

APPENDIX 1

COMMERCIAL FISH TAXA ASSOCIATED WITH SLOPES AND SEAMOUNTS.

This appendix consists of two tables: a short one, with basic data on five (groups of) species with strong affinities to seamounts (as used in Figure 1 the contribution of which this an appendix), and a longer one, listing species also (and in fact, predominantly) found on slopes. Species (and species groups) are ranked by their cumulative catch (1950 – 2001) in global FAO statistics. SL refers to maximum standard length, and TL to trophic level, both usually from FishBase (www.fishbase.org), with modifications, if any, documented in www.seaaroundus.org.

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Data on five (groups of) species with strong affinities to seamounts (as used in Figure 1 the contribution of which this an appendix).

Seamount fishes	Common names	TL	Max. length (SL, cm)	Cumulative catch (t)
<i>Hoplostethus atlanticus</i>	Orange roughy	3.98	75	1,083,452
<i>Coryphaenoides rupestris</i>	Roundnose grenadier	3.69	110	943,516
Oreosomatidae	Oreo	3.70		660,295
<i>Beryx</i>	Alfonsino	4.20		123,147
<i>Pseudopentaceros richardsoni</i>	Pelagic armorhead	3.50	56	1,407

Species (and species groups) are ranked by their cumulative catch (1950 – 2001) in global FAO statistics.

Slope and seamount fishes	Common names	TL	Max. length (SL, cm)	Cumulative catch (t)
<i>Theragra chalcogramma</i>	Alaska pollack	3.45	91	165,019,199
<i>Scomber japonicus</i>	Chub mackerel	3.09	64	123,564,920
<i>Katsuwonus pelamis</i>	Skipjack tuna	4.35	120	40,496,556
<i>Thunnus albacares</i>	Yellowfin tuna	4.30	265	28,278,557
<i>Trachurus</i> spp	Cutlass fishes	3.48		22,896,012
<i>Melanogrammus aeglefinus</i>	Haddock	3.58	100	22,852,374
<i>Pollachius virens</i>	Saithe	3.75	130	22,163,959
<i>Decapterus</i> spp	Scads	3.40		21,313,194
<i>Micromesistius poutassou</i>	Blue whiting	4.01	50	19,601,679
<i>Sebastes</i> spp	Redfishes	4.00		15,342,599
<i>Gadus macrocephalus</i>	Pacific cod	4.50	119	11,581,361
<i>Thunnus obesus</i>	Bigeye tuna	4.50	250	9,863,583
<i>Decapterus maruadsi</i>	Japanese scad	3.40	28	9,612,881
<i>Euthynnus affinis</i>	Kawakawa	4.47	111	8,578,235

Slope and seamount fishes	Common names	TL	Max. length (SL, cm)	Cumulative catch (t)
<i>Sebastes marinus</i>	Ocean perch	4.08	100	4,556,852
<i>Macruronus novaezelandiae</i>	Blue grenadier	4.47	120	4,450,663
Trichiuridae	Cutlassfishes	4.10		4,261,217
<i>Macruronus magellanicus</i>	Patagonian grenadier	3.98	115	4,187,549
<i>Squalus acanthias</i>	Piked dogfish	4.33	160	4,009,764
<i>Sebastes alutus</i>	Pacific ocean perch	3.50	51	3,991,279
<i>Hippoglossoides platessoides</i>	American plaice	3.65	82	3,280,729
<i>Decapterus russelli</i>	Indian scad	3.69	45	3,119,156
<i>Molva molva</i>	Ling	3.00	200	2,743,939
Scorpaenidae	Scorpion- or rockfishes	4.00		2,640,436
<i>Seriola</i> spp	Amberjacks	4.20		2,514,012
<i>Xiphias gladius</i>	Swordfish	4.55	505	2,406,288
<i>Brosme brosme</i>	Tusk	4.22	120	1,931,065
Squalidae	Dogfish sharks	4.20		1,912,982
<i>Hippoglossus stenolepis</i>	Pacific halibut	4.13	258	1,779,891
<i>Sarda sarda</i>	Atlantic bonito	4.20	102	1,699,161
Scombridae	Mackerels, tunas, bonitos	4.00		1,646,652
<i>Lepidopsetta bilineata</i>	Rock sole	3.21	58	1,628,219
<i>Glyptocephalus cynoglossus</i>	Witch	3.06	73	1,349,633
<i>Anoplopoma fimbria</i>	Sablefish	3.86	120	1,333,974
<i>Trachurus symmetricus</i>	Pacific jack mackerel	3.56	81	1,256,202
<i>Coryphaena hippurus</i>	Common dolphinfish	4.37	21	1,155,654
<i>Merluccius australis</i>	Southern hake	4.50	126	1,070,222
<i>Lophius piscatorius</i>	Angler	4.49	244	1,024,978
Moridae	Morid cods	3.50		668,302
<i>Microstomus kitt</i>	Lemon sole	3.22	65	646,336
<i>Conger conger</i>	European conger	4.29	300	637,395
<i>Hippoglossus hippoglossus</i>	Atlantic halibut	4.59	240	621,752
<i>Lepidorhombus whiffiagonis</i>	Megrim	3.58	60	593,844
<i>Psenopsis anomala</i>	Melon seed	3.45	30	530,517
<i>Lepidorhombus</i>	Megrims	3.80		524,073
<i>Molva dypterygia</i>	Blue ling	4.48	155	510,298
<i>Cetorhinus maximus</i>	Basking shark	3.20	900	476,574
<i>Dissostichus eleginoides</i>	Patagonian toothfish	3.57	215	464,248
Istiophoridae	Billfishes	4.50		460,445
<i>Trachurus picturatus</i>	Blue jack mackerel	3.32	60	438,681
<i>Macrourus</i> spp	Grenadiers	3.90		418,562
<i>Lepidopus caudatus</i>	Silver scabbardfish	4.47	250	362,435
<i>Elagatis bipinnulata</i>	Rainbow runner	3.59	180	359,837
<i>Priacanthus macracanthus</i>	Red bigeye	3.80	35	319,722
Macrouridae	Grenadiers or rattails	3.90		285,331
<i>Squalus</i> spp	Dogshark			266,423
<i>Brama brama</i>	Atlantic pomfret	4.14	100	238,215
<i>Galeorhinus galeus</i>	Tope shark	4.21	193	236,830
<i>Chelidonichthys gurnardus</i>	Grey gurnard	3.57	60	228,249
Myctophidae	Lanternfishes	3.30		222,329
<i>Zeus faber</i>	John Dory	4.50	90	182,902
<i>Etmopterus</i> spp	Etmopterus	4.20		182,493
<i>Pseudocaranx dentex</i>	White trevally	3.24	122	171,730
<i>Aphanopus carbo</i>	Black scabbardfish	4.50	134	149,090
<i>Macroramphosus scolopax</i>	Longspine snipefish	3.47	20	147,957
<i>Raja clavata</i>	Thornback ray	3.60	105	141,632

Slope and seamount fishes	Common names	TL	Max. length (SL, cm)	Cumulative catch (t)
<i>Sebastes mentella</i>	Deepwater redfish	3.65	55	123,382
<i>Microstomus pacificus</i>	Dover sole	3.27	76	108,928
<i>Pagellus bogaraveo</i>	Blackspot seabream	3.66	85	105,596
<i>Phycis blennoides</i>	Greater forkbeard	3.49	110	90,939
<i>Synagrops japonicus</i>	Japanese splitfin	3.00	43	88,756
<i>Maurolicus muelleri</i>	Pearlsides	3.01	8	83,814
<i>Helicolenus dactylopterus</i>	Blackbelly rosefish	3.90	47	73,957
Centriscidae	Snipe- and shrimpfishes			68,524
<i>Ruvettus pretiosus</i>	Oilfish	4.08	300	64,818
<i>Acanthocybium solandri</i>	Wahoo	4.50	250	63,341
Chlorophthalmidae	Greeneyes	3.80		60,749
<i>Macrourus berglax</i>	Onion-eye grenadier	3.62	110	55,377
<i>Prionace glauca</i>	Blue shark	4.24	400	49,948
<i>Macruronus</i> spp	Macruronus	4.20		47,035
<i>Seriola lalandi</i>	Yellowtail amberjack	4.07	250	43,343
<i>Epigonus telescopus</i>	Bulls-eye	3.50	75	38,531
<i>Hyperoglyphe antarctica</i>	Antarctic butterfish	3.95	140	37,627
<i>Sebastes entomelas</i>	Widow rockfish	4.27	60	30,614
<i>Trisopterus minutus</i>	Poor cod	3.60	40	27,467
<i>Emmelichthys nitidus nitidus</i>	Redbait	3.61	40	26,388
<i>Centroscymnus coelolepis</i>	Portuguese dogfish	4.20	120	25,690
<i>Sebastes flavidus</i>	Yellowtail rockfish	4.11	66	23,632
<i>Epigonus</i> spp	Cardinalfishes	3.30		22,774
<i>Dipturus batis</i>	Blue skate	3.96	285	21,708
<i>Lepidorhynchus denticulatus</i>	Thorntooth grenadier	4.10	55	21,124
<i>Polyprion americanus</i>	Wreckfish	3.83	210	20,617
<i>Ectreposeastes imus</i>	Midwater scorpionfish	3.10	22	15,982
<i>Seriola dumerili</i>	Greater amberjack	4.50	190	15,496
<i>Dipturus oxyrinchus</i>	Longnosed skate	3.50	150	12,222
Emmelichthyidae	Rovers	3.40		11,648
Centrolophidae	Medusafishes	4.00		11,453
<i>Zenopsis nebulosus</i>	Mirror dory	3.98	70	10,840
<i>Mora moro</i>	Common mora	3.75	80	9,090
<i>Centroberyx affinis</i>	Redfish	3.81	62	8,882
<i>Eopsetta jordani</i>	Petrале sole	4.05	70	8,573
Trachichthyidae	Slimeheads	3.90		6,567
<i>Centrophorus squamosus</i>	Leafscale gulper shark	4.22	160	5,568
<i>Hydrolagus</i> spp	Hydrolagus	3.80		4,525
<i>Leucoraja circularis</i>	Sandy ray	3.50	120	4,231
<i>Somniosus microcephalus</i>	Greenland shark	4.22	730	4,114
<i>Leucoraja fullonica</i>	Shagreen ray	3.50	120	3,486
<i>Sebastes pinniger</i>	Canary rockfish	3.80	84	3,456
<i>Dalatias licha</i>	Kitefin shark	4.15	182	3,444
<i>Chimaera monstrosa</i>	Rabbit fish	3.42	150	2,669
<i>Deania calcea</i>	Birdbeak dogfish	4.22	122	2,245
<i>Notoscopelus</i> spp	Notoscopelus			2,050
<i>Centroscyllium fabricii</i>	Black dogfish	3.90	107	1,861
<i>Dissostichus mawsoni</i>	Antarctic toothfish	4.45	175	1,715
<i>Sebastes paucispinis</i>	Bocaccio	3.51	91	1,577
<i>Alepocephalus bairdii</i>	Bairds smooth-head	3.44	122	1,053
Scyliorhinidae	Cat sharks			721

Slope and seamount fishes	Common names	TL	Max. length (SL, cm)	Cumulative catch (t)
<i>Sebastolobus alascanus</i>	Shortspine thornyhead	3.61	98	599
<i>Dissostichus</i> spp	Toothfishes	4.01		572
<i>Pterygotrigla picta</i>	Spotted gurnard	3.78	42	546
<i>Scorpaena</i> spp	Scorpaena			538
<i>Phycis physis</i>	Forkbeard	4.11	65	496
<i>Centrophorus granulosus</i>	Gulper shark	4.13	160	433
<i>Alopias superciliosus</i>	Bigeye thresher	4.21	488	399
<i>Lepidocybium flavobrunneum</i>	Escolar	4.34	244	364
Caproidae	Boarfishes	3.60		308
<i>Molva</i> spp	Lings			219
<i>Regalecus glesne</i>	King of herrings	3.20	1100	194
<i>Antimora rostrata</i>	Blue antimora	3.69	92	159
<i>Argentina sphyraena</i>	Argentine	3.62	43	130
<i>Thunnus</i> spp	Tunas			101
<i>Pontinus kuhlii</i>	Offshore rockfish	4.05	52	77
<i>Galeus melastomus</i>	Blackmouth catshark	3.73	75	68
<i>Beryx decadactylus</i>	Alfonsino*	4.27	100	38
<i>Dasyatis pastinaca</i>	Common stingray	4.05	204	15
Trachinidae	Weeverfishes			12
<i>Symbolophorus veranyi</i>	Large scale lantern fish	3.02	15	10
<i>Somniosus pacificus</i>	Pacific sleeper shark	4.25	440	9
<i>Lepidorhombus boscii</i>	Fourspotted megrim	3.62	49	7
Alepocephalidae	Slickheads			5
<i>Centroscymnus cryptacanthus</i>	Shortnose velvet dogfish	3.71	105	3
<i>Mola mola</i>	Ocean sunfish	3.71	333	2
<i>Rhinochimaera atlantica</i>	Spearnose chimaera	3.55	140	2
<i>Holtbyrnia anomala</i>	Bighead searsid	3.28	31	1