

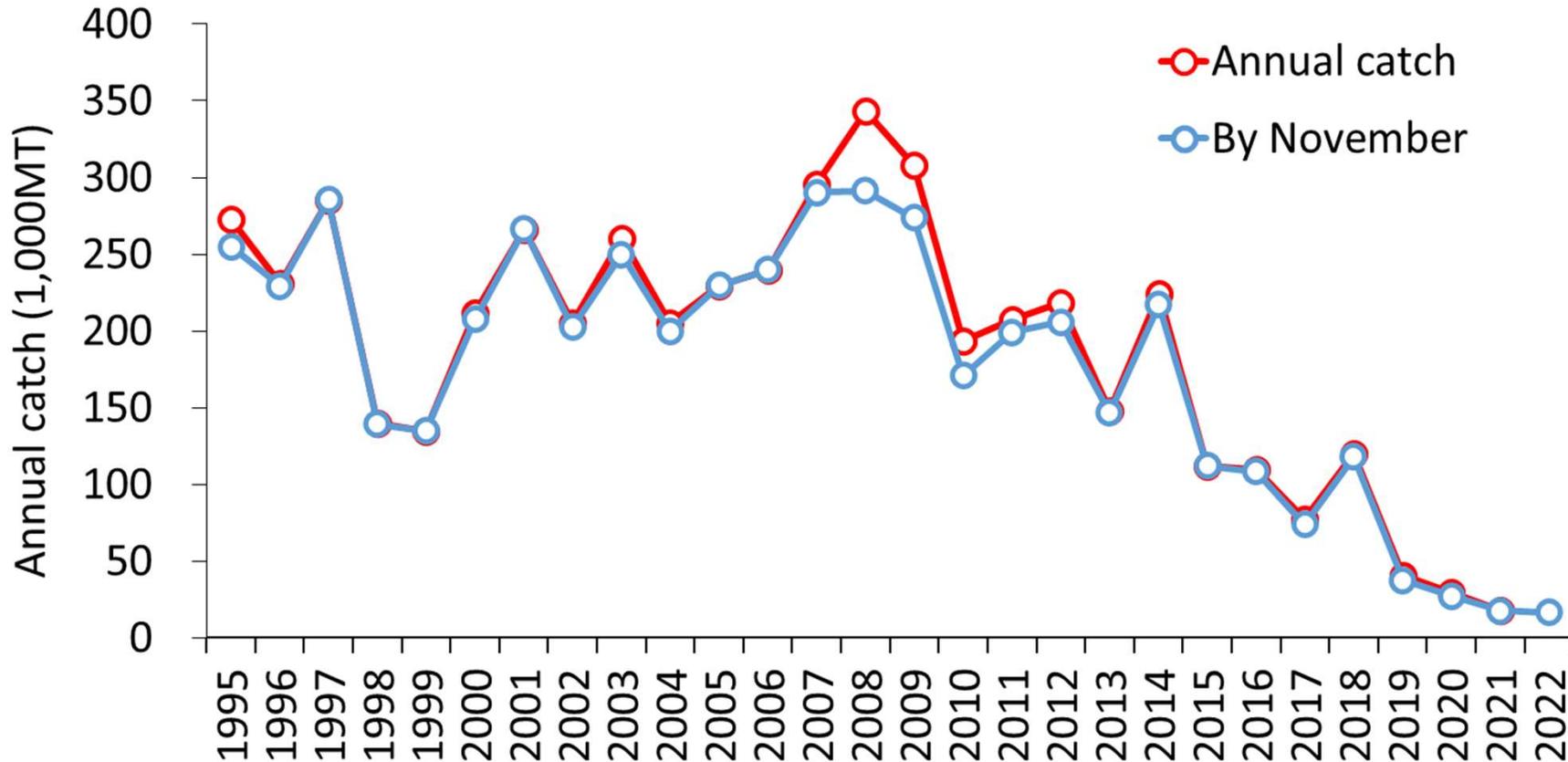
Review of progress on update/refinement of catch series

# Pacific saury fishing condition in Japan in 2022



Fisheries Resources Institute,  
Japan Fisheries Research and Education Agency

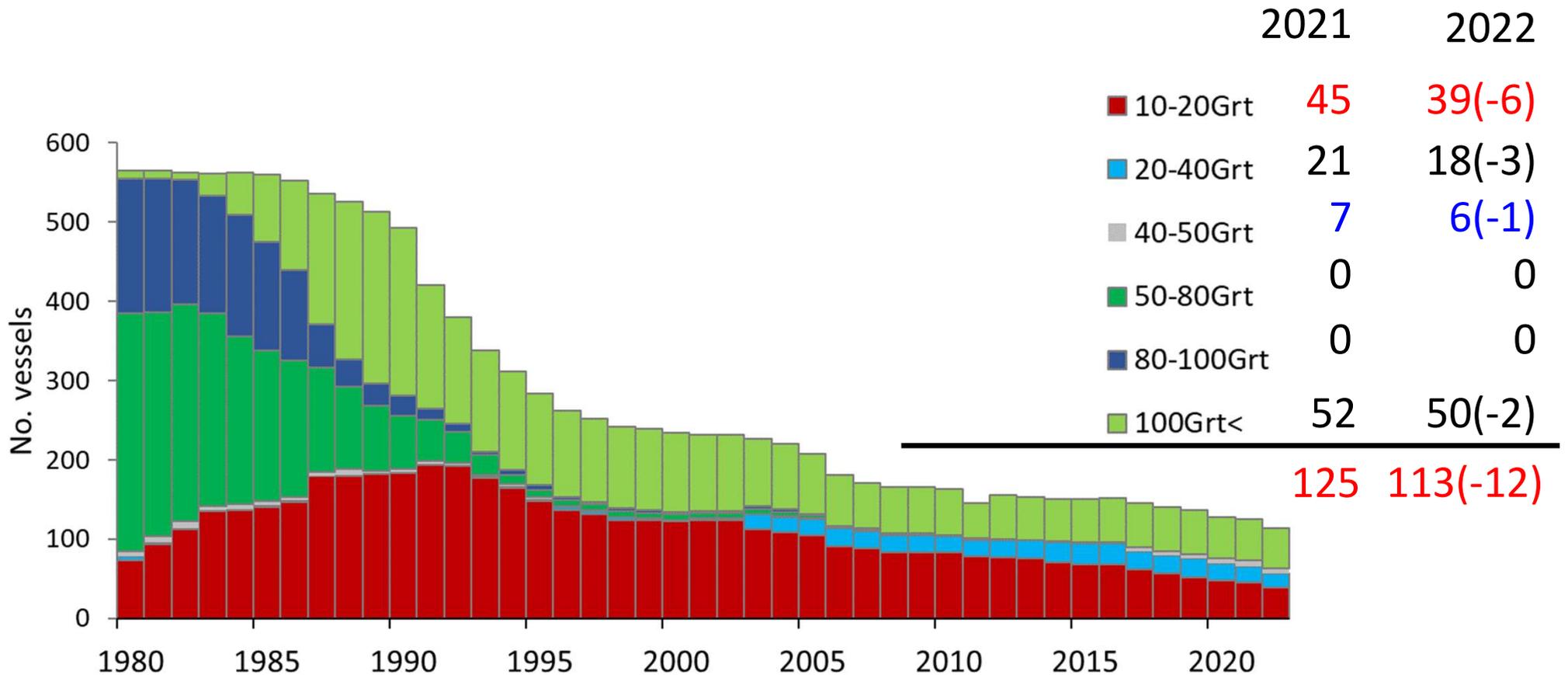
# Annual catch in Japan (1995-2021)



- In this fishing season, most of the fishing vessels have finished PS fishing by the beginning of December.
- Total catch by the end of November in 2022 was **17,868 MT** (17,899 MT in 2021).
- The final annual catch in Japan will be the lowest level since 1950

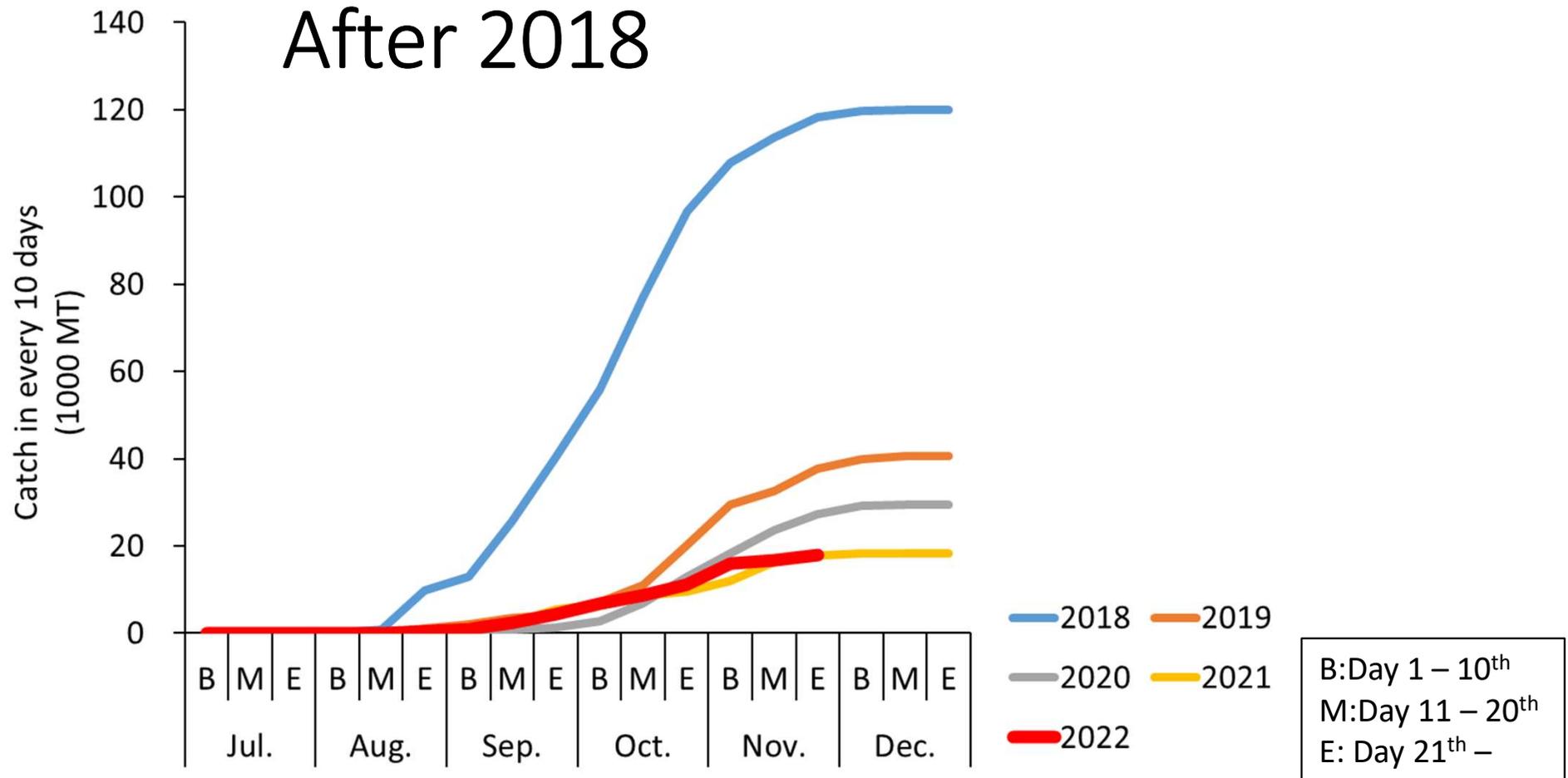
# Number of vessels

Licensed by the Ministry of Agriculture, Forestry and Fisheries



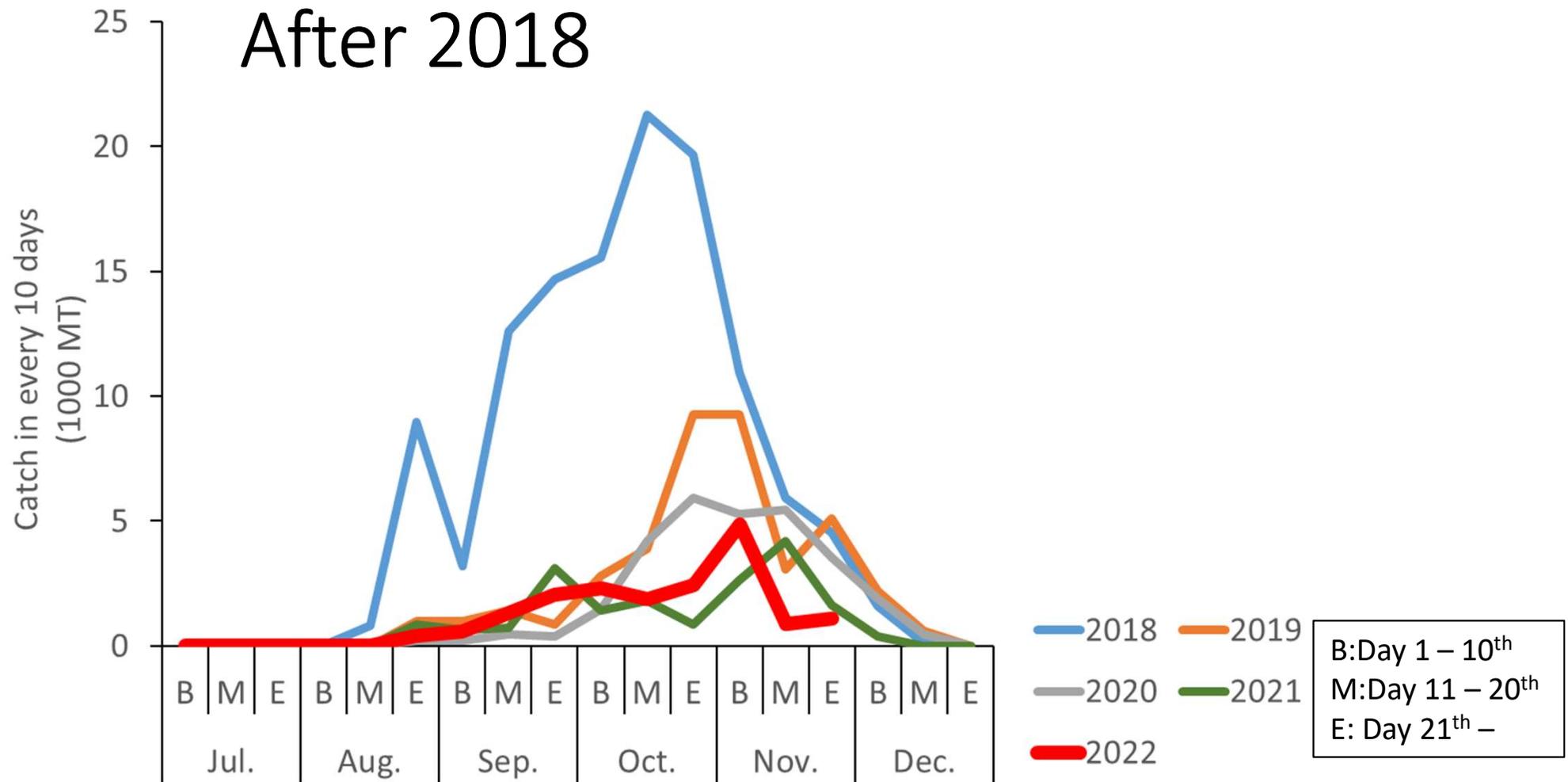
- One hundred and thirteen fishing vessels are registered in 2022.
- Twelve vessels decreased compared to previous year.
- Some small fishing vessels are suspending operation because the fishing ground is far.

# Accumulated catch (Catches in 10 days )



- The progress of the accumulated catch was almost the same as last year.
- Accumulate catches by the end of November in 2022 were 17,868 MT (27,197 and 17,899 MT in 2020 and 2021, respectively).

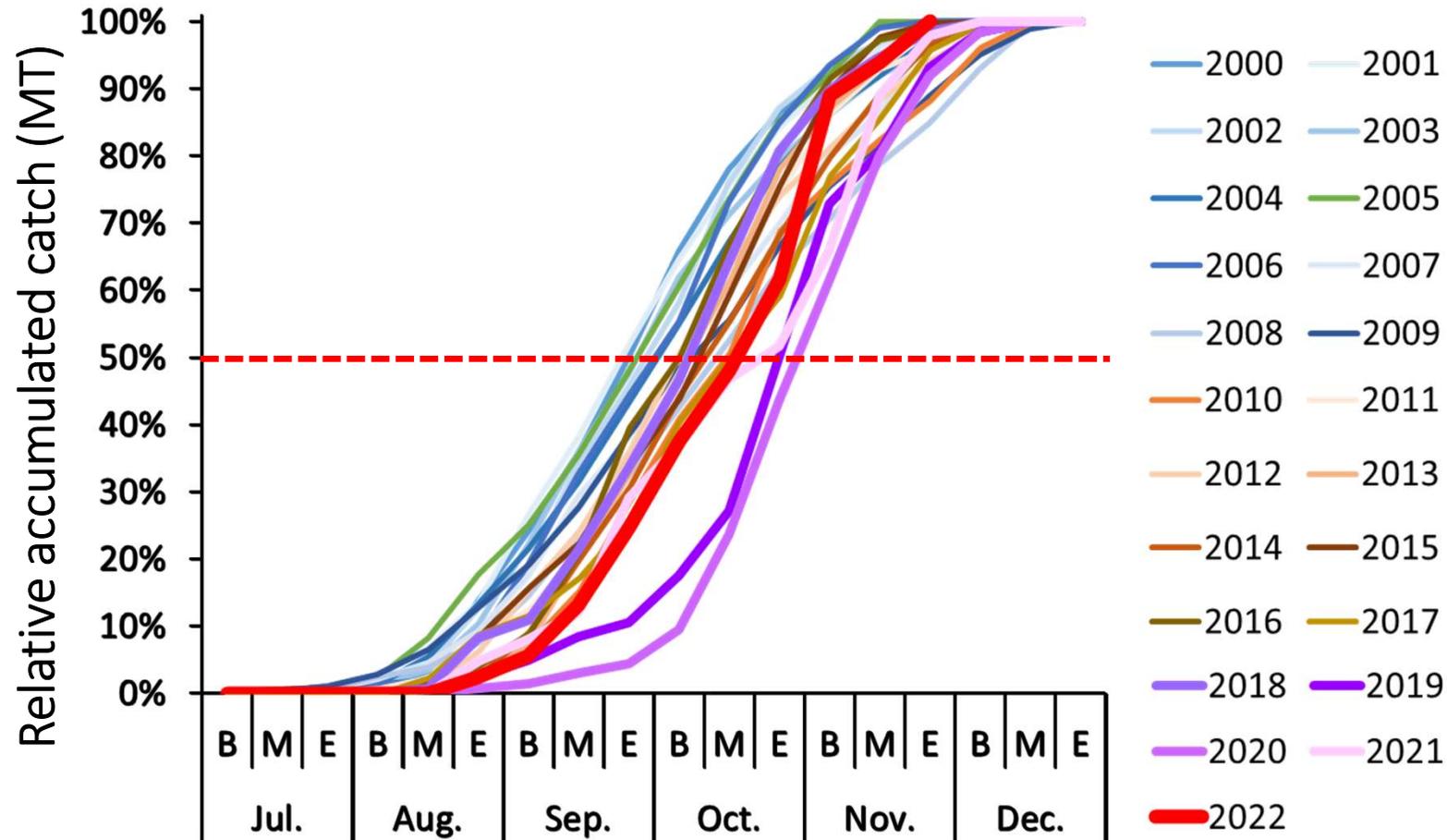
# Seasonal catch (Catches in 10 days )



- Previously, the peak catch was in October or September, but more recently in November.
- Seasonal catch peaked in the beginning of November (4,878 MT), but it dropped in middle of November.

# Relative accumulated catch

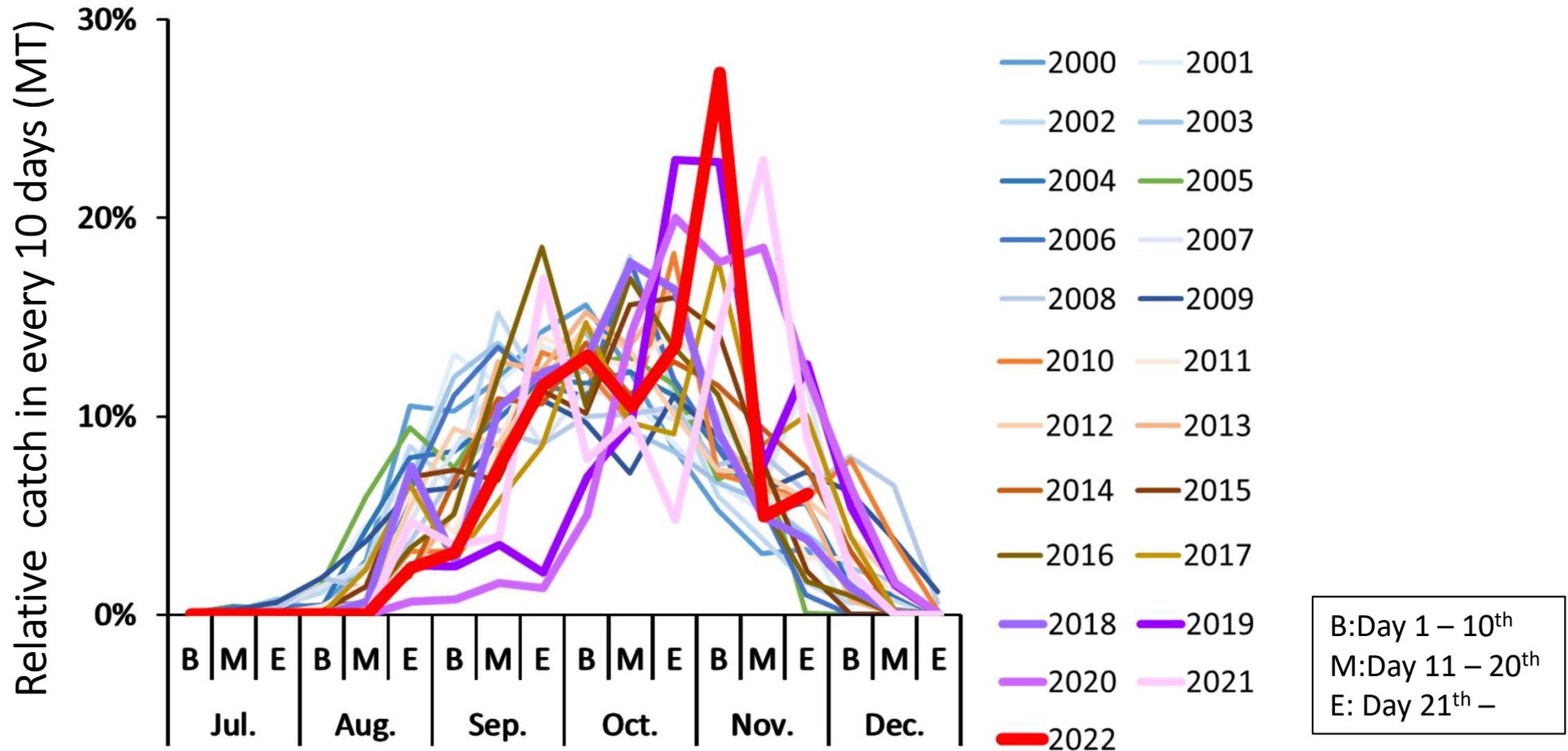
After 2000



■ The catches in the beginning of fishing season decrease in the recent years.

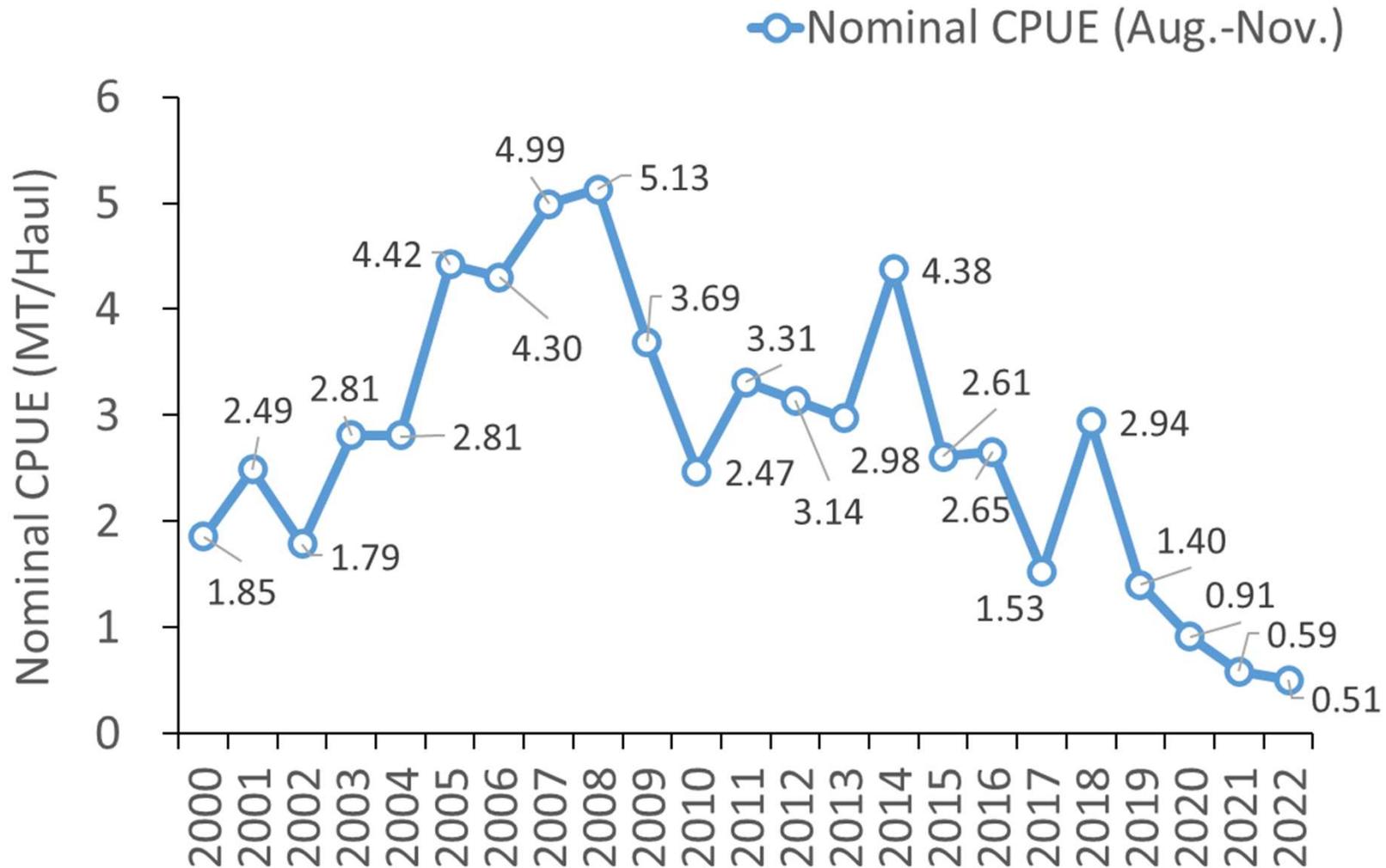
# Relative Seasonal catch

After 2000



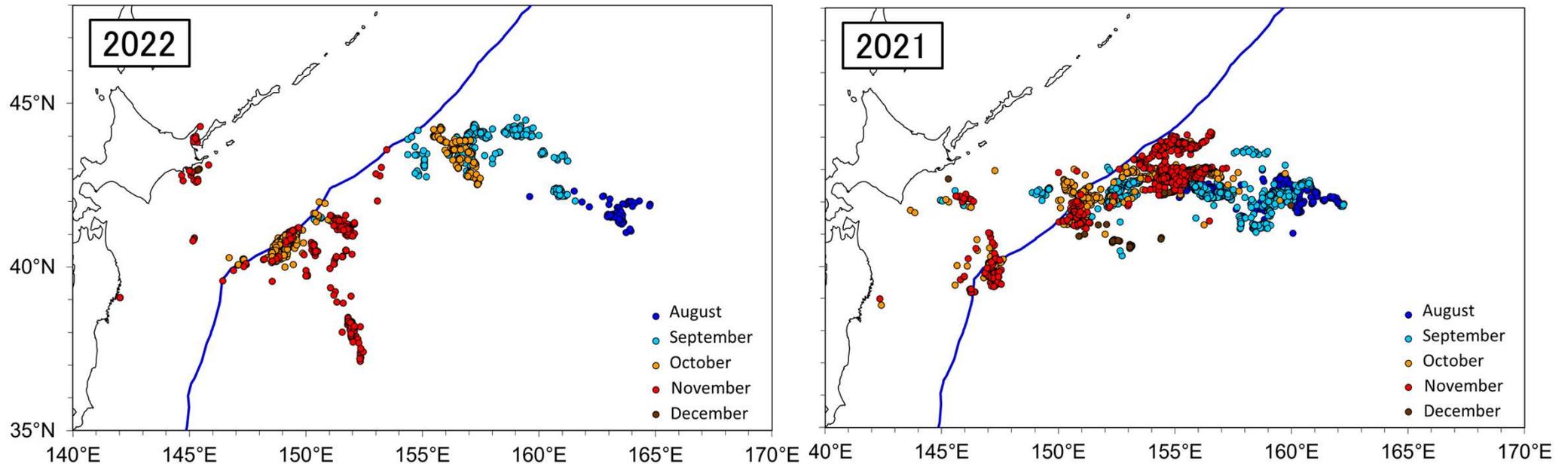
- Relative catches in the peak become high in recent years.
- This indicates that the high season getting shorter.

# Nominal CPUE



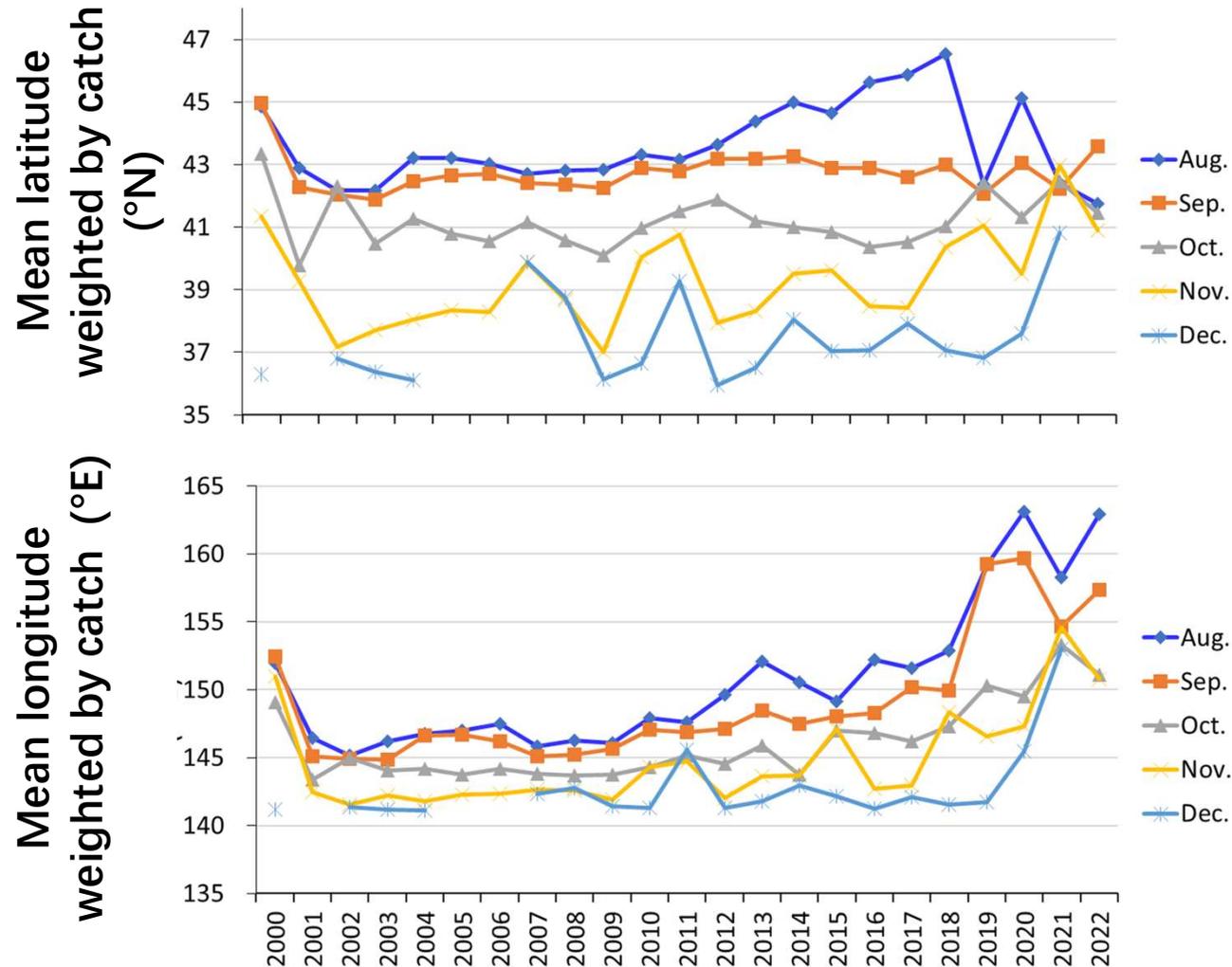
■ **Nominal CPUE was 0.51 and lowest since 2000.**

# Fishing grounds



- Main fishing grounds were in the high seas by the end of November.
- Fishing grounds in August and September were formed only in the high seas.

# Annual change of fishing ground



- In recent years, the fishing grounds in August have moved south.
- Fishing grounds moved eastward after 2019.

# Body length and age compositions

2022

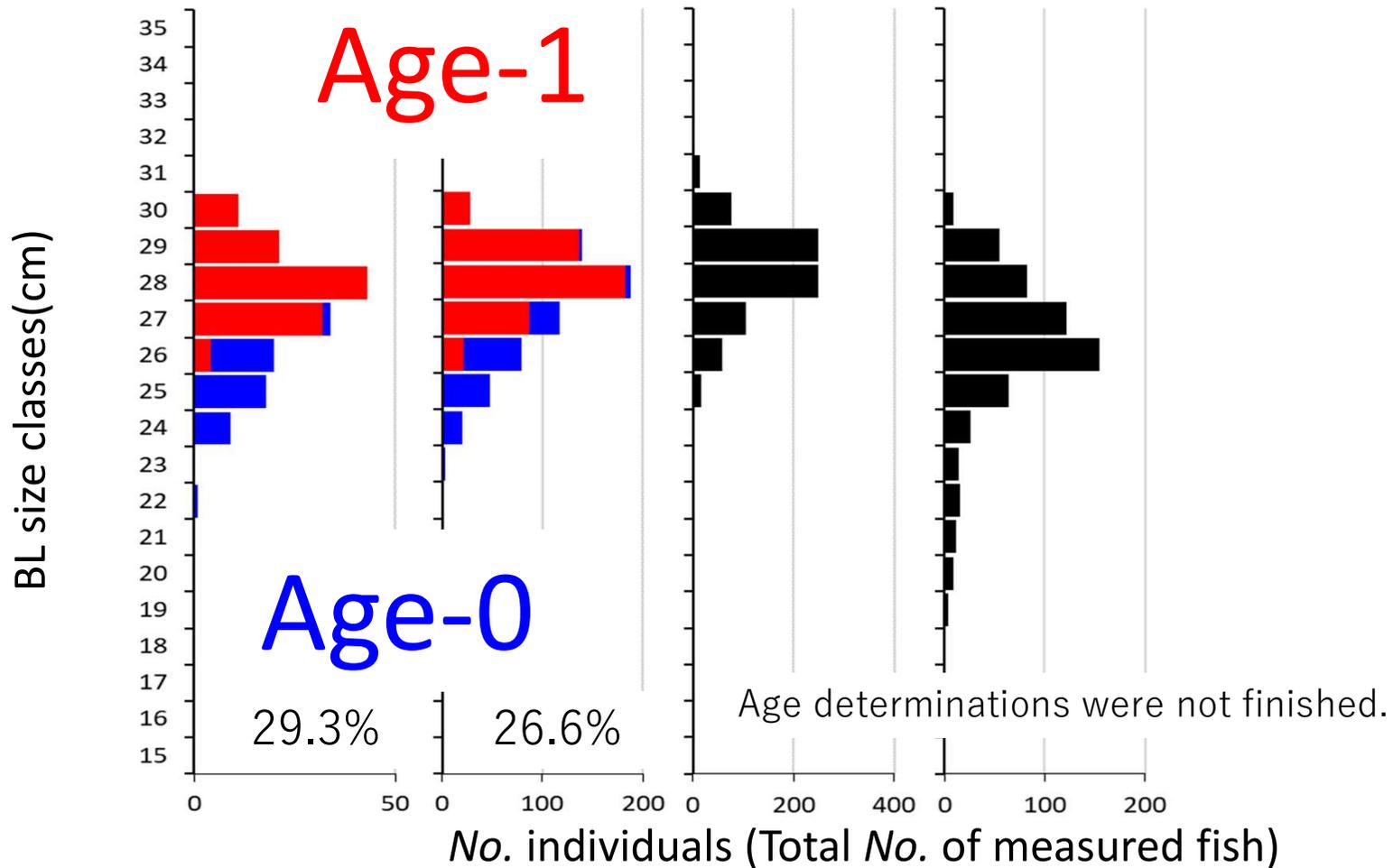
Aug.

Sep.

Oct.

Nov.

Dec.



- Caught fish more than 70% were consisted in age-1 fish by the end of September.
- Percentage of age-0 fish seems to increased in November.

# Summary

## Pacific saury fishing condition in 2022

- The annual catch in 2022 by the end of November was **17,868 MT**.
- Annual catch will be the lowest level since 1950.
- Nominal CPUE by end of November was 0.51 and lowest since 2000.
- Most of the fishing grounds were located on the high seas.
- Caught fish more than 70% were consisted in age-1 fish by the end of September.

Thank you for your attention !