon hystrix Linnaeus, 1758		+		+	+	+		+			5	2	0.000	WW	
Diodon liturosus Shaw, 1804		+			+	+	+	+	+		2	2	0.000	IWP	
Molidae: 1 sp.		**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0.000**		
Mola alexandrini (Ranzani, 1839)								+		+			0.000	WW	Observed by EPA team; formerly known as *Mola mola* (Linnaeus) until redescribed by Sawai *et al*. (2017).
Cumulative statistical data [7]															
Preliminary Species Account: spp.	682	549	273	348	561	464	280	368	208	213	6631	5136	95.706	654	*
Working List: ODUs	51	33	12	19	39	31	17	10	4	6	154	129	1.27		See Annex 2.
Subtotal: spp. s.lat	**733**	**582**	**285**	**367**	**600**	**495**	**297**	**378**	**212**	**219**	**6785**	**5265**	**96.976**		
Discarded: obs..	66	46	11	34	64	29	47	5	3	9	181	140	3.03		See Materials and Methods.
Total: "obs."	**799**	**628**	**296**	**401**	**664**	**524**	**344**	**383**	**215**	**219**	**6966**	**5405**	**100.0**		**Mean abundances: 1,228.3/1.25 km^3**

[7] Five additional putative fish hybrids are not included because by the time they were reported by DiBattista *et al*. (2015a) work on the account and statistical analyses had been completed; see preceding footnotes)

ANNEX 2. Working List of additional *Operational Diversity Units*
Preliminary list of ODUs (compare Materials and Methods) pertinent to Annex 1, listing their archipelagic distribution records (if known), data on recording methods, total record frequencies of this study and record frequencies during the semi-standardised surveys in 1999-2000 (at 74 fish inventory sites), and mean abundances per 1.25 km^3 of 34 transect sites. Species are arranged in the same systematic order as Annex 1 and alphabetically within the genera.

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Total no. of species: 51 Cumulative data:	**33**	**12**	**19**	**39**	**31**	**17**	**10**	**4**	**6**	**154**	**129**	**1.27**		
Sphyrna sp.								+				0.000		A second congener expected, also reported by Kemp (1998).
Mobula alfredi (Krefft, 1868)												0.000		Expected to occur but yet to be confirmed.
Heterocongrinae gen. sp.							+					0.000		A large colony observed by drop camera tows during ground-truthing surveys at Socotra Island; sampling required.
Gymnothorax sokotrensis Kotthaus, 1968									+			0.000		Species similar to *G. punctatus* Bloch & Schneider and *G. moluccensis* (Bleeker), further study required.
Ophichthidae gen. sp. 1-2			+	+		+				1	1	0.000		Two putative species with voucher specimens, under study.
Thryssa cf. *setirostris* (Broussonet, 1782)	+								+			0.000		Listed in Zajonz *et al*. (2002) as *T. setirostris* (Broussonet) based on ZMH 10670 (5 spcms.) of Taschenberg (1883, based on Schweinfurth and Riebeck material of 1881); identity as distinct species needs to be confirmed.
Osteomugil sp. 1 [aff. c*unnesius* (Val.)]	+			+		+				1		0.000		Keys out close to *O. cunnesius*; re-sampling required; not identical with preceding *O.* cf. *cunnesius*.
Scorpaenidae gen. spp.	+	+	+	+		+				5	5	0.000		Additional scorpaenids which do not belong to any of the recorded species require further research.
Platycephalidae gen. spp.												0.000		Family needs further study; dedicated sampling and study required.
Plectranthias intermedius (Kotthaus, 1973)									+			0.000		A deep dwelling species, to be confirmed in coastal waters.

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ANNEX 2. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Pseudanthias sp.	+			+	+					1	1	0.000		Field drawing available, orange-red with two horizontal golden stripes on body sides, occured concurrently with *P. cooperi*; sampling required.
Apogon sp. [aff. *doederleini*]	+			+	+					1	1	0.000		Listed as *Apogon* sp. 2 by Zajonz & Khalaf (2002), tentative, to be compared against *O. holotaenia*.
Ostorhinchus sp. [aff. *properuptus*-complex]	+	+	+	+	+	+	+	+		46	46	1.060		Listed as *Apogon* sp. 10 by Zajonz *et al*. (2000), tentative, to be compared against *O. cyanosoma*.
Apogonidae spp.	+	+	+	+	+	+				5	4	0.000		Several additional species do occur, family needs further study; dedicated sampling and study required.
Lutjanus cf. *vitta* (Quoy & Gaimard, 1824)									+			0.000		Observed by EPA team, tentative, potentially confused with *L. lutjanus*.
Lethrinus sp.	+		+	+	+	+				4	4	0.000		Unidentified species; sampling required.
Nemipteridae gen. sp.	+			+	+					2	2	0.007		Unidentified species, possibly *Parascolopsis eriomma* Jordan & Richardson.
Amphiprion sp. x sp.		+		+	+		+	+		1	1	0.000		Not identical with any of the other *Amphiprion*, putatively a hybrid of *A. bicinctus* with either *A. chagosensis* or *omanensis* (Zajonz *et al*. in prep.); compare DiBattista *et al*. (2015a).
Chrysiptera cf. *springeri* (Allen & Lubbock, 1976)?	+			+	+					2	2	0.002		Repeated sightings of an entirely bluish damsel are tentatively referred to this species, sampling required.
Plectroglyphidodon sp. 1 [aff. *lacrymatus*]			+	+	+					1		0.000		A species related morphlogically to *P. lacrymatus*, sampling required.
Pomacentrus cf. *philippinus* Evermann & Seale, 1907	+			+	+					1	1	0.000		Tentative, a species resembling *P. caeruleus*; sampling required.
Pomacentrus sp. 1 [aff. *coelestis* Jordan & Starks, 1901]	+			+	+		+			3	3	0.000		Another species resembling *P. caeruleus* observed several times in different years, field drawing available, sampling required.

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ANNEX 2. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Cheilinus cf. *chlorourus* (Bloch, 1791)												0.000		Several visual observations referred rather to this species than *C. abudjubbe* Rüppell; sampling required.
Cirrhilabrus sp. 1	+			+	+	+	+			2	2	0.000		Visual observation and field drawing indicate resemblance to *C. katherinae* Randall; sampling required.
Cirrhilabrus sp. 2		+		+	+					1	1	0.002		Not referable to any of the other *Cirrhilabrus*, sampling reqired.
Oxycheilinus sp.	+		+	+	+	+	+			5	5	0.002		Unidentified spreckled congener, provisionally referred to *O. arenatus* (Valenciennes); sampling required.
Anampses cf. *melanurus* Bleeker, 1857	+		+	+	+					8	6	0.013		A species closely resembling *A. lineatus* tentatively referred to *A. melanurus*, which has however not been reported from the WIO and Arabian region; potentially a hybrid of *A. lineatus* x *meleagrides*; sampling required.
Gomphosus cf. *varius* Lacepède, 1801	+	+	+	+	+					10	9	0.044		Tentative visual record based on repeated sightings of the juvenile morphe only, adults not recorded; sampling required.
Halichoeres sp. 1 [aff. *lapillus* Smith, 1947]	+		+	+	+					5	2	0.047		Recorded as species close to *H. nebulosus*; sampling required.
Labridae gen. sp. 1			+	+	+					1	1	0.000		Unidentified wrasse close to *Cheilinus* or *Oxycheilinus*; sampling required.
Labridae gen. sp. 2			+	+	+					1		0.000		Unidentified wrasse close to *Cirrhilabrus*, two yellow stripes; sampling required.
Labridae gen. sp. 3	+			+	+		+			1		0.000		Unidentified species with *Halichoeres* habitus, anterior half of body dark-orange, posterior part blueish; sampling required.
Labridae gen. sp. 4 [aff. *Pseudojuloides atavai* Randall & Randall, 1981]	+			+						1	1	0.016		Visually the species resembles *Pseudojuloides atavai*; sampling required.
Labridae gen. sp. 5 [aff. *Stethojulis*]	+		+	+	+					3	3	0.000		Unidentified wrasse tentatively referred to *Stethojulis*; sampling required.

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ANNEX 2. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Labridae gen. sp. 6 [aff. *Suezichthys*]	+			+	+		+			1		0.000		Unidentified wrasse tentatively referred to *Suezichthys*; perhaps identical with record of *S.* cf. *caudavittatus* (see before).
Scarus cf. *falcipinnis* (Playfair, 1867)	+	+		+	+					5		0.000		Tentative, sampling required.
Enneapterygius pallidus Clark, 1980			+	+		+				1	1	0.000		Identified by M. Meguro (unpubl.); re-examination required as thus far considered endemic to the Red Sea.
Enneapterygius spp.	+	+	+	+	+	+				4	4	0.000		Several additional species in this genus present, more study needed.
Helcogramma spp.	+	+	+	+	+	+				8	7	0.000		Several additional species in this genus present, more study needed.
Meiacanthus sp.	+			+	+					1	1	0.007		Sampling desired.
Cirripectes cf. *filamentosus* (Alleyne & Macleay, 1877)	+			+	+					4		0.000		Tentatively included, potentially occurs and misidentified occasionally as *C. castaneus*; sampling required.
Ecsenius sp.	+	+	+	+	+	+				8	7	0.064		Numerous visual records referred to a species related to *E. pulcher*; possibly referable to one of the new species within the *pulcher*-complex; study needed.
Istiblennius cf. *unicolor* (Rüppell, 1838)	+					+			+			0.000		In Steindachner (1902), voucher to be studied; species not yet considered to occur outside the Red Sea in literature.
Blenniidae gen. spp.			+	+		+				1	1	0.000		Several yet unidentified species occur, family needs further study.
Bathygobius sp.	+			+		+				1	1	0.000		Voucher specimen under study.
Fusigobius spp.	+	+	+	+	+	+				5	4	0.003		Additional species in *Fusigobius* [Indo-Pacific *Coryphopterus sensu* H. Larson] observed, e.g. putatively *F. neophytus* (Günther); sampling and study required.

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ANNEX 2. (Continued)

	Socotra & Sabuniya	Darsa & Samha	Abd al-Kuri & Kal Farun	Archipelago (own *in-situ* rec)	Visual records	Sample records	Photo records	Kemp's (1998)	Other records	Record events total (*in-situ*)	Record events 1999-2000	Abundances (%)	Biogeographic classification	Remarks
Siganus cf. *canaliculatus* (Park, 1797)	+						+					0.000		Tentative, observed visually once.
Sphyraena cf. *obtusata* Cuvier, 1829							+		+			0.000		Tentative, identified from photo (M. Martin); sample-based distinction from similar congeners *S. obtusata* Cuvier (*S. flavicauda* Rüppell is a synonym) and *S. pinguis* Günther pending.
Auxis cf. *rochei* (Risso, 1810)	+			+	+					1		0.000		Based on a visual observation, see comment for *A. thazard*.
Poecilopsettidae gen. spp.		+		+		+				1	1	0.000		Family needs further study; dedicated sampling and study required.
Cantherines sp.	+			+	+			+		1	1	0.000		Sampling required to establish, whether Kemp's record refers to a third species.
Cumulative data:	**33**	**12**	**19**	**39**	**31**	**17**	**10**	**4**	**6**	**154**	**129**	**1.27**		