

6.1.1 Review of tasks and recommendations on Blue Mackerel



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Table of tasks for the SWG BM in 2025 (SC09 Report)

- Evaluate the influence of environmental variables on the life history, biology, and population dynamics
- Prepare stock assessment summary
- Update catch and effort data among members
- Calculate ratio of BM and CM in catches
- Revise and update species summary document
- Provide a summary of its 2024 stock assessment at SC10
- Prepare slide(s) to SC Chair for presentation to COM

No progress
Partly done
Done

1st Joint meeting: 22 July 2025

2nd Joint meeting: 21-22 October 2025

Updating catch biological data (1st meeting)

Annual footprint

NPFC-2025-AR-Annual Summary Footprint - Chub&Blue Mackerels

Annual Report Summary Table - Chub mackerel + Spotted mackerel

Catch in metric ton78,487

Year	China				Japan				Russia						
	Total	Purse seine	Pelagic trawl		Total	Purse seine	Bottom trawl	Others	Total	Bottom trawl	Purse seine	Mid-water trawl		Other	
		CA	NW	CA		NW	CA	NW		NW	NW	CA	NW	CA	
2024	72,367	69,227	0	3,140	78,487	28,979	0.48	49,508	7,233	0	60	5,547	1,431	194	0.25
2023	48,850	47,244	0	1,606	113,935	48,738	0	65,197	15,540	0	90	13,606	0	1,844	1
2022	110,856	108,241	0	2,615	171,939	88,578	0	83,361	49,894	32	255	48,840	4	763	0
2021	108,266	95,621	0	12,645	302,434	214,347	1	88,086	87,388	361	525	83,806	1,188	1,502	7

Biological data***

	A	B	C	D	E	F	G
1				Individuals on Length class (cm)			
2	Year	Quarter	Region	5	6	7	8
3	2016	1	East	0	0	0	0
4	2016	2	East	0	43201	18059	22741
5	2016	3	East	0	0	0	0
6	2016	4	East	0	0	0	0
7	2016	1	West	0	0	0	0
8	2016	2	West	0	69373	31749	38654
9	2016	3	West	0	0	0	0
10	2016	4	West	0	0	0	0
11	2017	1	East	0	0	0	0
12	2017	2	East	0	2372	2957	3152
13	2017	3	East	0	0	0	0
14	2017	4	East	0	0	0	0

- Length-weight relationship
- Catch number at body length
- Catch tons at body length

Lead of SWG BM asked the members to submit the data with the template

Calculating ratio of BM and CM in catches (1st meeting)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		NPFC-2025-AR-Annual Summary Footprint - Chub&Blue Mackerels														
2	Annual Report Summary Table - Chub mackerel + Spotted mackerel															
3																
4	Catch in metric ton78,487															
5	Year	China				Japan				Russia						
Total		Purse seine	Pelagic trawl		Total	Purse seine	Bottom trawl	Others	Total	Bottom trawl	Purse seine	Mid-water trawl		Other		
		CA	NW	CA		NW	CA	NW		NW	NW	CA	NW	CA		
8	2024	72,367	69,227	0	3,140	78,487	28,979	0.48	49,508	7,233	0	60	5,547	1,431	194	0.25
9	2023	48,850	47,244	0	1,606	113,935	48,738	0	65,197	15,540	0	90	13,606	0	1,844	1
10	2022	110,856	108,241	0	2,615	171,939	88,578	0	83,361	49,894	32	255	48,840	4	763	0

Ratio of BM and CM has not been published in official statistics of NPFC



Lead of SWG BM suggested to add the ratio to the Annual footprint

Fishery activities and data collection status in China (1st meeting)

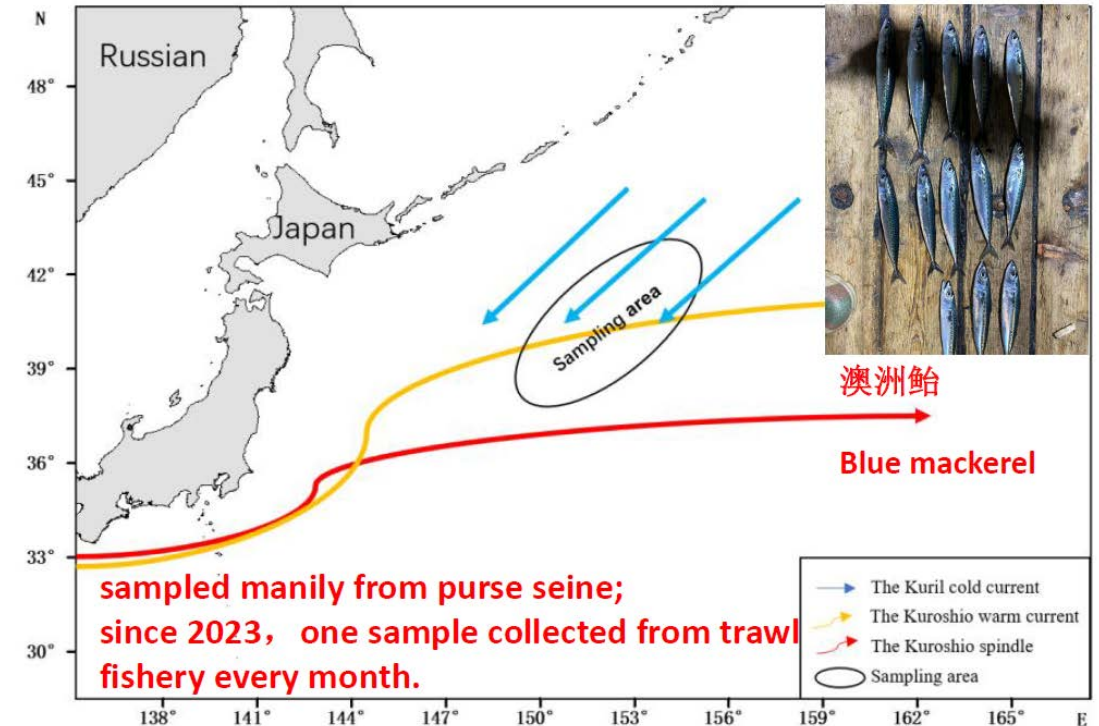


light-purse seine



In 2024, 103 vessels engaged in fishing activities in the NPFC convention area during April to December.

1. Blue Mackerel fishery data



Chinese colleagues kindly shared fishery activities and data collection status in China

Adding CM/BM ratio to the annual footprint (2nd meeting)

	A	B	C	D
1	Ratio of Chub mackerel to Chub+Blue mackerel catch in weight			
2	*The ratio is based on catch tonnage			
3	Year	China	Japan	Russia
4	2024	0.940	0.755	1
5	2023	0.855	0.763	1
6	2022	0.750	0.856	1
7	2021	0.940	0.900	1
8	2020	0.848	0.892	1
9	2019	0.890	0.905	1
10	2018	0.870	0.891	1
11	2017	0.940	0.894	1
12	2016	0.880	0.864	1
13	2015	0.900	0.787	1
14	2014		0.687	1
15	2013		0.533	

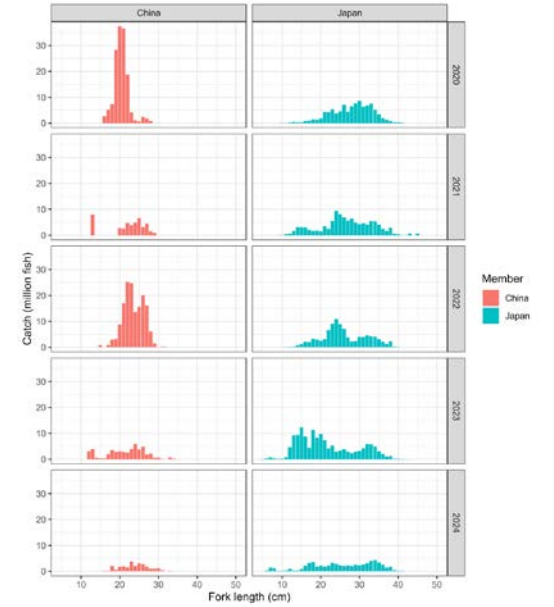
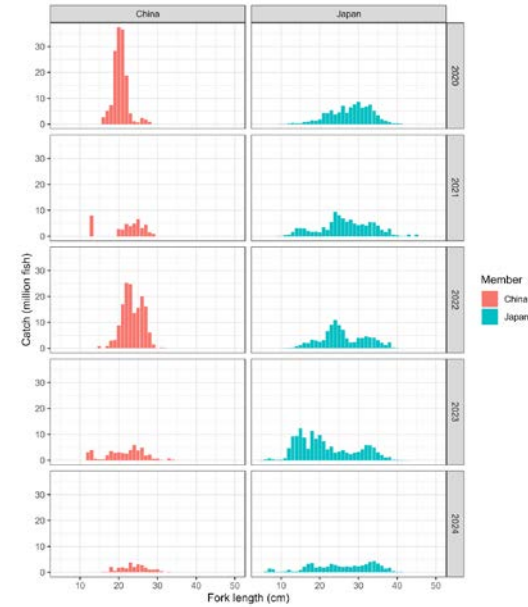
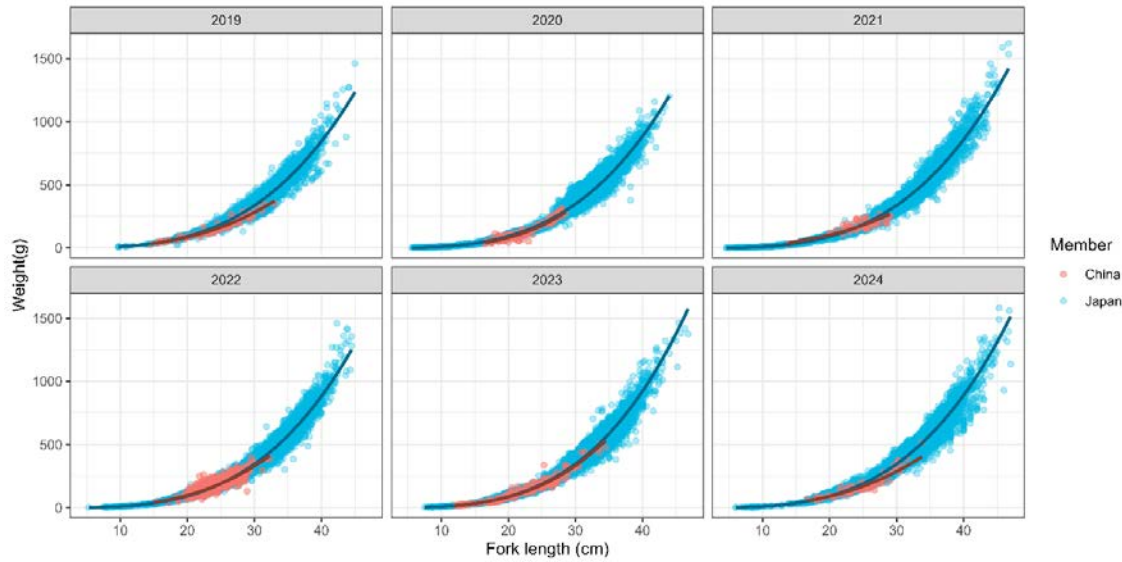
The Secretariat and the Lead proposed
a format for reporting the ratio in the
Annual Footprint



All members accepted the format and
provided the corresponding values

The CM/BM ratio will be published
in the Annual Footprint starting in 2026

Updating the species summary documents (2nd meeting)



All members submitted the biological data to the Collaboration Site

<https://collaboration.npfc.int/node/79>

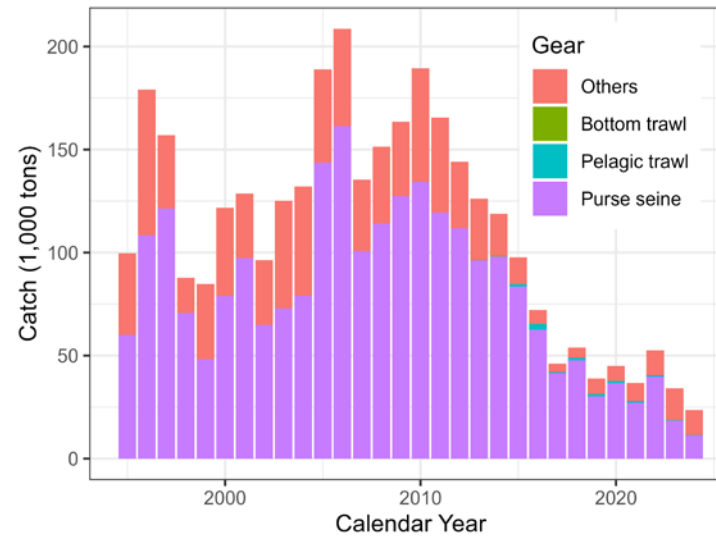
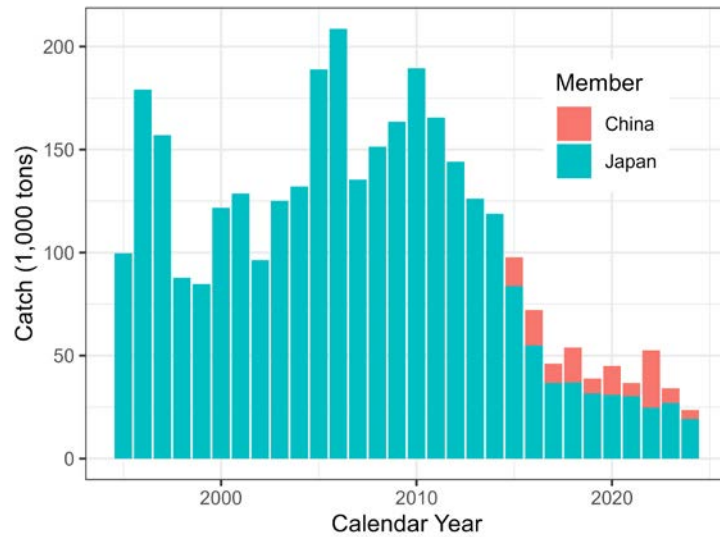


The Lead suggested to add biological data to the species summary



Blue mackerel (*Scomber australasicus*)

Total catch



Comments

- Japanese catch is from National waters
- Chinese catch is from the Convention ARea,
- Russian catch is negligible, Blue mackerel
- catches are based on the ratio of blue mackerel to chub mackerel in sampled catch

Anticipated activities during the coming year

- Data sharing
- Update the species summary
- develop a tool for observers/fishers to easily distinguish between CM and BM while at sea (suggested by chair)
- Any others?