

12th MEETING OF THE SCIENTIFIC COMMITTEE

30 September to 05 October 2024, Lima, Peru

SC 12 - SQ 03

Update of Squid Datasets held by the Secretariat

Secretariat

1. Introduction

This paper identifies and describes jumbo flying squid datasets held by the SPRFMO Secretariat, including some simple measures of effort (number of vessels, fishing days). It is an update to paper [SC11-SQ01_rev1](#), Squid information held by the Secretariat, presented to the 11th Scientific Committee meeting in 2023.

- The SC is invited to check the catch and effort data contained in Table 1, Table 2, Table 3 and liaise with the Secretariat in cases where Secretariat-held data may not be correct.



2. Annual Catch Data

The annual catch data for jumbo flying squid, beginning in 2000, is shown in Table 1. Please refer to previous versions for historical catch information for the years prior to 2000 (e.g., SC10-SQ01_rev2).

Where possible, catches are based on Annual Catch submissions to the Secretariat and cross checked with the annual reports to the SC.

Notable exceptions include the SC8 recommendation that both the Japan and Ecuador catch figures prior to 2014 are updated using the information contained in the FAO database where other information is not available. Another exception concerns catches from within the Peruvian Area under National Jurisdiction. In this case the Secretariat does not receive data submissions as the catches occur outside the SPRFMO Area. Nevertheless these removals are still important for stock assessment purposes and Peru makes these catches available via a public source (<https://ogeiee.produce.gob.pe/index.php/en/tablero-bi>). Since 2020, this data has been harvested and included into this paper.

Readers should also be aware that this table does contain rare and minor catches from trawl vessels operating in the high seas.

Table 1: Annual catch weights (t) for jumbo flying squid (GIS) as submitted to the SPRFMO Secretariat (post 2000). Values greater than 1 have been rounded to the nearest whole number.

Year	Chile			China	Ecuador	EU		Japan		Korea			Panama	Peru		Chinese Taipei		Total
	FAO 87 Area	EEZ-CHL	FAO 87 High Seas	High Seas	FAO87	High Seas	FAO87	EEZ- other	FAO87	EEZ- PER	High Seas	FAO87	High Seas	EEZ- PER	High Seas	FAO87	High Seas	
2000		9						32 174	1 704	20 822				53 795		0		108 504
2001		3 476		17 770				71 069	1 132	5 797		0		71 834		0		171 078
2002		5 589		50 483				26 268	33 978	13 130		8 629		146 390		12 064		296 531
2003		15 191		81 000				22 549	4 510	1 681		3 041		153 727		23 009		304 708
2004		175 134		205 600				22 385	4 615	2 026		8 761		270 368		39 450		728 339
2005		296 953		86 000					1 633	2 519		0		291 140		15 976		694 221
2006		219 800		62 000		212			323	2 048		437		434 261		18 349		737 430
2007	124 389			46 400		121				0		0		427 591		14 750		613 251
2008	145 171			79 064		668				5 971		804		533 414		31 161		796 253
2009	56 337			70 000						7 221		0		411 805		12 319		557 682
2010	200 428			142 000					498	7 764		6 742		369 822		29 206		756 460
2011	163 450		45	250 000								7 410		404 730		35 418		861 053
2012	144 956		9	261 000		91						8 310		497 462		14 177		926 005
2013	105 905		22	264 000		2						6 034		451 061		7 759		834 783
2014	176 569		0	332 523								7 203		554 882	1 274	4 795		1 077 246
2015	143 716		0	323 636	1 500							4 263		513 492	304	10 072		996 983
2016	183 123		0	223 300			0					4 388	842	322 338	999	12 989		747 979
2017	155 389		0	296 100								3 460	289	290 933	5 068	7 338		758 577
2018	145 927		0	346 200								3 651		317 000	288	3 848		816 914
2019	58 042		0	305 670	1 750							5 578		526 902	0	2 085		900 027
2020	56 432		0	358 038	157							1 003		492 363	0	2 086		910 079
2021	55 330			421 971	1 896		4							517 710		665		997 576
2022	98 323			508 964	5 907									457 364				1 070 558
2023														621 925				621 925



3. Vessels

Table 2 shows the number of vessels that fished in the squid jigging fishery in the SPRFMO area by flag State and Year as determined from the Annual Reports presented at the SC.

Table 4 shows the number of fishing days conducted by squid jigging vessels from Annual Reports, where available.

Table 2: Number of active vessels by flag and year in the SPRFMO Area, participating in the squid fishery (from Annual Reports presented to Scientific Committee, where available).

Year	China	Korea	Panama	PERU	Chinese Taipei	Total
2000		14				14
2001	22	7				29
2002	43	17				60
2003	74	5				79
2004	119	8				127
2005	93	2				95
2006	43	1				44
2007	37				13	50
2008	50	1			13	64
2009	54	1			13	68
2010	104	1			20	125
2011	172	1			21	194
2012	254	6			14	274
2013	205	6			9	220
2014	264	6		14	5	289
2015	252	2		32	9	295
2016	276	4	2	98	11	391
2017	356	8	1	558	13	936
2018	435	17		44	14	510
2019	503	15			10	528
2020	557	13			5	575
2021	476				2	478
2022	464					464
2023	522					522

Table 3: Total number of squid fishing days by flag and year from Annual Reports presented to Scientific Committee.

Year	China	Korea	Chinese Taipei	Total
2014		397	474	871
2015	60 116	151	616	60 883
2016	62 258	409	1 880	64 547
2017	75 655	456	1 228	77 339
2018	85 862	1 003	1 396	88 261
2019	111 343	1 037	611	112 991
2020	119 306	212	817	120 335
2021	78 120		189	78 309
2022	96 246			96 246
2023	100 306			100 306