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Held virtually, 27 September to 2 October 2021

SC9-Doc22

Peru Annual Report - SPRFMO Area

Peru



INSTITUTO DEL MAR DEL PERU
IMARPE



PERÚ

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PRODUCE

South Pacific Regional Fisheries Management Organisation
9th Meeting of the Scientific Committee
Held virtually, 27 September - 3 October 2021

Peru National Report No. 1

**REPORT ON THE FISHING ACTIVITIES OF THE
PERUVIAN FLEET IN THE AREA OF
APPLICATION OF THE CONVENTION ON THE
CONSERVATION AND MANAGEMENT OF
HIGH SEAS FISHERY RESOURCES IN THE
SOUTH PACIFIC OCEAN,
PERIOD JANUARY 2020 – JUNE 2021**

by

IMARPE - PRODUCE

2021

SUMMARY

As of June 2021, there are 100 Peruvian vessels authorized and registered in the Commission record of vessels authorized to fish within the SPRFMO Convention area. A maximum annual catch of 40 516 t of *Trachurus murphyi* was reported in 2010 by the Peruvian fleet in the SPRFMO and fishing activities were significantly reduced thereafter. In 2014, up to 5 Peruvian multipurpose purse seine/traulers caught 2 556.9 t of *T. murphyi* and 1 190.0 t of *Dosidicus gigas* in the SPRFMO Convention area. This fleet of Peruvian larger multipurpose purse seine/trawl vessels has now been reduced to only 2 vessels. No Peruvian vessel has fished for *T. murphyi* in the SPRFMO Convention area since 2015. A total of 1 122.3 t of *Scomber japonicus* were caught by 5 Peruvian purse seiners in 2016. No Peruvian vessel has fished for *S. japonicus* in the SPRFMO Convention area since 2017. Two Peruvian scientific research vessels caught a total of 1.6 t of *D. gigas* in 2015 and one of them caught 1.0 t in 2018, while a variable number of small artisanal jigger vessels were reported to have occasionally fished for *D. gigas* in the SPRFMO Convention between 2014 and 2018. No fishing activities or sea going research activities by Peruvian flagged vessels directed to non-highly migratory species in the SPRFMO Convention area have been reported for the year 2020 and the first semester of 2021.

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1. INTRODUCTION

This report provides information on the Peruvian fishing and seagoing research activities directed to non-highly migratory species in the SPRFMO Convention area during the period January 2020 - June 2021. This updates information provided in previous reports (IMARPE-PRODUCE 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020) where details for previous years can be found.

2. DESCRIPTION OF THE FISHERIES

2.1. Fleet composition

As of June 2021, the Peruvian fleet authorized and registered in the Commission record of vessels authorized to fish within the area of application of the Convention on the Conservation and Management of High Seas Fishery Resources in the South Pacific Ocean (SPRFMO Convention area) added up to 100 vessels, including 93 purse seiners with an average hold capacity of 504 m³, 1 trawler/freezer with a hold capacity of 2 399 m³, 2 multipurpose vessels (purse seine/trawler) with an average hold capacity of 2 030 m³, 1 support tanker with a hold capacity of 10 339 m³ and 3 scientific fishery research vessels with no (0 m³) hold capacity (Table 1).

Table 1. Peruvian vessels registered and authorized to fish within the SPRFMO Convention area (as of 30 June 2021)

Number of vessels	Types of fishing vessels	Total hold capacity (m ³)	Average hold capacity (m ³)
93	Purse seine	46 894	504
1	Trawl/freezer	2 399	2 399
2	Purse seine/trawl	4 061	2 030
1	Tanker	10 339	10 339
3	Scientific fishery research	0	0

In accordance with the provisions in CMM 05-2019, during the period from January 2020 to June 2021, the Peruvian Government informed the SPRFMO that the Peruvian scientific research vessel B.A.P. CARRASCO, with registration number CO-52097-EM, IMO number 9770464 and gross tonnage of 5 716, had been authorized to operate in the high seas, within the area of application of the SPRFMO Convention, and it was included in the SPRFMO record of vessels on 16 November 2020.

No Peruvian flagged vessels have participated in fishing activities directed to non-highly migratory species in the SPRFMO Convention area between January 2020 and June 2021 (Table 2).

Table 2. Peruvian fleet that participated in fishing activities in the SPRFMO Convention area, by type of vessel and fishing gear with indication of their total hold capacity and total catch per year for the period January 2020 - June 2021

Year	Number of vessels	Type of vessel and fishing gear	Total hold capacity (m ³)	Average hold capacity (m ³)	Total catch (t)
2020	0	not applicable	0	0	0
2021*	0	not applicable	0	0	0

* January-June 2021 only

2.2. Catch and fishing activities

Annual catches of Jack mackerel (*Trachurus murphyi*), jumbo flying squid (*Dosidicus gigas*) and chub mackerel (*Scomber japonicus*) by Peruvian vessels that participated in fishing activities in the SPRFMO Convention area between January 2014 and June 2021 are shown in Table 3. The higher catches shown are those made by a small fleet of 5 larger (2 046 m³ average hold capacity) multipurpose purse seine/rawl vessels in 2014, followed by those of smaller (550 m³ average hold capacity) purse seine vessels in 2016 and even smaller (18 m³ average hold capacity) artisanal jigger vessels in 2017. No catches have been reported in 2019, 2020 and the first six months of 2021.

Table 3.- Catches by the Peruvian fleet that participated in fishing activities in the SPRFMO Convention area, by main species, in tonnes, per year, period January 2014 – June 2021

Year	Type of vessel and fishing gear	<i>Trachurus murphyi</i> (t)	<i>Dosidicus gigas</i> (t)	<i>Scomber japonicus</i> (t)	Others (t)	Total (t)
2014	Purse seine/rawl	2 556.9	1 190.0	0.0	0.0	3 746.9
	Artisanal jigger **	0.0	84.3**	0.0	0.0	84.3**
2015	Scientific research jigger/rawl	0.0	1.6	0.0	0.1	1.7
	Artisanal jigger **	0.0	302.8**	0.0	0.0	302.8**
2016	Purse seine	0.0	0.0	1 122.3	0.0	1 122.3
	Artisanal jigger **	0.0	999.3**	0.0	0.0	999.3**
2017	Scientific research jigger/rawl	0.0	1.0	0.0	0.0	1.0
	Artisanal jigger **	0.0	5 066.0**	0.0	0.0	5 066.0**
2018	Artisanal jigger **	0.0	287.9**	0.0	0.0	287.9**
2019	n/a	0.0	0.0	0.0	0.0	0.0
2020	n/a	0.0	0.0	0.0	0.0	0.0
2021*	n/a	0.0	0.0	0.0	0.0	0.0

* January-June 2021 only

** Estimates from IMARPE's port interviews & sampling programme, for research purposes only. Not official data. Subject to changes

2.2.1. Jack mackerel

The annual catches of Jack mackerel (*Trachurus murphyi*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 1. A maximum annual catch of 40 516 t was reported in 2010. After the annual catch of 2 556.9 t was reported by

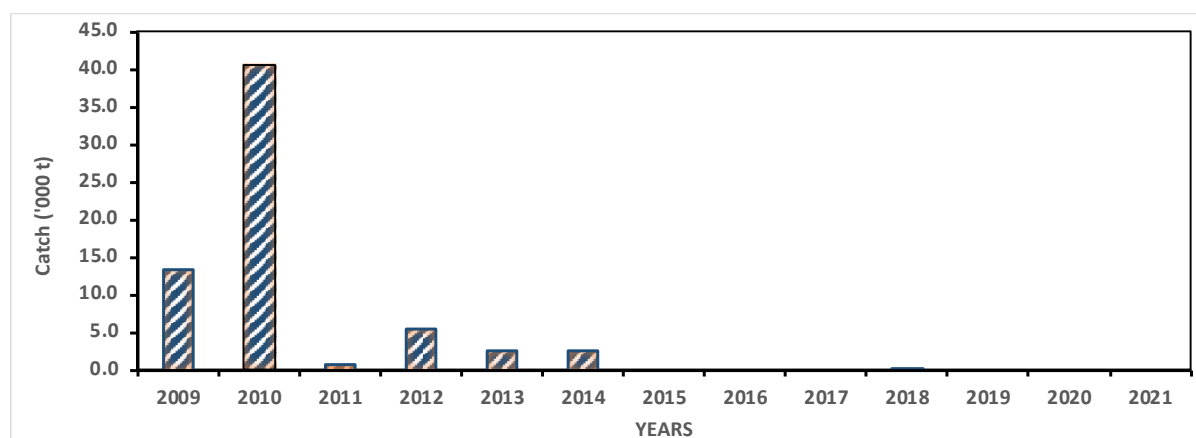


Figure 1.- Annual Peruvian catches of Jack mackerel (*Trachurus murphyi*) in the SPRFMO Convention area, years 2009 to 2021 (until June 2021)

5 Peruvian flagged multipurpose purse seine/rawl vessels in 2014, no vessel flagged to Peru has participated in the *T. murphyi* fishery in the SPRFMO Convention area. Therefore, there are no *T. murphyi* catches (0 t) in the SPRFMO Convention area to report between 2015 and 2021 (until June 2021).

2.2.2. Jumbo flying squid

The annual catches of jumbo flying squid (*Dosidicus gigas*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 2. There is a first maximum of 1 274.3 t in 2014, mostly (1 190.0 t) caught by large multipurpose purse seine/rawl vessels, and a more recent maximum of 5 067.0 t in 2017, most of it caught by small artisanal jigger vessels (5 066.0 t). An estimated 287.9 t were caught by small artisanal jigger vessels in 2018.

No catches (0 t) of jumbo flying squid in the SPRFMO Convention area have been reported during 2019, 2020 and the first semester of 2021.

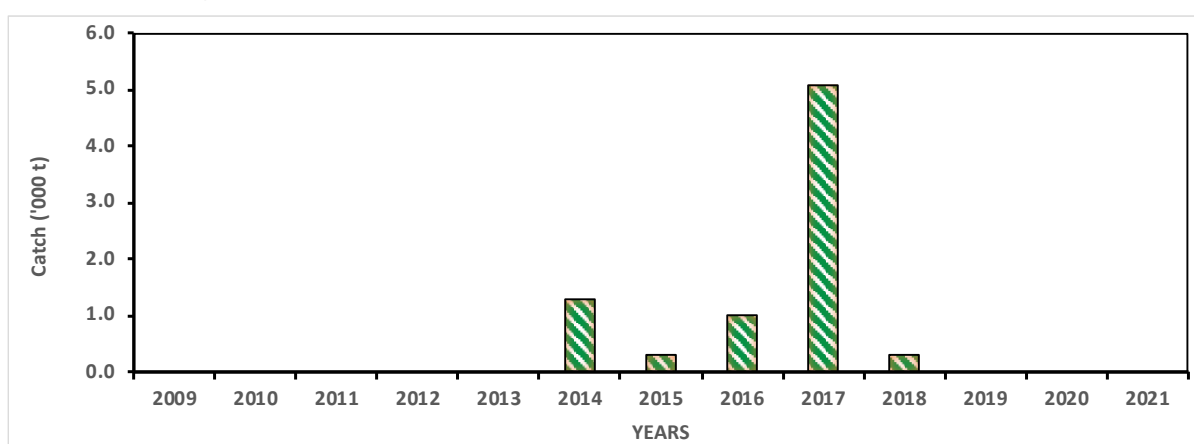


Figure 2.- Annual Peruvian catches of jumbo flying squid (*Dosidicus gigas*) in the SPRFMO Convention area, years 2009 to 2020 (until June 2020)

2.2.3. Chub mackerel

The annual catches of chub mackerel (*Scomber japonicus*) by Peruvian vessels in the SPRFMO Convention area since 2009 is shown in Figure 3. The maximum annual catch of 1 122.3 t was reported by 5 Peruvian purse-seiners vessels during 2016.

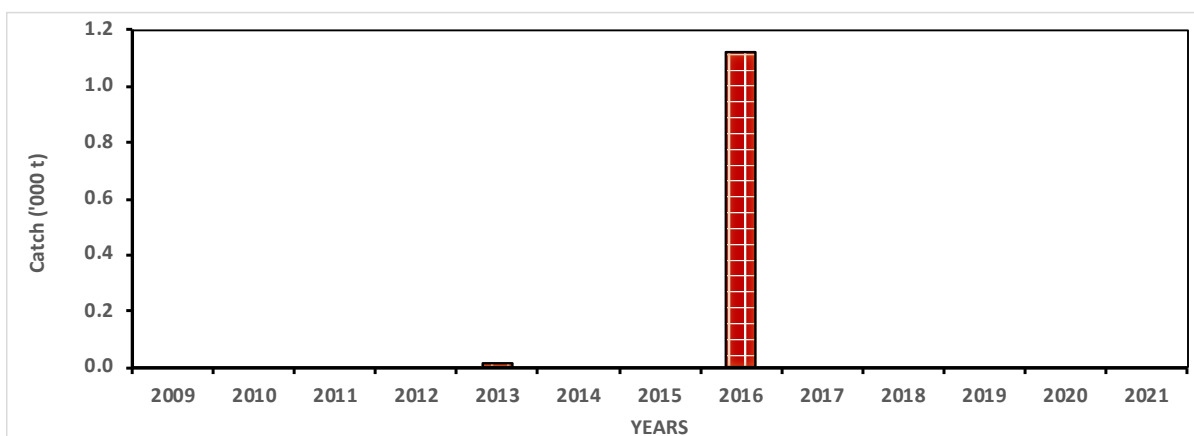


Figure 3.- Annual Peruvian catches of chub mackerel (*Scomber japonicus*) in the SPRFMO Convention area, years 2009 to 2021 (until June 2021)

No catches of *Scomber japonicus* in the SPRFMO Convention area have been reported by Peruvian vessels in 2017, 2018, 2019, 2020 and the first part of 2021.

2.3. Jack mackerel catch entitlements and transfers

As per CMM 01-2020, the 2020 Peruvian catch entitlement for Jack mackerel (*T. murphyi*) to be caught within the SPRFMO Convention area was 13 793 t and, in accordance to the same CMM, the 13 793 t of this 2020 entitlement were transferred to Chile on 24 September 2020, and accepted by Chile on 29 September 2020.

As per CMM 01-2021, the 2021 Peruvian catch entitlement for Jack mackerel (*T. murphyi*) to be caught within the SPRFMO Convention area is 15 862 t and as of 30 June 2020, no transfer has been made against this 2021 Peruvian catch entitlement.

3. CATCH, EFFORT AND CPUE SUMMARIES

3.1. Catch trends in the Jack mackerel fishery

The monthly trend in catches of Jack mackerel by the Peruvian fleet in the SPRFMO Convention area since 2010 is shown in Figure 4. As already noted, no fishing activities directed to Jack mackerel and no catches of this species have been made by Peruvian vessels in the SPRFMO Convention area since 2015, until June 2021.

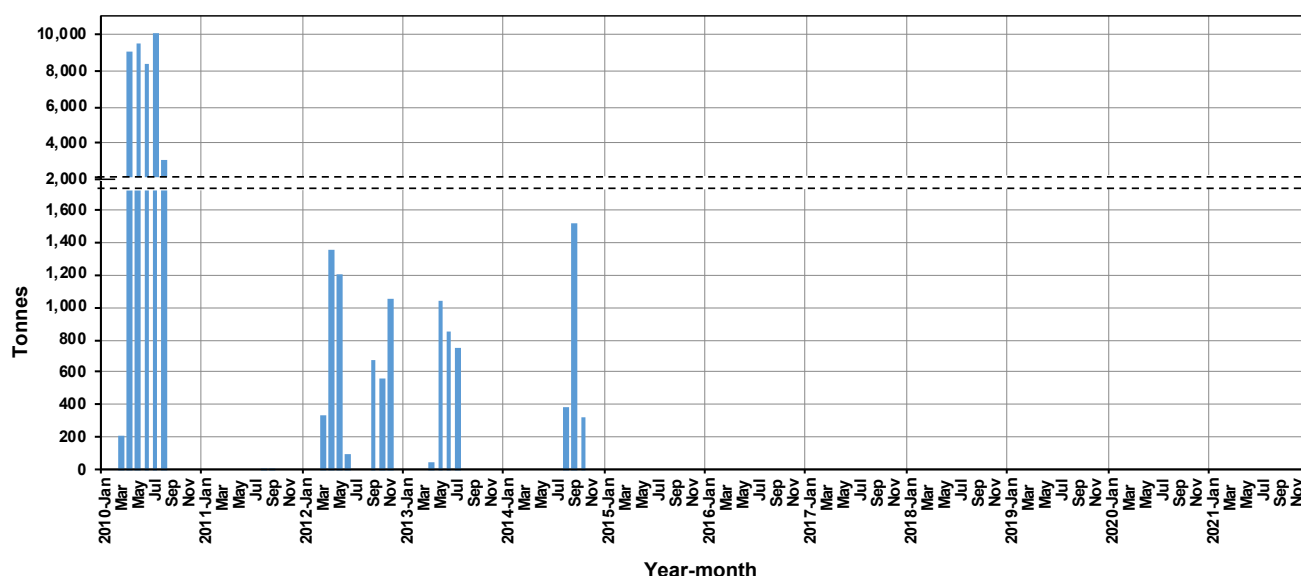


Figure 4.- Jack mackerel (*Trachurus murphyi*) monthly catches by the Peruvian fleet in the SPRFMO Convention area, 2010 – 2021 (until June 2021)

3.2. Fishing effort trends in the Jack mackerel fishery

The trends of the fishing effort directed to Jack mackerel by Peruvian vessels operating in the SPRFMO Convention area since 2010 is shown in Figure 5. The number of vessels and hold capacity m³ was highly variable within 2010 and 2014, with maximums of 11 vessels in 2010 and of 11 102 m³ total hold capacity in 2012. No such fishing effort has been exerted during 2015, 2016, 2017, 2018, 2019, 2020 and the first six months 2021.

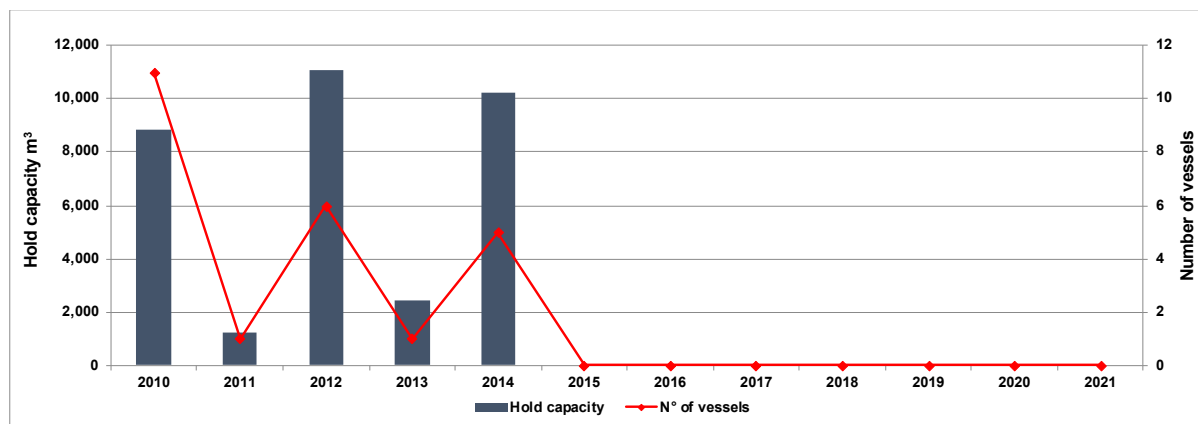


Figure 5.- Total hold capacity and number of vessels in the Peruvian fleet that operated in the Jack mackerel (*Trachurus murphyi*) fishery in the SPRFMO area, by year, 2010-2021 (until June 2021)

3.3. Catch, fishing effort and CPUE trends in the jumbo flying squid fishery

The monthly trend in catches of jumbo flying squid by Peruvian artisanal jigger vessels in the SPRFMO Convention area since 2012 is shown in Figure 6. The highest estimated monthly catch in this area was 3 123 t by 325 artisanal vessels in November 2017 (total 5 066 t for the whole year 2017).

No fishing activities directed to jumbo flying squid and no catches of this species have been reported by Peruvian vessels in the SPRFMO Convention during 2019, 2020 and the first semester of 2021.

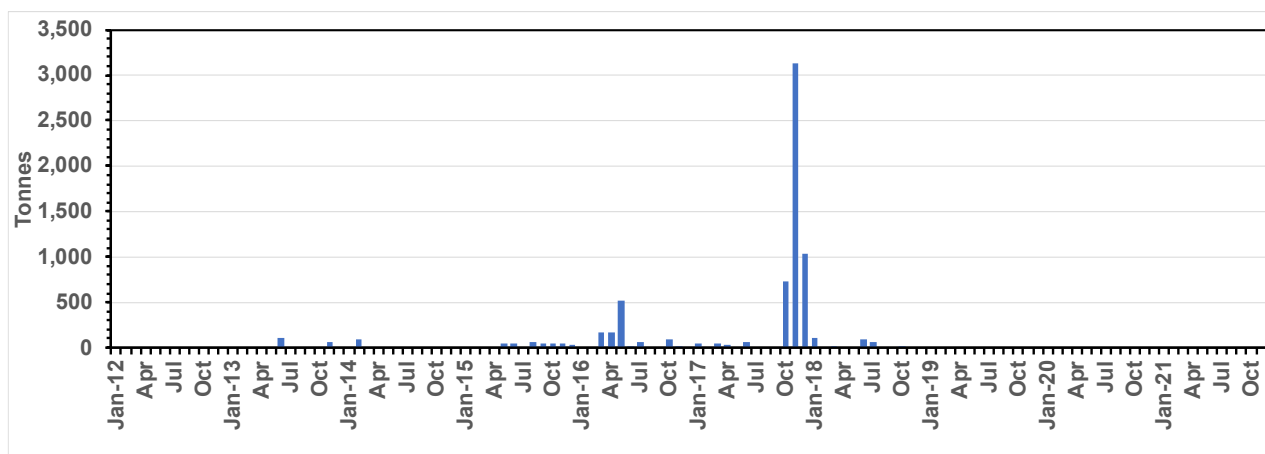


Figure 6.- Estimated jumbo flying squid (*Dosidicus gigas*) monthly catches by Peruvian artisanal jigger vessels in the SPRFMO Convention area, 2012 – 2021 (until June 2021)

The trends in CPUE and total fishing effort directed to jumbo flying squid by Peruvian artisanal jigger vessels within the SPRFMO Convention area since 2012 are shown in Figure 7.

Fishing effort by this artisanal fleet has been very low, only occasional, and highly variable, with an estimated maximum of 10 185 m³ of holding capacity accumulated by an estimated 557 artisanal vessels in 573 trips in 2017, with a total estimated catch during that year of 5 066 t. Fishing effort (and catches) by this fleet in the Convention area have been much lower, or null, during other years. However, the observed CPUE (in t caught per m³ of hold capacity per trip) of these vessels has been relatively stable

between 2013 and 2018, the years when they have occasionally fished for jumbo flying squid in the Convention area. With CPUE ranging from a minimum of 0.371 t/m³-trip in 2018 and a maximum of 0.523 t/m³-trip in 2015. There is no fishing effort and no jumbo flying squid CPUE by Peruvian flagged vessels to report for 2019, 2020 and the first semester of 2021.

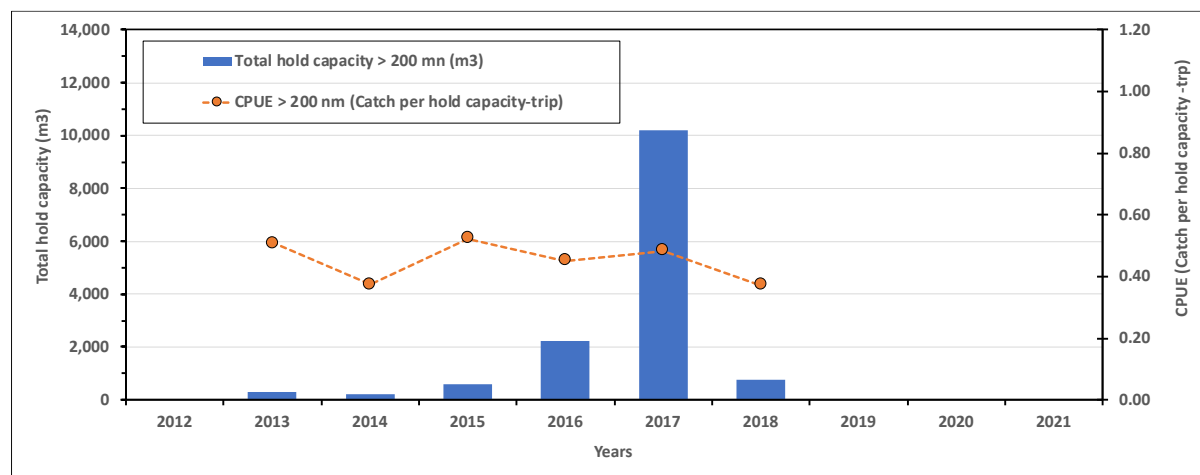


Figure 7.- Estimated total holding capacity and CPUE (catch/hold capacity-fishing days) of Peruvian artisanal jigger vessels fishing for jumbo flying squid (*Dosidicus gigas*) in the SPRFMO area, by year 2012-2021 (until June 2021)

4. DATA COLLECTION AND RESEARCH ACTIVITIES

There has been no fishing or seagoing research activities directed to non-highly migratory species by Peruvian flagged vessels in the SPRFMO Convention area between January 2020 and June 2021. Therefore, there are no data collection or seagoing research activities to report for 2020 or the first semester of 2021.

5. BIOLOGICAL INFORMATION

There have been no fishing or seagoing research activities directed to non-highly migratory species by Peruvian flagged vessels in the SPRFMO Convention area between January 2020 and June 2021. Therefore, there is no relevant biological information pertaining to fish species in the Convention area to report for 2020 or the first semester of 2021.

6. ECOSYSTEM APPROACH CONSIDERATIONS

There are no seabird mitigation measures, seabird interaction observations, or ALFG (abandoned, lost, discarded or retrieved fishing gear) to report for 2020 or the first semester of 2021.

7. ONBOARD OBSERVER PROGRAM

Since 2015, there is no Peruvian fleet purposely fishing in the SPRFMO Convention area with vessels of a proper size to carry observers onboard. Therefore, the Peruvian SPRFMO Onboard Observer Program is on hold until regular fishing activities in the SPRFMO Convention area resume. Therefore, there is no onboard observer's information to report for 2020 or the first semester of 2021.

However, it is noted that, in consideration of the provisions in paragraph 4 of CMM 16-2021 (SPRFMO Observer Programme), efforts are being made to develop an alternative simplified approach to be used on artisanal fishing vessels of up to 15

meters length fishing for jumbo flying squid, that will collect data equivalent to that specified in the SPRFMO Observer Programme.

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