

Scientific Data Available to the Western and Central Pacific Fisheries Commission (Data Gaps)

SC20-2024 ST-WP-01

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Overview

Summary of data reporting to the WCPFC, noting any issues or gaps in data submissions

- Review 2023 provisions of Sci Data to the WCPFC
- Review SC19 Recommendations
- Highlight any other data gap matters

Brief takeaways:

- Data gaps have continued to decline
- A list of outstanding data gaps remains [refer to paper]
- Standardized ACE template proving effective
- Opportunities to expand data collection and increase efficiencies

Relevant SC20 Papers

ROP Data Management	WCPFC-SC20-2024 <u>ST-IP-03</u>
<u>PROJECT 60</u> : Progress towards achieving SC19 recommendations	WCPFC-SC20-2024 <u>ST-WP-02</u>
<u>PROJECT 90</u> update: Better data on fish lengths and weights for scientific analyses	WCPFC-SC20-2024 <u>ST-IP-04</u>
<u>PROJECT 114</u> : Progress in improving cannery receipt data for WCPFC scientific work	WCPFC-SC20-2024 <u>ST-IP-05</u>
Coverage levels of operational data fields submitted to the WCPFC	WCPFC-SC20-2024 <u>ST-IP-02</u>
Working Papers to be presented during SC20 ST Theme Session	
Proposal from Australia for additional or amended operational data fields for collection within the WCPFC [Discussed at SC19]	WCPFC-SC20-2024 <u>ST-WP-08</u>
FAD minimum data fields to be collected by WCPFC vessel operators	WCPFC-SC20-2024 <u>ST-WP-06</u>

2023 Sci Data Submissions

- Annual Catch ✓
- Aggregate Catch and Effort ✓
- Operational Catch and Effort ✓
 - Two CCMs have low coverage, noting challenges associated with small-scale vessels
 - One CCM still missing several required longline fields
 - Improvements in reporting of shark catches
- Size Data – all but one CCM provided size data ✓

32/34 CCMs satisfied 100% of the binding reporting requirements

2 others met at least 75% of the requirements

Data Gaps and Notes

COUNTRY / TERRITORY / ENTITY	GEAR(s)	Date submitted	DATA-GAP Notes	General NOTES	TIER-SCORING EVALUATION LEVEL
Australia	LL, PS, PL, HL, TR	30 Apr 2024		G, H	III
Canada	TR	13 Apr 2024			III
China	LL, PS	28 Apr 2024			III
Cook Islands	LL, PS, TR	03 May 2024		G, H	III
Ecuador	PS	30 Apr 2024			III
El Salvador	PS	30 Apr 2024			III
European Union	LL, PS	30 Apr 2024			III
Federated States of Micronesia	LL, PS	12 Apr 2024		G, H	III
Fiji Islands	LL, PL	12 Apr 2024		G, H	III
French Polynesia	LL, PL, OT	12 Apr 2024		G, H	III
Indonesia	LL	30 Apr 2024		F	III
	PS, PL, HL, TR, GN, OT	30 Apr 2024		F, J	III
Japan	PS, LL	27 Apr 2024		F, C	III
	PL, TR, OT	27 Apr 2024		F	III

SC19 Recommendations

SC19 Statistics and Data Theme Recommendations Data Gaps of the Commission ³	Summary of Progress
<p>4. [32] SC19 recommended that the WCPFC CCMs, with assistance from the WCPFC SSP where required, indicate: (a) the date/time standard used in their historical operational data submissions to the Commission, and (b) the date/time standard in their operational data, when they are submitted each year in the future. Information to ensure the date/time standard is linked back to GMT/UTC shall also be provided.</p>	<p>8 CCMs have notified the SSP of the date/time standards associated with their fleets. The SSP is working to develop standardized UTC data fields for all operational data sets.</p>
<p>5. [33] SC19 noted the need for data on shortbill spearfish and sailfish catches, as highlighted in the Billfish Research Plan, and recommended that TCC19 determine how to best accommodate the inclusion of these two species into the Science Data to be Provided to the Commission</p>	<p>These changes were adopted by the WCPFC20, and the SciData have been amended to reflect the addition of these two species.</p>



SC19 Recommendations

SC19 Statistics and Data Theme Recommendations Data Gaps of the Commission ³	Summary of Progress
<p>1. [23] SC19 acknowledged the scientific value of the additional longline operational data fields in Table ST-01 and recommended that these fields be considered for inclusion in the <i>Scientific Data to be Provided by the Commission</i> (SciData). [24] However, SC19 noted broad implementation concerns of CCMs with respect to the collection of these data, recommended that TCC and the Regular Session of the Commission take account of these concerns, and suggested a possible option would be to include them as voluntary reporting items.</p>	<p>The additional proposed longline fields may be revisited this year at SC20 (see SC19-ST-WP-03).</p>
<p>2. [25] SC19 acknowledged that the proposal for the addition of a new activity code for any day when a “transshipment at sea occurs” would allow the WCPFC’s Scientific Services Provider (SSP) to define ‘trips’ within the operational data submitted to the Commission. [26] SC19 also noted the explanation from the SSP that aggregating the catch by species in the longline operational data at the trip level (when the trip is terminated by an at-sea transshipment) is fundamental for the validation processes using other independent sources of data (e.g., transshipment observers and carrier declarations) to provide more certainty in the data used in assessments and other work of the Commission. [27] SC19 recommended that this proposal be considered further by TCC and the Regular Session of the Commission.</p>	<p>The additional proposed longline fields may be revisited this year at SC20 (see SC19-ST-WP-03).</p>

SC20 ST-WP-08

SC19 Recommendations

SC19 Statistics and Data Theme Recommendations Data Gaps of the Commission ³	Summary of Progress
<p>6. [38] SC19 recommended WCPFC20 considers this work [developing a FAD logbook for vessel operators] be progressed intersessionally within the FADMO-IWG.</p>	<p>The FADMO-IWG has prepared an update on their progress in a paper to SC20 (PNA and Tokelau, 2024).</p>
<p>7. [41] SC19 noted that the adopted level of 5% observer coverage, which has been in place for over a decade, has not provided good estimates of longline bycatch. Therefore, SC19 recommended that the Commission explore options to expand the observer coverage on longline vessels through both human and electronic approaches in the WCPO so that the SC can provide better estimates of bycatch levels and other metrics from these fleets.</p>	<p>WCPFC20 adopted a provisional increase in observer coverage in association with possible increases in the longline bigeye quota (CMM 2023-01).</p>

SC20 ST-WP-06

SC20 ST-WP-09

Standardizing data submissions

ACE

- ACE Template
- Reporting interface ?

Operational/aggregate catch and effort data

- TUFMAN 2
- E-reporting
- JSON standards – API
- Templates based on current WCPFC standards
- Standard for aggregate data to be proposed

Further standardization possible – would create efficiencies and improved timeliness for data availability each year

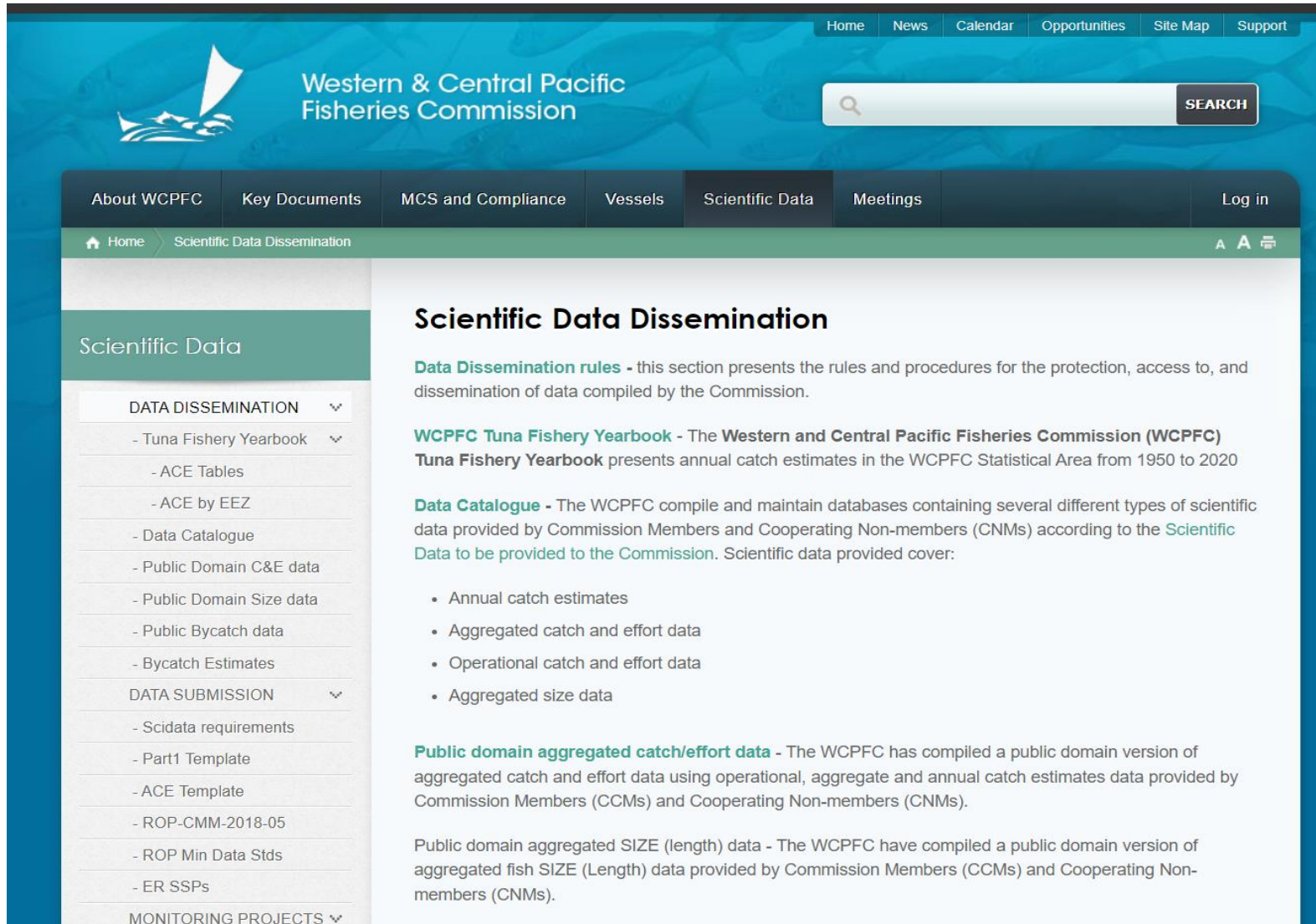
Regional Observer Programme

SC20 ST-IP-03

- Purse seine observer data submissions
- ROP longline coverage by fleet
- Overall longline coverage (5.3% in 2023)
- Transshipment observer data submissions

REGIONAL OBSERVER PROGRAMME (ROP) DATA COVERAGE									
(minimum required for ROP is 5%)									
CCM Fleet	Fishery	Metric selected for Coverage	Total estimated effort	As reported by flag state		Total estimated effort	As per data submission		See NOTES
				Observer	%		Observer	%	
AUSTRALIA	Domestic	No. of Hooks	-	-	-	-	-	-	2, 17
CHINA	Ice/Fresh	No. of Hooks	87,071,665	8,967,442	10.3%	87,071,665	10,544,332	12.1%	3, 10, 11, 22
	Frozen								
COOK ISLANDS	Pacific Islands	Days at Sea	450	90	20.0%	450	90	20.0%	8
EUROPEAN UNION	Distant-water	No. of Trips	17	4	23.5%	17	4	23.5%	4, 10, 19
FSM	Pacific Islands	No. of Trips	-	-	-	-	-	-	26, 27
FIJI	Pacific Islands	No. of Trips	419	83	19.8%	419	83	19.8%	7
FRENCH POLYNESIA	Pacific Islands	Days at Sea	-	-	-	-	-	-	2
INDONESIA	Domestic	No. of Trips	-	-	-	-	-	-	2, 19, 21
JAPAN	Ice/Fresh, short-trip	Days fished	17,369	1,041	6.0%	17,369	1,041	6.0%	10, 18
	Frozen, long-trip	Days fished	7,474	446	6.0%	7,474	446	6.0%	10, 18

WCPFC Data Products



The screenshot shows the Western & Central Pacific Fisheries Commission (WCPFC) website. The header includes navigation links for Home, News, Calendar, Opportunities, Site Map, and Support. The main navigation menu contains About WCPFC, Key Documents, MCS and Compliance, Vessels, Scientific Data, Meetings, and Log in. The current page is 'Scientific Data Dissemination', as indicated by the breadcrumb trail and the page title.

Scientific Data Dissemination

Data Dissemination rules - this section presents the rules and procedures for the protection, access to, and dissemination of data compiled by the Commission.

WCPFC Tuna Fishery Yearbook - The Western and Central Pacific Fisheries Commission (WCPFC) Tuna Fishery Yearbook presents annual catch estimates in the WCPFC Statistical Area from 1950 to 2020

Data Catalogue - The WCPFC compile and maintain databases containing several different types of scientific data provided by Commission Members and Cooperating Non-members (CNMs) according to the **Scientific Data to be provided to the Commission**. Scientific data provided cover:

- Annual catch estimates
- Aggregated catch and effort data
- Operational catch and effort data
- Aggregated size data

Public domain aggregated catch/effort data - The WCPFC has compiled a public domain version of aggregated catch and effort data using operational, aggregate and annual catch estimates data provided by Commission Members (CCMs) and Cooperating Non-members (CNMs).

Public domain aggregated SIZE (length) data - The WCPFC have compiled a public domain version of aggregated fish SIZE (Length) data provided by Commission Members (CCMs) and Cooperating Non-members (CNMs).

The left sidebar contains a 'Scientific Data' menu with the following items:

- DATA DISSEMINATION
 - Tuna Fishery Yearbook
 - ACE Tables
 - ACE by EEZ
 - Data Catalogue
 - Public Domain C&E data
 - Public Domain Size data
 - Public Bycatch data
 - Bycatch Estimates
- DATA SUBMISSION
 - Scidata requirements
 - Part1 Template
 - ACE Template
 - ROP-CMM-2018-05
 - ROP Min Data Stds
 - ER SSPs
- MONITORING PROJECTS

Actions

- Please **review the status of your scientific submissions and any gaps identified** in this and companion papers
- Contact SPC if there are **updates or corrections** required
- The SSP is **available to assist** as necessary to improve gaps or develop efficiencies for data submissions and review
- Revision to this, and accompanying papers, will be made following this session

Thank you