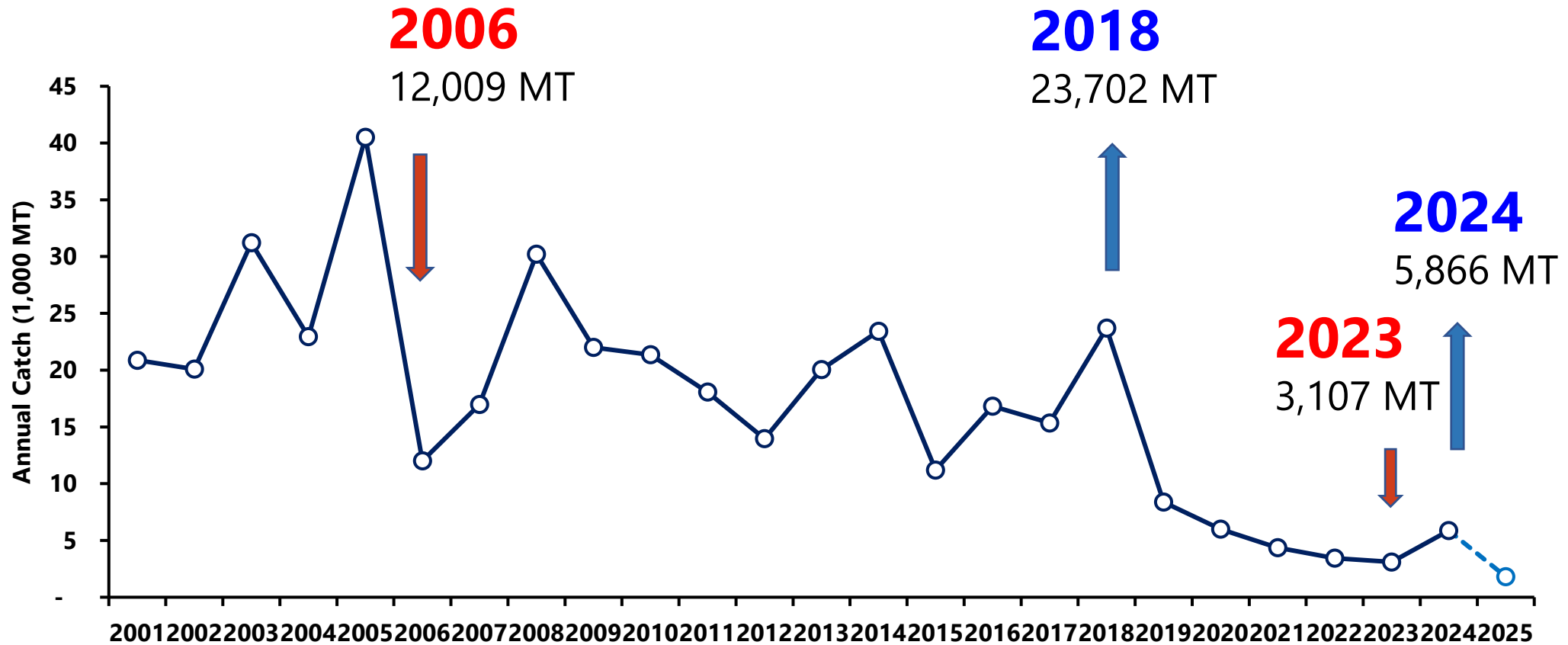


# **Korean Stick-held dip net (SHDN) Fishery Status up to July 2025**

**National Institute of Fisheries Science**

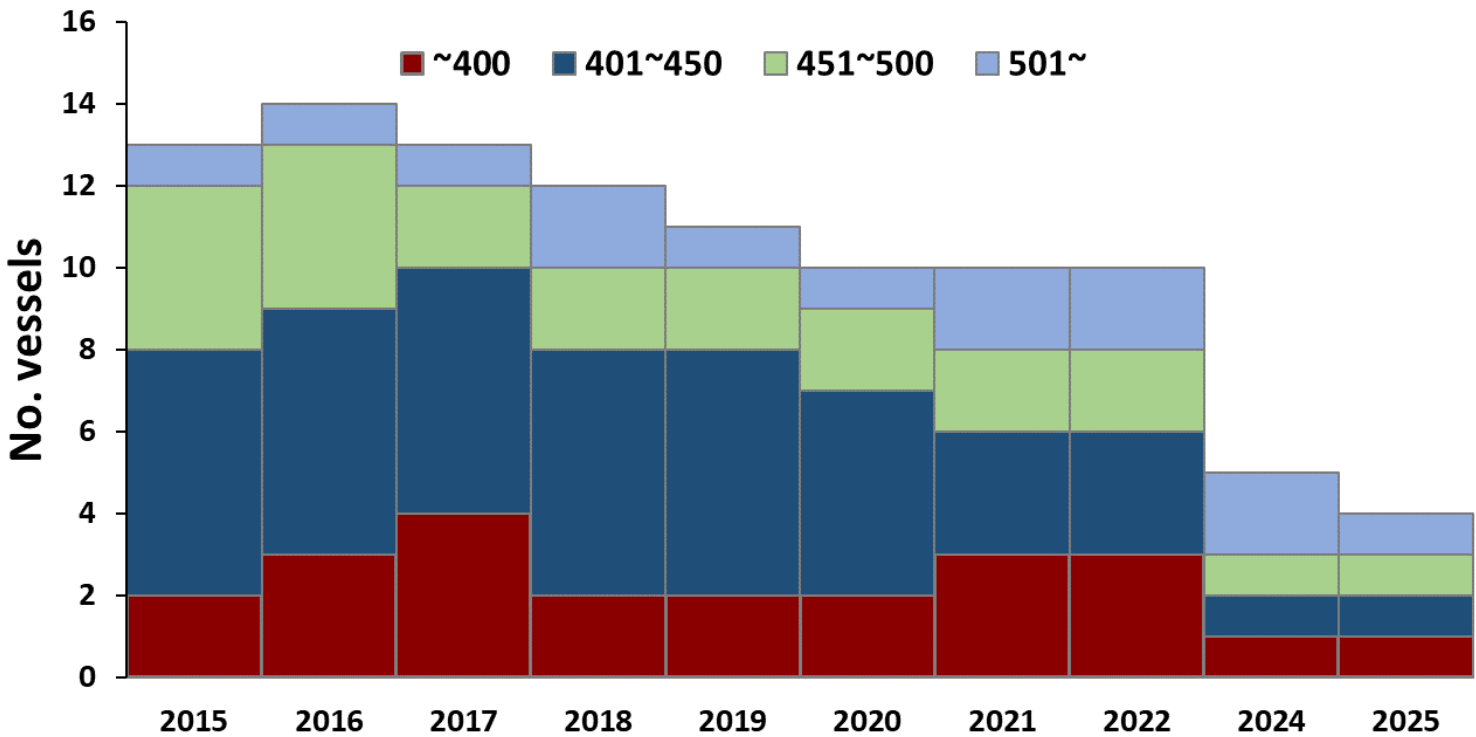
**Republic of Korea**

# Pacific Saury Annual Catch



- Annual catch decreased continuously from 2018 to 2023, but it has increased slightly since 2024.
- By July 2025, the annual catch reached to 1,818 tonnes, about 29% higher than the same period last year.

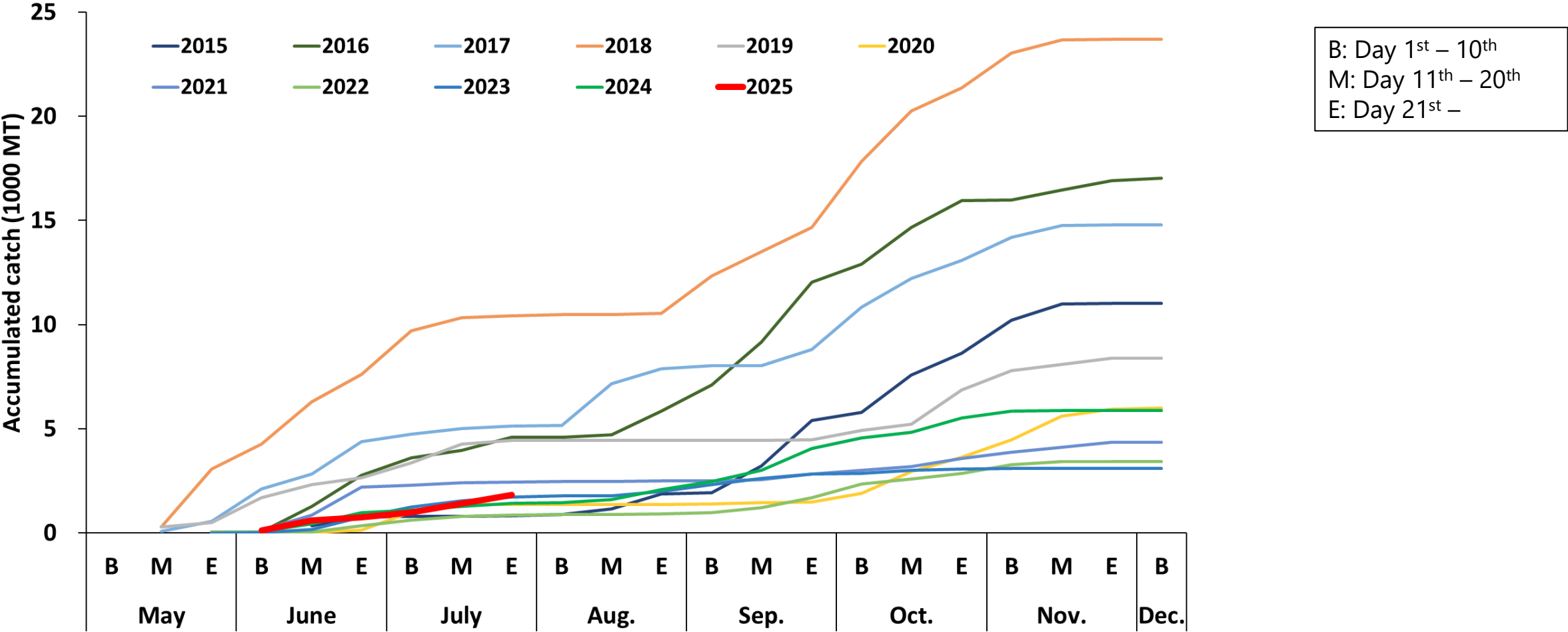
# Number of Korean SHDN Vessels



GT	2022	2023	2024	2025
~400	3	2	1	1
401~450	3	1	1	1
451~500	2	2	1	1
501~	2	1	2	2
Total	10	6	5	4

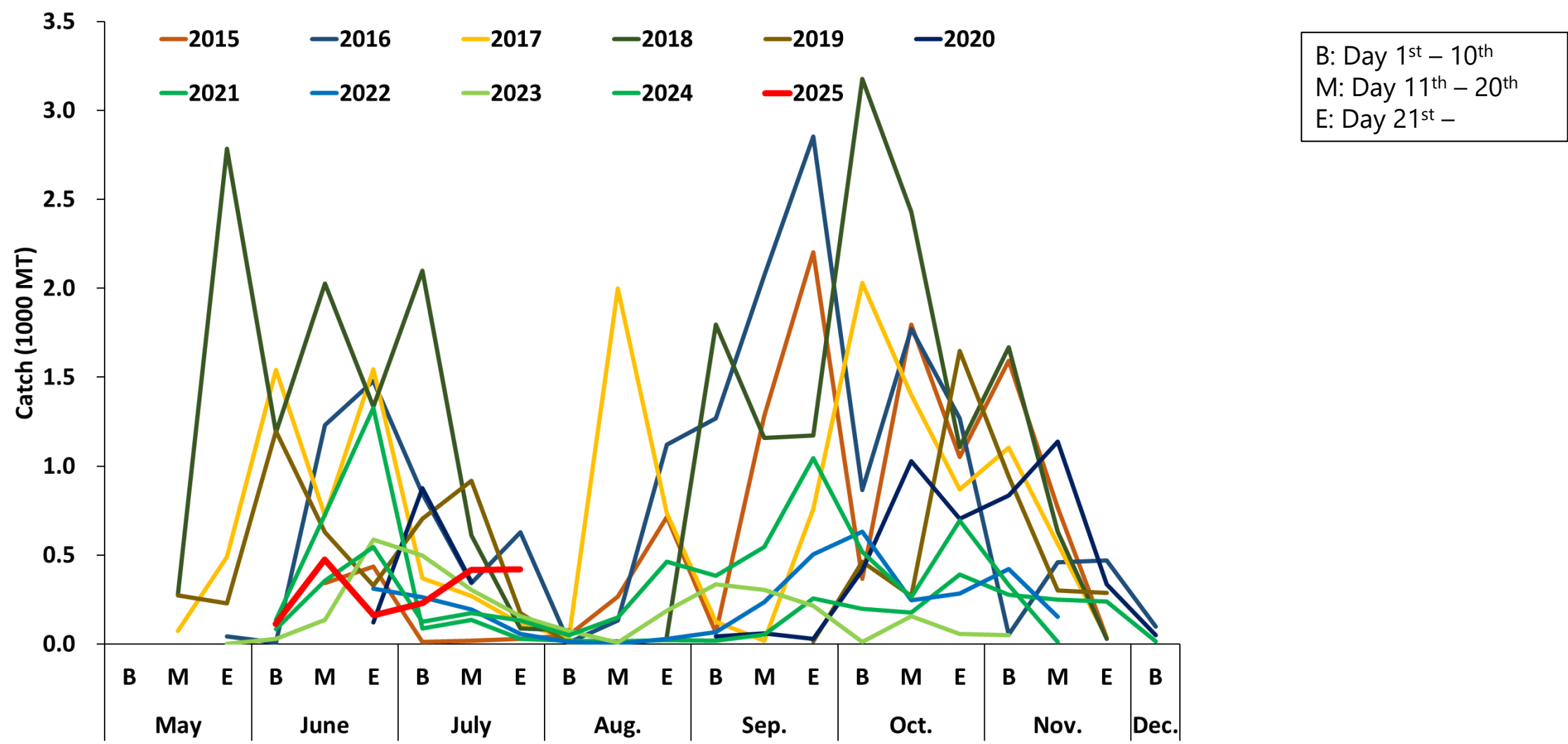
- 14 to 10 SHDN vessels operated from 2015 to 2022 each year.
- The number of Korean SHDN Vessels has decreased gradually.
- In 2025, 4 fishing vessels are in operation compared with 5 vessels last year due to the continued low catch level of PS since 2018.

# Accumulated Catch



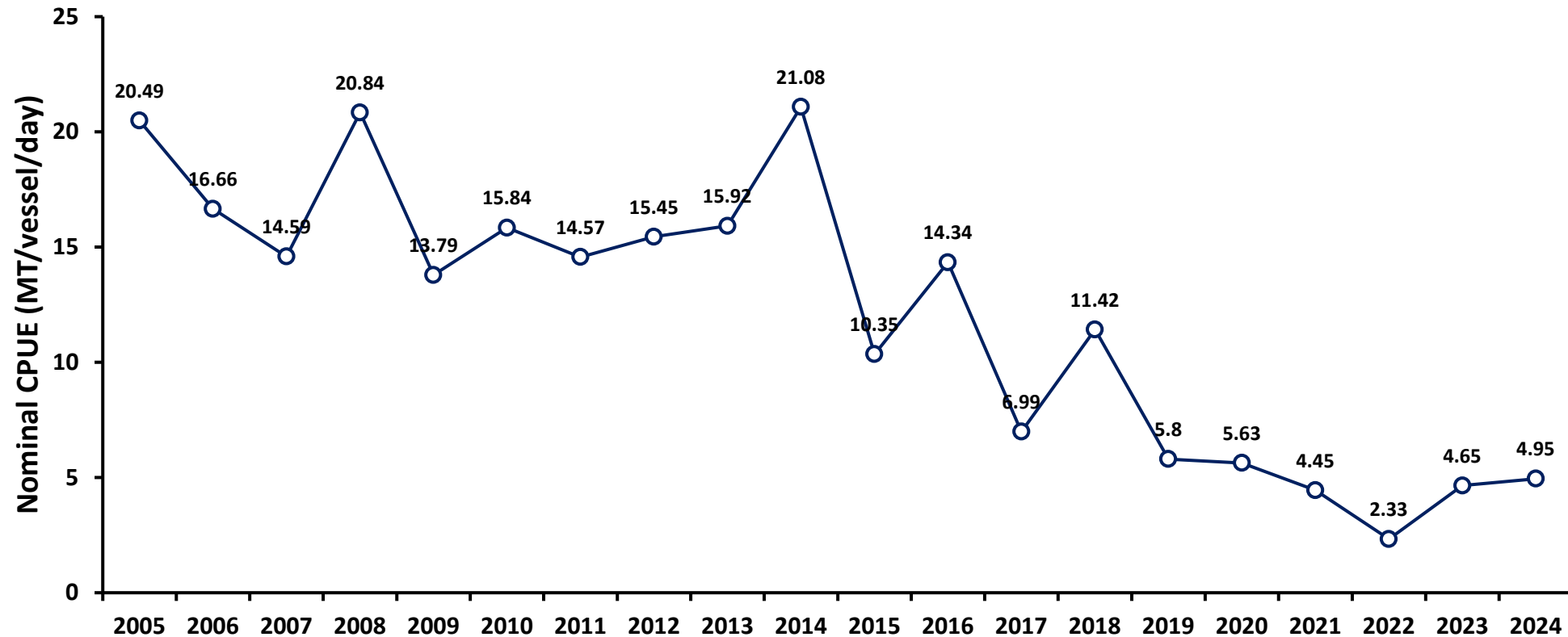


# Seasonal Catch



# Nominal CPUE

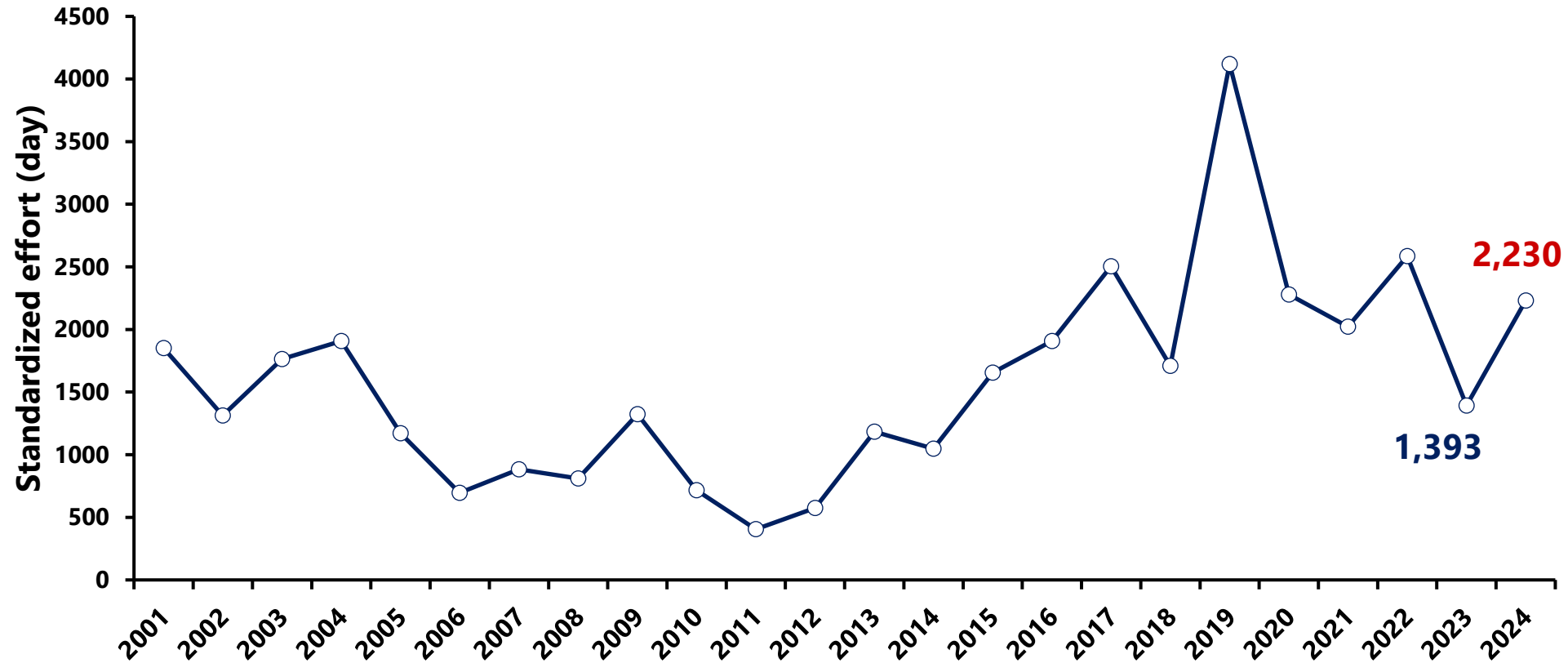
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- Nominal CPUE in 2024 was 4.95 and has increased since 2023.

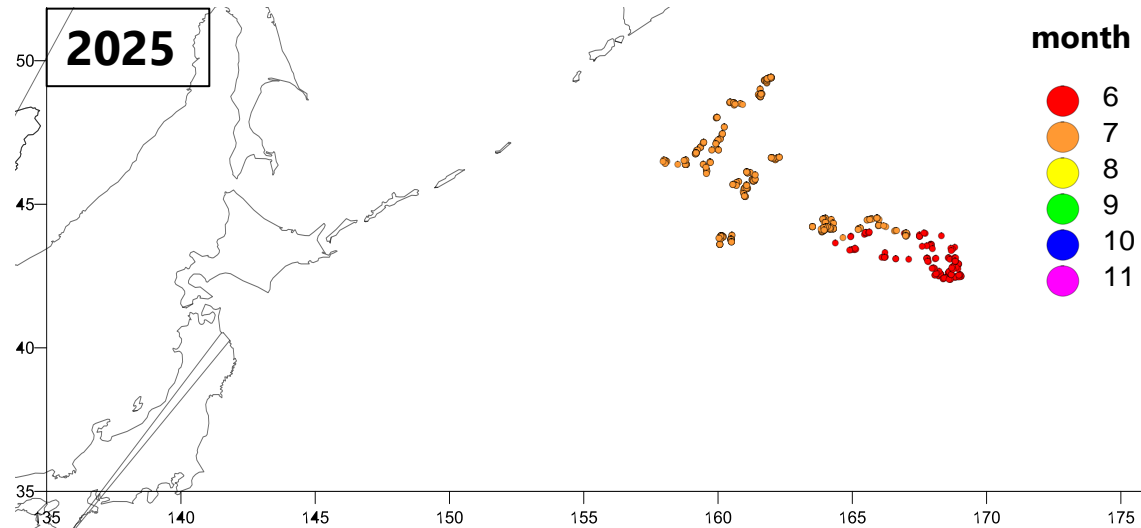
# Standardized Effort(Catch/std CPUE)

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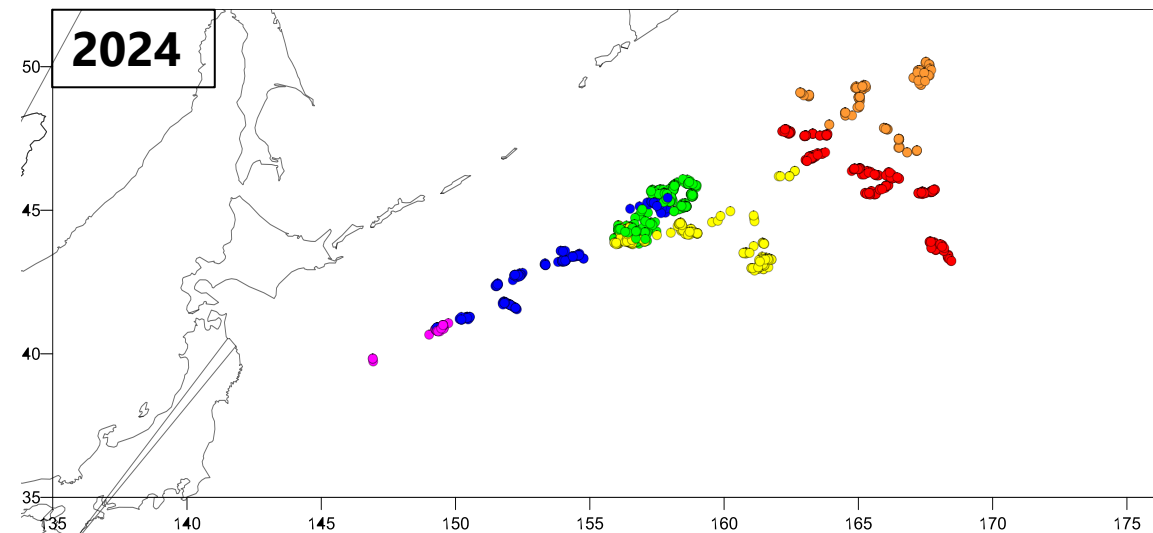
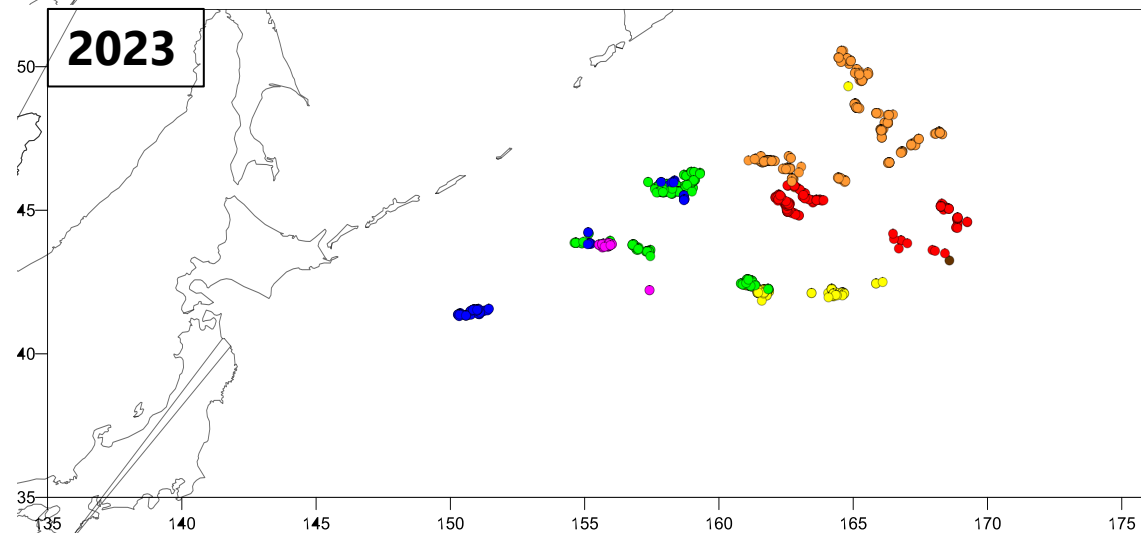


- The standardized effort was 2,230 in 2024, representing a significant increase compared to the previous year.
- The number of fishing vessels decreased from 6 in 2023 to 5 in 2024.

# Fishing Grounds

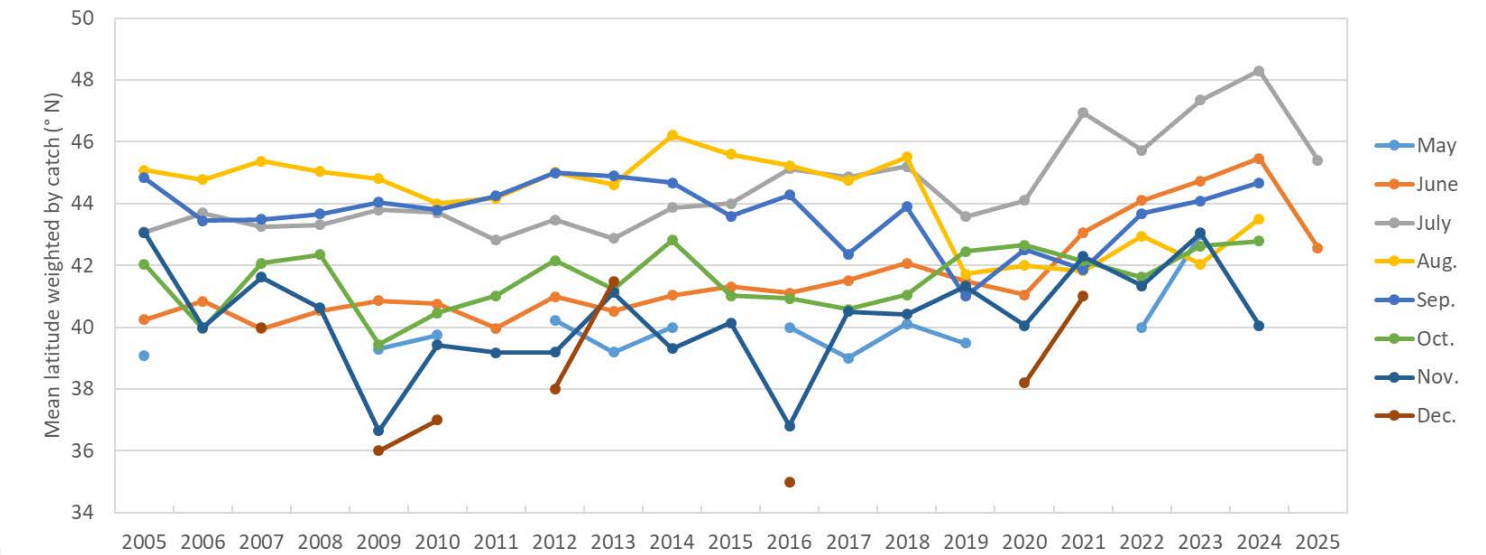


- Korean PS fishing operations took place between 145-170°E longitude.
- Fishing operations in June and July 2025 shifted southward compared to 2023 and 2024.

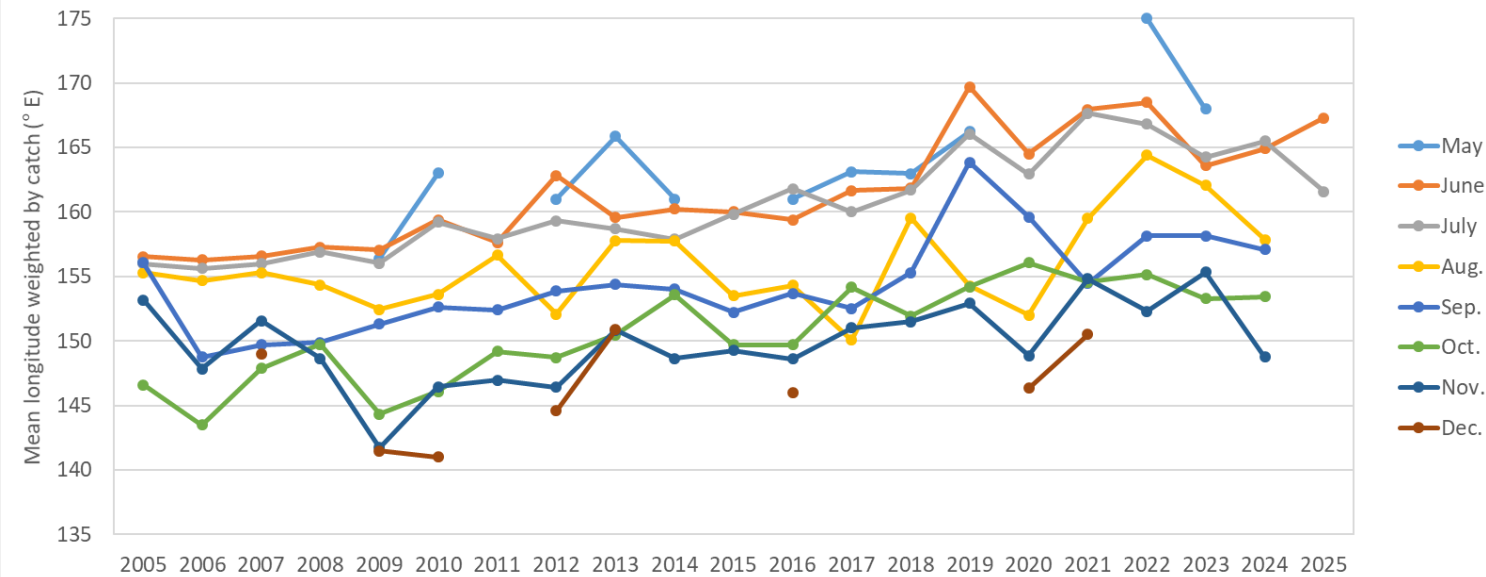


# Annual Change of Fishing Ground

Latitude

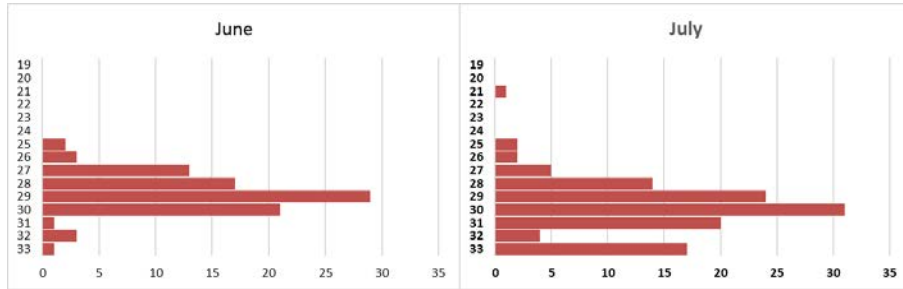


Longitude

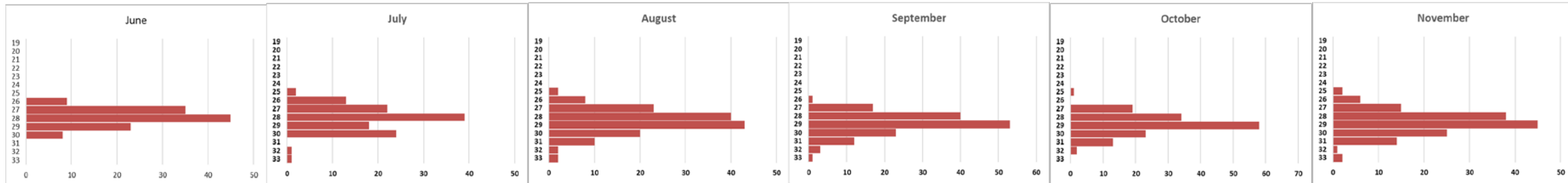


# Seasonal Size Compositions (Length data measured onboard by crew)

2025



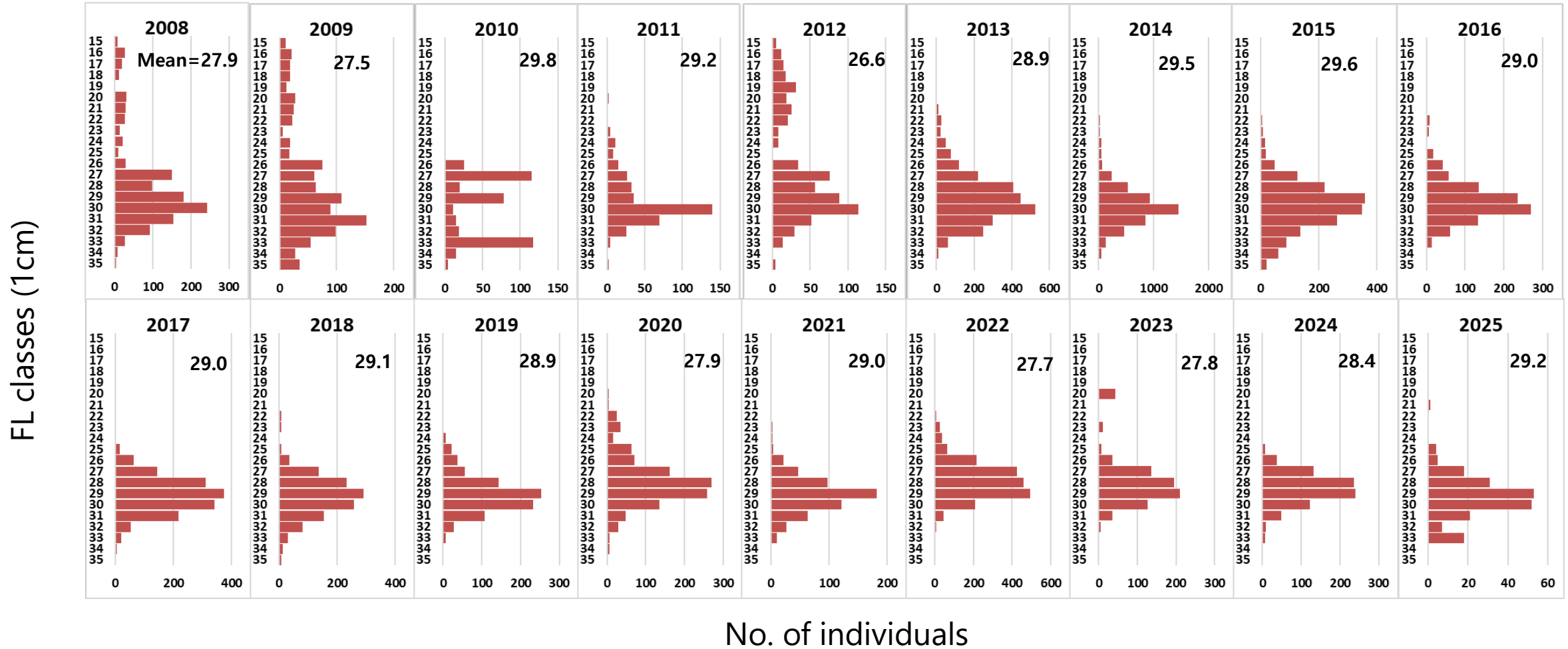
2024



No. of individuals

- In 2025, the mean FL in June and July was 28.5 cm and 29.7 cm, respectively. These values were larger than those in the same months of the previous year.
- In 2024, the FL range was 25-33 cm, with a mean value of 28.4 cm. It was lowest in June (27.7) and highest in September (28.7).

# Annual Change of Size Compositions (All fishing season)

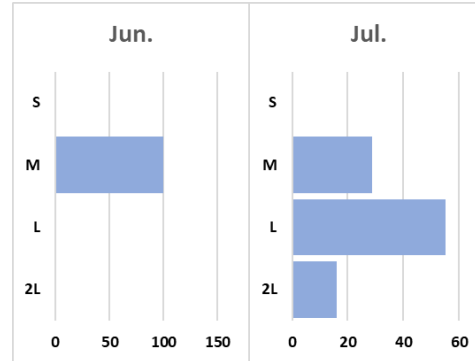


- From 2008 to 2025, the mean FL ranged from 26 to 29 cm, and no significant annual trend was observed.

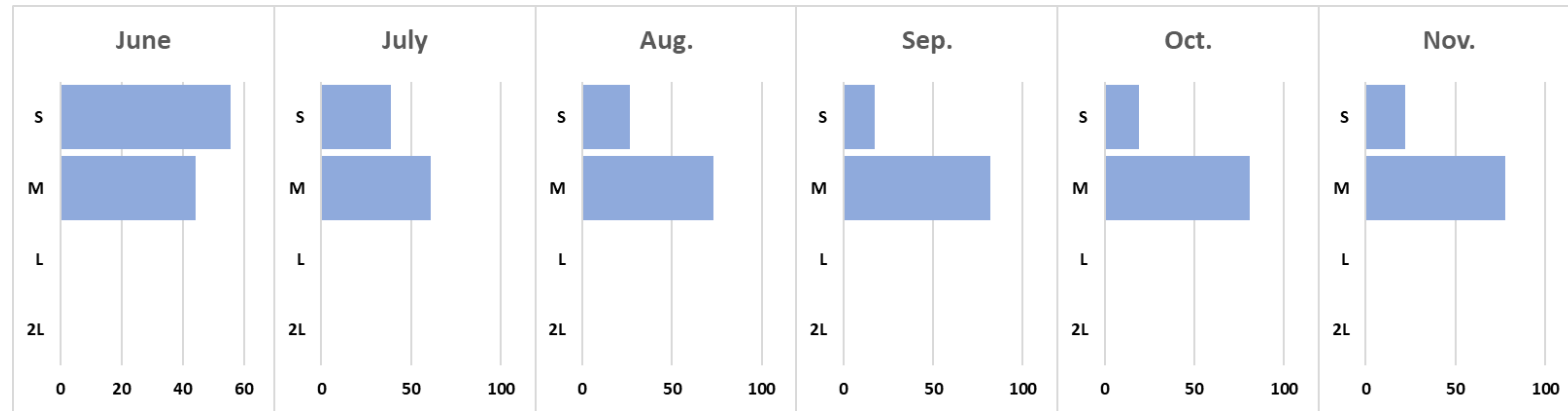
# Seasonal Size Box Compositions

Size of box

2025



2024

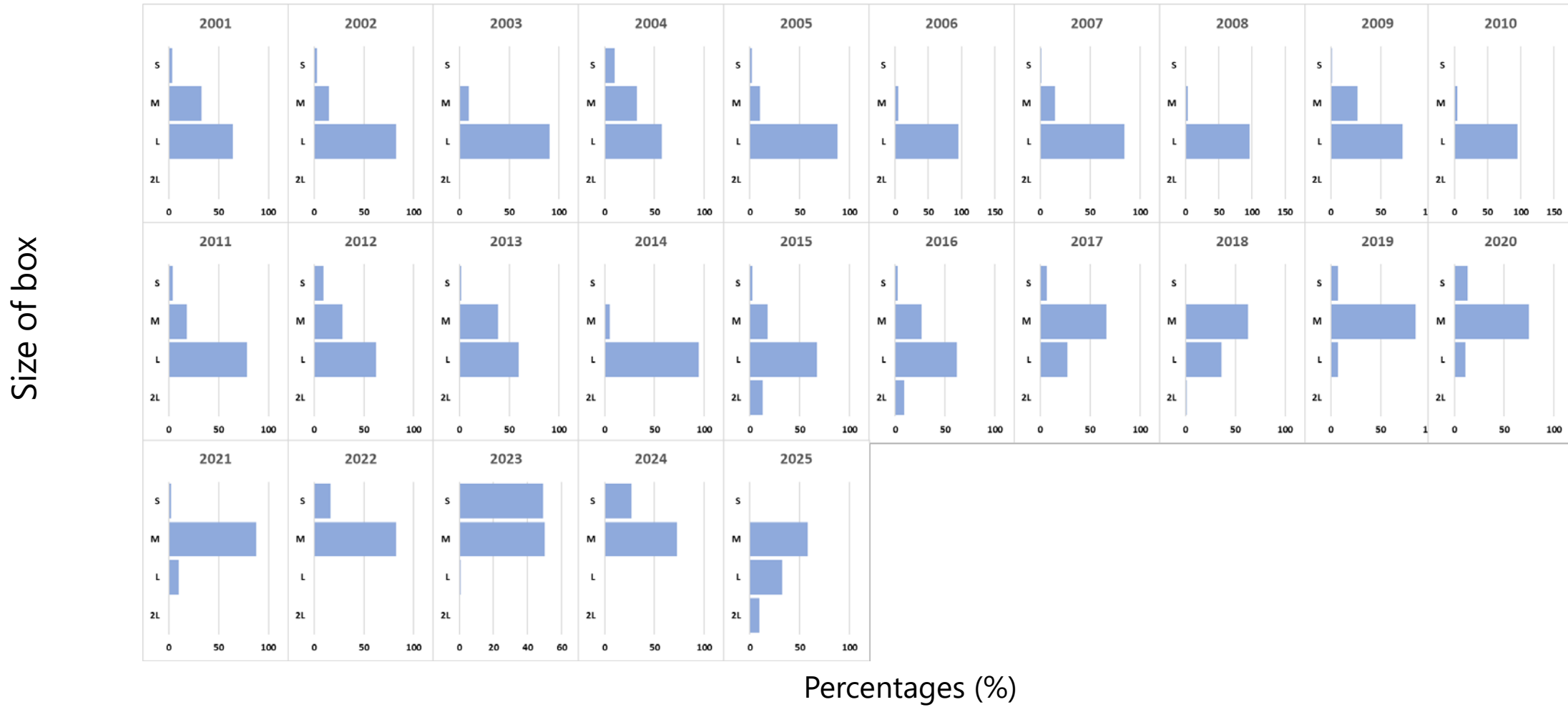


Percentages (%)

- In 2025, the M ratio was dominant in June, while the L ratio was dominant was in July, compared with the same months in 2024 when the S and M ratios were dominant.  
\* S: 18–30cm; M: 23–33cm; L: 27–34cm; 2L: 29–34cm (fork length)



# Annual Change of Size Box Compositions (All fishing season)



- The L ratio used to be dominant until 2016, whereas the M ratio has been dominant up to July 2025.
- \* S: 18–30cm; M: 23–33cm; L: 27–34cm; 2L: 29–34cm (fork length)

# Bycatch species in stick-held dip net

- Analysis of data collected by observers on each vessel in 2021 and 2022.
- The number of bycatch species was 5 in 2021 and 6 in 2022, resulting in a total of 8 species observed over the two years. The bycatch rate of total catch weight was less than 10%.

Period (set)	September 11 - December 6, 2021 (84 sets)				May 29 - September 30, 2022 (176 sets)		
Bycatch species	Butterfish	<i>Hyperoglyphe japonica</i>	27.4 %		Japanese sardine	<i>Sardinopus melanostictus</i>	56.3 %
	Pacific chub mackerel	<i>Scomber japonicus</i>	26.9 %		Pacific chub mackerel	<i>Scomber japonicus</i>	28.0 %
	Neon flying squid	<i>Ommastrephes bartrami</i>	26.7 %		Neon flying squid	<i>Ommastrephes bartrami</i>	7.4 %
	Japanese flying squid	<i>Todarodes pacificus</i>	12.8 %		Chinook(King) salmon	<i>Oncorhynchus tshawytscha</i>	6.0 %
	Japanese sardine	<i>Sardinopus melanostictus</i>	6.2 %		Boreal clubhook squid	<i>Onychoteuthis borealijaponica</i>	1.7 %
					Butterfish	<i>Hyperoglyphe japonica</i>	0.6 %
The bycatch rate of total catch weight	8.5% (19.41 kg)				0.2% (430 kg)		

- **NO updated bycatch information from stick-held dip net for 2025**