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Australia's national report on 2025 fishing activities to the South Pacific Regional Fisheries Management Organisation's Scientific Committee

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Report by the Australian Bureau of Agricultural and Resource Economics and Sciences

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Australia's national report on 2025 fishing activities to the South Pacific Regional Fisheries Management Organisation's Scientific Committee

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Acknowledgement of Country

We acknowledge the continuous connection of First Nations Traditional Owners and Custodians to the lands, seas and waters of Australia. We recognise their care for and cultivation of Country. We pay respect to Elders past and present, and recognise their knowledge and contribution to the productivity, innovation and sustainability of Australia's agriculture, fisheries and forestry industries.

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Executive Summary

This report presents the Australian fishing activity in 2025 in the South Pacific Regional Fisheries Management Organisation (SPRFMO) Convention Area. Two Australian-flagged vessels fished in the established fishery in the SPRFMO Area in 2025 using demersal longline gears with 817,000 hooks deployed. Another Australian vessel fished in the exploratory fishery for toothfish using Auto Longline and a detailed report on this fishing is contained in Appendix B. No Australian-flagged vessel fished using trawl gears. The total catch reported in logbooks was 135.6 t, comprised primarily of yellowtail kingfish (*Seriola lalandi*), morwong (*Nemadactylus spp.*), blue-eye trevalla (*Hyperoglyphe antarctica*), ocean blue-eye trevalla (*Schedophilus velaini*) and other species.

Australia achieved 15.9% observer coverage in 2025. Observers did not report any bycatch of seabirds, marine mammals, marine reptiles or other species of concern in non-trawl operations in the SPRFMO Area in 2025. Observers reported 111.3 kg of benthic bycatch from 28 separate fishing operations in 2025, comprised mainly of gorgonian corals (Family Ellisellidae; 19 kg), crinoids (Class Crinoidae; 14 kg), starfish (Class Asteroidea; 4 kg), and non-living 'benthos' (74 kg). The required annual data were submitted to the SPRFMO Secretariat in accordance with Australia's data confidentiality policies and the relevant Conservation and Management Measures (CMMs).

Introduction

This report provides an update on fishing activity by Australian-flagged vessels in the South Pacific Regional Fisheries Management Organisation (SPRFMO) Convention Area. This report excludes data from within the Exclusive Economic Zone (EEZ) of Australia and its external territories (e.g. Norfolk Island). Tuna and billfish fisheries, over which the Western and Central Pacific Fisheries Commission has competence, are not reported here. Common and scientific names for species mentioned are provided in Appendix A.

Australian operators in the SPRFMO Convention Area are authorised under permits granted by the Australian Fisheries Management Authority (AFMA) to target various species with midwater and demersal trawl, dropline, minor line, automatic longline and bottom longline gears. Permits to fish in the SPRFMO Convention Area are granted for a period of up to five years. Australian high-seas fisheries permits require the implementation of vessel monitoring systems, 100% observer coverage¹ on all trawl vessels and for the first trip of the season (for all methods) and a minimum of 10% observer coverage² annually on all non-trawl vessels.

AFMA's high seas permit conditions restrict vessels to fishing within the areas specified in SPRFMO Conservation and Management Measure (CMM) for the Management of Bottom Fishing in the SPRFMO Convention Area (CMM 03-2025, superseding CMM 03-2023) (Map 1). In accordance with CMM for Deepwater Species in the SPRFMO Convention Area (CMM 03a-2026, superseding CMM 03a-2025), catches for all species other than *Hoplostethus atlanticus* (orange roughy) are limited to the average annual level between 2002–06. Catches in 2023 were within the catch limits specified in CMM 03a-2023.

AFMA's permit conditions require stringent seabird mitigation measures and reporting of interactions with all species protected under the *Environment Protection and Biodiversity Conservation Act 1999*. The vulnerable marine ecosystems (VME) indicator taxa list and associated thresholds that trigger the move-on protocols observed by Australian vessels fishing in 2024 are specified in annexes 5, 6A and 6B of CMM 03-2025. The thresholds specified in CMM 03-2025 were not triggered by any Australian-flagged vessels in 2025.

To provide accountability to the fishing industry and Australian community in AFMA's management of fisheries resources, AFMA may publicly disclose the following information for all fisheries, so far as it is consistent with Australia's obligations under international law:

¹ Observer coverage for trawl gears is expressed as the percentage of the total number of hauls observed.

² Observer coverage for non-trawl (line) gears is expressed as the percentage of the total number of hooks set.

- a) total fishing season catch and effort statistics for each species³ aggregated by fishing method, sector and/or fishery;
- b) the total area of waters fished within a season by fishery, sector and/or method, reported at a minimum spatial resolution of one degree square. This does not include catch or effort information where the data represents less than five vessels; or
- c) any other catch and effort information, including spatial information, where the information represents data from five or more vessels.

AFMA may publicly disclose more detailed fishing information than that outlined above where:

- a) the information has or will be used to guide fishery management decisions (for example, research or information supporting the implementation of harvest strategies, stock recovery plans, stock-based management measures); or
- b) it is used to ensure that Australia meets its obligations under international law (for example, disclosure to Regional Fishery Management Organisations).

Australian data that do not meet these criteria are not included in this report. However, required data is submitted to the SPRFMO Secretariat in accordance with the CMM on Standards for the Collection, Reporting, Verification and Exchange of Data (CMM 02-2026, superseding CMM 02-2025). The same data confidentiality applies to the Secretariat's use and handling of the data unless the disclosure and use of data is authorised by Australia.

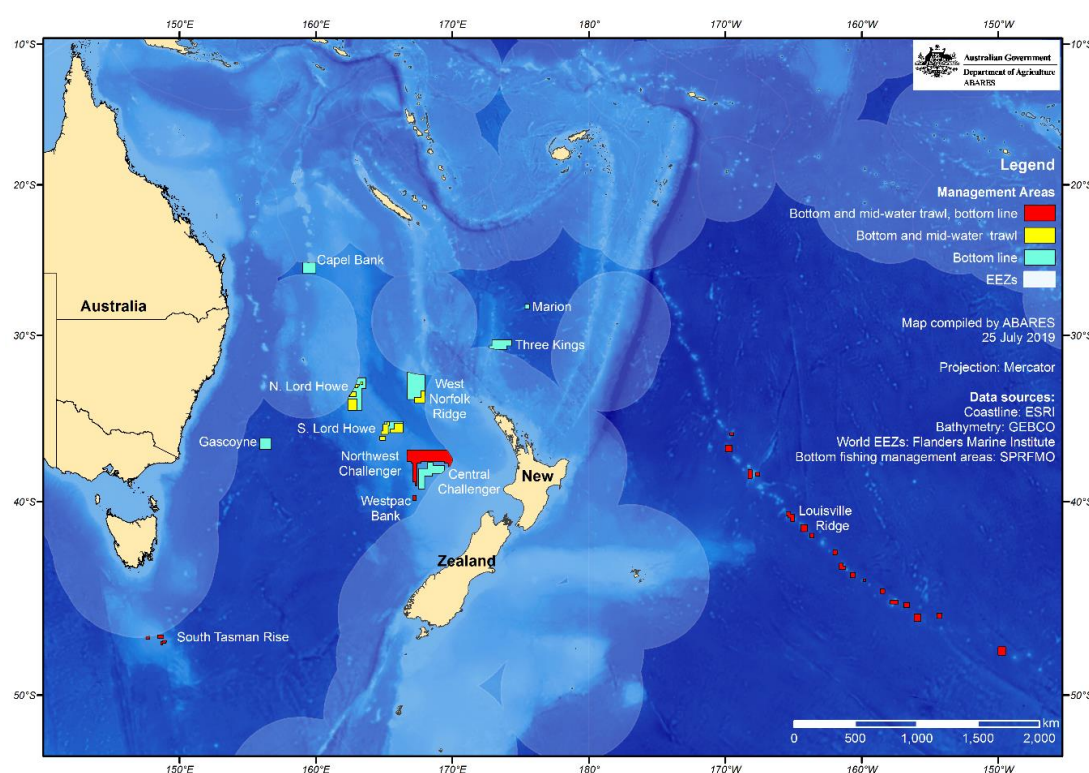
³ Includes: target, byproduct, bycatch and threatened, endangered or protected species

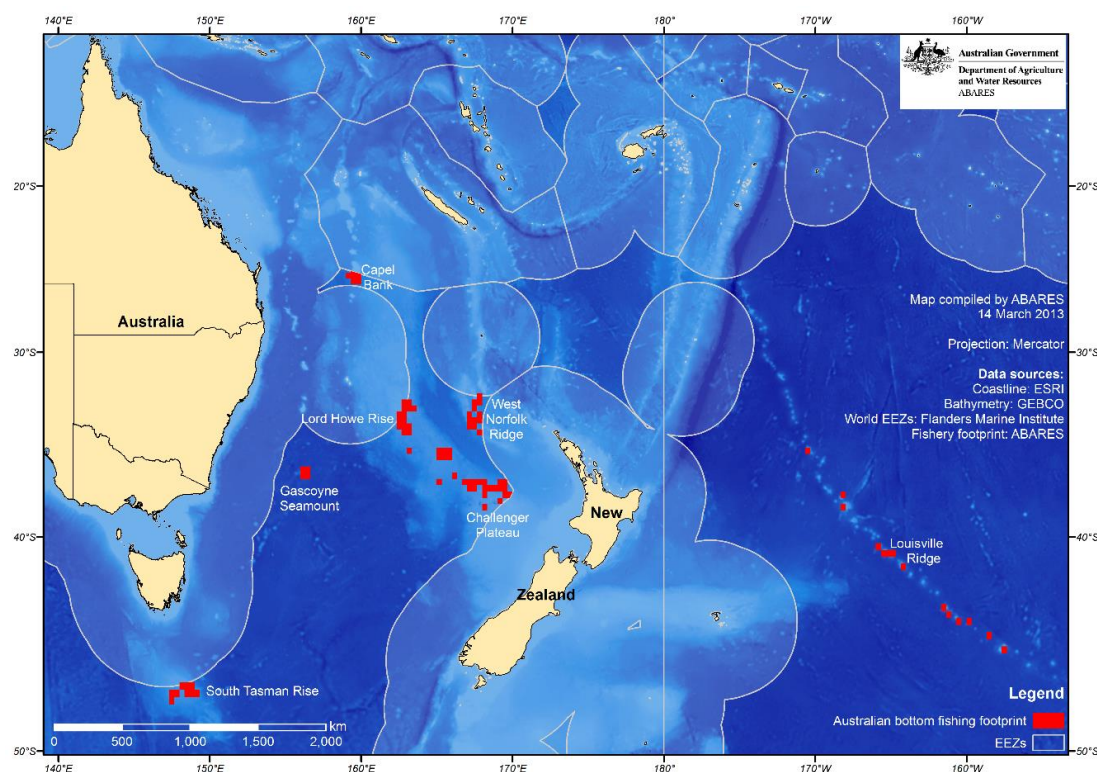
1 Description of fisheries

A small number of Australian fishing vessels target demersal fish species in association with seamounts, ridges, and other features in the South Pacific Ocean. Trawling targeted at *H. atlanticus* has comprised the majority of Australian catches in the SPRFMO Convention Area, although from the mid-2000s until 2013, catch of *Beryx splendens* (splendid alfonsino) increased to comprise a significant proportion of the trawl catch in some years. Much of the historical catch of *H. atlanticus* was taken on the South Tasman Rise, with *Pseudocyttus maculatus* (smooth oreodory) and *Neocyttus rhomboidalis* (spiky oreodory) also being caught in relatively large volumes in association with the main target species. The South Tasman Rise trawl fishery has been closed to Australian fishing—both within and outside Australia's EEZ—since 2007. There was no trawl effort in the SPRFMO Convention Area in 2008, 2009, 2010, 2018, and 2020 to 2025. From 2011 to 2017 and in 2019, trawl catch was relatively low and sporadic, with the catch mostly comprised of *H. atlanticus* and *B. splendens*. In 2025, there was no trawl effort in the SPRFMO Convention Area.

Non-trawl effort has historically been low and variable, targeting *Nemadactylus* spp. (morwong species; predominantly *N. macropterus* jackass morwong), *Hyperoglyphe antarctica* (blue-eye trevalla), *Seriola lalandi* (yellowtail kingfish) and *Schedophilus velaini* (ocean blue-eye trevalla; formerly *Schedophilus labrynthicus*). Since around 2016, a change in the composition of landed catches towards Lethrinidae and Etelinae species (as well as other sub-tropical species) reflects a change in the main fishing grounds used by Australian non-trawl vessels. The non-trawl catch has exceeded the trawl catch since 2016. In recent years, all of the non-trawl component has been taken by bottom longline gears.

Map 1 Bottom trawl, midwater trawl and bottom line Management Areas specified in CMM 03-2025 in the SPRFMO Convention Area



Map 2 Australia's fishing footprint (based on historical bottom fishing effort in the 2002–2006 reference period) and identified fishing grounds in the SPRFMO Convention Area

Note: This historical footprint was used to determine Australian fishing grounds until April 2019 but has since been superseded by the areas outlined in CMM 03-2025 (see Map 1). EEZ boundaries were correct as at the time of map production.

1.1 Fleet composition

Two Australian-flagged vessels fished in the SPRFMO Area in 2025 using demersal longline gears and no Australian-flagged vessel fished using trawl gears (Table 1).

Table 1 Fishing effort, retained catches and number of Australian vessels that actively bottom fished in the SPRFMO Convention Area under relevant high-seas permits, 2020–2025

Fishing method	Non-trawl					Trawl				
Year	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025
Vessels	2	2	2	2	2	0	0	0	0	0
Retained catch (t) ^b	105.0	133.7	132.0	136.0	135.6	0	0	0	0	0
Effort	729	648	665	568	817	0	0	0	0	0

Note: Fishing effort is presented as thousands of hooks set for non-trawl and hours for trawl. Retained catch volumes in tonnes (t) are based on logbook estimates. Information excludes fishing in exploratory toothfish fishery.

2 Catch and effort

The total retained catch reported in logbooks by Australian vessels in the SPRFMO Area was 135.6 t in 2025 (Table 1). Logbook estimates of catch and fishing effort for key species are shown in Table 2 (trawl) and Table 3 (non-trawl).

Trawl catches by Australian vessels in SPRFMO peaked at 4,143 t in 1998 (Table 2). Trawl catches over the last decade have been relatively low, averaging 83 t per annum. There was no trawl catch in 2025.

The nominal catch-per-unit-effort (CPUE) for *H. atlanticus* and other species caught in the trawl fishery varies over time, with no clear trend. As catch and effort are low and vary over space and time, nominal CPUE indices for trawl gears are not presented here as they are uninformative.

Non-trawl catches by Australian vessels in SPRFMO peaked at 244 t in 2002 (Table 3). Non-trawl catches over the last decade have averaged 123 t per annum. Total non-trawl logbook-reported catch retained by Australian vessels in the SPRFMO Convention Area was 135.6 t in 2025. Bottom longline was the only non-trawl method used in 2025. Morwong (*Nemadactylus* spp.) accounted for 26.2% (34.9 t) of the longline catch. The remainder of the catch comprised of yellowtail kingfish (*Seriola lalandi*; 26.1%; 35.4 t), redthroat emperor (*Lethrinus miniatus*; 14.6%; 20.5 t), sea bream snapper (*Gymnocranius* spp; 8.1%; 11.5 t), blue-eye trevalla (*H. antarctica*; 7.6%; 10.7 t) and other species (17.4%; 24.5 t). Logbook-reported discards in the longline fishery were 15.8 t in 2025, comprised of mixed fish (2.5 t), whitetip reef sharks (*Triaenodon obesus*) (2.3 t), and other species (10 t).

Effort in the Australian non-trawl fishery has fluctuated over time, with a peak effort of 841,000 hook sets in 2017. Effort was 817,000 hooks in 2025. Nominal CPUE indices for species caught in the non-trawl fishery are not presented here as it is difficult to determine target species. Catch and effort are also low and spatio-temporally variable. Nominal CPUE data would need to be standardised before use as a potential index of abundance.

There was no fishing effort directed at, or catch of, *Trachurus* spp. (jack mackerel) or *Dosidicus gigas* (jumbo flying squid) by Australian vessels operating in the SPRFMO Area in 2025.

Table 2 Number of trawl active vessels, fishing effort (hours) and annual catch (tonnes, t) of major species reported in logbooks by Australian trawlers in the SPRFMO Convention Area, 1987–2025

Year	No. of vessels	Effort (hours)	Catch of major species (t)					Total catch (t)
			Orange roughy	Smooth oreo	Spiky oreo	Alfonsino	Other species	
1987–1990 a	6	105	9	0	0	0	8	17
1991–1993 a	6	85	367	1	107	0	4	479
1994	7	257	192	0	6	0	5	203
1995–1996 a	6	62	21	12	10	0	54	98
1997	10	396	1,458	505	448	1	56	2,468
1998	12	916	3,098	420	620	1	5	4,143
1999	10	777	,514	106	89	8	5	2,720
2000	12	752	948	123	86	4	8	1,170
2001	9	307	751	13	31	1	3	799
2002	8	196	376	6	67	3	3	453
2003	9	102	166	6	63	2	1	238
2004	5	48	369	22	12	1	1	406
2005	3	29	207	74	1	81	14	377
2006	3	104	166	0	0	209	75	451
2007	2	71	148	0	1	86	18	253
2008	0	-	-	-	-	-	-	-
2009	0	-	-	-	-	-	-	-
2010	0	-	-	-	-	-	-	-
2011	1	72	2	0	0	47	14	63
2012	1	123	56	<1	<1	167	119	264
2013	1	101	49	<1	0	72	17	138
2014	2	52	102	0	<1	<1	2	104
2015	1	16	20	0	0	3	1	25
2016	1	12	83	<1	<1	<1	<1	84
2017	1	52	93	b	b	0	<1	98
2018	0	-	-	-	-	-	-	-
2019	1	16	44	0	<1	13	5	62
2020	0	-	-	-	-	-	-	-
2021	0	-	-	-	-	-	-	-
2022	0	-	-	-	-	-	-	-
2023	0	-	-	-	-	-	-	-
2024	0	-	-	-	-	-	-	-
2025	0	-	-	-	-	-	-	-

a In earlier years data were combined over several years to comply with domestic data confidentiality policy. **b** Catch volumes for individual species are not available due to aggregation of reported catch of oreodories in 2017 (5 t). Dash (-) indicates no data recorded due to no fishing effort. Note: Logbook weights are based on visual estimates by skippers of retained catch weights. They do not always exactly match subsequent landings. Effort data from 2011 to 2014 was revised in 2016. Data rounding may mean that totals do not match exactly with summed tonnages of individual species.

Table 3 Number of active non-trawl vessels, fishing effort ('000s of hooks) and annual catch (t, tonnes) of major species reported in logbooks by Australian vessels using non-trawl gear in the SPRFMO Convention Area, 1997–2025

Year	No. of vessels	Effort ('000 hooks) a	Catch of major species (t)						Total catch (t)
			Morwong b	Blue-eye trevalla	Ocean blue-eye trevalla	Yellowtail kingfish c	Redthroat emperor	Other species d, e	
1997	1	-	1	6	0	0	d	3	9
1998	3	-	31	26	0	15	d	34	106
1999	4	-	29	22	0	13	d	26	90
2000	1	-	79	6	0	14	d	19	117
2001	3	-	43	21	35	5	d	53	157
2002	3	-	81	27	66	32	d	38	244
2003	3	-	16	30	13	1	d	24	84
2004	3	-	0	2	7	0	d	8	18
2005	2	-	1	4	0	0	d	4	9
2006	5	-	10	8	0	22	d	20	59
2007	2	-	7	16	0	1	d	24	48
2008	3	751	24	3	0	25	d	125	177
2009	3	507	13	4	0	11	d	79	106
2010	3	333	23	6	0	17	d	49	95
2011	1	443	45	17	0	24	d	5	91
2012	2	349	40	10	0	54	d	6	111
2013	2	594	39	37	<1	23	d	33	133
2014	2	379	30	21	0	26	d	22	99
2015	2	745	46	16	<1	33	d	81	177
2016	2	710	6	5	<1	28	44	78	156
2017	2	841	23	2	<1	35	22	62	145
2018	2	753	18	2	<1	24	5	66	116
2019	2	658	9	3	<1	4	10	95 e	121
2020	1	52	4	3	0	2	0	4	12
2021	2	729	10	0	0	11	17	68	105
2022	2	638	21	12	0	37	9	55	134
2023	2	592	30	21	0	38	3	41	132
2024	2	568	65	6	0	59	0	7	136
2025	2	817	35	11	<1	35	0	55	136

a Historical effort not reported due to data handling issues and/or confidentiality restrictions. **b** Morwong catch from 1997 to 2009 is combined *Nemadactylus macropterus* and *Nemadactylus* spp. Morwong catches in subsequent years are predominantly *Nemadactylus macropterus*. **c** Some of the yellowtail kingfish and 'other species' catches presented in previous reports for 2010 were found to have occurred outside the SPRFMO Area. Those catches have been removed and reported catches now match the data submission for 2010. **d** Prior to 2016, any catches of redthroat emperor (*Lethrinus miniatus*) are included in 'Other species'. **e** Most of the 'other species' are comprised of *Lethrinidae* and *Etelinae* spp., which reflects a change in the main fishing grounds used by Australian longline fishing vessels since around 2016. This table may be updated in future versions of this report to include a revised mix of species.

Note: The logbook weights are based on visual estimates by skippers of retained and discarded catch weights. They do not always **exactly** match subsequent landings. Data rounding may mean that totals do not match exactly with summed weight of individual species.

Information excludes fishing in exploratory toothfish fishery.

3 Fisheries data collection and research activities

3.1 Logbook and landings

High seas permit conditions require operators to record daily catch and fishing effort data in logbooks on a set-by-set or tow-by-tow basis, including the location of fishing operations, and any bycatch and discards. Landings are monitored by AFMA through formal catch disposal records. Catch disposal records are completed by both the fisher and licensed fish receiver at the point of unloading to obtain accurate data on fish numbers and verified weight by species. Compliance checks are conducted on landings as part of a risk-based compliance program.

The logbook and catch disposal record data are submitted to the SPRFMO Secretariat in accordance with SPRFMO CMM 02-2026 (superseding CMM 02-2025). The data are submitted by the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), which maintains rigorous data quality assurance processes.

3.2 Vessel Monitoring System

AFMA introduced a compulsory requirement for all Commonwealth-endorsed fishing vessels to be fitted with Integrated Computer Vessel Monitoring Systems (ICVMS) in 2007. All VMS data for Australian vessels operating in the SPRFMO Area in 2024 and 2025 has been provided to the Secretariat in accordance with CMM 06-2023 (superseding CMM 06-2020). AFMA uses the ICVMS to assist in planning inspections and operations, to assist the observer program in deploying scientific observers and to actively monitor compliance with area restrictions.

3.3 Research

Australia hosted a deepwater working group workshop in Hobart, Tasmania in May 2017, at which progress was made towards *H. atlanticus* assessment, assessing the impacts of fishing on VMEs, and an assessment framework for SPRFMO deepwater fisheries (subsequently adopted during SC5). In accordance with the assessment framework, Australia has collaborated with other members and the SPRFMO Secretariat to develop a SPRFMO demersal fisheries species list and undertaken preliminary data characterisation to inform potential assessment options. Australia has also led ecological risk assessments for deepwater chondrichthyans ([SC7-DW10-rev1](#), since published as Georgeson et al. 2020) and demersal teleosts (see, e.g. [SC7-DW11](#)), the latter of which has informed categorisation of SPRFMO demersal species into appropriate tiers within the SPRFMO assessment framework. Australia has also led development of a list of potential candidate species for stock structure delineation studies ([SC7-DW09](#)), with priority species identified by SC7.

From 2018–2020, Australia commissioned the Commonwealth Scientific and Industrial Research Organisation (CSIRO) to review the VME habitat models developed by New Zealand's National Institute of Water and Atmospheric Research (NIWA). These VME habitat models underpin the spatial management approach adopted in CMM 03-2020, as well as to provide advice on the appropriateness of the VME encounter thresholds, and the implementation of an appropriate

monitoring program that is responsive to potential errors in the modelling approach. Some of this work has been included in the cumulative Bottom Fishing Impact Assessment for Australian and New Zealand fisheries in the SPRFMO Convention Area, which was submitted to SPRFMO on 4 August 2020. Other work, building on that presented at SC7 in [SC7-DW21-rev1](#), is ongoing.

In 2020–21 Australia cooperated with New Zealand in the development of spatial management scenarios for bottom trawling in accordance with the request from the ninth meeting of SPRFMO. This work will inform the Commission's determination of the level of protection required to prevent serious and irreversible impacts on VMEs in the SPRFMO Convention Area. It encompasses protection levels of 70%, 80%, 90%, 95% for the modelled VME indicator taxa using temporally static and temporally dynamic assessment methods.

At the ninth meeting of SPRFMO in 2021, Australia committed to undertake a paired trial of electronic and human seabird monitoring observations with a view to demonstrating whether electronic monitoring is as effective as human observers in detecting seabird interactions. This trial essentially comprises a side-by-side comparison of the level of seabird interactions measured by human observers (sampled at at-least 10% effort for the fishing year) with the level of seabird interactions measured by electronic monitoring. The trial commenced in 2021 with the collection of side-by-side data for two fishing trips in 2021, three trips in 2023, three trips in 2024 and three trips so far in 2025. With a view to expanding the dataset before reporting to SC, Australia will continue to implement the paired trial until enough data is available to adequately assess the effectiveness of electronic monitoring in detecting seabird interactions.

In 2023, Australia cooperated with New Zealand in the development cumulative Bottom Fishing Impact Assessment for Australian and New Zealand fisheries in the SPRFMO Convention Area ([SC11-DW01](#)), which was accepted by the SPRFMO Commission in February 2024.

3.4 Exploratory fishing

In 2023, Australia submitted an application for an Australian vessel to undertake exploratory fishing on the Macquarie Ridge for Toothfish species (*Dissostichus* spp.) within the SPRFMO Convention Area for 2024–2026 ([SC11-DW03](#)). As required by CMM Management of New and Exploratory Fisheries in the SPRFMO Convention Area (CMM 13-2024, superseding by CMM 13-2021), the application contained a Fisheries Operational Plan outlining the target species, proposed fishing method and gear, proposed timeframe of fishing and a preliminary data collection plan for the proposed exploratory fishing. The proposed fishing occurs outside the established SPRFMO bottom fishing footprint and contains a risk assessment of bottom fishing in the proposed area as required by CMM 03-23 Bottom Fishing in SPRFMO Convention Area. The application was accepted by the SPRFMO Commission in February 2024 with fishing having commenced in August 2024.

The Australian Fishing Vessel Antarctic Discovery conducted the second year of exploratory fishing in the Macquarie Ridge Continuation Research Block from 15–18 July 2025. In 2025, seven lines of approximately 5,000 hook each set. The catch was dominated by Patagonian toothfish (*Dissostichus eliginoides*; 2.5t) and no Antarctic toothfish (*Dissostichus mawsoni*) were caught. Ten Patagonian toothfish were tagged and released (4 tags per tonne). Otolith and length frequency data were collected. No tagged fish were caught.

With the exception of tagged toothfish, no other catch was discarded or released. The major other species caught were hake and grenadiers. There were no interactions with VME indicator taxa, seabirds or other protected species. Fishing was conducted in full accordance with CMM for Exploratory Fishing for Toothfish by Australia in the SPRFMO Convention Area (CMM 14f-2024). A detailed report on Australia's exploratory fishing in 2025 is provided in a separate report to SC14.

In 2026, Australia submitted an application as a continuation of the existing exploratory fishing in the area currently being undertaken in CMM 14f-2024. The proposal is to conduct exploratory fishing for Patagonian toothfish (*Dissostichus eliginoides*) for three seasons from 2027 to 2029 in the Macquarie Ridge Continuation Research Block.

4 Biological sampling and length composition of catches

Length frequency and other biological data are collected by Australian observers in the SPRFMO Area and submitted annually to the SPRFMO Secretariat. A subset of length frequency collected by observers on Australian longline vessels during 2025 is provided in Table 4. Biological data on shortfin mako and silky sharks were collected by observers in 2025 (Table 4).

Length frequency histograms of *N. macropterus* (Figure 1), and *S. lalandi* (Figure 2), caught by demersal longline in 2025 are presented as a subset of the most recently available observer data.

Table 4 Subset of length frequency and biological records collected by observers on Australian trawl and longline vessels in the SPRFMO Area, 2025.

	Species	Scientific name	No. lengths	No. sexed fish	No. maturity stage	No. otoliths
Non-trawl	TAK	<i>Nemadactylus macropterus</i>	907	0	0	0
	YTC	<i>Seriola lalandi</i>	791	0	0	0
	SMA	<i>Isurus oxyrinchus</i>	1	0	0	0
	FAL	<i>Carcharhinus falciformis</i>	4	0	0	0

Note: Data in Table 4 may differ from official records.

Figure 0-1 Length frequency of jackass morwong, *Nemadactylus macropterus* measured by observers on Australian longline vessels in the SPRFMO Area in 2025 (n = 907).

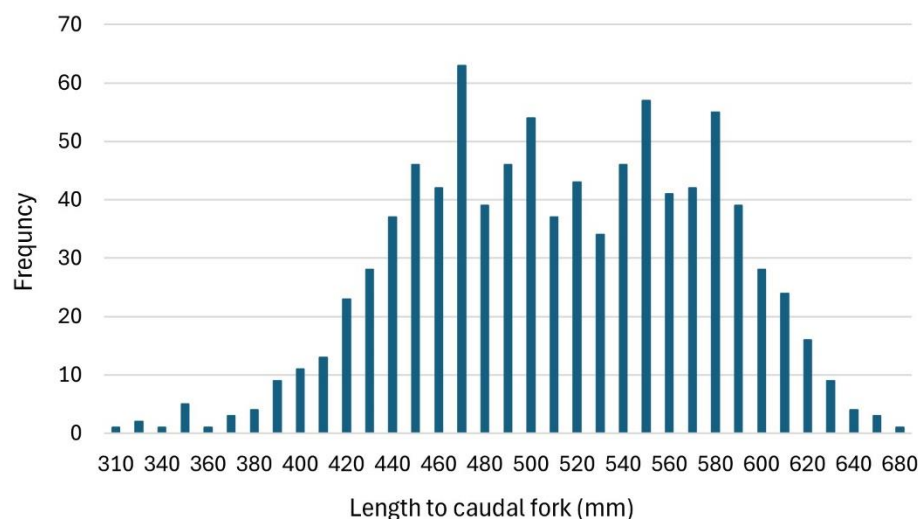
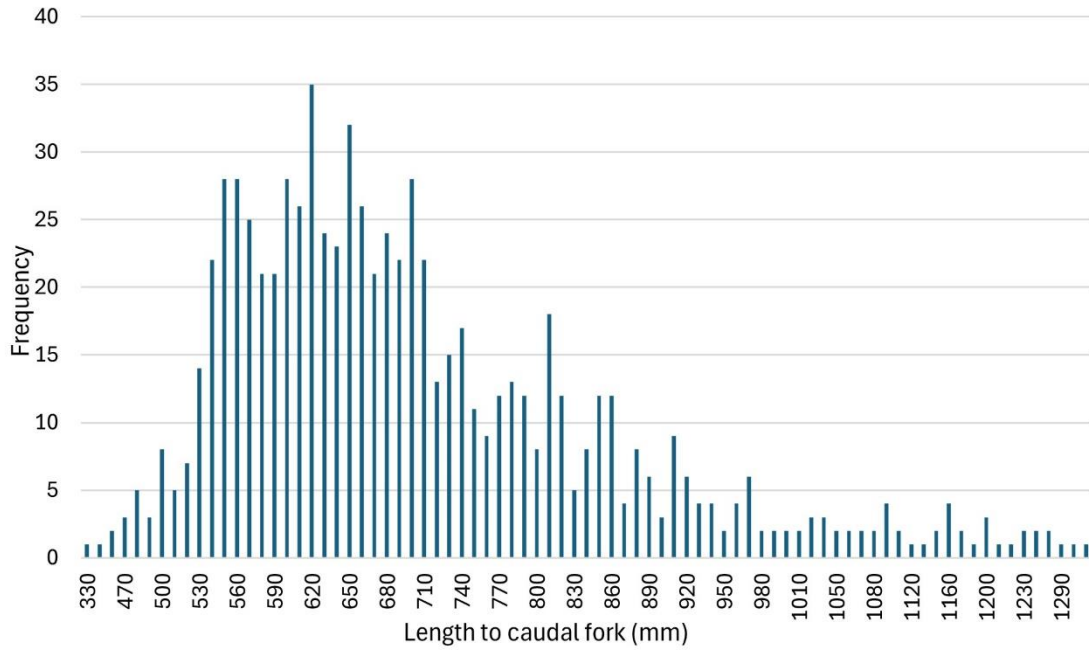


Figure 0-2 Length frequency of yellowtail kingfish, *Seriola lalandi* measured by observers on Australian longline vessels in the SPRFMO Area in 2025 (n = 791).



5 Ecosystem approach considerations

5.1 Seabird interactions and mitigation measures

Australian vessels have recorded low seabird interaction and mortality rates in the SPRFMO Convention Area. Australian longline vessels operating in high seas areas, including the SPRFMO Area, are required to deploy tori (streamer) lines when deploying lines, to deter seabirds. These vessels must also ensure a Bird Excluder Device (BED) designed to discourage birds from accessing baits during hauling of longlines is deployed at all times during line hauling. All trawl vessels must deploy bird bafflers on both warps while fishing gear is in the water.

All vessels must not discharge any biological material while fishing gear is in the water unless an exemption has been provided by AFMA, to avoid attracting seabirds to the vessel.

In 2025, Australia was compliant with CMM 09-2026 (superseding CMM 09-2017) regarding the minimisation of seabird interactions.

5.2 Bycatch of seabirds, marine mammals, marine reptiles and other species of concern

Observers did not report any bycatch of seabirds, marine mammals, marine reptiles or other species of concern in non-trawl operations in the SPRFMO Area in 2025.

No interactions with other species of concern as specified by CMM 02-2022, were reported by fishers in 2025.

5.3 Benthic bycatch

In the non-trawl fishery in 2025, observers reported total of 111.3 kg of benthic bycatch from 28 separate fishing operations. The benthic bycatch comprised mainly of gorgonian corals (Family Ellisellidae; 19 kg), crinoids (Class Crinoidae; 14 kg), starfish (Class Asteroidea; 4 kg), and non-living 'benthos' (74 kg).

5.4 Abandoned, lost, discarded or retrieved fishing gear

There were 3,717 hooks reported as lost in logbooks during 2025 (Table 5).

Table 5 Logbook data of abandoned, lost, discarded or retrieved fishing gear from Australian flagged vessels operating within the SPRFMO Area, 2021–2025.

Year	Floats (lost)	Anchor (lost)	Hooks (lost)	Rope (lost)
2021	0	0	1,730	Y
2022	0	0	1,730	Y
2023	0	0	3,100	Y
2024	0	0	5,900	Y
2025	0	0	3,717	Y

6 Summary of observer and port sampling programs

6.1 Observer program

During 2025, observer coverage levels (15.9% for non-trawl) met or exceeded the minimum requirement (10% coverage for non-trawl, 100% for trawl) as required under the relevant CMMs. Observer coverage is evaluated as the percentage of the number of hooks or trawls observed. Observers are deployed on an as-needs basis to ensure appropriate coverage. For non-trawl gears, observer coverage will often exceed the minimum observer coverage requirement due to the low number of trips. Additionally, all Australian-flagged auto-longline boats fishing in the SPRFMO Area have electronic monitoring (e-monitoring) systems installed to monitor fishing activity and support verification of logbook reports when fishing in the Australian Fishing Zone. Footage collected on the high seas is not currently routinely reviewed (however, note the research underway to assess seabird interactions using e-monitoring, see Section 3.3), but it could be used in future to supplement human observer coverage if the data need arises.

AFMA recruits and trains observers through its national Independent Scientific Monitoring Program. Observers have a scientific background or experience in the fishing industry or other maritime industries and must demonstrate skills in collecting biological data at sea, fisheries research methodologies and collection of associated scientific data. Observers also hold a marine radio operators certificate of proficiency (or similar qualifications), a sea safety certificate and medical certificate, and have completed an AFMA observer training course.

Observers collect a range of data on vessel characteristics, fishing activity, catch composition, discarding and bycatch. There were no changes to observer requirements in 2024.

6.2 Port sampling program

Australia does not currently have a port sampling program for vessels that fish in the SPRFMO Area. The landings are monitored through catch disposal records where the catch is verified by an AFMA-registered fish receiver. These data have been submitted to the SPRFMO Secretariat.

7 Relevant publications

Woodhams, J, Stobutzki, I, Noriega, R & Roach, J 2012, [Sustainability of harvest levels by Australian flagged vessels in the high seas areas of the South Pacific Ocean and South Indian Ocean \(PDF, 4 MB\)](#), ABARES report to client for the Australian Fisheries Management Authority, Canberra.

Anderson, O, Charsely, A, Bradley, M, Rowden, A, Matt 2024, [Updated quantitate benthic impact assessment for New Zealand and Australian bottom fisheries \(PDF 4MB\)](#), report for the 12th meeting of the South Pacific Regional Fisheries Management Authority's Scientific Committee, Lima Peru, October 2024.

Georgeson, L, Rigby, CL, Emery, TJ, Fuller, M, Hartog, J, Williams, AJ, Hobday, AJ, Duffy, CAJ, Simpfendorfer, CA, Okuda, T, Stobutzki, IC & Nicol, SJ 2020, [Ecological risks of demersal fishing on deepwater chondrichthyan populations in the Southern Indian and South Pacific Oceans](#), *ICES Journal of Marine Science*, vol. 77(5), pp. 1711–1727, DOI: 10.1093/icesjms/fsaa019.

Appendix A: Common and scientific names

Table A1 Common and scientific names of species

Common name	Scientific name
Alfonsino	<i>Beryx splendens</i>
Antarctic toothfish	<i>Dissostichus mawsoni</i>
Blue-eye trevalla	<i>Hyperoglyphe antarctica</i>
Crinoids	Class Crinoidea
Flesh-footed shearwater	<i>Puffinus carneipes</i>
Gorgonian corals	Family Ellisellidae
Grenadiers	<i>Macrourus spp.</i>
Jackass morwong	<i>Nemadactylus macropterus</i>
Jack mackerel	<i>Trachurus spp.</i>
Jumbo flying squid	<i>Dosidicus gigas</i>
Morwongs	<i>Nemadactylus spp.</i>
Ocean blue-eye trevalla	<i>Schedophilus velaini</i>
Orange roughy	<i>Hoplostethus atlanticus</i>
Patagonian toothfish	<i>Dissostichus eleginoides</i>
Redthroat emperor	<i>Lethrinus miniatus</i>
Sea bream snapper	<i>Gymnocranius spp.</i>
Silky shark	<i>Carcharhinus falciformis</i>
Short-tailed shearwater	<i>Puffinus tenuirostris</i>
Shortfin mako	<i>Isurus oxyrinchus</i>
Smooth oreodory	<i>Pseudocyttus maculatus</i>
Spiky oreodory	<i>Neocyttus rhomboidalis</i>
Starfishes	Order Asteroidea
Toothfishes	<i>Dissostichus spp.</i>
Yellowtail kingfish	<i>Seriola lalandi</i>
Whitetip reef shark	<i>Triaenodon obesus</i>