

TECHNICAL AND COMPLIANCE COMMITTEE

Twentieth Regular Session

25 September to 1 October 2024 Pohnpei, Federated States of Micronesia (Hybrid)

Coverage Levels for Operational Data Fields Submitted to the WCPFC

WCPFC-TCC20-2024-IP05_rev1¹
13 September 2024

Submitted by the SPC-OFP

¹ The original paper was tabled at SC20 on 28 July 2024 as SC20-ST-IP01 <u>Coverage Levels for Operational Data Fields Submitted to the WCPFC</u>



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Paper prepared by

Oceanic Fisheries Programme (OFP) Pacific Community (SPC)

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Introduction

- 1. SC17 noted that the evaluation on data gaps regarding provision of operational catch and effort data required under the Scientific Data to be Provided by the Commission (SciData) is based on whether the field is included in a data submission, rather than on an evaluation of data quality or completeness. Even if a data field is included in the data submission, it is possible that it may not be completed for each fishing operation, but this level of completeness (coverage) for each data field has not been undertaken to date.
- 2. The following SC17 recommendation requesting the coverage for each operational data field, is aimed at improving the quality and completeness of the data in the future.

Data gaps of the Commission

- 4. SC17 recommended that the SSP add a new annex to the data gaps paper to include a breakdown of the coverage levels for each operational data field by year and fleet.
- 3. This paper provides the latest tables (Tables 2–37) of the estimated coverage of data provided by GEAR, FLEET and YEAR, and the coverage levels for each required operational catch and effort data field by GEAR, FLEET and YEAR. Table 1 provides supplementary information on the format and contents of the tables presented in this paper, although some tables have additional notes for clarity.

NOTES

White cells indicate years when the fleet was not active

Cells with an 'X' and gray background indicate years when the fleet was active but operational data was not provided or yet to be loaded into the WCPFC databases. For example, (i) some logbook data have been received from Indonesia but coverage is very low (not representative) and key fields are missing so the data have not been loaded, and (ii) logbook data have been received from Vietnam but they are using a national logbook and differentiation between longline and handline has not yet been finalized in the data submitted.

Coverage is represented with a % and colour coded to facilitate an overall visual impression of trends over time for each fleet.

Coverage of operational data is based on the ratio of logbook reported catch of key tuna species¹ to the annual catch estimates. Therefore, coverage estimates reported here could be influenced by several factors including the portion of the annual catch estimates for which logbook data are provided (e.g., Japan doesn't report logbook data for their coastal fleet north of 20N) and by conversion factors from numbers to weight (e.g., in the case of some discard data). To better reflect operational coverage for Japan, the aggregate data for the region south of 20N have been used to compare to the logbook data for the same area.

This evaluation does not consider the special submission of historical operational longline data provided by Japan, Korea, Chinese Taipei and the USA which are specifically used for CPUE standardization analyses. The requirements for these data are different to the requirements under the Scientific Data to be Provided by the Commission and so have not been considered here.

In some cases, the data fields for trip-level departure, return/unloading/transhipment information were not provided, although there is information available within daily records, and/or through VMS data to indicate the trip-level departure/return data fields. These tables represent the coverage when data fields for trip-level departure, return/unloading/transhipment information are provided only.

Table 1: Notes on the information presented in the tables of this paper

- 4. The WCPFC Scientific Service Provider (SSP) continues to engage with relevant CCMs to resolve some of the gaps presented in these tables.
- 5. This paper also provides an indication of the frequency of data (i.e. the number of CCMs providing data) for additional fields that are not currently required under the SciData (see Tables 38 and 48).

Longline fishery operational data fields

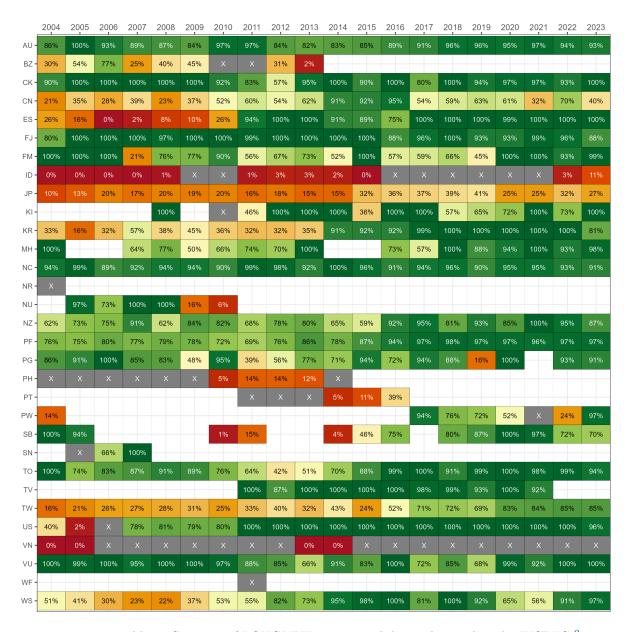


Table 2: Coverage of LONGLINE operational data submitted to the WCPFC ²

Swordfish is included as a key species for the EU fleet

The coverage of operational data provided has been determined by comparing the total catch in weight of the target species (i.e., ALB, BET, SKJ, YFT) available in the operational data to the total annual catch estimate of the target species

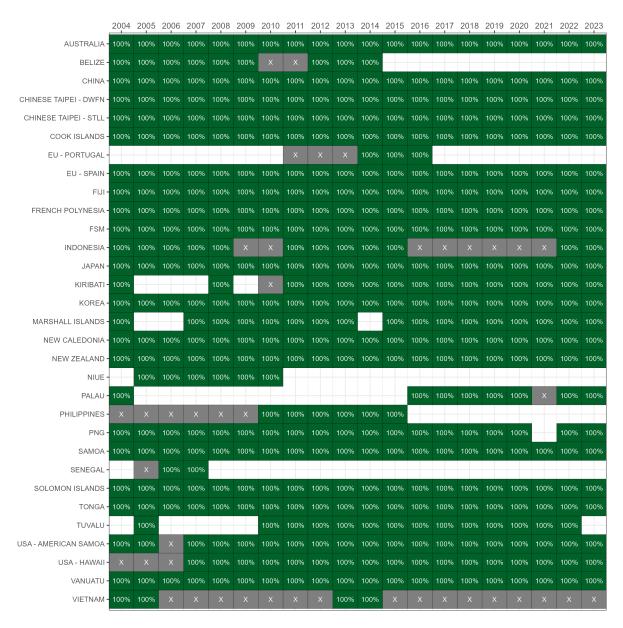


Table 3: Coverage of levels of the VESSEL IDENTIFIER field - LONGLINE

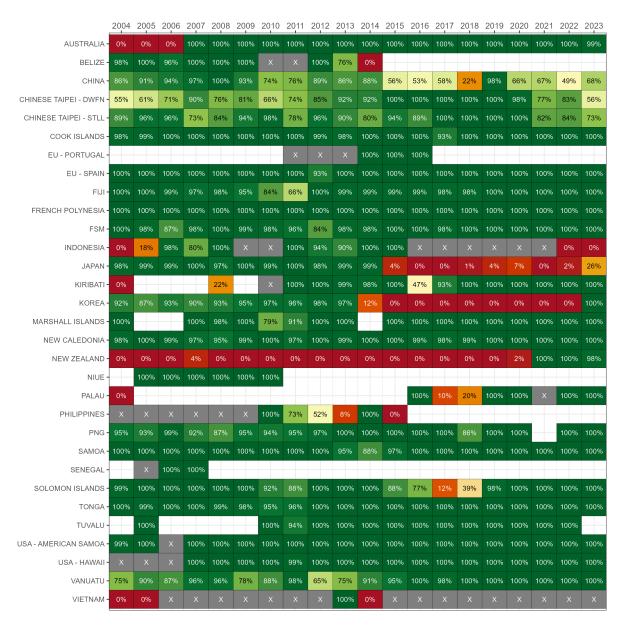


Table 4: Coverage of levels of the DEPARTURE PORT field - LONGLINE

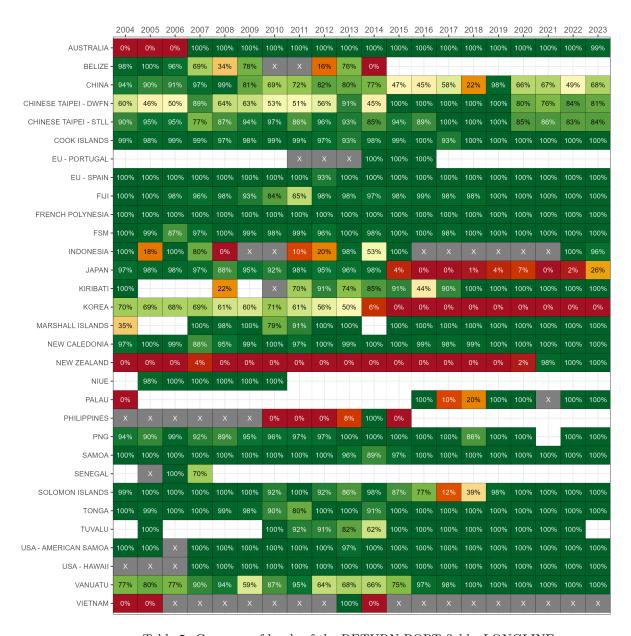


Table 5: Coverage of levels of the RETURN PORT field - LONGLINE

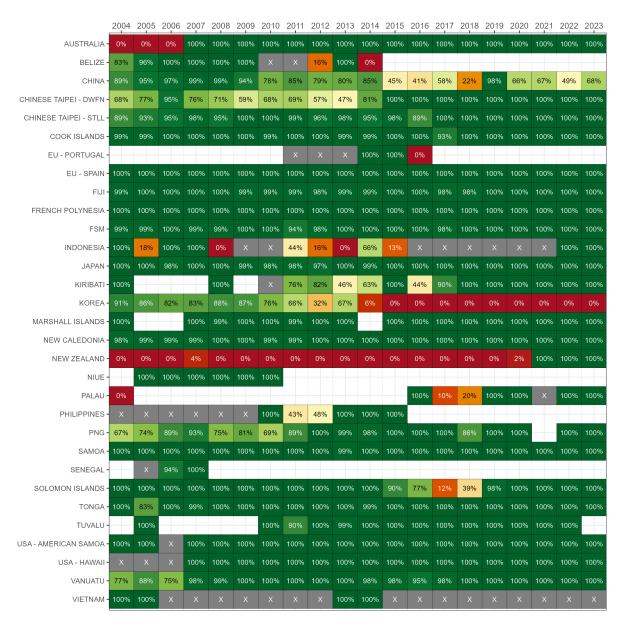


Table 6: Coverage of levels of the DEPARTURE DATE field - LONGLINE

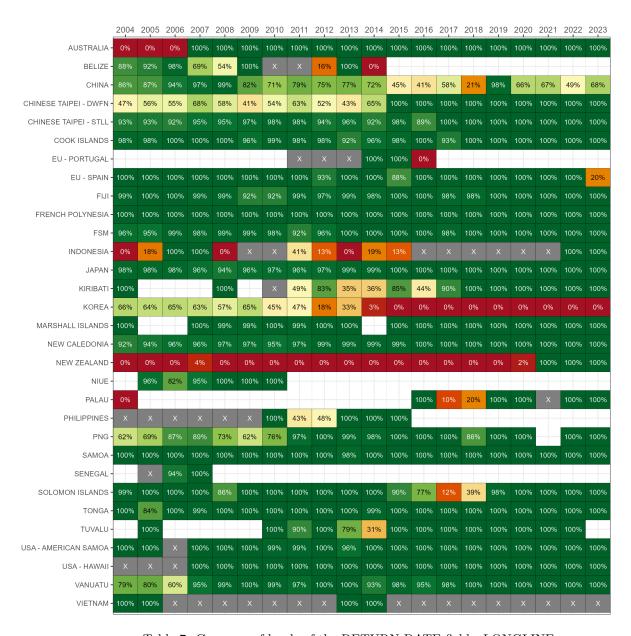


Table 7: Coverage of levels of the RETURN DATE field - LONGLINE

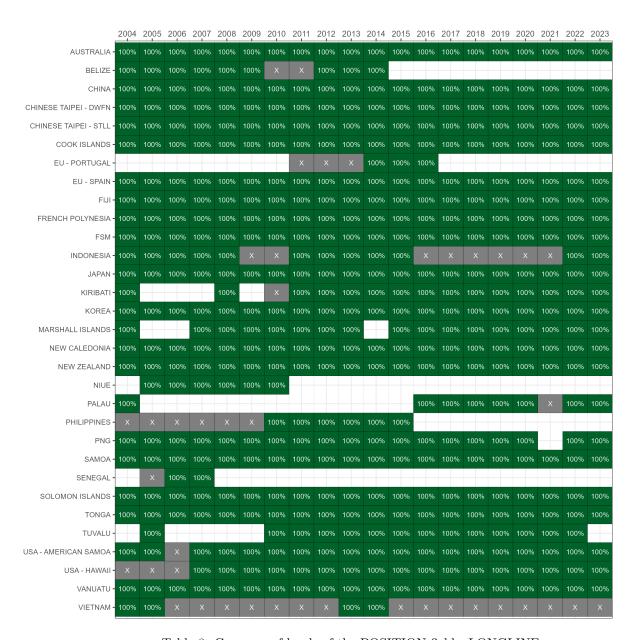


Table 8: Coverage of levels of the POSITION field - LONGLINE

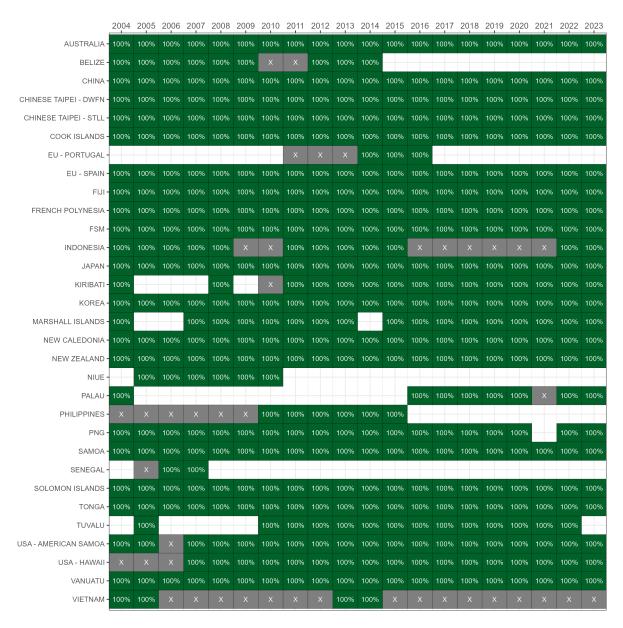


Table 9: Coverage of levels of the ACTIVITY field - LONGLINE

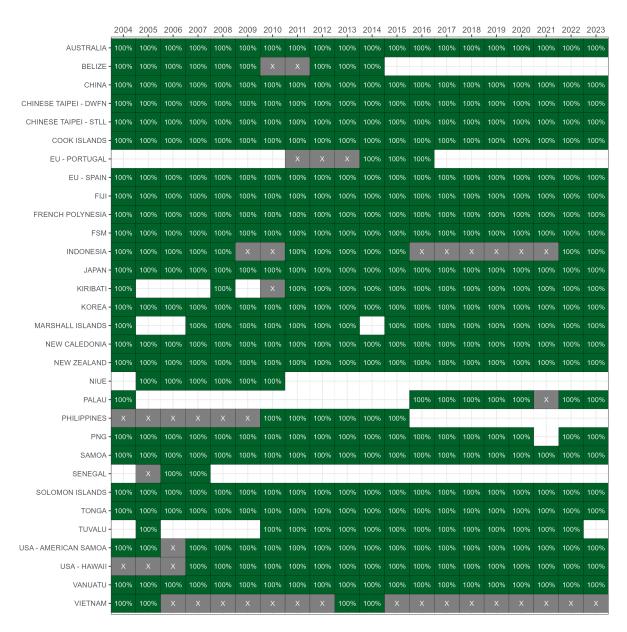


Table 10: Coverage of levels of the ACTIVITY DATE field - LONGLINE

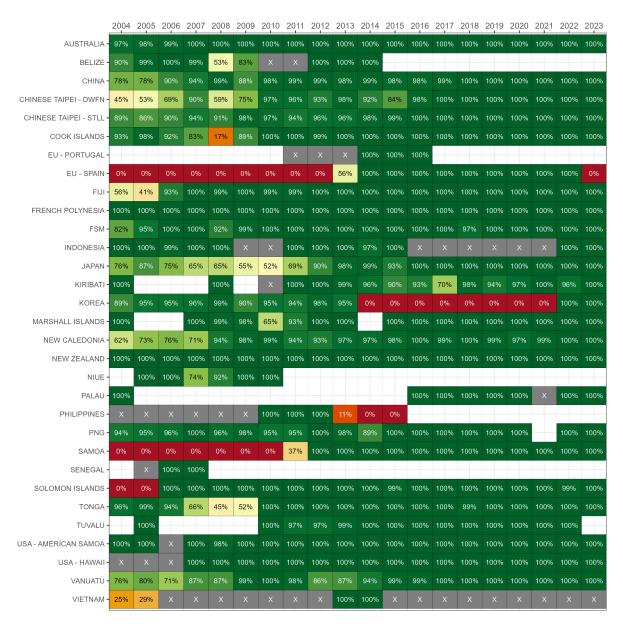


Table 11: Coverage of levels of the SET START TIME field - LONGLINE

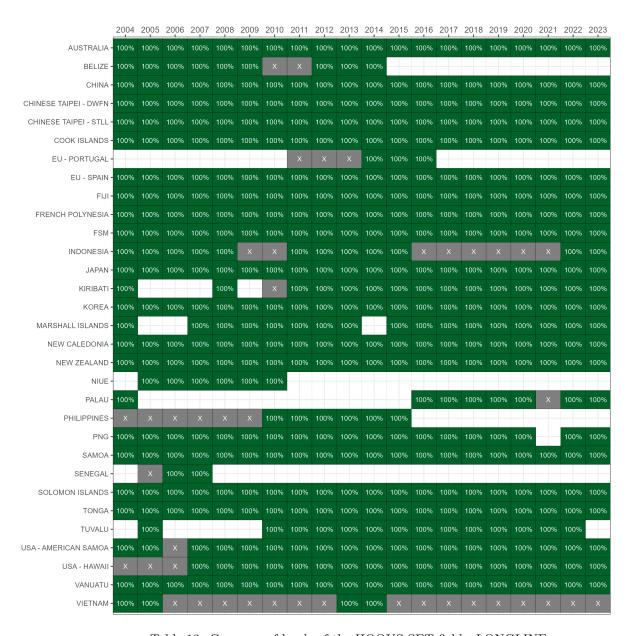


Table 12: Coverage of levels of the HOOKS SET field - LONGLINE

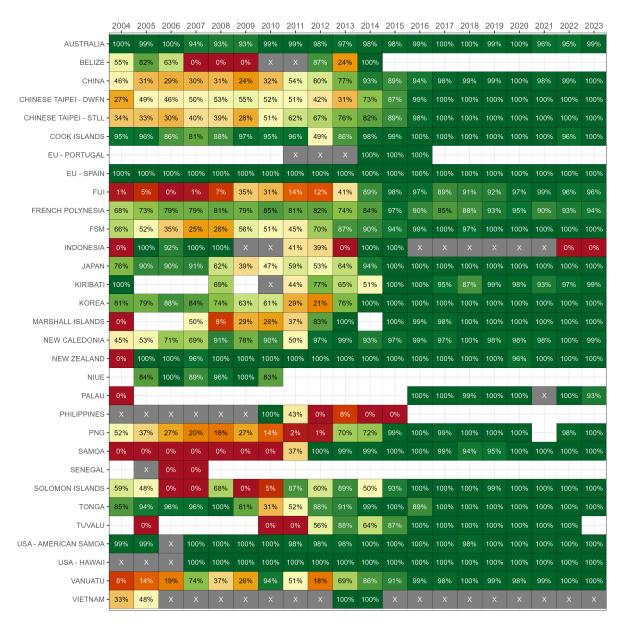


Table 13: Coverage of levels of the HOOKS BETWEEN FLOATS field - LONGLINE

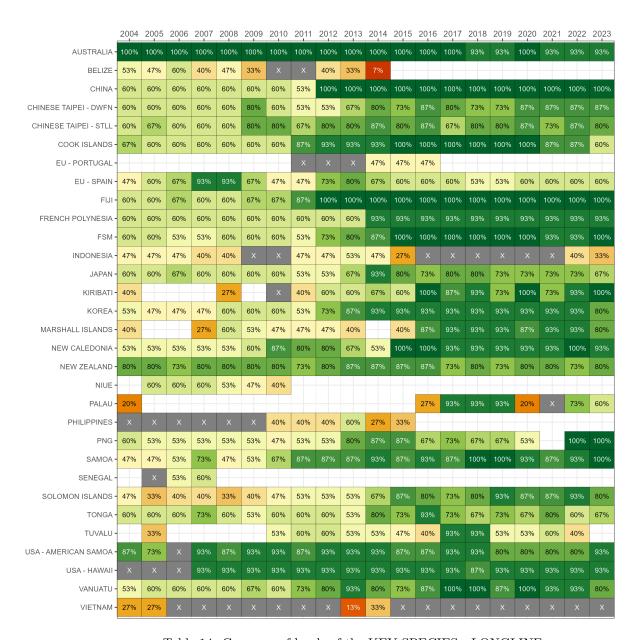


Table 14: Coverage of levels of the KEY SPECIES - LONGLINE

Purse seine fishery operational data fields

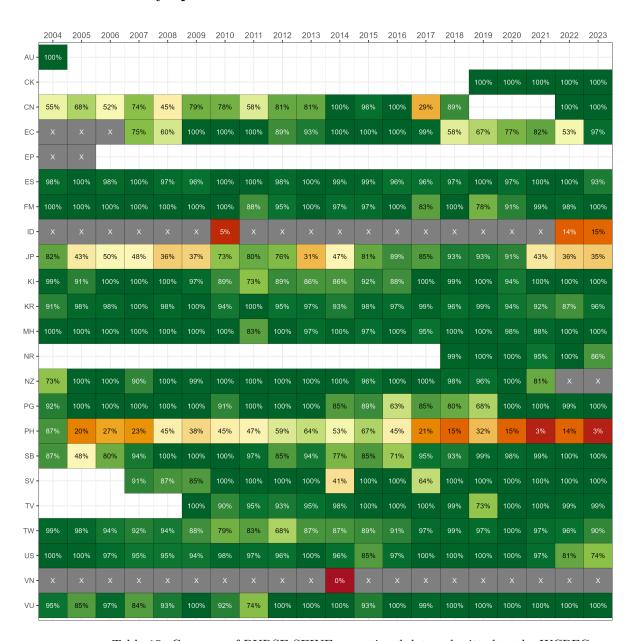


Table 15: Coverage of PURSE SEINE operational data submitted to the WCPFC

³The coverage of operational data provided has been determined by comparing the total catch in weight of the target species available in the operational data, to the total annual catch estimate of the target species ⁴The coverage of operational data for Japan is for the tropical fishery only (south of 20°N).

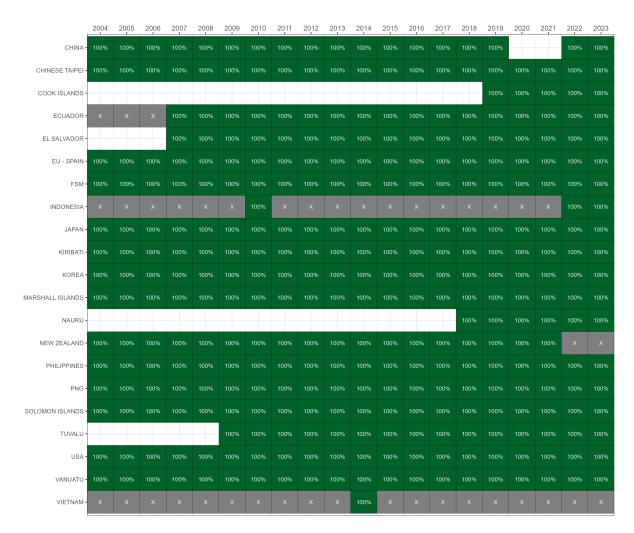


Table 16: Coverage of levels of the VESSEL IDENTIFIER field - PURSE SEINE



Table 17: Coverage of levels of the DEPARTURE PORT field - PURSE SEINE



Table 18: Coverage of levels of the RETURN PORT field - PURSE SEINE

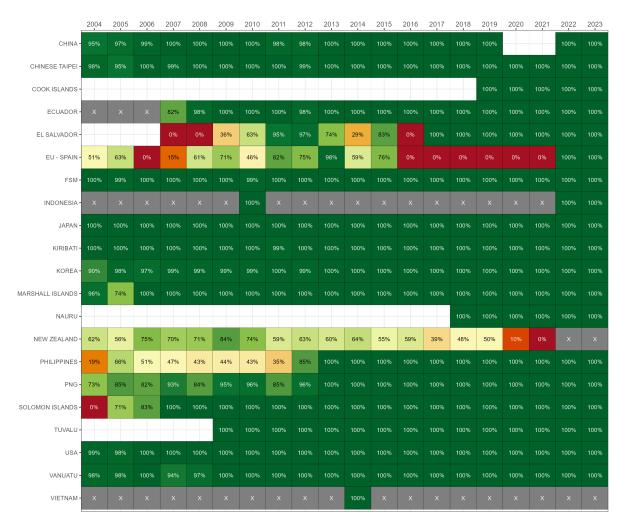


Table 19: Coverage of levels of the DEPARTURE DATE field - PURSE SEINE



Table 20: Coverage of levels of the RETURN DATE field - PURSE SEINE

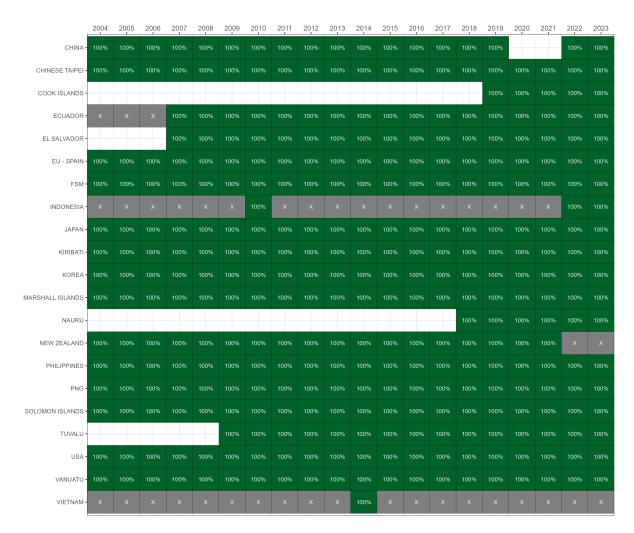


Table 21: Coverage of levels of the POSITION field - PURSE SEINE

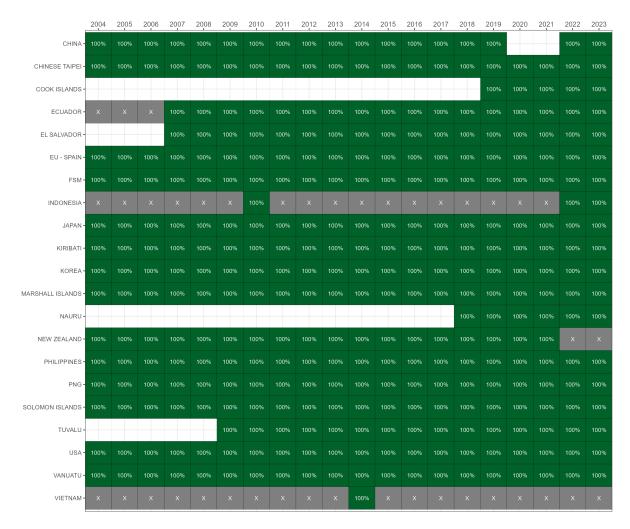


Table 22: Coverage of levels of the ACTIVITY field - PURSE SEINE

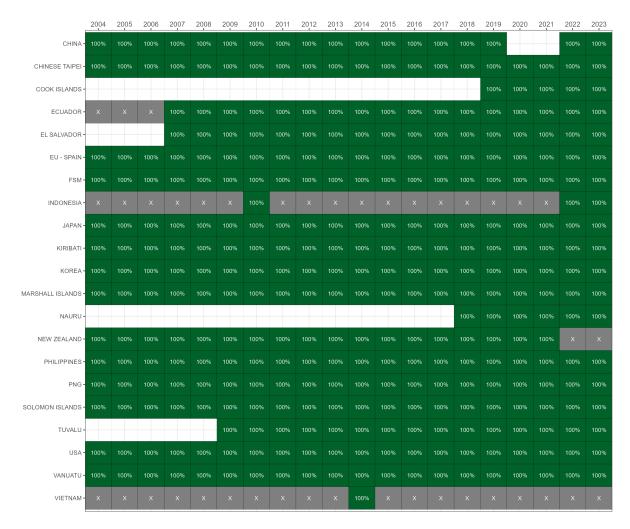


Table 23: Coverage of levels of the ACTIVITY DATE field - PURSE SEINE

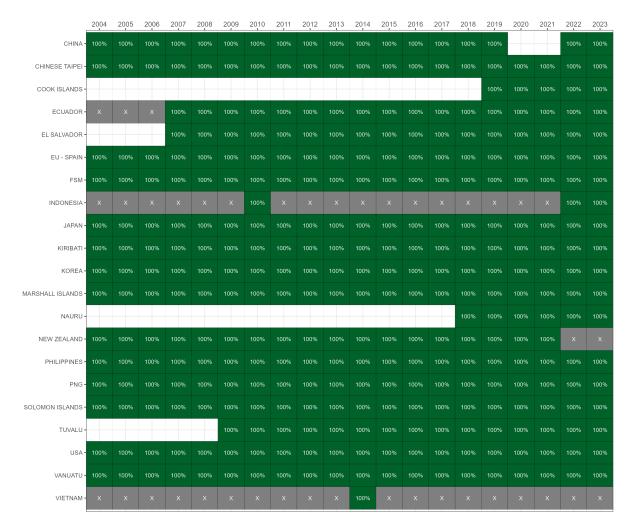


Table 24: Coverage of levels of the SET START TIME field - PURSE SEINE



Table 25: Coverage of levels of the SET END TIME field - PURSE SEINE



Table 26: Coverage of levels of the SET TYPE field - PURSE SEINE



Table 27: Coverage of levels of the KEY SPECIES - PURSE SEINE

Pole-and-line fishery operational data fields

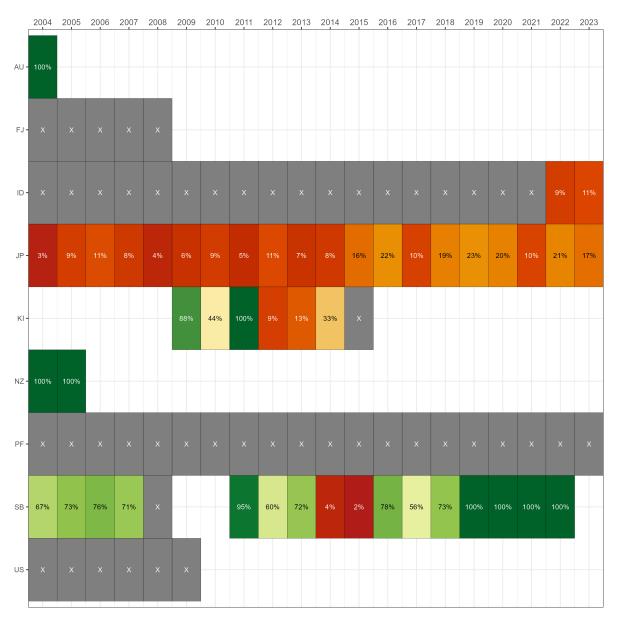


Table 28: Coverage of POLE-AND-LINE operational data submitted to the WCPFC 5

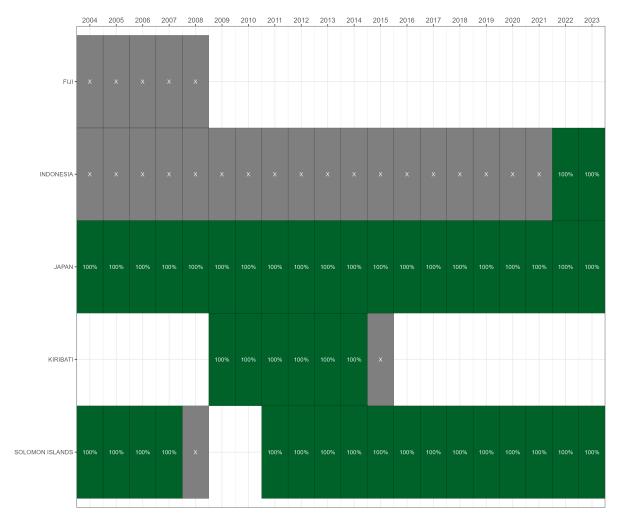


Table 29: Coverage of levels of the VESSEL IDENTIFIER field - POLE-AND-LINE

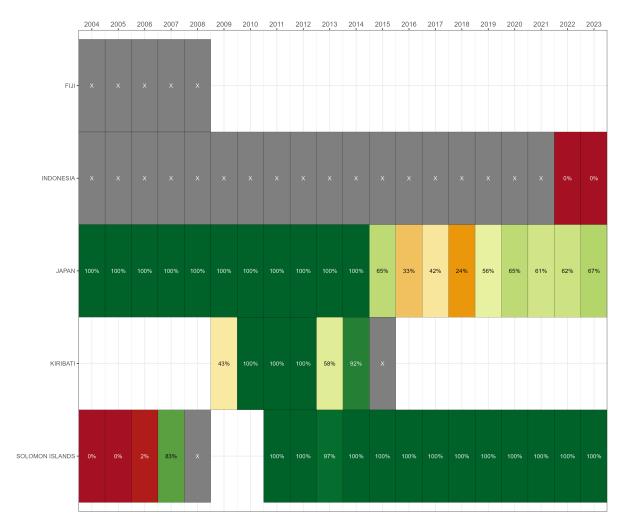


Table 30: Coverage of levels of the DEPARTURE PORT field - POLE-AND-LINE

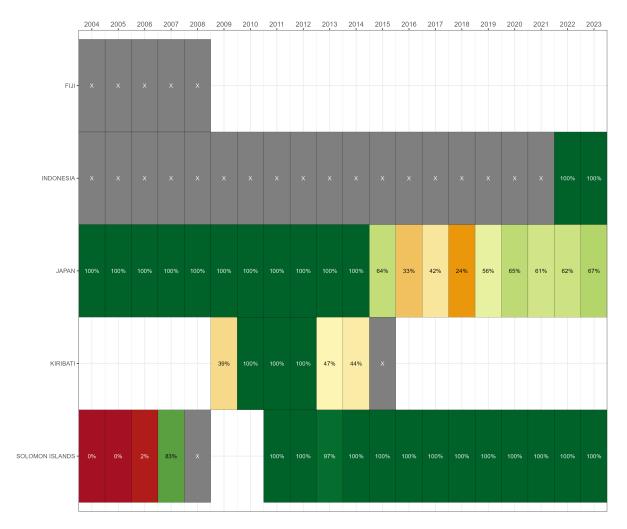


Table 31: Coverage of levels of the RETURN PORT field - POLE-AND-LINE

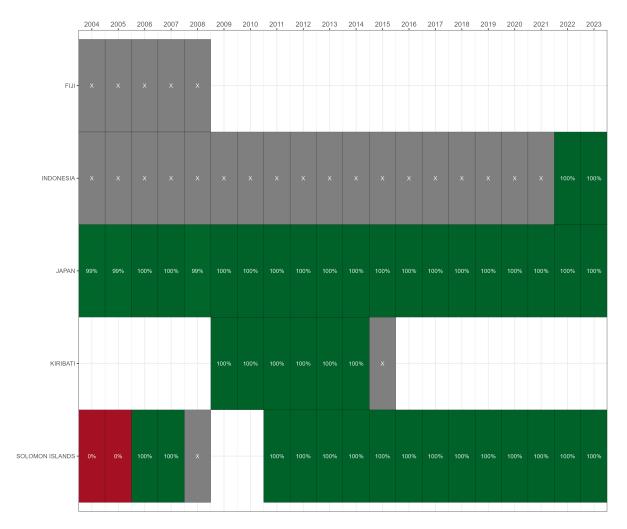


Table 32: Coverage of levels of the DEPARTURE DATE field - POLE-AND-LINE

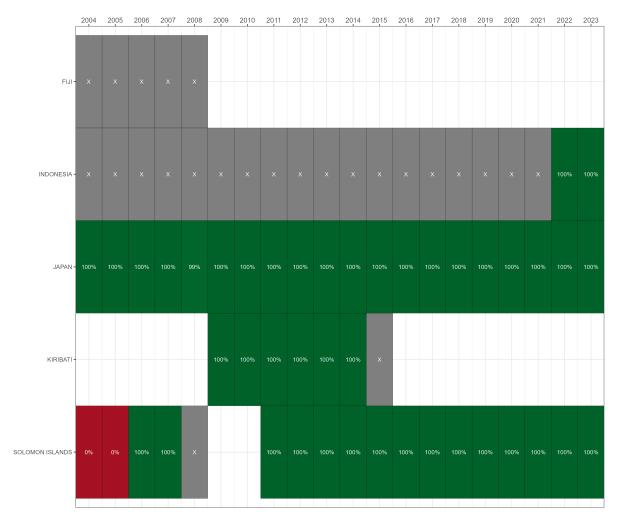


Table 33: Coverage of levels of the RETURN DATE field - POLE-AND-LINE

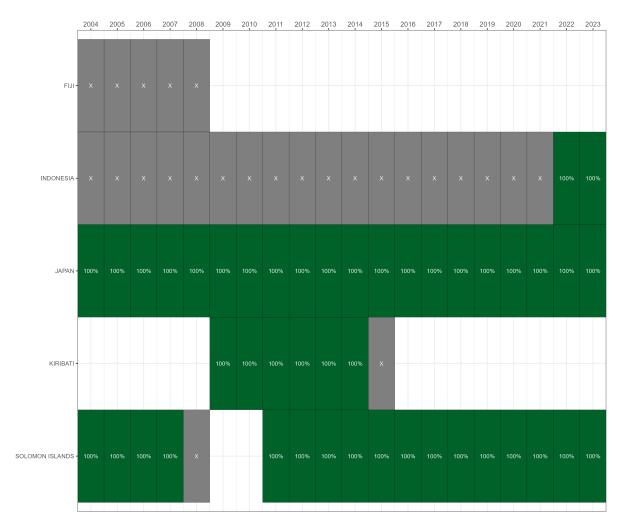


Table 34: Coverage of levels of the POSITION field - POLE-AND-LINE

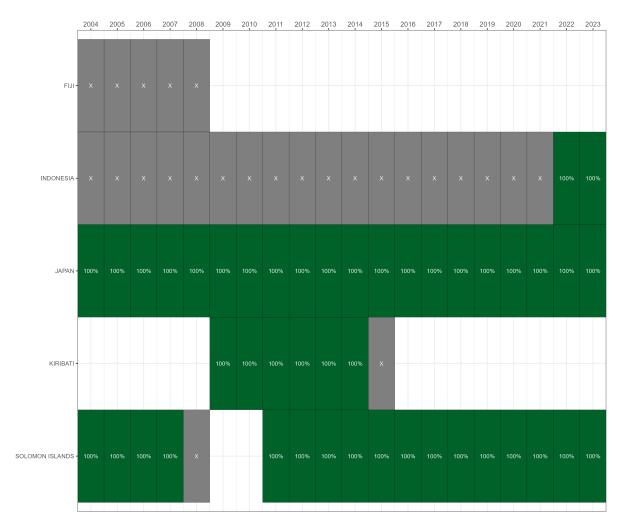


Table 35: Coverage of levels of the ACTIVITY field - POLE-AND-LINE

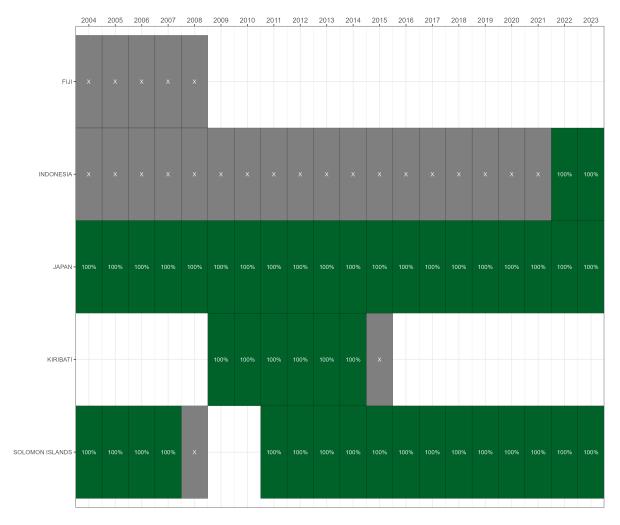


Table 36: Coverage of levels of the ACTIVITY DATE field - POLE-AND-LINE

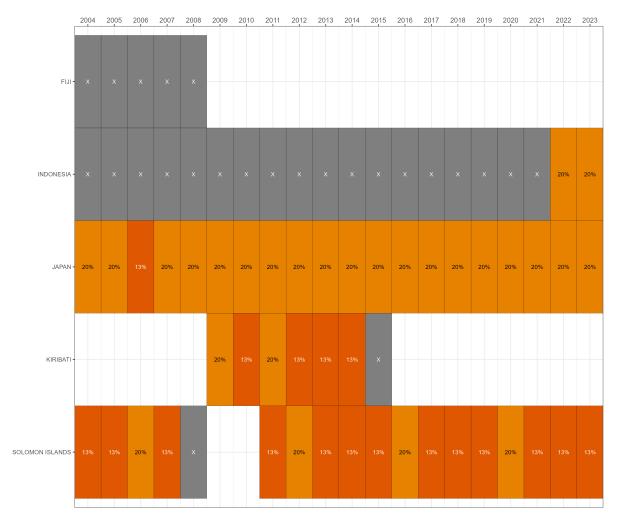


Table 37: Coverage of levels of the KEY SPECIES - POLE-AND-LINE

Summary of additional operational fields by gear type

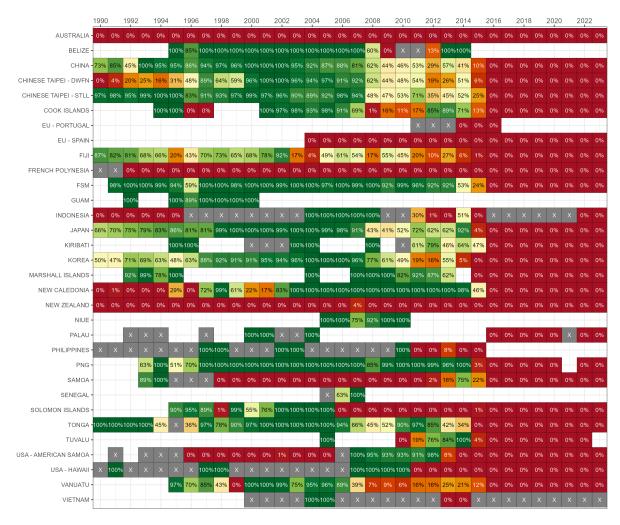


Table 38: Coverage of levels of the BAIT TYPE field - LONGLINE



Table 39: Coverage of levels of the NUMBER OF BASKETS field - LONGLINE



Table 40: Coverage of levels of the BRANCHLINE LENGTH field - LONGLINE

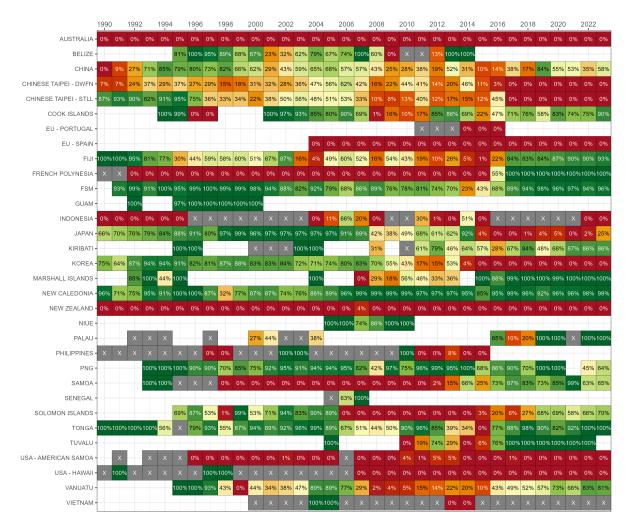


Table 41: Coverage of levels of the CAPTAIN field - LONGLINE



Table 42: Coverage of levels of the CREW NUMBER field - LONGLINE



Table 43: Coverage of levels of the DISTANCE BETWEEN FLOATS field - LONGLINE



Table 44: Coverage of levels of the FLOATLINE LENGTH field - LONGLINE

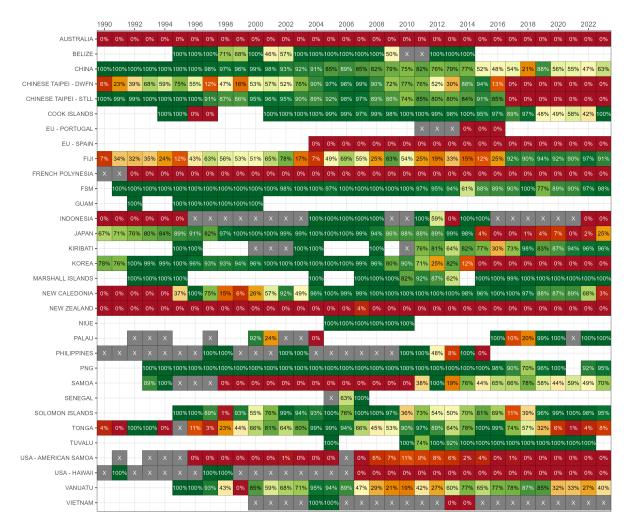


Table 45: Coverage of levels of the PERMIT field - LONGLINE



Table 46: Coverage of levels of the SET NUMBER field - LONGLINE

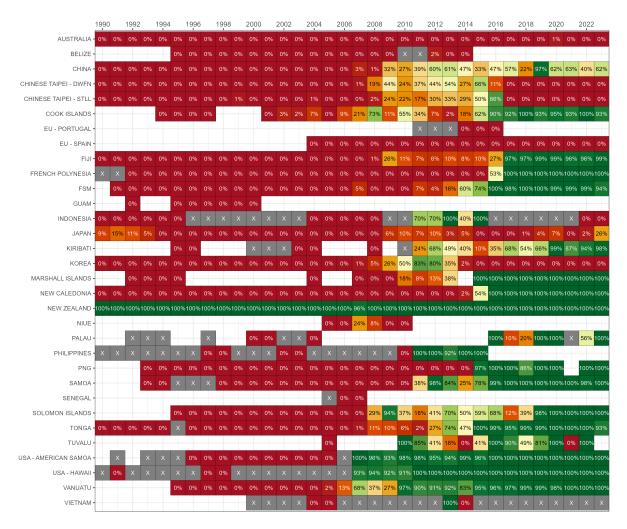


Table 47: Coverage of levels of the TARGET SPECIES field - LONGLINE

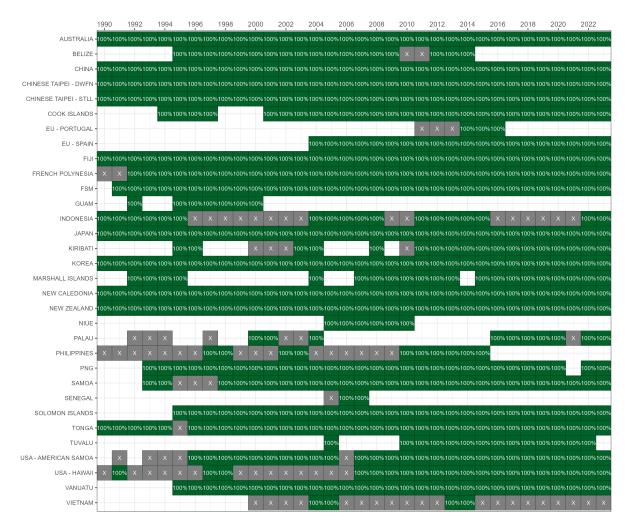


Table 48: Coverage of levels of the WHALE PREDATION field - LONGLINE