

D. MARINE RESOURCES TABLES

This section contains Tables D1 to D17 referred to in the regional reviews (Section B) and the global review on tunas (Chapter C1). Since these tables summarize information that is supplementary to that provided in previous sections, reference should be made to the pertaining regional or global reviews for further details and clarification regarding the fish resources in each FAO Statistical Area. Each table includes for each of the main stocks or group of species in the Area a short list of the main fishing countries, catch data for each year from 1996 to 2002 and ten-year averages from 1950 to 1999, as well as a brief annotation on their state of exploitation. Grand totals of marine capture. Marine aquaculture and total production (capture plus aquaculture) are included at the bottom of each table. Brief notes describing the criteria and symbols used in the following tables are provided below.

Catch and landings

All catches are expressed in tonnes and are rounded to the nearest thousand. The concept "nominal catch" (usually referred to as "catch" throughout the document), refers to the landings converted to live weight basis. The main sources of the catch and landing information are:

- FAO Yearbook of Fishery Statistics (catches and landings), FAO, Rome
- FAO FishStat Plus (<http://www.fao.org/fi/statist/FISOFT/FISHPLUS.asp>)
- FishBase (<http://www.fishbase.org>)
- CECAF Statistical Bulletins (for the Eastern Central Atlantic, Area 34)
- GFCM Statistical Bulletins (for the Mediterranean and Black Sea, Area 37)
- Various national and regional bulletins and reports (for various Areas)

Stock or species groups

Each table includes selected exploited or exploitable stocks or groups of species. Criteria for selection includes high volume of current or historical catches, high commercial value and high potential for development. These have been grouped by FAO ISSCAAP (International Standard Statistical Classification of Aquatic Animals and Plants) species groups using the most recent changes described below.

Some changes in the ISSCAAP grouping have been introduced in the latest version of the Yearbook of Fishery Statistics and the FAO FishStat Plus, these have been included in this review. These changes follow the recommendation of the 19th Session of the Coordinating Working Party on Fishery Statistics - CWP (Nouméa, New Caledonia, 10-13 July 2001). Accordingly, the names and composition of former groups 33, 34 and 37 of the FAO International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP) have been revised as follows (the chart below better illustrate these ISSCAAP group changes):

- the species items of the former group 33 "Redfishes, basses, congers" were classified as coastal or demersal fishes and accordingly assigned to the new groups 33 "Miscellaneous coastal fishes" and 34 "Miscellaneous demersal fishes";
- the species formerly included in group 34 "Jacks, mullets, sauries" were moved to group 37, which was renamed "Miscellaneous pelagic fishes".

ISSCAAP Group changes

Code	Old ISSCAAP group	New ISSCAAP group	Species added	Species removed
33	Redfishes, basses, congers	Miscellaneous coastal fishes	Mulletts & threadfins	Demersal species from group 33
34	Jacks, mullets, sauries	Miscellaneous demersal fishes	Demersal species from group 33; snoeks & cutlassfishes	All species from group 34 except lanternfishes
37	Mackerels, snoeks, cutlassfishes	Miscellaneous pelagic fishes	All species from group 34 except mulletts & threadfins	Snoeks & cutlassfishes

Main fishing countries

Up to a maximum of four main fishing countries are listed for each stock or species group and countries are listed in ranking order by catch size in 2002.

State of exploitation

The state of exploitation as shown by the abbreviations below represents our best and most recent estimate of the state of the stock, its potential for increased production or requirement for stock recovery. The estimates are based on the best information available, which may include the results of peer-reviewed published reports as well as the analysis of qualitative data and information whose reliability may vary from one region to another as well as between stocks or groups of the same or of different species within the same area.

? (or blank) = Not known or uncertain. Not much information is available to make a judgment;

U = Underexploited, undeveloped or new fishery. Believed to have a significant potential for expansion in total production;

M = Moderately exploited, exploited with a low level of fishing effort. Believed to have some limited potential for expansion in total production;

F = Fully exploited. The fishery is operating at or close to an optimal yield level, with no expected room for further expansion;

O = Overexploited. The fishery is being exploited at above a level which is believed to be sustainable in the long term, with no potential room for further expansion and a higher risk of stock depletion/collapse;

D = Depleted. Catches are well below historical levels, irrespective of the amount of fishing effort exerted;

R = Recovering. Catches are again increasing after having been depleted or a collapse from a previous high.

Table D1 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Northwest Atlantic (FAO Statistical Area 21), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Amer. plaice(=Long rough dab)	<i>Hippoglossoides platessoides</i>	Canada, USA, Spain, Portugal	31	77	97	79	19	8	9	9	10	11	9	F	
Flatfishes nei	<i>Pleuronectiformes</i>	Canada, Portugal	2	6	4	7	5	2	1	1	1	1	0	F	
Greenland halibut	<i>Reinhardtius hippoglossoides</i>	Greenland, Spain, Canada, Russian Fed	1	17	47	38	67	51	56	52	70	65	64	F	
Summer flounder	<i>Paralichthys dentatus</i>	USA	7	5	7	11	6	5	5	6	5	5	7	F	
Winter flounder	<i>Pseudopleuronectes americanus</i>	USA, Canada	9	15	15	16	9	8	8	7	6	8	9	F	
Witch flounder	<i>Glyptocephalus cynoglossus</i>	USA, Canada, Spain, Portugal	5	28	38	19	9	6	5	6	6	7	7	F	
Yellowtail flounder	<i>Limanda ferruginea</i>	Canada, USA	9	42	50	30	12	4	5	10	14	21	19	F	
Other Flounders, halibuts, soles			5	4	3	6	3	1	1	2	1	2	2	F	
31-Flounders, halibuts, soles			69	194	261	206	130	85	90	93	113	117	120	116	
Atlantic cod	<i>Gadus morhua</i>	Canada, USA, Greenland	857	1 453	754	644	165	33	47	53	69	63	60	55	D
Haddock	<i>Melanogrammus aeglefinus</i>	Canada, USA	144	148	39	54	16	11	11	15	14	17	22	23	D
Saithe(=Pollock)	<i>Pollachius virens</i>	Canada, USA	49	37	38	61	27	13	17	21	13	11	11	11	F
Silver hake	<i>Merluccius bilinearis</i>	Canada, USA, Russian Fed	48	180	203	83	46	43	34	32	28	26	33	24	U
Tusk(=Cusk)	<i>Brosme brosme</i>	Canada, USA	2	5	6	6	3	2	2	2	1	1	2	1	F
White hake	<i>Urophycis tenuis</i>	Canada, USA, Spain, Portugal	15	10	18	24	13	8	7	6	8	8	13	13	F
Other Cods, hakes, haddocks, etc.			2	42	66	12	10	10	10	12	12	12	13	12	F
32-Cods, hakes, haddocks, etc.			1 117	1 875	1 124	884	280	120	128	141	143	138	149	139	
33-Miscellaneous costal fishes			32	27	21	21	16	21	20	18	28	19	19	21	?
American angler	<i>Lophius americanus</i>	USA, Canada	0	2	10	6	22	26	30	28	26	22	25	27	F
Atlantic redfishes nei	<i>Sebastes spp</i>	Russian Fed, Canada, Lithuania, Portugal	175	215	212	143	87	27	24	34	34	47	50	56	F
Other Miscellaneous demersal fishes			6	33	35	12	5	4	6	5	6	6	6	9	?
34-Miscellaneous demersal fishes			181	250	257	161	114	57	60	67	66	75	81	92	
Atlantic herring	<i>Clupea harengus</i>	Canada, USA	170	451	466	233	278	293	285	273	282	277	308	259	U-F-R
Atlantic menhaden	<i>Brevoortia tyrannus</i>	USA	428	268	270	305	301	280	322	248	189	183	236	181	F
Other Herrings, sardines, anchovies			0	0	0	0	0	2	0	0	1	0	0	0	?
35-Herrings, sardines, anchovies			598	719	736	538	579	575	607	521	472	460	544	440	
Atlantic mackerel	<i>Scomber scombrus</i>	Canada, USA	15	33	244	49	39	37	37	34	28	23	37	70	F
Capelin	<i>Mallotus villosus</i>	Canada	15	6	174	65	46	33	22	38	24	21	20	14	F
Other Miscellaneous pelagic fishes			5	6	13	10	7	8	7	5	6	4	9	4	U
37-Miscellaneous pelagic fishes			35	45	431	124	92	78	66	77	58	48	66	88	
American lobster	<i>Homarus americanus</i>	Canada, USA	34	33	32	52	74	72	78	77	83	83	84	82	F/O
43-Lobsters, spinyrock lobsters			34	33	32	52	74	72	78	77	83	83	84	82	
Pandalus shrimps nei	<i>Pandalus spp</i>	Canada	0	0	4	12	23	25	29	29	31	35	31	33	F
Other Shrimps, prawns, etc.			1	7	33	64	142	175	146	178	213	234	232	259	?
45-Shrimps, prawns, etc.			1	7	37	76	165	200	175	207	244	269	263	292	
American sea scallop	<i>Placopecten magellanicus</i>	USA, Canada	83	120	122	155	147	109	102	99	132	197	254	280	M-F
Atlantic bay scallop	<i>Argopecten irradians</i>	USA	5	5	6	3	1	0	0	0	0	0	0	?	
Iceland scallop	<i>Chlamys islandica</i>	Greenland, Canada	0	0	0	0	8	14	14	9	3	4	3	3	
55-Scallops, penctens, etc.			88	125	128	158	156	123	116	108	135	201	257	283	
Atlantic surf clam	<i>Spisula solidissima</i>	USA	44	124	129	149	159	156	141	132	142	166	166	176	M-F
Northern quahog(=Hard clam)	<i>Mercenaria mercenaria</i>	USA, Canada	52	48	45	32	16	23	6	1	3	9	7	15	M-F
Ocean quahog	<i>Arctica islandica</i>	USA	1	1	34	159	175	174	164	149	144	123	143	150	M-F
Sand gaper	<i>Mya arenaria</i>	USA, Canada	17	20	24	20	10	6	7	8	8	8	10	9	?
Other Clams, cockles, arkshells, etc.			0	0	0	5	23	27	27	26	28	23	21	23	?
56-Clams, cockles, arkshells, etc.			114	193	232	365	383	386	345	316	325	329	347	373	
Total selected species groups			2 271	3 471	3 263	2 587	1 989	1 715	1 686	1 626	1 670	1 745	1 933	1 928	
Total other species groups			364	306	433	319	331	354	367	339	365	337	307	317	
Total marine capture			2 635	3 777	3 696	2 906	2 320	2 069	2 053	1 965	2 035	2 082	2 240	2 245	
Total aquaculture			1	1	2	8	50	52	71	70	90	108	108	105	
Total production			2 636	3 778	3 698	2 914	2 370	2 121	2 124	2 035	2 125	2 190	2 348	2 350	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D2 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Northeast Atlantic (FAO Statistical Area 27), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Atlantic salmon	<i>Salmo salar</i>	Norway, Finland, Denmark, Sweden	7	9	8	8	5	4	4	3	2	3	3	2	F-D
Other Salmons, trouts, smelts, etc.			9	13	11	9	9	10	9	8	8	12	7	7	F-D
23-Salmons, trouts, smelts, etc.			16	22	19	17	14	14	13	11	10	15	10	9	
European plaice	<i>Pleuronectes platessa</i>	Netherlands, Denmark, UK, Belgium	107	161	176	169	146	118	121	104	113	113	111	99	O
Other Flounders, halibuts, soles			96	146	171	183	196	201	190	192	205	186	191	176	F-O
31-Flounders, halibuts, soles			203	307	347	352	342	319	311	296	318	299	302	275	
Atlantic cod	<i>Gadus morhua</i>	Norway, Iceland, Russian Fed	1 675	1 611	1 772	1 426	1 106	1 307	1 328	1 158	1 025	877	884	835	O-D
Blue whiting(=Poutassou)	<i>Micromesistius poutassou</i>	Norway, Russian Fed, Iceland, Faeroe Is	13	18	223	713	675	613	691	1 153	1 298	1 446	1 795	1 589	O
Haddock	<i>Melanogrammus aeglefinus</i>	Norway, UK, Iceland, Russian Fed	289	464	493	316	256	351	323	269	236	196	207	244	O-D
Norway pout	<i>Trisopterus esmarkii</i>	Denmark, Norway	2	155	532	409	275	276	211	97	113	205	93	107	?-F
Polar cod	<i>Boreogadus saida</i>	Russian Fed	1	14	105	15	16	21	7	4	22	41	39	37	?
Saithe(=Pollock)	<i>Pollachius virens</i>	Norway, Faeroe Is, Iceland, France	210	323	592	420	349	342	302	309	327	302	314	370	F-O
Whiting	<i>Merlangius merlangus</i>	France, UK, Ireland, Netherlands	118	191	214	147	80	77	72	61	61	56	49	43	F-D
Other Cods, hakes, haddocks, etc.			198	251	238	249	217	205	202	205	208	208	225	181	F-D
32-Cods, hakes, haddocks, etc.			2 506	3 027	4 169	3 695	2 974	3 192	3 136	3 256	3 290	3 331	3 606	3 406	
Sandeels(=Sandlances) nei	<i>Ammodytes spp</i>	Denmark, Norway, Sweden	45	152	498	810	966	858	1 243	1 040	762	741	912	905	F
Other Miscellaneous costal fishes			31	32	48	22	24	22	22	24	23	24	24	23	F
33-Miscellaneous costal fishes			76	184	546	832	990	880	1 265	1 064	785	765	936	928	
Atlantic redfishes nei	<i>Sebastes spp</i>	Lithuania, Germany, Iceland, Portugal	222	173	230	260	218	246	214	214	143	73	48	50	F
Other Miscellaneous demersal fishes			63	92	114	163	189	189	204	213	251	348	375	344	F
34-Miscellaneous demersal fishes			285	265	344	423	407	435	418	427	394	421	423	394	
Atlantic herring	<i>Clupea harengus</i>	Norway, Iceland, Russian Fed, Denmark	2 478	2 738	1 078	1 081	1 733	2 036	2 249	2 149	2 130	2 104	1 645	1 613	F
European pilchard(=Sardine)	<i>Sardina pilchardus</i>	Portugal, Spain, France, UK	179	223	165	203	169	157	139	157	162	124	131	143	?-F
European sprat	<i>Sprattus sprattus</i>	Denmark, Poland, Sweden, Latvia	67	151	581	321	484	643	672	658	645	616	584	550	?-F
Other Herrings, sardines, anchovies			55	90	41	17	39	39	29	50	58	47	67	44	F
35-Herrings, sardines, anchovies			2 779	3 202	1 865	1 622	2 425	2 875	3 089	3 014	2 995	2 891	2 427	2 350	
Atlantic horse mackerel	<i>Trachurus trachurus</i>	Netherlands, Norway, Ireland, France	44	66	168	190	418	464	446	344	315	223	238	209	F
Atlantic mackerel	<i>Scomber scombrus</i>	UK, Norway, Ireland, Russian Fed	100	415	603	581	654	515	514	626	585	655	661	688	F
Capelin	<i>Mallotus villosus</i>	Iceland, Norway, Russian Fed	44	314	2 294	1 838	1 231	1 495	1 581	944	880	1 463	1 650	1 944	F
Other Miscellaneous pelagic fishes			81	96	107	51	67	73	89	88	77	64	73	62	?-F
37-Miscellaneous pelagic fishes			269	891	3 172	2 660	2 370	2 547	2 630	2 002	1 857	2 405	2 622	2 903	
Northern prawn	<i>Pandalus borealis</i>	Norway, Iceland	8	18	29	117	132	132	138	137	129	131	106	111	?-F
Other Shrimps, prawns, etc.			62	60	44	29	33	35	54	40	45	41	36	38	?-F
45-Shrimps, prawns, etc.			70	78	73	146	165	167	192	177	174	172	142	149	
Blue mussel	<i>Mytilus edulis</i>	Denmark, UK	22	20	42	87	128	100	119	122	114	127	146	133	?
Other Mussels			0	0	0	0	1	1	0	0	0	2	1	1	?
54-Mussels			22	20	42	87	129	101	119	122	114	129	147	134	
Total selected species groups			6 232	7 998	10 580	9 839	9 814	10 532	11 176	10 370	9 943	10 431	10 622	10 553	
Total other species groups			510	593	618	580	551	511	562	590	547	562	499	472	
Total marine capture			6 742	8 591	11 198	10 419	10 365	11 043	11 738	10 960	10 490	10 993	11 121	11 025	
Total aquaculture			169	258	413	607	929	1 035	1 091	1 240	1 345	1 311	1 315	1 110	
Total production			6 911	8 849	11 611	11 026	11 294	12 078	12 829	12 200	11 835	12 304	12 436	12 135	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D3 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups
fished in the Western Central Atlantic (FAO Statistical Area 31), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Flathead grey mullet		Venezuela, Mexico	3	4	5	9	15	17	14	11	10	11	10	8	
Groupers		Mexico, USA, Dominican Rp	8	18	23	26	24	20	20	18	23	20	20	20	F/O
Grunts		Venezuela, Mexico, Cuba	4	13	26	8	15	14	18	16	11	10	15	8	
Mulletts nei		Mexico, USA	18	22	19	18	16	11	17	16	11	15	13	12	
Sciaenids		Venezuela	19	18	36	27	27	24	32	20	27	29	23	23	F/O
Snapper		Venezuela, Dominican Rp, Mexico, USA	10	17	21	23	30	25	27	28	22	30	26	22	F/O
Other Miscellaneous costal fishes			10	26	29	36	42	48	37	36	35	39	37	39	
33-Miscellaneous costal fishes			72	118	159	147	169	162	157	159	127	155	150	132	
34-Miscellaneous demersal fishes			8	9	10	8	11	12	14	18	17	15	21	18	
Atlantic menhaden	<i>Brevoortia tyrannus</i>	USA	25	41	65	59	27	24	0	28	19	24	25	31	F
Atlantic thread herring	<i>Opisthonema oglinum</i>	USA, Cuba	2	6	9	5	9	6	15	15	17	15	7	5	?
Gulf menhaden	<i>Brevoortia patronus</i>	USA	290	470	603	786	558	492	598	497	694	591	529	582	F
Round sardinella	<i>Sardinella aurita</i>	Venezuela	19	38	42	61	119	155	143	191	128	77	74	159	M/F
Other Herrings, sardines, anchovies			1	4	6	4	3	3	5	8	7	7	7	6	
35-Herrings, sardines, anchovies			337	559	725	915	716	680	759	736	866	714	642	783	
Albacore	<i>Thunnus alalunga</i>	China,Taiwan p. China	0	6	7	6	3	4	3	2	6	10	16	10	F/O
Atlantic bonito	<i>Sarda sarda</i>	Venezuela, Mexico, Martinique, Trinidad Tob	0	1	2	2	4	4	4	5	5	4	4	5	?
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	Mexico, USA	5	8	10	9	10	11	9	9	9	7	7	7	F
Cero	<i>Scomberomorus regalis</i>		0	1	1	1	0	0	0	0	0	0	0	0	?
King mackerel	<i>Scomberomorus cavalla</i>	Mexico, Venezuela, USA, Trinidad Tob	5	6	7	7	9	10	13	8	10	9	10	12	F/O?
Serra Spanish mackerel	<i>Scomberomorus brasiliensis</i>	Trinidad Tob, Venezuela, Guyana	0	1	3	4	6	5	6	6	4	6	6	5	?
Skipjack tuna	<i>Katsuwonus pelamis</i>	Venezuela, Cuba, St Vincent	1	1	3	11	7	5	6	6	4	4	8	4	O
Yellowfin tuna	<i>Thunnus albacares</i>	Venezuela, USA, Mexico, St Vincent	4	14	10	23	27	25	26	28	24	25	29	18	F/O
Other Tunas, bonitos, billfishes, etc.			3	15	9	19	21	24	23	30	24	24	24	21	
36-Tunas, bonitos, billfishes, etc.			18	53	52	82	87	88	89	94	86	89	104	82	
38-Sharks, rays, chimaeras, etc.			3	7	10	25	32	31	33	30	26	23	22	25	
39-Marine fishes not identified			33	96	144	251	259	222	253	213	176	164	153	163	
42-Sea-spiders, crabs, etc.			21	35	38	52	60	57	69	67	52	60	49	58	
Caribbean spiny lobster	<i>Panulirus argus</i>	Cuba, Bahamas, Nicaragua, Dominican Rp	6	14	21	26	29	30	29	28	32	31	25	29	F/O
Other Lobsters, spinyrock lobsters			0	0	0	0	0	0	0	0	0	0	0	0	
43-Lobsters, spinyrock lobsters			6	14	21	26	29	30	29	28	32	31	25	29	
Atlantic seabob	<i>Xiphopenaeus kroyeri</i>	Guyana, Suriname, USA	0	0	2	6	13	17	21	17	19	25	32	26	?
Northern brown shrimp	<i>Penaeus aztecus</i>	USA	58	54	59	67	57	55	44	51	61	63	68	57	F
Northern pink shrimp	<i>Penaeus duorarum</i>	USA, Cuba	11	11	19	16	8	5	11	12	2	7	9	9	F
Northern white shrimp	<i>Penaeus setiferus</i>	USA	32	31	33	38	37	27	32	40	44	52	41	43	F
Penaeus shrimps nei	<i>Penaeus spp</i>	Mexico, Venezuela, Nicaragua, Fr Guiana	5	30	54	47	55	57	59	58	46	49	54	48	F?
Redspotted shrimp	<i>Penaeus brasiliensis</i>		0	0	0	0	0	0	0	0	0	0	0	0	F/O?
Rock shrimp	<i>Stycyonia brevirostris</i>	USA	0	0	1	2	3	1	2	4	1	3	3	1	
Royal red shrimp	<i>Pleoticus robustus</i>	USA	0	0	0	0	0	0	0	0	0	0	0	0	F
Other Shrimps, prawns, etc.			0	0	0	0	0	0	0	0	0	2	1	1	
45-Shrimps, prawns, etc.			106	126	168	176	173	162	169	182	173	201	208	185	
Stromboid conchs nei	<i>Strombus spp</i>	Mexico, Turks Caicos, Dominican Rp, Belize	1	2	6	13	30	38	33	31	29	23	25	20	F/O
Other Abalones, winkles, conchs, etc.			0	0	0	1	1	1	1	1	1	1	0	0	
52-Abalones, winkles, conchs, etc.			1	2	6	14	31	39	34	32	30	24	25	20	
American cupped oyster	<i>Crassostrea virginica</i>	USA, Mexico	39	61	68	107	90	109	96	102	85	195	156	146	?
Other Oysters			0	3	2	2	4	5	4	5	4	3	5	2	
53-Oysters			39	64	70	109	94	114	100	107	89	198	161	148	

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *		
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002	
Calico scallop	<i>Argopecten gibbus</i>		0	2	12	117	10	0	0	0	0	0	0	0	0	?
Other Scallops, penctens, etc.			1	2	1	3	2	0	0	1	0	0	0	0	0	
55-Scallops, penctens, etc.			1	4	13	120	12	0	0	1	0	0	0	0	0	
Total selected species groups			646	1 086	1 417	1 922	1 676	1 603	1 707	1 669	1 679	1 677	1 563	1 655		
Total other species groups			26	37	53	75	111	110	110	110	108	119	116	109		
Total marine capture			672	1 123	1 470	1 997	1 787	1 713	1 817	1 779	1 787	1 796	1 679	1 764		
Total aquaculture			42	72	96	88	83	79	83	78	81	76	85	100		
Total production			714	1 195	1 566	2 085	1 870	1 792	1 900	1 857	1 868	1 872	1 764	1 864		

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D4 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Eastern Central Atlantic (FAO Statistical Area 34), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Common sole	<i>Solea solea</i>	Morocco, Italy	0	0	3	6	7	2	3	8	3	7	9	4	O
Flatfishes nei	<i>Pleuronectiformes</i>	Spain, Senegal, Morocco, Mauritania	0	2	8	10	16	15	16	17	21	26	23	25	O
Tonguefishes	<i>Cynoglossidae</i>	Nigeria, Korea Rep, Cameroon, Sierra Leone	2	7	14	11	6	5	6	5	8	13	13	12	?
Other Flounders, halibuts, soles			0	0	1	1	8	13	14	16	9	5	4	3	O
31-Flounders, halibuts, soles			2	9	26	28	37	35	39	46	41	51	49	44	
European hake	<i>Merluccius merluccius</i>	Morocco, Spain, Italy	2	3	9	11	9	10	6	3	3	2	4	13	F
Senegalese hake	<i>Merluccius senegalensis</i>	Spain	0	2	52	19	16	16	16	17	18	14	18	8	O
Other Cods, hakes, haddocks, etc.			0	5	8	4	4	5	3	4	4	3	3	5	O
32-Cods, hakes, haddocks, etc.			2	10	69	34	29	31	25	24	25	19	25	26	
Bigeye grunt	<i>Brachydeuterus auritus</i>	Ghana, Côte d'Ivoire, Senegal, Togo	3	11	21	26	25	20	29	19	22	22	20	17	F
Bobo croaker	<i>Pseudotolithus elongatus</i>	Guinea, Sierra Leone, Cameroon, Gabon	0	1	3	4	9	13	11	9	7	13	11	12	F
Common dentex	<i>Dentex dentex</i>	Greece, Latvia	0	2	1	2	2	1	0	0	0	0	0	0	?
Croakers, drums nei	<i>Sciaenidae</i>	Korea Rep, Nigeria, Senegal, Cameroon	3	9	23	17	21	21	32	26	30	30	30	31	?
Mulletts nei	<i>Mugilidae</i>	Nigeria, Morocco, Senegal, GuineaBissau	1	4	13	14	16	12	18	18	23	23	21	23	?
Threadfins, tasselfishes nei	<i>Polynemidae</i>	Benin, Sao Tome Pm	2	5	13	13	3	4	4	1	0	0	0	1	?
Other Miscellaneous coastal fishes			40	139	244	243	180	194	198	192	209	189	205	198	?
33-Miscellaneous coastal fishes			49	171	318	319	256	265	292	265	291	277	287	282	
Largehead hairtail	<i>Trichiurus lepturus</i>	Lithuania, Morocco, Ghana, St Vincent	0	5	25	57	49	61	47	45	22	17	19	20	?
Other Miscellaneous demersal fishes			0	10	25	26	28	34	29	31	28	21	20	18	?
34-Miscellaneous demersal fishes			0	15	50	83	77	95	76	76	50	38	39	38	
Bonga shad	<i>Ethmalosa fimbriata</i>	Guinea, Sierra Leone, Senegal, Gambia	24	44	80	126	149	143	178	174	182	162	181	187	?
European anchovy	<i>Engraulis encrasicolus</i>	Ghana, Morocco, Lithuania, Russian Fed	4	4	47	113	148	122	132	151	147	196	182	145	?
European pilchard(=Sardine)	<i>Sardina pilchardus</i>	Morocco	97	188	572	622	738	615	650	589	533	600	803	760	F
Madeiran sardinella	<i>Sardinella maderensis</i>	Senegal, Ghana, Nigeria	1	1	29	24	103	126	140	132	129	141	129	134	F
Round sardinella	<i>Sardinella aurita</i>	Netherlands, Senegal, Ghana, Lithuania	25	54	100	251	323	399	318	318	283	285	363	286	F
Other Herrings, sardines, anchovies			34	56	287	100	254	350	411	506	421	365	268	229	F
35-Herrings, sardines, anchovies			185	347	1 115	1 236	1 715	1 755	1 829	1 870	1 695	1 749	1 926	1 741	
Atlantic bonito	<i>Sarda sarda</i>	Morocco, Netherlands, Russian Fed, Togo	3	3	6	6	5	5	10	13	7	6	6	9	?
Bigeye tuna	<i>Thunnus obesus</i>	Spain, China, Taiwan p. China, Japan	2	13	36	38	73	87	73	82	86	69	67	44	O
Frigate and bullet tunas	<i>Auxis thazard, A.rochei</i>	Russian Fed, Morocco, Spain, Cape Verde	0	2	6	12	5	7	9	10	7	8	2	2	?
Little tunny(=Atl.black skipj)	<i>Euthynnus alletteratus</i>	Ghana, Senegal	0	0	5	14	8	5	6	4	4	6	3	6	?
Skipjack tuna	<i>Katsuwonus pelamis</i>	Ghana, Spain, France, Other nei	1	15	71	92	125	108	105	112	132	108	118	93	M
Swordfish	<i>Xiphias gladius</i>	China, Taiwan p. China, Portugal, Japan	0	1	2	2	4	6	3	3	3	3	4	2	?
Tuna-like fishes nei	<i>Scombroidei</i>	Sierra Leone, Lithuania, Belize, Morocco	0	5	3	6	7	3	5	8	3	3	8	1	?
Yellowfin tuna	<i>Thunnus albacares</i>	France, Spain, Ghana, Other nei	8	47	89	113	115	111	98	107	102	91	116	107	F
Other Tunas, bonitos, billfishes, etc.			5	12	18	13	12	14	12	11	13	12	14	13	
36-Tunas, bonitos, billfishes, etc.			19	98	236	296	354	346	321	350	357	306	338	277	
Atlantic horse mackerel	<i>Trachurus trachurus</i>		0	3	14	13	1	0	1	1	1	0	0	0	F
Barracudas nei	<i>Sphyræna spp</i>	Nigeria, Gambia, Sierra Leone, Senegal	3	8	22	11	11	10	12	13	17	17	21	22	?
Chub mackerel	<i>Scomber japonicus</i>	Russian Fed, Morocco, Netherlands	3	67	170	197	155	224	246	213	143	227	140	155	F
False scad	<i>Caranx rhonchus</i>	Ghana, Liberia	0	0	5	11	7	3	3	3	3	4	0	2	F
Jack and horse mackerels nei	<i>Trachurus spp</i>	Other nei, Lithuania, Russian Fed, St Vincent	1	78	394	304	204	160	133	222	212	276	254	228	F
Other Miscellaneous pelagic fishes			6	18	77	69	54	41	47	60	60	44	61	71	F
37-Miscellaneous pelagic fishes			13	174	682	605	432	438	442	512	436	568	476	478	
38-Sharks, rays, chimaeras, etc.			4	13	33	27	35	35	67	51	51	51	52	48	
39-Marine fishes not identified			84	206	296	315	312	295	302	289	405	285	434	249	

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *		
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002	
European lobster	<i>Homarus gammarus</i>	Morocco, Greece	0	0	0	0	0	0	0	0	0	0	0	0	0	F
Norway lobster	<i>Nephrops norvegicus</i>	Portugal, Morocco, Spain	0	0	0	0	0	0	0	0	0	1	0	0	0	F
Palinurid spiny lobsters nei	<i>Palinurus spp</i>	Nigeria, Morocco, Gabon, Gambia	1	2	1	2	3	2	9	4	2	2	2	1	F	
Tropical spiny lobsters nei	<i>Panulirus spp</i>	Ghana, Sierra Leone, Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	F	
Other Lobsters, spinyrock lobsters			0	0	0	0	0	0	0	0	0	0	0	0		
43-Lobsters, spinyrock lobsters			1	2	1	2	3	2	9	4	3	2	2	1		
Deepwater rose shrimp	<i>Parapenaeus longirostris</i>	Senegal, Spain	0	0	8	8	6	4	5	11	6	6	8	3	F	
Natantian decapods nei	<i>Natantia</i>	Nigeria, Spain, Morocco	1	2	6	9	23	31	19	47	24	20	20	32	?	
Penaeus shrimps nei	<i>Penaeus spp</i>	Gabon, S. Leone, Côte d'Ivoire, Cameroon	0	0	2	2	4	4	6	6	8	8	6	4	F	
Southern pink shrimp	<i>Penaeus notialis</i>	Nigeria, Senegal	1	2	7	9	18	18	22	19	33	25	24	17	F	
Other Shrimps, prawns, etc.			0	0	1	1	0	0	0	0	1	0	0	0	F	
45-Shrimps, prawns, etc.			2	4	24	29	51	57	52	83	72	59	58	56		
Common octopus	<i>Octopus vulgaris</i>	Spain, Italy	0	9	60	44	32	27	23	39	24	13	16	9	O	
Common squids nei	<i>Loligo spp</i>	Italy, Portugal	0	0	0	2	1	0	0	0	0	0	0	0	F	
Cuttlefish, bobtail squids nei	<i>Sepiidae, Sepiolidae</i>	Senegal, Ghana, Mauritania, Morocco	1	17	33	45	43	40	47	42	52	57	45	16	F	
Octopuses, etc. nei	<i>Octopodidae</i>	Morocco, Senegal, Mauritania	20	35	44	67	96	87	60	73	151	126	135	63	O	
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Morocco, Spain, Mauritania	0	9	33	15	21	30	13	21	23	20	16	6	F	
Other Squid, Cuttlefish, octopuses			2	4	2	2	3	7	7	10	1	0	1	2		
57-Squid, Cuttlefish, octopuses			23	74	172	175	196	191	150	185	251	216	213	96		
Total selected species groups			384	1 127	3 024	3 157	3 500	3 546	3 610	3 763	3 677	3 626	3 904	3 342		
Total other species groups			1	9	33	27	23	24	22	39	21	21	23	28		
Total marine capture			385	1 136	3 057	3 184	3 523	3 570	3 632	3 802	3 698	3 647	3 927	3 370		
Total aquaculture			0	0	0	0	1	0	0	0	0	0	0	0		
Total production			385	1 136	3 057	3 184	3 524	3 570	3 632	3 802	3 698	3 647	3 927	3 370		

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D5 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Mediterranean and Black Sea (FAO Statistical Area 37), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Azov sea sprat	<i>Clupeonella cultriventris</i>	Russian Fed, Ukraine	51	41	75	85	6	1	2	3	11	12	28	27	D**
Pontic shad	<i>Alosa pontica</i>	Bulgaria	2	2	1	1	0	0	0	0	0	0	0	0	D**
Other Shads, etc.			0	0	1	1	3	2	2	3	3	2	3	3	D**
24-Shads, etc.			53	43	77	87	9	3	4	6	14	14	31	30	
Common sole	<i>Solea solea</i>	Italy, Egypt, Greece, Tunisia	1	5	5	8	8	7	6	5	4	5	5	5	F
Other Flounders, halibuts, soles			3	4	5	6	5	5	5	6	5	6	6	3	F
31-Flounders, halibuts, soles			4	9	10	14	13	12	11	11	9	11	11	8	
European hake	<i>Merluccius merluccius</i>	Italy, Spain, Greece, France	12	15	22	37	40	44	30	27	24	23	23	21	O
Whiting	<i>Merlangius merlangus</i>	Turkey, Russian Fed	0	2	10	20	19	22	16	14	15	19	11	10	F (D**)
Other Cods, hakes, haddockes, etc.			7	9	11	16	23	25	25	33	27	30	31	17	
32-Cods, hakes, haddockes, etc.			19	26	43	73	82	91	71	74	66	72	65	48	
Bogue	<i>Boops boops</i>	Algeria, Greece, Morocco, Tunisia	12	19	23	25	28	29	25	28	24	25	23	25	M-F
Common dentex	<i>Dentex dentex</i>	Tunisia, Italy, Greece, Albania	0	1	1	3	3	2	1	1	1	1	1	1	
Common pandora	<i>Pagellus erythrinus</i>	Tunisia, Algeria, Spain	1	1	5	8	4	5	6	5	5	6	5	5	
Dusky grouper	<i>Epinephelus marginatus</i>	Italy, Spain, Greece, Turkey	0	0	1	2	2	1	1	1	0	0	0	0	
European seabass	<i>Dicentrarchus labrax</i>	Italy, Egypt	0	1	2	3	3	4	3	3	3	4	4	5	F
Flathead grey mullet	<i>Mugil cephalus</i>	Greece, Tunisia, Israel	2	2	2	4	5	6	5	4	3	4	2	3	M-F
Gilthead seabream	<i>Sparus aurata</i>	Italy, Egypt, Tunisia, Turkey	0	2	3	3	5	4	4	5	6	5	6	7	
Mullet	<i>Mugilidae</i>	Turkey, Italy, Egypt, Tunisia	10	13	14	15	28	34	32	37	38	38	35	29	M-F
Picarel	<i>Spicara spp</i>	Greece, Turkey, Tunisia, Cyprus	10	16	17	14	14	12	12	13	9	8	9	7	M
Porgies, seabreams nei	<i>Sparidae</i>	Libya, Tunisia, Morocco, Israel	1	1	3	7	12	11	8	7	9	9	9	9	
Red mullet	<i>Mullus barbatus</i>	Turkey, Tunisia, Spain	0	1	2	5	6	5	5	5	6	4	6	5	M-F (D**)
Red mullet	<i>Mullus barbatus</i>	Turkey, Tunisia, Spain	0	1	2	5	6	5	5	5	6	4	6	5	F-O
Surmullet(=Red mullets) nei	<i>Mullus spp</i>	Italy, Algeria, Egypt, Greece	12	15	18	20	18	20	16	14	18	18	16	14	O
Other Miscellaneous costal fishes			48	62	24	34	49	50	51	48	53	49	44	50	
33-Miscellaneous costal fishes			96	134	115	143	177	183	169	171	175	171	160	160	
34-Miscellaneous demersal fishes			1	6	15	15	19	22	22	20	18	17	19	19	
European anchovy	<i>Engraulis encrasicolus</i>	Turkey, Italy	118	198	364	562	329	377	348	321	448	392	439	483	F-O
European pilchard(=Sardine)	<i>Sardina pilchardus</i>	Algeria, Spain, Italy, Greece	102	113	170	245	235	225	210	204	212	216	200	187	M
European sprat	<i>Sprattus sprattus</i>	Ukraine, Bulgaria, Russian Fed	2	3	17	70	28	28	28	38	39	42	63	70	D
Sardinellas nei	<i>Sardinella spp</i>	Algeria, Tunisia, Egypt, Spain	12	14	11	20	47	43	54	59	77	69	92	67	U-D
Other Herrings, sardines, anchovies			2	2	3	2	3	2	2	4	4	3	2	3	
35-Herrings, sardines, anchovies			236	330	565	899	642	675	642	626	780	722	796	810	
Albacore	<i>Thunnus alalunga</i>	Italy, Greece	0	0	1	3	2	3	3	3	5	6	5	6	F-D
Atlantic bluefin tuna	<i>Thunnus thynnus</i>	France, Italy, Tunisia, Turkey	6	7	9	15	28	38	34	28	23	23	24	22	D
Atlantic bonito	<i>Sarda sarda</i>	Turkey, Greece, Egypt, Tunisia	29	30	12	23	21	17	17	30	26	19	19	12	F-D
Plain bonito	<i>Orcynopsis unicolor</i>	Algeria, Morocco	0	0	0	0	0	0	0	0	0	0	0	0	
Swordfish	<i>Xiphias gladius</i>	Italy, Morocco, Spain, Tunisia	2	3	5	13	14	12	15	14	14	16	15	12	O
Other Tunas, bonitos, billfishes, etc.			3	5	7	9	9	10	7	5	7	8	6	7	
36-Tunas, bonitos, billfishes, etc.			40	45	34	63	74	80	76	80	75	72	69	59	
Chub mackerel	<i>Scomber japonicus</i>	Tunisia, Greece, Turkey, Morocco	1	3	4	23	24	20	22	16	18	15	11	7	M-F
Jack and horse mackerels nei	<i>Trachurus spp</i>	Algeria, Tunisia, Spain, Libya	30	30	30	33	24	24	26	23	27	30	30	25	M-F
Silversides(=Sand smelts) nei	<i>Atherinidae</i>	Egypt, Italy, Ukraine, Turkey	0	3	4	5	8	8	7	8	6	4	6	5	
Other Miscellaneous pelagic fishes			35	46	57	147	75	65	55	52	44	57	71	83	
37-Miscellaneous pelagic fishes			66	82	95	208	131	117	110	99	95	106	118	120	
Common prawn	<i>Palaemon serratus</i>	Spain	0	0	0	0	0	0	0	0	0	0	0	0	
Deepwater rose shrimp	<i>Parapenaeus longirostris</i>	Italy, Algeria, Tunisia	8	7	9	15	14	9	10	8	9	12	11	10	F
Other Shrimps, prawns, etc.			4	9	4	12	17	15	19	19	20	23	18	21	
45-Shrimps, prawns, etc.			12	16	13	27	31	24	29	27	29	35	29	31	

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes												State of exploitation *
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Mediterranean mussel 54-Mussels	<i>Mytilus galloprovincialis</i>	Italy, Turkey	14	21	19	25	39	39	53	39	44	46	46	52	F (+ aquac.)
Striped venus Other Clams, cockles, arkshells, etc. 56-Clams, cockles, arkshells, etc.	<i>Chamelea gallina</i>	Italy, Turkey	4	9	23	33	45	48	36	33	40	45	43	36	F-O
			1	0	2	1	4	4	3	4	3	3	3	3	
			5	9	25	34	49	52	39	37	43	48	46	39	
Common cuttlefish	<i>Sepia officinalis</i>	Tunisia, Greece, Turkey	2	5	2	6	10	8	11	8	10	9	10	11	F
Common octopus	<i>Octopus vulgaris</i>	Italy, Tunisia, France, Greece	5	8	11	17	18	17	19	17	13	15	15	16	F
Common squids nei	<i>Loligo spp</i>	Italy, Spain, Tunisia, Greece	4	8	7	8	8	8	7	5	5	5	5	4	F
Other Squid, Cuttlefish, octopuses 57-Squid, Cuttlefish, octopuses			10	21	26	31	27	27	23	24	21	26	23	21	
			21	42	46	62	63	60	60	54	49	55	53	52	
Total selected species groups			576	769	1 061	1 652	1 331	1 360	1 292	1 250	1 404	1 372	1 446	1 431	
Total other species groups			174	137	143	185	162	168	147	147	126	129	120	115	
Total marine capture			750	906	1 204	1 837	1 493	1 528	1 439	1 397	1 530	1 501	1 566	1 546	
Total aquaculture			2	9	39	86	218	226	242	287	320	368	368	537	
Total production			752	915	1 243	1 923	1 711	1 754	1 681	1 684	1 850	1 869	1 934	2 083	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D6 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups
fished in the Southwest Atlantic (FAO Statistical Area 41), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
31-Flounders, halibuts, soles			0	2	3	8	12	10	12	11	9	9	8	8	
Argentine hake	<i>Merluccius hubbsi</i>	Argentina, Uruguay	26	142	231	366	525	682	648	527	372	245	306	409	O-D
Patagonian grenadier	<i>Macruronus magellanicus</i>	Argentina, Falkland Is	0	0	1	32	54	56	52	120	137	142	136	116	M
Southern blue whiting	<i>Micromesistius australis</i>	Argentina, Japan, Chile	0	0	6	117	128	105	102	109	84	84	80	64	F-O
Southern hake	<i>Merluccius australis</i>	Argentina	0	0	0	1	3	4	3	3	3	7	5	5	F
Other Cods, hakes, haddocks, etc.			0	0	4	35	14	14	10	20	22	30	21	20	
32-Cods, hakes, haddocks, etc.			26	142	242	551	724	861	815	779	618	508	548	614	
Argentine croaker	<i>Umbrina canosai</i>	Brazil, Uruguay, Argentina	2	4	4	10	12	13	7	5	8	9	16	18	M-F-O
Striped weakfish	<i>Cynoscion striatus</i>	Argentina, Uruguay	1	4	9	21	24	32	39	32	20	23	23	20	M-F-O
Weakfishes nei	<i>Cynoscion spp</i>	Brazil	8	19	39	48	31	26	26	27	39	44	3	2	
Whitemouth croaker	<i>Micropogonias furnieri</i>	Brazil, Uruguay, Argentina	28	40	69	73	65	73	73	60	43	58	71	73	M-F-O
Other Miscellaneous costal fishes			34	64	98	97	78	80	89	88	99	102	135	134	
33-Miscellaneous costal fishes			73	131	219	249	210	224	234	212	209	236	248	247	
Patagonian toothfish	<i>Dissostichus eleginoides</i>	Argentina, Falkland Is, Uruguay	0	0	0	0	9	15	10	13	11	11	14	11	M-F
Pink cusk-eel	<i>Genypterus blacodes</i>	Argentina	3	2	3	12	25	24	23	27	24	17	23	20	M-F
Other Miscellaneous demersal fishes			0	41	16	14	24	19	27	34	30	28	37	36	
34-Miscellaneous demersal fishes			3	43	19	26	58	58	60	74	65	56	74	67	
Argentine anchovy	<i>Engraulis anchoita</i>	Argentina	9	15	24	18	19	21	25	13	13	12	13	16	U-M
Brazilian sardinella	<i>Sardinella brasiliensis</i>	Brazil	28	66	155	112	68	97	118	82	26	17	39	28	O
Other Herrings, sardines, anchovies			5	7	14	13	14	22	18	21	21	28	35	38	
35-Herrings, sardines, anchovies			42	88	193	143	101	140	161	116	60	57	87	82	
Albacore	<i>Thunnus alalunga</i>	China,Taiwan p. China, Brazil	1	9	7	9	16	16	14	12	12	9	12	12	
Bigeye tuna	<i>Thunnus obesus</i>	China,Taiwan p. China, Brazil, Japan	0	2	2	4	8	12	9	6	6	8	8	10	
Skipjack tuna	<i>Katsuwonus pelamis</i>	Brazil	0	1	1	18	21	23	27	24	23	25	24	18	
Swordfish	<i>Xiphias gladius</i>	Spain, Brazil, Uruguay, China	0	1	1	2	8	7	10	9	9	11	9	9	
Yellowfin tuna	<i>Thunnus albacares</i>	Brazil, China,Taiwan p. China, China	4	3	2	4	5	5	5	5	6	7	8	8	
Other Tunas, bonitos, billfishes, etc.			0	5	6	10	8	10	6	8	9	6	4	12	
36-Tunas, bonitos, billfishes, etc.			5	21	19	47	66	73	71	64	65	66	65	69	
37-Miscellaneous pelagic fishes			19	35	38	57	38	41	42	40	33	42	34	46	
38-Sharks, rays, chimaeras, etc.			6	20	31	43	52	56	57	58	59	60	62	57	
39-Marine fishes not identified			18	15	64	186	193	159	165	157	181	188	166	176	
42-Sea-spiders, crabs, etc.			2	11	14	19	16	14	17	16	16	18	17	16	
43-Lobsters, spinyrock lobsters			1	3	8	8	9	8	8	6	6	6	7	7	
Argentine red shrimp	<i>Pleoticus muelleri</i>	Argentina	2	0	0	10	14	10	6	23	16	37	79	51	F
Other Shrimps, prawns, etc.			18	33	50	54	38	36	41	36	33	41	31	42	F-O
45-Shrimps, prawns, etc.			20	33	50	64	52	46	47	59	49	78	110	93	
Argentine shortfin squid	<i>Illex argentinus</i>	Argentina, China,Taiwan p. China, Korea	0	1	20	242	672	656	980	694	1 145	931	743	511	F
Patagonian squid	<i>Loligo gahi</i>	Falkland Is, Spain, UK	0	0	0	28	54	69	22	52	43	67	58	25	F
Various squids nei	<i>Loliginidae, Ommastrephidae</i>		0	1	2	79	21	10	0	0	0	0	0	0	
Other Squid, Cuttlefish, octopuses			0	0	1	22	16	13	14	5	5	2	2	7	
57-Squid, Cuttlefish, octopuses			0	2	23	371	763	748	1 016	751	1 193	1 000	803	543	
Total selected species groups			219	548	929	1 778	2 304	2 438	2 710	2 343	2 562	2 325	2 237	2 030	
Total other species groups			5	11	13	10	25	42	47	36	61	45	51	60	
Total marine capture			224	559	942	1 788	2 329	2 480	2 757	2 379	2 623	2 370	2 288	2 090	
Total aquaculture			0	0	0	1	8	8	10	15	27	38	53	72	
Total production			224	559	942	1 789	2 337	2 488	2 767	2 394	2 650	2 408	2 341	2 162	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D7 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Souteast Atlantic (FAO Statistical Area 47), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Cape hakes	<i>Merluccius capensis, M.paradox.</i>	Namibia, South Africa	68	320	736	457	263	286	261	303	308	309	323	306	F/O
Other Cods, hakes, haddocks, etc.			0	0	8	6	1	1	1	1	2	1	2	3	
32-Cods, hakes, haddocks, etc.			68	320	744	463	264	287	262	304	310	310	325	309	
Geelbek croaker	<i>Atractoscion aequidens</i>	South Africa	0	0	0	0	0	0	0	1	0	0	0	0	D
Panga seabream	<i>Pterogymnus lanarius</i>	Namibia, South Africa	2	3	8	2	1	1	1	1	1	10	7	4	
Red steenbras	<i>Petrus rupestris</i>	South Africa	0	0	0	0	0	0	0	0	0	0	0	0	D
Other Miscellaneous costal fishes			21	51	45	35	21	21	18	50	34	37	54	72	
33-Miscellaneous costal fishes			23	54	53	37	22	22	19	52	35	47	61	76	
Devil anglerfish	<i>Lophius vomerinus</i>	Namibia, South Africa	0	0	6	14	16	15	17	24	22	21	22	24	
Kingklip	<i>Genypterus capensis</i>	Namibia, South Africa	1	2	11	11	5	7	6	6	8	8	11	13	
Snoek	<i>Thyrsites atun</i>	South Africa, Namibia	14	11	12	18	17	13	12	15	12	11	12	13	F ?
Other Miscellaneous demersal fishes			3	8	50	41	20	22	31	29	11	11	11	14	
34-Miscellaneous demersal fishes			18	21	79	84	58	57	66	74	53	51	56	64	
Sardinellas nei	<i>Sardinella spp</i>	Angola, Russian Fed	49	69	132	170	40	18	24	55	80	114	58	30	M/F
Southern African anchovy	<i>Engraulis capensis</i>	South Africa, Namibia	0	148	448	476	185	42	63	110	181	268	289	255	F
Southern African pilchard	<i>Sardinops ocellatus</i>	South Africa	364	991	437	85	156	106	145	197	176	161	200	265	F
Whitehead's round herring	<i>Etrumeus whiteheadi</i>	South Africa, Namibia	0	5	27	41	60	68	97	58	59	39	57	64	M/F
Other Herrings, sardines, anchovies			0	0	21	5	0	0	0	0	0	0	0	0	
35-Herrings, sardines, anchovies			413	1 213	1 065	777	441	234	329	420	496	582	604	614	
Albacore	<i>Thunnus alalunga</i>	South Africa, China, Taiwan p. China,	0	11	15	17	16	12	12	20	15	15	15	14	F ?
Bigeye tuna	<i>Thunnus obesus</i>	China, Taiwan p. China, Japan, China	0	4	8	14	19	20	16	16	22	24	19	19	O
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Japan, China, Taiwan p. China	0	0	7	5	2	2	0	2	2	2	3	1	O
Other Tunas, bonitos, billfishes, etc.			12	10	10	10	12	14	10	11	11	10	12	14	
36-Tunas, bonitos, billfishes, etc.			12	25	40	46	49	48	38	49	50	51	49	48	
Cape horse mackerel	<i>Trachurus capensis</i>	Namibia, South Africa	75	82	349	584	516	470	407	482	399	424	354	386	M/F
Cunene horse mackerel	<i>Trachurus trecae</i>	Angola	66	124	170	94	86	78	87	46	82	70	47	45	O
Other Miscellaneous pelagic fishes			41	88	125	91	15	5	12	7	5	8	13	9	
37-Miscellaneous pelagic fishes			182	294	644	769	617	553	506	535	486	502	414	440	
39-Marine fishes not identified			105	90	97	98	69	91	107	60	61	48	91	99	
Geryons nei	<i>Geryon spp</i>	Namibia, Japan	0	0	3	6	6	5	3	4	4	6	4	4	F
Other Sea-spiders, crabs, etc.			0	0	0	0	0	0	0	1	1	1	1	1	
42-Sea-spiders, crabs, etc.			0	0	3	6	6	5	3	5	5	7	5	5	
Cape rock lobster	<i>Jasus lalandii</i>	South Africa, Namibia	20	16	9	7	2	2	2	2	2	2	2	3	O/R
Southern spiny lobster	<i>Palinurus gilchristi</i>	South Africa	0	0	1	1	1	1	1	1	0	0	1	1	O
Other Lobsters, spinyrock lobsters			0	1	1	0	0	0	0	0	0	0	0	0	
43-Lobsters, spinyrock lobsters			20	17	11	8	3	3	3	3	2	2	3	4	
45-Shrimps, prawns, etc.			0	0	6	5	6	6	5	17	6	10	13	6	F
Perlemoen abalone	<i>Haliotis midae</i>	South Africa	0	2	1	1	1	1	0	1	0	0	1	1	O
52-Abalones, winkles, conchs, etc.			0	2	1	1	1	1	0	1	0	0	1	1	
53-Oysters			0	0	0	0	0	0	0	0	0	0	0	0	
Cape Hope squid	<i>Loligo reynaudi</i>	South Africa	0	0	1	4	6	8	4	7	7	6	3	7	F/O
Other Squid, Cuttlefish, octopuses			0	0	4	8	1	0	0	1	1	1	1	2	
57-Squid, Cuttlefish, octopuses			0	0	5	12	7	8	4	8	8	7	4	9	
Total selected species groups			843	2 042	2 750	2 308	1 548	1 320	1 345	1 528	1 517	1 620	1 628	1 676	
Total other species groups			4	8	10	10	9	5	10	9	12	14	20	25	
Total marine capture			847	2 050	2 760	2 318	1 557	1 325	1 355	1 537	1 529	1 634	1 648	1 701	
Total aquaculture			0	0	0	0	3	2	3	3	3	2	3	3	
Total production			847	2 050	2 760	2 318	1 560	1 327	1 358	1 540	1 532	1 636	1 651	1 704	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D8 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Western Indian Ocean (FAO Statistical Area 51), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes										State of exploitation [*]		
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000		2001	2002
Bombay-duck	<i>Harpadon nehereus</i>	India	67	83	108	100	146	159	188	145	147	133	141	100	F
Croakers, drums nei	<i>Sciaenidae</i>	India, Pakistan	29	29	70	134	271	275	300	257	310	262	238	265	?
Emperors(=Scavengers) nei	<i>Lethrinidae</i>	Untd Arab Em, Saudi Arabia, Tanzania,	3	11	17	27	44	44	45	47	49	60	64	65	F/O
Lizardfishes nei	<i>Synodontidae</i>	Egypt, Eritrea, India	1	3	5	8	20	21	17	20	21	18	12	12	?
Mulletts nei	<i>Mugilidae</i>	Pakistan, India, Egypt	0	1	6	10	23	27	30	28	24	21	22	22	?
Sea catfishes nei	<i>Ariidae</i>	India, Pakistan	26	29	56	49	75	80	90	96	95	77	86	87	?
Other Miscellaneous costal fishes			20	42	67	109	171	215	186	184	202	235	236	267	?
33-Miscellaneous costal fishes			146	198	329	437	750	821	856	777	848	806	799	818	
Demersal percomorphs nei	<i>Perciformes</i>	Oman, Yemen, Kenya	9	15	26	25	16	14	15	22	16	13	16	21	F
Hairtails, scabbardfishes nei	<i>Trichiuridae</i>	India, Oman	23	15	29	42	61	53	148	70	102	110	91	129	
Largehead hairtail	<i>Trichiurus lepturus</i>	Pakistan	0	0	0	4	9	9	12	12	32	29	27	28	
Other Miscellaneous demersal fishes			26	5	13	10	16	14	14	12	17	16	20	16	?
34-Miscellaneous demersal fishes			58	35	68	81	102	90	189	116	167	168	154	194	
Anchovies, etc. nei	<i>Engraulidae</i>	India, Pakistan	14	15	36	51	80	84	86	83	71	76	79	81	?
Clupeoids nei	<i>Clupeoidei</i>	India, Pakistan, Iran	28	37	32	47	98	90	104	106	104	77	76	71	?
Dorab wolf-herring	<i>Chirocentrus dorab</i>	Pakistan	0	0	2	4	1	2	2	2	3	3	3	3	?
Indian oil sardine	<i>Sardinella longiceps</i>	India, Oman, Pakistan	64	215	202	241	189	152	197	184	183	353	383	390	?
Sardinellas nei	<i>Sardinella spp</i>	Tanzania, Egypt, Untd Arab Em	3	7	16	17	21	31	21	20	30	28	25	24	?
Stolephorus anchovies	<i>Stolephorus spp</i>	Untd Arab Em	2	4	7	8	9	10	10	10	11	3	4	6	?
Wolf-herrings nei	<i>Chirocentrus spp</i>	India	2	5	6	11	10	6	12	10	5	7	8	12	?
Other Herrings, sardines, anchovies			0	0	0	0	0	0	0	0	2	0	0	0	
35-Herrings, sardines, anchovies			113	283	301	379	408	375	432	415	408	547	578	587	
Bigeye tuna	<i>Thunnus obesus</i>	China,Taiwan p. China, Other nei, Spain,	2	11	16	33	65	73	86	85	95	95	88	92	?F
Kawakawa	<i>Euthynnus affinis</i>	Iran, Maldives, Oman, India	0	0	2	20	33	30	39	34	38	41	38	26	?
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	India, Madagascar, Iran, Pakistan	5	10	11	47	66	64	67	70	67	72	65	79	F-O
Skipjack tuna	<i>Katsuwonus pelamis</i>	Maldives, Spain, France, Other nei	9	13	23	90	234	227	229	227	313	302	300	396	M?
Tuna-like fishes nei	<i>Scombroidei</i>	India, Pakistan, Mozambique, Saudi Arabia	1	5	14	13	20	9	10	18	14	10	10	13	
Yellowfin tuna	<i>Thunnus albacares</i>	Spain, France, Other nei, Iran	13	27	22	86	222	257	229	197	232	232	221	243	?F
Other Tunas, bonitos, billfishes, etc.			9	36	46	69	124	137	139	151	153	163	141	149	
36-Tunas, bonitos, billfishes, etc.			39	102	134	358	764	797	799	782	912	919	863	998	
Barracudas nei	<i>Sphyraena spp</i>	Pakistan, Oman, Yemen, India	1	2	4	9	16	15	14	21	22	12	11	15	?
Butterfishes, pomfrets nei	<i>Stromateidae</i>	India, Pakistan	13	18	25	32	27	23	22	19	20	14	13	23	?
Carangids nei	<i>Carangidae</i>	India, Pakistan, Oman, Saudi Arabia	2	7	18	37	58	67	67	59	61	43	40	59	?
Chub mackerel	<i>Scomber japonicus</i>	Egypt	0	0	0	0	1	2	2	1	0	4	3	2	?
Indian mackerel	<i>Rastrelliger kanagurta</i>	India, Tanzania, Oman, Egypt	72	52	93	63	160	282	173	157	153	77	47	55	?
Indian mackerels nei	<i>Rastrelliger spp</i>	Comoros, Seychelles	0	1	1	11	1	0	0	0	0	0	0	0	?
Jacks, crevalles nei	<i>Caranx spp</i>	India, Pakistan, Untd Arab Em	10	11	14	18	66	65	50	70	71	38	45	34	?
Mackerels nei	<i>Scombridae</i>	Mauritius, Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	?
Pelagic percomorphs nei	<i>Perciformes</i>	Yemen, Oman	50	68	165	99	69	65	64	74	85	70	85	98	?
Pompanos nei	<i>Trachinotus spp</i>	India	0	0	0	3	16	6	4	3	2	0	0	0	?
Other Miscellaneous pelagic fishes			1	11	25	24	32	30	30	34	34	31	32	36	
37-Miscellaneous pelagic fishes			149	170	345	296	446	555	426	438	448	289	276	322	
39-Marine fishes not identified			71	111	231	452	678	611	661	632	663	634	741	699	
Indian white prawn	<i>Penaeus indicus</i>		0	0	0	1	0	0	0	0	0	0	0	0	F
Jack-knife shrimp	<i>Haliporoides sibogae</i>		0	0	0	1	0	0	0	0	0	0	0	0	F
Knife shrimp	<i>Haliporoides triarthrus</i>	Mozambique	0	0	0	2	2	2	2	2	2	2	2	1	F
Natantian decapods nei	<i>Natantia</i>	India, Madagascar	96	82	184	174	123	136	115	121	111	120	146	128	F-O*
Penaeus shrimps nei	<i>Penaeus spp</i>	Mozambique, Pakistan, Saudi Arabia, Yemen	5	11	17	22	21	26	26	25	21	25	24	23	F
Other Shrimps, prawns, etc.			0	9	16	35	153	134	131	189	189	165	119	130	
45-Shrimps, prawns, etc.			101	102	217	235	299	298	274	337	323	312	291	282	
Total selected species groups			678	1 004	1 630	2 237	3 448	3 547	3 644	3 502	3 774	3 674	3 704	3 903	
Total other species groups			47	84	149	148	279	350	339	296	293	322	277	340	
Total marine capture			725	1 088	1 779	2 385	3 727	3 897	3 983	3 798	4 067	3 996	3 981	4 243	
Total aquaculture			0	0	0	4	16	16	17	18	20	25	30	44	
Total production			725	1 088	1 779	2 389	3 743	3 913	4 000	3 816	4 087	4 021	4 011	4 287	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D9 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Eastern Indian Ocean (FAO Statistical Area 57), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation ^a
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	
Chacunda gizzard shad	<i>Anodontostoma chacunda</i>	Malaysia	0	0	1	2	2	2	2	1	3	3	2	M
Diadromous clupeoids nei	<i>Clupeoidei</i>	Malaysia	0	0	0	0	0	0	0	0	0	0	0	
Hilsa shad	<i>Tenualosa ilisha</i>	Bangladesh	0	0	0	53	126	135	131	124	141	140	155	F
Indian pellona	<i>Pellona ditchela</i>	Malaysia	0	0	0	3	7	11	11	6	4	7	7	
Kelee shad	<i>Hilsa kelee</i>	India	2	5	9	18	40	48	48	48	41	44	45	F
Toli shad	<i>Tenualosa toli</i>	Indonesia	0	0	0	0	0	0	0	1	1	1	1	
24-Shads, etc.			2	5	10	76	175	196	192	180	190	195	211	206
Croakers, drums nei	<i>Sciaenidae</i>	India, Thailand, Indonesia, Malaysia	18	12	33	46	72	93	87	92	81	80	80	F-O
Mullets nei	<i>Mugilidae</i>	Indonesia, India, Thailand, Malaysia	3	4	6	17	26	24	24	24	25	30	28	26
Percoids nei	<i>Percoidae</i>	India	4	5	9	24	29	27	29	10	36	36	38	29
Ponyfishes(=Slipmouths) nei	<i>Leiognathidae</i>	India, Indonesia	11	18	32	41	62	74	72	58	69	62	65	F-O
Sea catfishes nei	<i>Ariidae</i>	India, Indonesia, Malaysia	7	9	23	34	59	61	59	53	64	65	68	F
Threadfin breams nei	<i>Nemipterus spp</i>	Thailand, Indonesia, Malaysia	0	1	6	12	36	42	41	55	41	44	40	F
Other Miscellaneous costal fishes			12	19	42	66	154	168	173	218	198	192	196	205
33-Miscellaneous costal fishes			55	68	151	240	438	489	485	510	514	509	515	507
Hairtails, scabbardfishes nei	<i>Trichiuridae</i>	Indonesia, India	19	13	27	31	28	28	32	35	42	38	29	M-F
Largehead hairtail	<i>Trichiurus lepturus</i>	Thailand, Malaysia	0	0	2	3	12	14	16	30	16	11	13	M-F
Snoek	<i>Thyrsites atun</i>	Australia	2	2	1	0	0	0	0	0	0	0	0	
Other Miscellaneous demersal fishes			8	11	16	18	26	24	23	28	36	35	34	34
34-Miscellaneous demersal fishes			29	26	46	52	66	66	71	93	94	84	76	77
Anchovies, etc. nei	<i>Engraulidae</i>	Thailand, India	13	18	19	29	49	54	52	48	46	40	46	F
Clupeoids nei	<i>Clupeoidei</i>	Sri Lanka, India, Australia	39	56	70	71	76	90	88	86	89	97	102	
Indian oil sardine	<i>Sardinella longiceps</i>	India	0	0	27	56	60	71	92	63	25	50	55	F
Sardinellas nei	<i>Sardinella spp</i>	Thailand	0	0	2	24	41	53	51	57	54	42	47	F
Stolephorus anchovies	<i>Stolephorus spp</i>	Indonesia, Malaysia	9	17	32	58	71	75	81	85	78	75	78	F-O
Other Herrings, sardines, anchovies			4	6	28	67	112	94	132	150	104	98	108	M
35-Herrings, sardines, anchovies			65	97	178	305	409	437	498	491	393	394	431	407
Kawakawa	<i>Euthynnus affinis</i>	Malaysia, India, Thailand, Sri Lanka	0	1	2	8	22	28	29	28	16	21	19	F
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	India, Indonesia	1	4	7	13	22	27	26	31	41	34	34	M
Seerfishes nei	<i>Scomberomorus spp</i>	Thailand, Malaysia	3	6	13	9	10	10	11	11	9	8	8	
Skipjack tuna	<i>Katsuwonus pelamis</i>	Indonesia, Sri Lanka	9	16	17	34	70	72	84	102	109	106	109	M-F
Tuna-like fishes nei	<i>Scombroidei</i>	Indonesia	3	9	20	44	63	76	78	76	82	86	71	
Yellowfin tuna	<i>Thunnus albacares</i>	Indonesia, Sri Lanka, China, Taiwan p. China	10	15	14	19	50	64	77	86	91	69	57	M
Other Tunas, bonitos, billfishes, etc.			20	40	37	67	121	165	171	174	168	148	126	F
36-Tunas, bonitos, billfishes, etc.			46	91	110	194	358	442	476	508	516	472	424	447
Butterfishes, pomfrets nei	<i>Stromateidae</i>	India	3	4	7	18	20	18	19	18	16	15	16	F
Carangids nei	<i>Carangidae</i>	Indonesia, Sri Lanka, India, Thailand	2	8	16	33	49	47	47	54	54	58	56	60
Indian mackerel	<i>Rastrelliger kanagurta</i>	Thailand, India	6	4	12	19	47	50	56	66	62	30	33	M-F
Indian mackerels nei	<i>Rastrelliger spp</i>	Indonesia, Malaysia, Thailand	15	32	40	104	172	189	184	195	192	173	182	F-O
Indian scad	<i>Decapterus russelli</i>	Thailand, Malaysia	4	5	7	20	34	41	38	41	37	30	33	F
Jacks, crevalles nei	<i>Caranx spp</i>	India, Indonesia, Malaysia	9	10	12	24	28	32	31	30	28	33	33	F
Scads nei	<i>Decapterus spp</i>	Indonesia	1	1	5	22	36	36	34	39	42	42	43	F-O
Torpedo scad	<i>Megalaspis cordyla</i>	Thailand, Indonesia, Malaysia	2	3	7	14	26	30	30	32	27	24	23	
Other Miscellaneous pelagic fishes			3	11	33	54	84	101	100	109	102	100	96	104
37-Miscellaneous pelagic fishes			45	78	139	308	496	544	539	584	560	505	515	532
Rays, stingrays, mantas nei	<i>Rajiformes</i>	Indonesia, Thailand, Malaysia	1	3	6	11	19	19	21	25	22	22	22	M-F
Silky shark	<i>Carcharhinus falciformis</i>	Sri Lanka	0	8	10	13	19	21	15	21	21	14	16	M-F
Other Sharks, rays, chimaeras, etc.			16	24	37	51	71	77	75	81	78	83	78	73
38-Sharks, rays, chimaeras, etc.			17	35	53	75	109	117	111	127	121	119	116	116
Marine fishes nei	<i>Osteichthyes</i>	Myanmar, India, Thailand, Bangladesh	217	413	685	1 065	1 510	1 351	1 504	1 693	1 661	1 882	1 999	M-F
39-Marine fishes not identified			217	413	685	1 065	1 510	1 351	1 504	1 693	1 661	1 882	1 999	2 231

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Banana prawn	<i>Penaeus merguensis</i>	Indonesia, Thailand	2	4	6	9	13	17	16	15	15	15	15	15	F-O
Giant tiger prawn	<i>Penaeus monodon</i>	India, Indonesia	1	2	1	6	41	45	50	46	64	67	68	56	F-O
Natantian decapods nei	<i>Natantia</i>	Malaysia, Myanmar, Indonesia, India	22	30	69	99	105	105	114	78	111	119	110	105	
Penaeus shrimps nei	<i>Penaeus spp</i>	Thailand, Australia	1	3	9	12	17	18	18	16	18	16	16	15	F
Sergestid shrimps nei	<i>Sergestidae</i>	Malaysia, Thailand	0	0	1	13	13	18	16	11	9	10	9	8	M-F
Other Shrimps, prawns, etc.			3	5	7	7	12	15	18	16	18	13	16	17	
45-Shrimps, prawns, etc.			29	44	93	146	201	218	232	182	235	240	234	216	
Cephalopods nei	<i>Cephalopoda</i>	India	0	0	1	11	10	11	9	9	9	10	9	11	
Common squids nei	<i>Loligo spp</i>	Thailand, Indonesia	0	1	4	9	24	31	32	35	31	31	34	37	M-F
Cuttlefish,bobtail squids nei	<i>Sepiidae, Sepiolidae</i>	Thailand, Malaysia, Indonesia	1	1	7	9	28	36	36	37	37	41	39	41	M-F
Octopuses, etc. nei	<i>Octopodidae</i>	Thailand, Malaysia	0	0	0	1	9	12	12	16	14	14	14	14	M
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Malaysia, Australia	0	0	2	11	17	15	21	18	21	30	24	23	
57-Squid, Cuttlefish, octopuses			1	2	14	41	88	105	110	115	112	126	120	126	
Total selected species groups			510	864	1 483	2 505	3 850	3 964	4 217	4 489	4 392	4 534	4 646	4 866	
Total other species groups			12	33	65	168	200	226	242	211	256	251	231	234	
Total marine capture			522	897	1 548	2 673	4 050	4 190	4 459	4 700	4 648	4 785	4 877	5 100	
Total aquaculture			5	20	58	117	327	377	370	403	409	410	432	432	
Total production			527	917	1 606	2 790	4 377	4 567	4 829	5 103	5 057	5 195	5 309	5 532	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D10 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Northwest Pacific (FAO Statistical Area 61), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation [*]	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Chum(=Keta=Dog)salmon	<i>Oncorhynchus keta</i>	Japan, Russian Fed	83	65	84	149	226	297	267	209	191	173	226	224	F
Pink(=Humpback)salmon	<i>Oncorhynchus gorbusha</i>	Russian Fed, Japan	132	93	96	95	155	134	184	201	175	158	159	124	F
Other Salmon, trouts, smelts, etc.			43	48	34	19	18	24	21	18	14	20	17	24	F
23-Salmons, trouts, smelts, etc.			258	206	214	263	399	455	472	428	380	351	402	372	
Alaska pollock(=Walleye poll.)	<i>Theragra chalcogramma</i>	Russian Fed, Japan, Korea D P Rp	199	882	3 289	4 298	3 261	3 354	3 345	2 821	2 221	1 755	1 701	1 136	F
Pacific cod	<i>Gadus macrocephalus</i>	Russian Fed, Japan, Korea Rep	45	71	82	180	167	154	142	158	164	130	116	99	F
Other Cods, hakes, haddocks, etc.			13	20	46	65	44	21	29	51	78	76	68	73	F
32-Cods, hakes, haddocks, etc.			257	973	3 417	4 543	3 472	3 529	3 516	3 030	2 463	1 961	1 885	1 308	
Yellow croaker	<i>Larimichthys polyactis</i>	China	93	115	69	50	159	280	167	208	258	302	254	272	F
Other Miscellaneous costal fishes			461	603	1 006	1 115	1 185	1 292	1 456	1 426	1 357	1 421	1 388	1 317	F
33-Miscellaneous costal fishes			554	718	1 075	1 165	1 344	1 572	1 623	1 634	1 615	1 723	1 642	1 589	
Largehead hairtail	<i>Trichiurus lepturus</i>	China	342	505	622	617	1 002	1 185	1 112	1 328	1 322	1 397	1 388	1 371	F-O
Other Miscellaneous demersal fishes			88	142	170	132	227	284	326	315	299	324	349		
34-Miscellaneous demersal fishes			430	647	792	749	1 229	1 469	1 395	1 654	1 637	1 696	1 712	1 720	
Japanese anchovy	<i>Engraulis japonicus</i>	China, Japan, Korea Rep	364	417	398	343	1 144	1 254	1 667	2 094	1 820	1 726	1 837	1 854	F
Japanese pilchard	<i>Sardinops melanostictus</i>	China, Japan	228	47	795	4 560	1 650	431	418	296	515	306	339	237	M
Pacific herring	<i>Clupea pallasii</i>	Russian Fed, China	304	367	357	176	205	181	344	433	401	394	341	255	
Other Herrings, sardines, anchovies			93	98	128	146	134	125	128	110	121	110	98	97	
35-Herrings, sardines, anchovies			989	929	1 678	5 225	3 133	1 991	2 557	2 933	2 857	2 536	2 615	2 443	
36-Tunas, bonitos, billfishes, etc.			247	368	398	460	654	570	749	923	961	916	847	858	
Chub mackerel	<i>Scomber japonicus</i>	China, Japan, Korea Rep	338	717	1 672	1 272	1 056	1 604	1 466	1 105	1 007	872	985	871	F
Japanese jack mackerel	<i>Trachurus japonicus</i>	Japan, Korea Rep	229	455	154	148	304	349	351	341	227	272	236	230	F
Pacific saury	<i>Cololabis saira</i>	Japan, Russian Fed, China,Taiwan p. China	372	341	309	261	334	276	389	181	187	305	376	335	F
Other Miscellaneous pelagic fishes			107	142	211	521	862	1 038	958	1 048	1 044	1 021	1 068	1 151	F
37-Miscellaneous pelagic fishes			1 046	1 655	2 346	2 202	2 556	3 267	3 164	2 675	2 465	2 470	2 665	2 587	
38-Sharks, rays, chimaeras, etc.			117	87	92	68	42	31	37	34	57	55	36	40	
39-Marine fishes not identified			1 239	2 045	2 922	3 328	4 321	5 148	4 853	4 967	5 010	4 689	4 204	4 122	?
Gazami crab	<i>Portunus trituberculatus</i>	China, Korea Rep	3	2	14	64	230	303	253	284	285	351	350	369	
Other Sea-spiders, crabs, etc.			21	42	76	99	137	186	179	158	151	150	150	138	F
42-Sea-spiders, crabs, etc.			24	44	90	163	367	489	432	442	436	501	500	507	
Akiami paste shrimp	<i>Acetes japonicus</i>	China	78	99	92	189	391	461	496	587	599	639	577	586	
Other Shrimps, prawns, etc.			51	99	167	254	320	317	337	345	550	480	412	396	
45-Shrimps, prawns, etc.			129	198	259	443	711	778	833	932	1 149	1 119	989	982	
Yesso scallop	<i>Patinopecten yessoensis</i>	Japan	16	10	35	128	253	276	267	294	306	310	293	310	
55-Scallops, penctens, etc.			16	10	35	128	253	276	267	294	306	310	293	310	
Japanese carpet shell	<i>Ruditapes philippinarum</i>	Japan, Korea Rep	70	127	144	141	67	56	57	51	57	57	51	49	
Other Clams, cockles, arkshells, etc.			121	175	166	145	120	126	88	104	88	75	68	67	
56-Clams, cockles, arkshells, etc.			191	302	310	286	187	182	145	155	145	132	119	116	
Japanese flying squid	<i>Todarodes pacificus</i>	Japan, Korea Rep	429	537	371	267	503	716	603	379	498	570	529	504	M (R)
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	China, Russian Fed, Japan	51	62	141	273	198	176	148	251	263	260	190	209	F
Other Squid, Cuttlefish, octopuses			76	111	138	198	288	274	403	405	358	392	420	418	
57-Squid, Cuttlefish, octopuses			556	710	650	738	989	1 166	1 154	1 035	1 119	1 222	1 139	1 131	
Total selected species groups			6 052	8 892	14 276	19 765	19 661	20 921	21 195	21 143	20 600	19 682	19 053	18 086	
Total other species groups			602	964	912	1 179	2 590	2 621	3 491	3 672	3 531	3 522	3 498	3 350	
Total marine capture			6 654	9 856	15 188	20 944	22 251	23 542	24 686	24 815	24 131	23 204	22 551	21 436	
Total aquaculture			210	435	888	1 988	6 472	8 002	8 229	8 752	9 717	10 547	11 286	12 064	
Total production			6 864	10 291	16 076	22 932	28 723	31 544	32 915	33 567	33 848	33 751	33 837	33 500	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D11 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups
fished in the Northeast Pacific (FAO Statistical Area 67), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes												State of exploitation *
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Chinook(=Spring=King)salmon	<i>Oncorhynchus tshawytscha</i>	USA, Canada	17	15	20	17	9	6	7	6	4	5	7	10	F-O
Chum(=Keta=Dog)salmon	<i>Oncorhynchus keta</i>	USA, Canada	48	29	38	57	71	87	55	78	70	76	58	63	F
Coho(=Silver)salmon	<i>Oncorhynchus kisutch</i>	USA	24	25	26	28	24	21	11	15	13	15	17	18	F-O
Pink(=Humpback)salmon	<i>Oncorhynchus gorbuscha</i>	USA, Canada	65	75	66	140	162	149	115	155	183	102	184	125	F
Sockeye(=Red)salmon	<i>Oncorhynchus nerka</i>	USA, Canada	48	52	58	126	151	160	113	63	112	103	83	72	F
Other Salmon, trouts, smelts, etc.			1	1	1	1	0	0	1	0	0	0	0	0	
23-Salmons, trouts, smelts, etc.			203	197	209	369	417	423	302	317	382	301	349	288	
Pacific halibut	<i>Hippoglossus stenolepis</i>	USA, Canada	22	39	20	30	35	28	39	42	44	41	40	44	F
Yellowfin sole	<i>Limanda aspera</i>	USA	0	0	66	137	104	101	149	80	57	70	55	64	U
Other Flounders, halibuts, soles			25	117	142	131	100	88	84	75	73	94	77	82	
31-Flounders, halibuts, soles			47	156	228	298	239	217	272	197	174	205	172	190	
Alaska pollock(=Walleye poll.)	<i>Theragra chalcogramma</i>	USA	79	309	976	1 313	1 318	1 195	1 141	1 233	1 056	1 183	1 444	1 519	F
North Pacific hake	<i>Merluccius productus</i>	USA	0	60	166	150	171	195	227	228	217	206	172	130	U-D
Pacific cod	<i>Gadus macrocephalus</i>	USA	21	40	71	154	256	275	302	254	239	241	214	233	
Other Cods, hakes, haddocks, etc.			0	0	0	0	0	0	0	0	0	0	0	0	
32-Cods, hakes, haddocks, etc.			100	409	1 213	1 617	1 745	1 665	1 670	1 715	1 512	1 630	1 830	1 882	
33-Miscellaneous costal fishes			4	15	40	41	61	92	63	54	54	48	60	41	
Pacific herring	<i>Clupea pallasii</i>	USA, Canada	189	201	107	80	82	72	84	73	68	60	63	62	M-O
Other Herrings, sardines, anchovies			0	0	0	0	0	0	0	1	14	24	39		
35-Herrings, sardines, anchovies			189	201	107	80	82	72	84	73	69	74	87	101	
Chub mackerel	<i>Scomber japonicus</i>	USA	0	0	0	0	0	0	0	1	0	0	0	0	F
Other Miscellaneous pelagic fishes			0	0	1	0	0	0	0	1	0	0	0	0	
37-Miscellaneous pelagic fishes			0	0	1	0	0	0	0	2	0	0	0	0	
Dungeness crab	<i>Cancer magister</i>	USA, Canada	9	14	16	16	22	34	20	17	18	19	21	24	F
Pacific rock crab	<i>Cancer productus</i>	USA	0	0	0	0	0	0	0	0	0	0	0	0	F
Other Sea-spiders, crabs, etc.			3	10	42	48	94	32	54	114	84	16	12	15	F
42-Sea-spiders, crabs, etc.			12	24	58	64	116	66	74	131	102	35	33	39	
Pacific shrimps nei	<i>Pandalus spp., Pandalopsis spp</i>	USA	1	14	61	26	19	15	19	6	14	16	19	26	
Other Shrimps, prawns, etc.			0	1	1	2	5	9	5	5	4	4	4	4	F-O-D
45-Shrimps, prawns, etc.			1	15	62	28	24	24	24	11	18	20	23	30	
Total selected species groups			558	1 016	1 915	2 496	2 686	2 560	2 490	2 503	2 313	2 314	2 558	2 571	
Total other species groups			52	339	283	245	283	273	276	239	239	164	201	132	
Total marine capture			610	1 355	2 198	2 741	2 969	2 833	2 766	2 742	2 552	2 478	2 759	2 703	
Total aquaculture			41	33	28	37	71	68	68	82	93	97	135	142	
Total production			651	1 388	2 226	2 778	3 040	2 901	2 834	2 824	2 645	2 575	2 894	2 845	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D12 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Western Central Pacific (FAO Statistical Area 71), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Chacunda gizzard shad	<i>Anodontostoma chacunda</i>	Philippines, Malaysia	0	0	1	1	2	5	3	2	2	3	3	3	
Diadromous clupeoids nei	<i>Clupeioidi</i>	Malaysia	1	2	1	1	1	1	1	1	1	1	1	1	
Indian pellona	<i>Pellona ditchela</i>	Malaysia, Philippines	0	0	1	1	4	5	3	5	6	6	7	6	
Toli shad	<i>Tenualosa toli</i>	Indonesia	0	1	1	2	3	2	3	3	3	2	5	5	M-F
24-Shads, etc.			1	3	4	5	10	13	10	11	12	12	16	15	
Bigeyes nei	<i>Priacanthus spp</i>	Thailand, Indonesia	1	1	14	16	53	70	66	68	75	70	73	74	
Lizardfishes nei	<i>Synodontidae</i>	Thailand, Indonesia, Malaysia, Philippines	0	27	30	24	60	71	89	60	88	79	79	83	M-O
Mulletts nei	<i>Mugilidae</i>	Indonesia, Philippines, Thailand, Fiji Islands	6	9	21	35	48	47	49	50	53	51	50	50	M-F
Percoids nei	<i>Percoidei</i>	Philippines	142	28	35	36	38	38	22	31	45	21	22	25	
Ponyfishes(=Slipmouths) nei	<i>Leiognathidae</i>	Indonesia, Philippines	5	52	90	91	112	114	133	119	137	119	134	141	M-O
Sea catfishes nei	<i>Ariidae</i>	Indonesia, Malaysia, Thailand, Philippines	5	10	26	41	69	76	92	78	86	85	85	87	M
Threadfin breams nei	<i>Nemipterus spp</i>	Thailand, Philippines, Indonesia, Malaysia	2	27	69	79	133	142	137	144	161	154	148	175	M-F
Other Miscellaneous costal fishes			41	108	212	300	438	471	490	481	516	500	507	515	
33-Miscellaneous costal fishes			202	262	497	622	951	1 029	1 078	1 031	1 161	1 079	1 098	1 150	
Hairtails, scabbardfishes nei	<i>Trichiuridae</i>	Indonesia, Philippines	1	9	13	20	29	29	29	28	30	31	33	36	M-F
Largehead hairtail	<i>Trichiurus lepturus</i>	Thailand, Malaysia	0	1	7	6	9	7	13	13	19	17	13	9	M-F
Other Miscellaneous demersal fishes			2	3	9	14	7	6	6	8	7	7	8	9	
34-Miscellaneous demersal fishes			3	13	29	40	45	42	48	49	56	55	54	54	
Anchovies, etc. nei	<i>Engraulidae</i>	Thailand	0	0	18	58	118	122	117	121	103	117	122	123	F
Bali sardinella	<i>Sardinella lemuru</i>	Indonesia	7	12	24	42	66	59	66	62	55	58	66	68	F
Goldstripe sardinella	<i>Sardinella gibbosa</i>	Indonesia	13	23	42	91	126	127	131	143	128	135	146	149	M-F
Sardinellas nei	<i>Sardinella spp</i>	Philippines, Thailand	0	31	180	212	372	420	454	432	408	420	428	391	M-F
Stolephorus anchovies	<i>Stolephorus spp</i>	Indonesia, Philippines	52	72	120	181	189	183	205	184	186	201	230	207	F
Other Herrings, sardines, anchovies			13	30	79	78	95	103	97	110	118	98	102	98	
35-Herrings, sardines, anchovies			85	168	463	662	966	1 014	1 070	1 052	998	1 029	1 094	1 036	
Frigate and bullet tunas	<i>Auxis thazard, A.rochei</i>	Philippines, Thailand	0	3	35	96	126	108	126	124	134	131	132	183	F
Kawakawa	<i>Euthynnus affinis</i>	Malaysia, Philippines, Thailand	30	24	48	91	99	85	99	96	113	109	106	116	M
Skipjack tuna	<i>Katsuwonus pelamis</i>	China,Taiwan p. China, Indonesia, Korea	47	70	224	459	845	897	756	1 038	978	1 020	942	1 080	F
Tuna-like fishes nei	<i>Scombroidei</i>	Indonesia, Viet Nam	11	20	37	80	132	141	153	163	161	179	180	186	M
Yellowfin tuna	<i>Thunnus albacares</i>	Indonesia, Philippines, China	3	7	99	198	358	291	415	449	417	413	432	426	F
Other Tunas, bonitos, billfishes, etc.			34	49	96	176	221	177	210	231	247	250	253	291	M
36-Tunas, bonitos, billfishes, etc.			125	173	539	1 100	1 781	1 699	1 759	2 101	2 050	2 102	2 045	2 282	
Bigeye scad	<i>Selar crumenophthalmus</i>	Philippines, Thailand	4	27	46	35	57	68	76	87	92	100	107	128	M-F
Carangids nei	<i>Carangidae</i>	Indonesia, Philippines, Thailand	13	34	77	126	167	171	171	166	170	165	184	199	
Flyingfishes nei	<i>Exocoetidae</i>	Philippines, Indonesia	5	9	25	32	37	31	40	50	53	52	47	49	M
Indian mackerel	<i>Rastrelliger kanagurta</i>	Philippines, Thailand	0	0	52	70	86	68	74	72	81	78	86	96	
Indian mackerels nei	<i>Rastrelliger spp</i>	Indonesia, Thailand, Malaysia	73	119	122	188	238	236	243	263	286	285	283	287	F
Indian scad	<i>Decapterus russelli</i>	Malaysia, Thailand	5	6	52	47	92	104	112	98	118	147	131	135	F
Scads nei	<i>Decapterus spp</i>	Philippines, Indonesia	43	203	242	264	453	444	478	489	474	475	507	506	M-F
Short mackerel	<i>Rastrelliger brachysoma</i>	Philippines	0	21	26	25	25	25	23	23	26	27	28	33	M-F
Other Miscellaneous pelagic fishes			26	50	114	187	263	247	259	268	315	323	336	356	M-F
37-Miscellaneous pelagic fishes			169	469	756	974	1 418	1 394	1 476	1 516	1 615	1 652	1 709	1 789	
Rays, stingrays, mantas nei	<i>Rajiformes</i>	Indonesia, Malaysia, Thailand, Philippines	4	9	18	30	49	50	53	51	57	57	55	54	M-F
Sharks, rays, skates, etc. nei	<i>Elasmobranchii</i>	Indonesia, China,Taiwan p. China, Malaysia,	5	19	41	70	96	89	87	92	83	89	94	97	M-F
38-Sharks, rays, chimaeras, etc.			9	28	59	100	145	139	140	143	140	146	149	151	
Marine fishes nei	<i>Osteichthyes</i>	Viet Nam, Thailand, Indonesia, Malaysia	293	1 004	1 431	1 620	2 088	2 224	2 138	2 138	2 281	2 357	2 527	2 567	M-F
39-Marine fishes not identified			293	1 004	1 431	1 620	2 088	2 224	2 138	2 138	2 281	2 357	2 527	2 567	

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Banana prawn	<i>Penaeus merguensis</i>	Indonesia, Thailand, Australia	10	17	31	38	55	56	56	64	67	70	70	72	F
Giant tiger prawn	<i>Penaeus monodon</i>	Indonesia, Australia	5	8	10	10	19	19	22	27	31	39	40	46	F-O
Natantian decapods nei	<i>Natantia</i>	Indonesia, Viet Nam, Malaysia	18	36	93	109	178	200	210	183	213	204	221	227	
Penaeus shrimps nei	<i>Penaeus spp</i>	Thailand, Philippines, Australia	19	60	88	104	75	82	79	57	51	52	61	60	M-F
Sergestid shrimps nei	<i>Sergestidae</i>	Philippines, Thailand, Malaysia	0	0	20	37	39	44	33	33	34	25	35	30	M-F
Other Shrimps, prawns, etc.			2	3	20	25	34	34	41	51	43	53	48	50	
45-Shrimps, prawns, etc.			54	124	262	323	400	435	441	415	439	443	475	485	
Common squids nei	<i>Loligo spp</i>	Thailand, Indonesia, Philippines	7	13	66	105	149	138	153	146	141	144	155	174	M-F
Cuttlefish,bobtail squids nei	<i>Sepiidae, Sepiolidae</i>	Thailand, Malaysia, Indonesia	1	1	27	45	63	65	68	67	67	67	69	72	M-F
Octopuses, etc. nei	<i>Octopodidae</i>	Thailand, Philippines, Indonesia	0	0	5	12	23	25	23	27	21	19	23	23	M
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Malaysia, Korea Rep	0	0	1	7	23	24	23	24	25	27	27	34	
Other Squid, Cuttlefish, octopuses			4	4	8	10	70	92	92	103	110	180	130	130	
57-Squid, Cuttlefish, octopuses			12	18	107	179	328	344	359	367	364	437	404	433	
Total selected species groups			957	2 264	4 154	5 629	8 127	8 333	8 519	8 818	9 115	9 311	9 574	9 961	
Total other species groups			61	120	231	304	418	397	447	467	483	563	529	549	
Total marine capture			1 018	2 384	4 385	5 933	8 545	8 730	8 966	9 285	9 598	9 874	10 103	10 510	
Total aquaculture			23	39	73	149	463	480	436	487	606	660	640	539	
Total production			1 041	2 423	4 458	6 082	9 008	9 210	9 402	9 772	10 204	10 534	10 743	11 049	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D13 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups
fished in the Eastern Central Pacific (FAO Statistical Area 77), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation*	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
32-Cods, hakes, haddocks, etc.			0	0	4	1	0	0	1	0	0	0	1	1	?-U
33-Miscellaneous costal fishes			8	20	37	32	39	41	44	43	57	47	61	64	M-O
34-Miscellaneous demersal fishes			7	7	13	14	9	10	9	8	6	4	5	4	
California pilchard	<i>Sardinops caeruleus</i>	Mexico, USA	90	28	100	404	359	451	499	382	405	532	662	683	M-F
Californian anchovy	<i>Engraulis mordax</i>	USA, Mexico	16	23	165	207	11	14	8	2	11	19	20	9	M-F
Pacific anchoveta	<i>Cetengraulis mysticetus</i>	Panama	1	23	70	111	74	60	78	108	27	87	129	160	M-F
Pacific thread herring	<i>Opisthonema libertate</i>	Panama	0	7	18	17	33	33	26	49	39	64	29	48	M-F
Other Herrings, sardines, anchovies			2	0	3	10	6	5	10	3	4	5	5	7	
35-Herrings, sardines, anchovies			109	81	356	749	483	563	621	544	486	707	845	907	
Albacore	<i>Thunnus alalunga</i>	China,Taiwan p. China, Amer Samoa, Fr	17	15	18	25	19	19	23	26	29	26	31	32	
Bigeye tuna	<i>Thunnus obesus</i>	Japan, Korea Rep, China, USA	0	22	55	74	75	56	57	78	61	67	79	93	
Pacific bluefin tuna	<i>Thunnus orientalis</i>	Mexico	6	10	9	2	2	8	3	2	3	3	1	1	
Skipjack tuna	<i>Katsuwonus pelamis</i>	Spain, Guatemala, Mexico, Other nei	53	40	80	91	54	44	66	64	65	43	40	60	
Yellowfin tuna	<i>Thunnus albacares</i>	Mexico, Venezuela, Other nei	65	84	175	201	215	211	233	212	205	210	272	338	
Other Tunas, bonitos, billfishes, etc.			9	29	34	33	39	32	34	40	32	32	31	32	
36-Tunas, bonitos, billfishes, etc.			150	200	371	426	404	370	416	422	395	381	454	556	
Chub mackerel	<i>Scomber japonicus</i>	Mexico, USA	16	14	8	45	45	23	42	43	78	66	24	14	M
Pacific jack mackerel	<i>Trachurus symmetricus</i>	USA	32	32	23	15	2	2	1	1	1	1	4	1	U
Other Miscellaneous pelagic fishes			2	1	2	2	3	2	3	7	6	17	20	17	
37-Miscellaneous pelagic fishes			50	47	33	62	50	27	46	51	85	84	48	32	
39-Marine fishes not identified			14	63	108	131	207	213	181	160	115	126	135	130	
Dungeness crab	<i>Cancer magister</i>	USA	6	4	1	1	1	1	2	1	1	1	1	2	
Other Sea-spiders, crabs, etc.			1	0	0	2	7	14	11	8	7	12	12	9	
42-Sea-spiders, crabs, etc.			7	4	1	3	8	15	13	9	8	13	13	11	
45-Shrimps, prawns, etc.			51	70	64	75	63	72	72	67	68	60	53	51	F-O
53-Oysters			2	5	3	5	4	3	4	3	3	4	3	3	
Jumbo flying squid	<i>Dosidicus gigas</i>	Mexico	0	0	1	4	41	121	141	27	58	82	74	116	M-F
Octopuses, etc. nei	<i>Octopodidae</i>	Mexico, Costa Rica	0	0	0	0	1	1	1	1	1	1	1	1	
Opalescent inshore squid	<i>Loligo opalescens</i>	USA	0	0	0	0	16	0	71	3	91	118	86	73	M-F
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Korea Rep, Costa Rica	5	7	12	36	40	79	0	0	0	2	6	0	
57-Squid, Cuttlefish, octopuses			5	7	13	40	98	201	213	31	150	203	167	190	
Total selected species groups			404	505	1 005	1 540	1 371	1 523	1 627	1 339	1 373	1 632	1 786	1 953	
Total other species groups			33	36	42	81	86	97	77	69	73	87	74	84	
Total marine capture			437	541	1 047	1 621	1 457	1 620	1 704	1 408	1 446	1 719	1 860	2 037	
Total aquaculture			0	0	0	3	27	28	36	42	41	42	61	64	
Total production			437	541	1 047	1 624	1 484	1 648	1 740	1 450	1 487	1 761	1 921	2 101	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D14 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Southwest Pacific (FAO Statistical Area 81), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation*	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Blue grenadier	<i>Macruronus novaezelandiae</i>	New Zealand	0	0	27	98	261	198	283	320	275	275	250	212	M/F
Gadiformes nei	<i>Gadiformes</i>	Japan, Korea Rep	0	0	2	0	6	4	3	5	4	3	6	2	M
Red codling	<i>Pseudophycis bachus</i>	New Zealand	0	1	5	8	11	11	11	16	13	5	5	4	F
Southern blue whiting	<i>Micromesistius australis</i>	New Zealand, Japan	0	0	21	18	46	26	35	66	70	44	54	57	F
Southern hake	<i>Merluccius australis</i>	New Zealand, Korea Rep	0	0	0	1	10	9	11	18	19	16	15	14	F
Other Cods, hakes, haddocks, etc.			0	0	0	0	4	4	8	10	9	7	9	10	F
32-Cods, hakes, haddocks, etc.			0	1	55	125	338	252	351	435	390	350	339	299	
Mulletts nei	<i>Mugilidae</i>	Australia, New Zealand	2	3	3	5	5	5	5	5	4	4	5	5	?M
Silver seabream	<i>Pagrus auratus</i>	New Zealand, Australia	7	10	16	10	7	6	7	7	8	8	7	7	F
Other Miscellaneous costal fishes			6	5	7	14	15	14	14	10	15	14	14	15	F
33-Miscellaneous costal fishes			15	18	26	29	27	25	26	22	27	26	26	27	
Demersal percomorphs nei	<i>Perciformes</i>	Japan	0	0	14	25	6	4	4	4	3	3	2	1	?
Hairtails, scabbardfishes nei	<i>Trichiuridae</i>	Korea Rep	0	0	0	0	0	1	1	1	0	1	0	0	?
Orange roughy	<i>Hoplostethus atlanticus</i>	New Zealand	0	0	1	49	45	33	24	25	24	18	14	19	F/O
Oreo dories nei	<i>Oreosomatidae</i>	New Zealand	0	0	5	28	21	19	22	21	23	23	24	18	F/O
Pink cusk-eel	<i>Genypterus blacodes</i>	New Zealand, Korea Rep	0	0	1	3	17	13	24	23	23	24	20	22	?
Silver gemfish	<i>Rexea solandri</i>	New Zealand, Australia	0	0	1	5	4	2	2	2	1	1	1	1	F/O
Silver scabbardfish	<i>Lepidopus caudatus</i>	New Zealand	0	0	0	0	2	1	2	3	3	2	3	2	-
Snoek	<i>Thyrsites atun</i>	New Zealand, Ukraine	1	0	18	21	23	19	26	30	29	28	28	27	M
South Pacific breams nei	<i>Seriolella spp</i>	Ukraine	0	0	1	0	1	1	2	0	0	2	1	0	F
Other Miscellaneous demersal fishes			10	15	15	21	36	34	52	49	51	52	50	52	?M
34-Miscellaneous demersal fishes			11	15	56	152	155	127	159	158	157	154	143	142	
Barracudas nei	<i>Sphyræna spp</i>	Korea Rep	0	0	0	0	1	1	0	0	1	0	1	1	?M
Blue mackerel	<i>Scomber australasicus</i>	New Zealand, Ukraine	0	0	0	3	9	3	9	7	16	12	12	15	?
Butterfishes, pomfrets nei	<i>Stromateidae</i>	Japan	0	0	7	6	3	2	2	2	2	2	2	1	M
Greenback horse mackerel	<i>Trachurus declivis</i>	Ukraine	0	0	0	37	28	15	11	9	16	12	8	6	M
Jack and horse mackerels nei	<i>Trachurus spp</i>	New Zealand	0	0	13	19	39	31	36	38	36	23	29	32	M
Mackerels nei	<i>Scombridae</i>	Australia	0	0	0	0	0	0	0	0	0	1	0	1	?
White trevally	<i>Pseudocaranx dentex</i>	New Zealand, Australia	1	3	5	4	4	4	4	4	5	4	4	4	M
Other Miscellaneous pelagic fishes			0	3	3	3	2	1	1	0	1	0	1	1	M
37-Miscellaneous pelagic fishes			1	6	28	72	86	57	63	60	77	54	57	61	
Cuttlefish, bobtail squids nei	<i>Sepiidae, Sepiolidae</i>	Australia	0	0	0	0	0	0	0	0	0	0	0	0	
Octopuses, etc. nei	<i>Octopodidae</i>	Australia, New Zealand	0	0	0	0	1	0	1	1	1	0	1	0	M
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Korea Rep	0	0	20	36	27	19	19	14	12	10	12	17	M
Wellington flying squid	<i>Nototodarus sloani</i>	New Zealand, Ukraine	0	0	2	46	55	54	65	56	31	26	45	62	F
57-Squid, Cuttlefish, octopuses			0	0	22	82	83	73	85	71	44	36	58	79	
Total selected species groups			29	40	188	461	695	536	686	750	694	623	625	610	
Total other species groups			21	83	107	103	119	127	153	112	89	91	127	130	
Total marine capture			50	123	295	564	814	663	839	862	783	714	752	740	
Total aquaculture			6	8	11	21	75	88	90	106	106	102	93	106	
Total production			56	131	306	585	889	751	929	968	889	816	845	846	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D15 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups
fished in the Southeast Pacific (FAO Statistical Area 87), 1950-2002

Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes											State of exploitation *	
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001		2002
Patagonian grenadier	<i>Macrurus magellanicus</i>	Chile	0	0	1	74	199	379	71	354	310	91	161	132	F-O
South Pacific hake	<i>Merluccius gayi</i>	Chile, Peru	66	97	166	92	196	323	266	163	141	194	246	162	F-O-D
Southern hake	<i>Merluccius australis</i>	Chile	0	0	4	44	29	24	25	22	25	29	29	23	F-O
Other Cods, hakes, haddocks, etc.			0	0	6	7	20	25	30	27	31	25	23	25	
32-Cods, hakes, haddocks, etc.			66	97	177	217	444	751	392	566	507	339	459	342	
33-Miscellaneous costal fishes			17	26	35	56	55	51	52	61	64	54	48	53	
Patagonian toothfish	<i>Dissostichus eleginoides</i>	Chile	0	0	0	3	14	7	8	9	10	11	7	7	M
Other Miscellaneous demersal fishes			19	22	27	46	28	18	16	20	42	69	40	36	F-O
34-Miscellaneous demersal fishes			19	22	27	49	42	25	24	29	52	80	47	43	
Anchoveta(=Peruvian anchovy)	<i>Engraulis ringens</i>	Peru, Chile	345	8 166	4 605	2 147	7 059	8 864	7 685	1 729	8 723	11 276	7 213	9 703	R-O
Araucanian herring	<i>Strangomera bentincki</i>	Chile	14	58	81	47	403	447	441	318	782	723	325	347	F-O
Pacific thread herring	<i>Opisthonema libertate</i>	Ecuador	0	0	0	39	37	41	43	41	22	21	20	11	F
South American pilchard	<i>Sardinops sagax</i>	Chile, Peru, Ecuador	0	3	807	4 575	2 031	1 494	723	937	443	338	136	28	F-O
Other Herrings, sardines, anchovies			12	11	20	45	196	157	157	829	87	70	254	76	
35-Herrings, sardines, anchovies			371	8 238	5 513	6 853	9 726	11 003	9 049	3 854	10 057	12 428	7 948	10 165	
Bigeye tuna	<i>Thunnus obesus</i>	Ecuador, Japan, Other nei, Spain	0	3	7	13	29	46	49	30	36	67	47	43	
Eastern Pacific bonito	<i>Sarda chiliensis</i>	Peru	63	84	29	18	25	23	18	6	1	0	1	1	D-O
Skipjack tuna	<i>Katsuwonus pelamis</i>	Ecuador, Other nei, Spain	15	26	26	25	83	77	119	104	206	164	109	125	
Yellowfin tuna	<i>Thunnus albacares</i>	Ecuador, Venezuela, Other nei, Colombia	6	9	31	34	74	74	76	104	112	106	174	123	
Other Tunas, bonitos, billfishes, etc.			4	2	5	11	34	13	24	32	66	18	40	26	
36-Tunas, bonitos, billfishes, etc.			88	124	98	101	245	233	286	276	421	355	371	318	
Chilean jack mackerel	<i>Trachurus murphyi</i>	Chile, Peru	3	16	474	2 292	3 518	4 379	3 597	2 026	1 423	1 540	2 509	1 750	F-O
Chub mackerel	<i>Scomber japonicus</i>	Chile, Peru	5	16	315	306	339	275	610	518	676	255	627	393	M-F
Other Miscellaneous pelagic fishes			2	2	13	14	57	18	19	36	326	74	63	54	
37-Miscellaneous pelagic fishes			10	34	802	2 612	3 914	4 672	4 226	2 580	2 425	1 869	3 199	2 197	
Jumbo flying squid	<i>Dosidicus gigas</i>	Peru, Japan, China, Korea Rep	0	0	0	2	68	21	22	1	76	100	150	290	M
Various squids nei	<i>Loliginidae, Ommastrephidae</i>	Chile	0	1	0	0	5	0	0	0	0	0	4	6	M
Other Squid, Cuttlefish, octopuses			0	0	0	3	9	14	10	10	6	28	22	10	
57-Squid, Cuttlefish, octopuses			0	1	0	5	82	35	32	11	82	128	176	306	
Total selected species groups			571	8 547	6 658	9 894	14 511	16 772	14 064	7 378	13 612	15 258	12 247	13 427	
Total other species groups			57	127	250	337	388	296	333	656	564	547	406	338	
Total marine capture			628	8 674	6 908	10 231	14 899	17 068	14 397	8 034	14 176	15 805	12 653	13 765	
Total aquaculture			0	0	2	46	268	331	409	441	400	447	634	611	
Total production			628	8 674	6 910	10 277	15 167	17 399	14 806	8 475	14 576	16 252	13 287	14 376	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D16 - State of exploitation and annual nominal catches of selected species and ISSCAAP groups fished in the Southern Ocean (FAO Statistical Areas 48, 58 and 88), 1950-2002

AREA 48			thousand tonnes											State of	
Stock or species groups	Scientific name	Main fishing countries in 2002	1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	exploitation*
Antarctic rockcods, noties nei	<i>Nototheniidae</i>	UK	0	0	0	0	0	0	0	0	0	0	0	0	D
Humped rockcod	<i>Notothenia gibberifrons</i>	UK	0	0	4	5	0	0	0	0	0	0	0	0	
Marbled rockcod	<i>Notothenia rossii</i>	UK	0	11	54	5	0	0	0	0	0	0	0	0	
Other Miscellaneous costal fishes			0	0	1	1	0	0	0	0	0	0	0	0	
33-Miscellaneous costal fishes			0	11	59	11	0	0	0	0	0	0	0	0	
Blackfin icefish	<i>Chaenocephalus aceratus</i>	UK, Korea Rep	0	0	1	0	0	0	0	0	0	0	0	0	D
Lanternfishes nei	<i>Myctophidae</i>		0	0	0	5	0	0	0	0	0	0	0	0	U
Mackerel icefish	<i>Champscephalus gunnari</i>	Russian Fed, Korea Rep, UK, Poland	0	0	32	47	1	0	0	0	0	4	1	3	D
Patagonian toothfish	<i>Dissostichus eleginoides</i>	UK, Chile, Spain, Uruguay	0	0	0	1	3	4	4	3	4	5	4	6	F/O/D
South Georgia icefish	<i>Pseudochaenichthys georgianus</i>	UK, Korea Rep	0	0	2	1	0	0	0	0	0	0	0	0	
Other Miscellaneous demersal fishes			0	0	3	18	13	0	0	0	0	0	0	0	
34-Miscellaneous demersal fishes			0	0	38	72	17	4	4	3	4	9	5	9	
Antarctic krill	<i>Euphausia superba</i>	Japan, Ukraine, Poland, Korea Rep	0	0	48	304	160	91	76	90	102	114	104	126	U
46-Krill, planct. Crustaceans			0	0	48	304	160	91	76	90	102	114	104	126	
Total selected species groups			0	11	146	390	178	95	79	93	106	124	109	134	
Total other species groups			0	0	4	7	0	0	1	0	0	0	0	1	
Total marine capture			0	11	150	397	178	95	80	93	106	124	109	135	

AREA 58			thousand tonnes											Status	
Stock or species groups	Scientific name	Main fishing countries in 2002	1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	Status
Antarctic silverfish	<i>Pleuragramma antarcticum</i>		0	0	0	0	0	0	0	0	0	0	0	0	
Marbled rockcod	<i>Notothenia rossii</i>		0	0	27	3	0	0	0	0	0	0	0	0	
Other Miscellaneous costal fishes			0	0	16	7	0	0	0	0	0	0	0	0	R
33-Miscellaneous costal fishes			0	0	43	10	0	0	0	0	0	0	0	0	
Mackerel icefish	<i>Champscephalus gunnari</i>	Australia	0	0	14	10	2	0	0	0	0	0	1	1	D
Patagonian toothfish	<i>Dissostichus eleginoides</i>	France, Australia	0	0	0	1	6	6	9	10	10	11	9	6	F
Other Miscellaneous demersal fishes			0	0	0	1	0	0	0	0	0	0	0	0	
34-Miscellaneous demersal fishes			0	0	14	12	8	6	9	10	10	11	10	7	
Antarctic krill	<i>Euphausia superba</i>		0	0	14	58	4	0	0	0	0	0	0	0	U
46-Krill, planct. Crustaceans			0	0	14	58	4	0	0	0	0	0	0	0	
Total selected species groups			0	0	71	81	13	6	9	10	10	12	10	7	
Total other species groups			0	0	2	0	0	0	0	0	0	0	0	1	
Total marine capture			0	0	73	81	13	6	9	10	10	12	10	8	

AREA 88			thousand tonnes											Status	
Stock or species groups	Scientific name	Main fishing countries in 2002	1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	Status
Lanternfishes nei	<i>Myctophidae</i>		0	0	0	0	0	0	0	0	0	0	0	0	U
Other Miscellaneous demersal fishes			0	0	0	0	0	0	0	0	0	1	1	1	
34-Miscellaneous demersal fishes			0	0	0	0	0	0	0	0	0	1	1	1	
Antarctic krill	<i>Euphausia superba</i>		0	0	1	3	0	0	0	0	0	0	0	0	U
46-Krill, planct. Crustaceans			0	0	1	3	0	0	0	0	0	0	0	0	
Total selected species groups			0	0	1	4	0	0	0	0	0	1	1	1	
Total other species groups			0	0	0	0	0	0	0	0	0	0	0	1	
Total marine capture			0	0	1	4	0	0	0	0	0	1	1	2	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.

Table D17 - State of exploitation and annual nominal catches of tuna and tuna-like species in all Oceans, years 1950-2002

Atlantic Ocean (FAO statistical areas 21, 27, 31, 34, 37, 41, 47 and 48)															
Stock or species groups	Scientific name	Main fishing countries in 2002	thousand tonnes												State of exploitation *
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Albacore	<i>Thunnus alalunga</i>	Taiwan Pr. China, Spain, S. Africa	40	78	75	70	68	61	58	59	67	67	69	61	North: O, South: O, Med: ?
Atlantic bluefin tuna	<i>Thunnus thynnus</i>	France, Italy, Spain, Morocco	31	26	20	23	40	53	49	41	35	36	35	35	West: D, East: O
Bigeye tuna	<i>Thunnus obesus</i>	Spain, Taiwan Pr. China, Japan	4	24	53	67	107	122	103	112	122	107	101	79	O
Skipjack tuna	<i>Katsuwonus pelamis</i>	Ghana, Spain, Brazil, France	2	20	80	126	157	142	141	146	161	138	153	118	West: M-F, East: ?F
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Japan, Taiwan Pr. China, S. Africa	0	0	7	5	2	2	0	2	2	2	3	1	D
Yellowfin tuna	<i>Thunnus albacares</i>	France, Spain, Ghana, Venezuela	19	68	105	144	153	147	133	147	139	129	156	135	East: F, West: F
Total: principal market tunas			96	216	340	435	527	527	484	507	526	479	518	429	
Billfishes			5	17	20	38	47	48	46	43	44	47	44	40	
Other tunas and tuna-like species			58	83	83	122	116	118	116	137	117	102	101	107	
Total: All tunas and tuna-like species			159	316	443	595	690	693	646	687	687	628	663	576	

Indian Ocean (FAO statistical areas 51, 57 and 58)															
Stock ou groupes d'espèces	Species	Main fishing countries in 2002	thousand tonnes												Status
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Albacore	<i>Thunnus alalunga</i>	Taiwan Pr. China, Indonesia, Japan	3	15	11	19	27	31	27	39	39	28	20	24	?F
Bigeye tuna	<i>Thunnus obesus</i>	Taiwan Pr. China, Indonesia, Spain	6	18	25	48	100	124	144	142	151	143	126	130	F-O
Skipjack tuna	<i>Katsuwonus pelamis</i>	Maldives, Spain, Indonesia, France	18	29	40	124	304	299	314	328	422	408	409	498	M
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Australia, Japan, Indonesia	11	27	24	25	10	12	13	14	15	12	12	12	D
Yellowfin tuna	<i>Thunnus albacares</i>	Spain, France, Indonesia	23	42	36	104	272	321	305	283	322	301	278	300	F
Total: principal market tunas			61	131	136	320	713	787	803	806	949	892	845	964	
Billfishes			2	5	4	13	47	59	67	73	67	69	61	60	
Other tunas and tuna-like species			22	56	103	218	362	392	404	412	411	429	382	421	
Total: All tunas and tuna-like species			85	192	243	551	1 122	1 238	1 274	1 291	1 427	1 390	1 288	1 445	

Pacific Ocean (FAO statistical areas 61, 67, 71, 77, 81 and 87)															
Stock ou groupes d'espèces	Species	Main fishing countries in 2002	thousand tonnes												Status
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Albacore	<i>Thunnus alalunga</i>	Japan, Taiwan Pr. China, USA, Fidji	71	94	121	114	119	110	135	132	149	123	143	153	North: M, South: M
Bigeye tuna	<i>Thunnus obesus</i>	Japa, Taiwan Pr. China, Korea Rep.	34	81	105	123	151	132	161	164	158	181	182	221	East: F, West: F
Pacific bluefin tuna	<i>Thunnus thynnus</i>	Japan, Taiwan Pr. China, Mexico	13	21	19	15	9	16	11	8	17	16	9	9	O
Skipjack tuna	<i>Katsuwonus pelamis</i>	Taiwan Pr. China, Indonesia,	183	237	482	730	1 137	1 130	1 140	1 421	1 394	1 416	1 253	1 415	East: M, West: M
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Japan, New Zealand, Australia	4	20	13	5	3	2	2	2	3	2	2	2	D
Yellowfin tuna	<i>Thunnus albacares</i>	Mexico, Indonesia, Philippines	109	159	344	470	679	597	742	783	754	753	896	906	East: F, West: F
Total: principal market tunas			414	612	1 084	1 457	2 098	1 987	2 191	2 510	2 475	2 491	2 485	2 706	
Billfishes			26	50	45	44	55	44	53	68	61	53	50	58	
Other tunas and tuna-like species			175	258	348	630	973	888	1 019	1 198	1 325	1 262	1 235	1 302	
Total: All tunas and tuna-like species			615	920	1 477	2 131	3 126	2 919	3 263	3 776	3 861	3 806	3 770	4 066	

All Oceans															
Stock ou groupes d'espèces	Species	Main fishing countries in 2002	thousand tonnes												Status
			1950-59	1960-69	1970-79	1980-89	1990-99	1996	1997	1998	1999	2000	2001	2002	
Total: principal market tunas			571	959	1 560	2 212	3 338	3 301	3 478	3 823	3 950	3 862	3 848	4 099	
Billfishes			33	72	69	95	149	151	166	184	172	169	155	158	
Other tunas and tuna-like species			255	397	534	970	1 451	1 398	1 539	1 747	1 853	1 793	1 718	1 830	
Total: All tunas and tuna-like species			859	1 428	2 163	3 277	4 938	4 850	5 183	5 754	5 975	5 824	5 721	6 087	

* (U) Underexploited; (M) Moderately exploited; (F) Fully exploited; (O) Overexploited; (D) Depleted; (R) Recovering.