

Review of progress on update/refinement of catch series Fishery status in Japan



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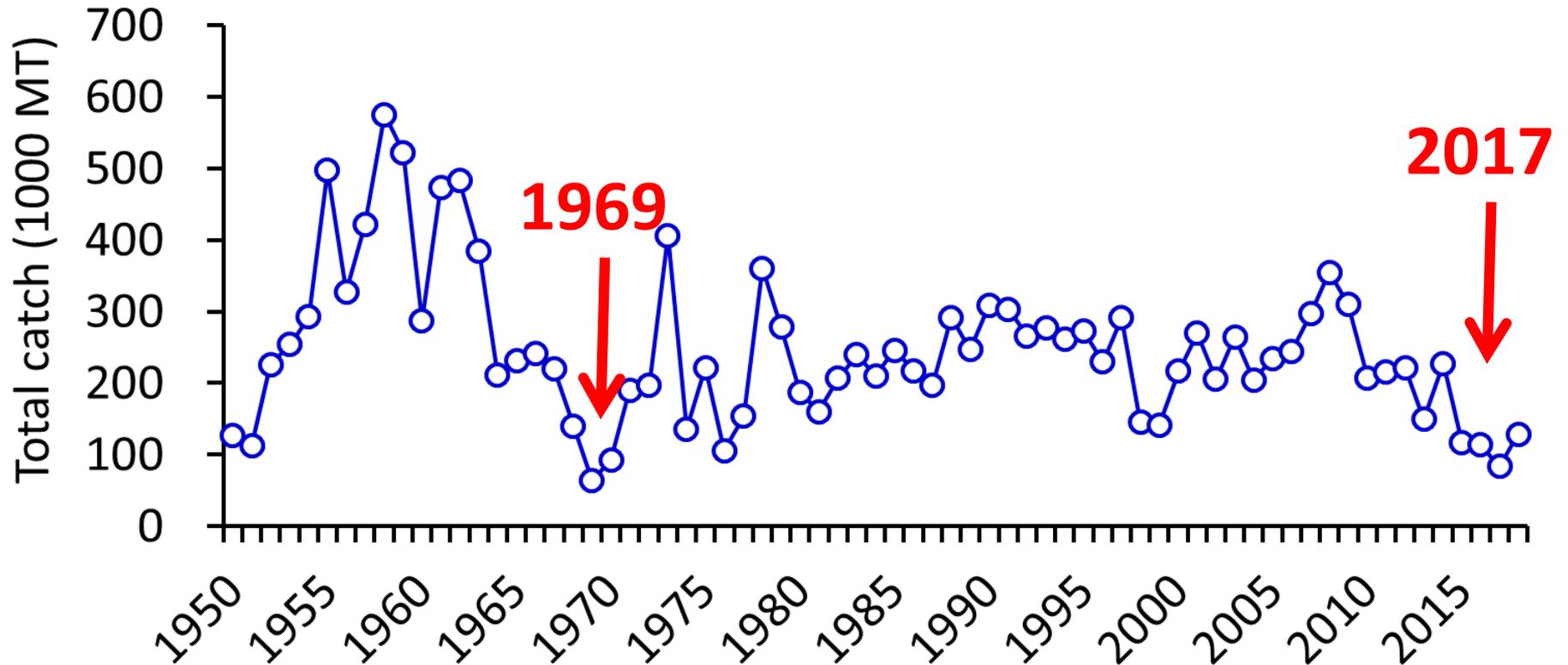


Review of progress on update/refinement of catch series

1. Fishery status up to 2018



1-1. Annual catch (1950-2018)



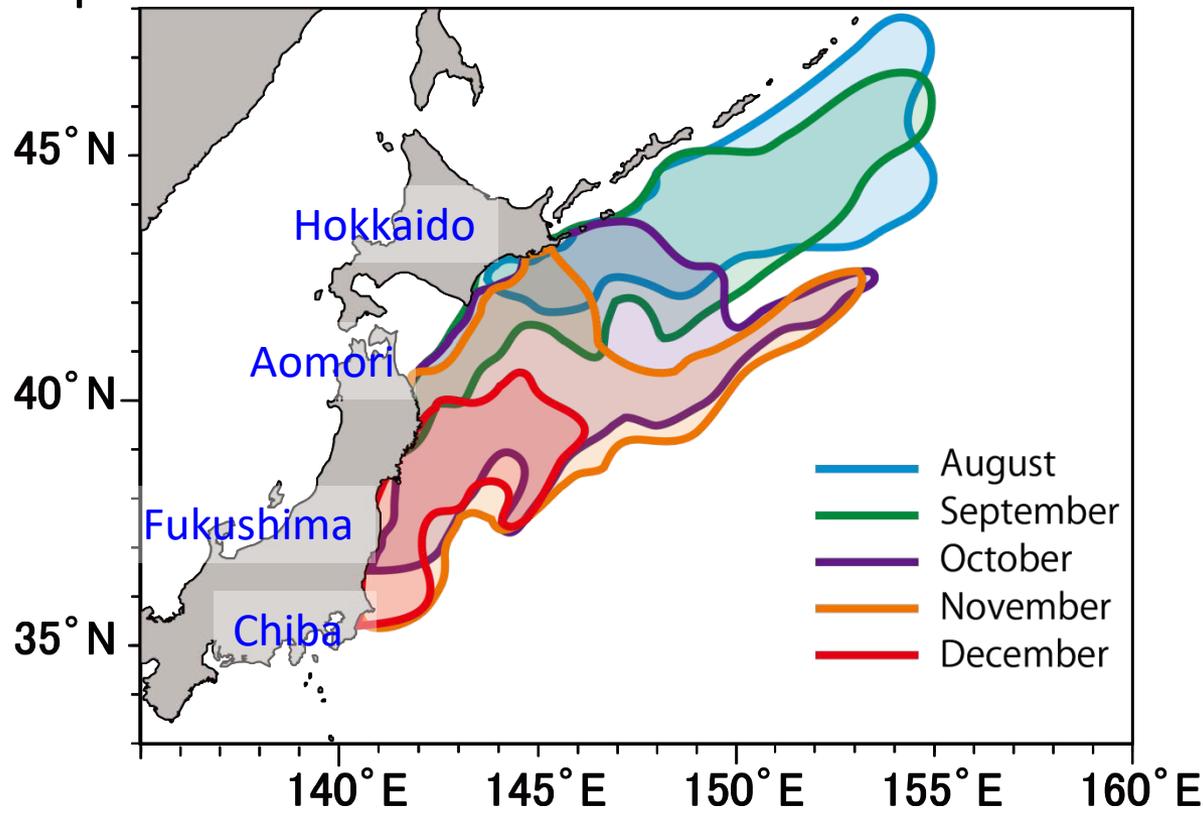
- Stick-held dip-net has become as a major saury fishery after 1948.
- More than 99% of the Pacific saury is caught by Stick-held dip net in recent years in Japan.
- The annual catch continues to decrease since 2008.
- Total catch in 2017 was 83,672 MT (2nd Lowest after 1950)
- The lowest catch was 1969 (63,288MT) since 1950.

1-2. Main fishing ground and month

Beginning of fishing season (August) : between off the eastern coast of Hokkaido and off the coasts of Kuril Islands,

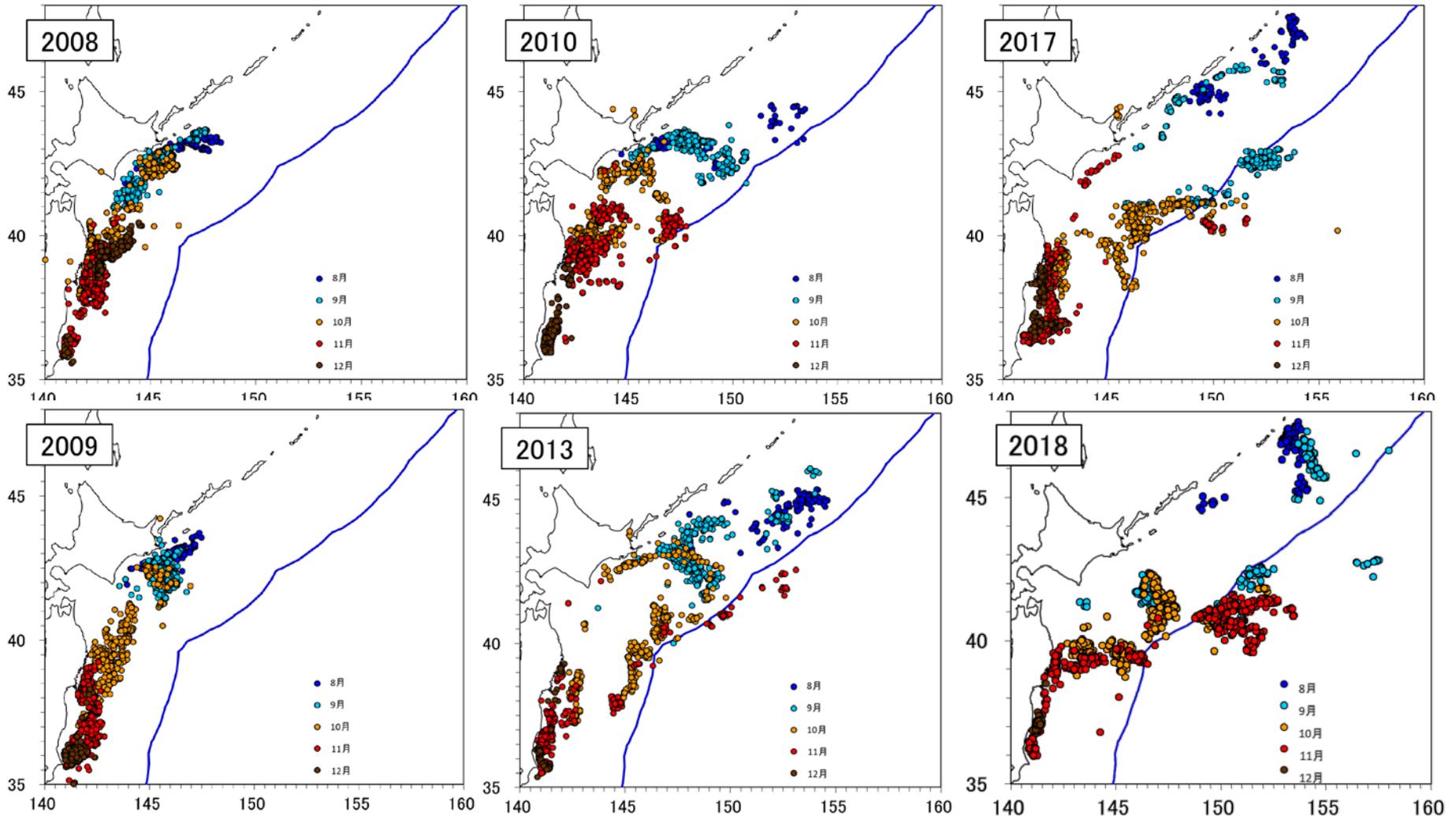
Middle (September and early October) : off the coast from Aomori to Fukushima prefectures

Late (November and December) : spread off the coasts until Chiba prefectures



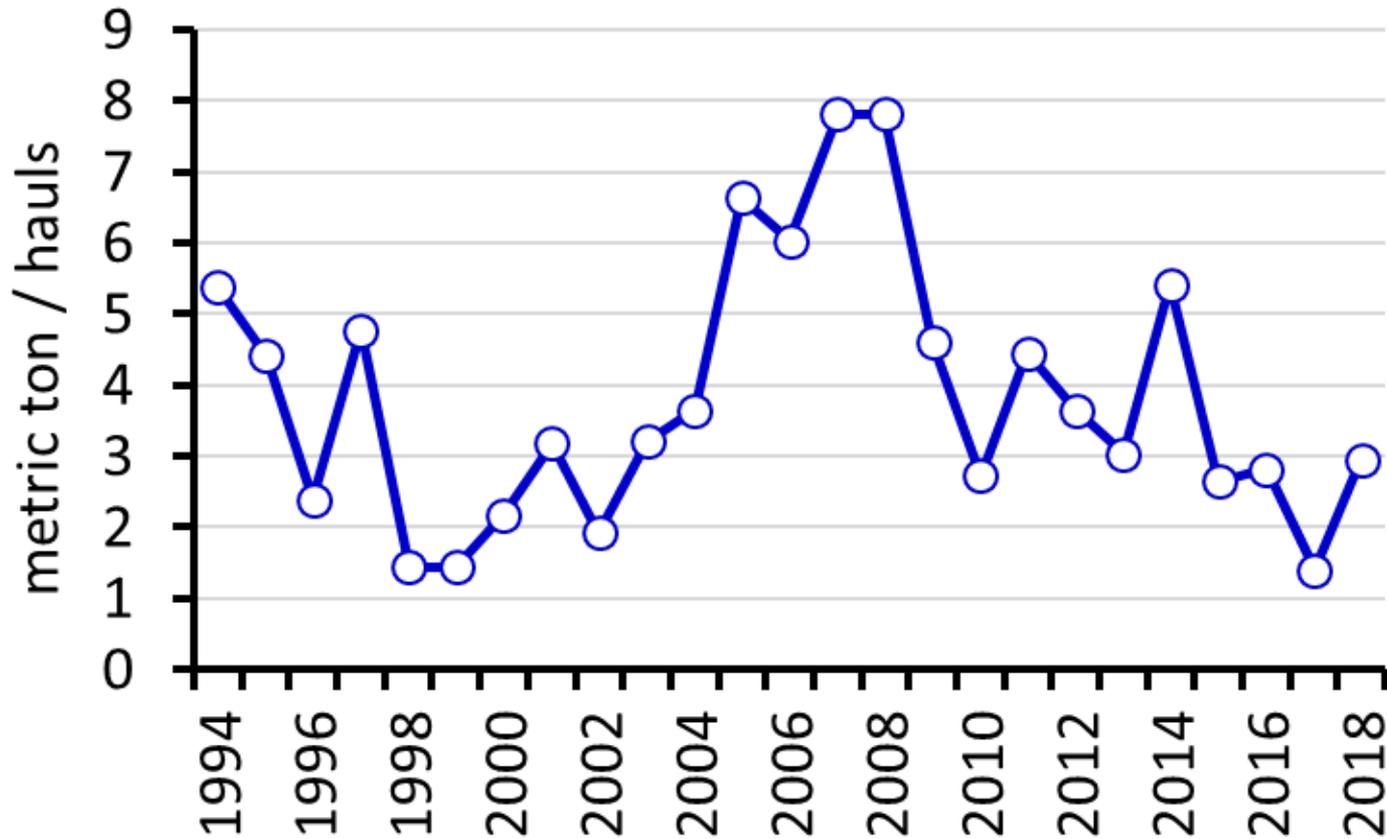


Annual fluctuation for fishing ground



The fishing ground shift to offshore after 2010

1-3. Nominal CPUE (1950-2018)



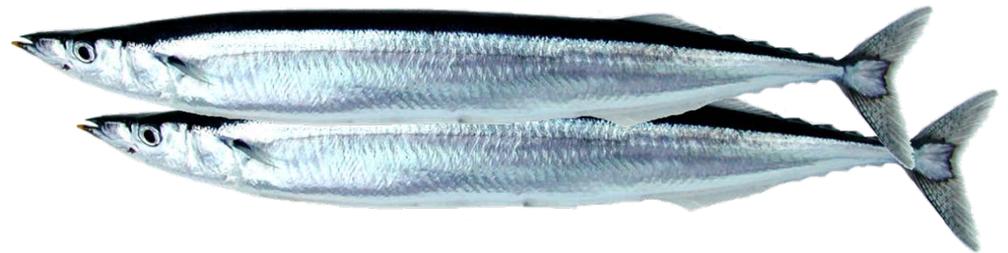
■ Nominal CPUE was also decrease after 2008 and the lowest in 2017 since 1994

■ Standardized CPUE will be explained later



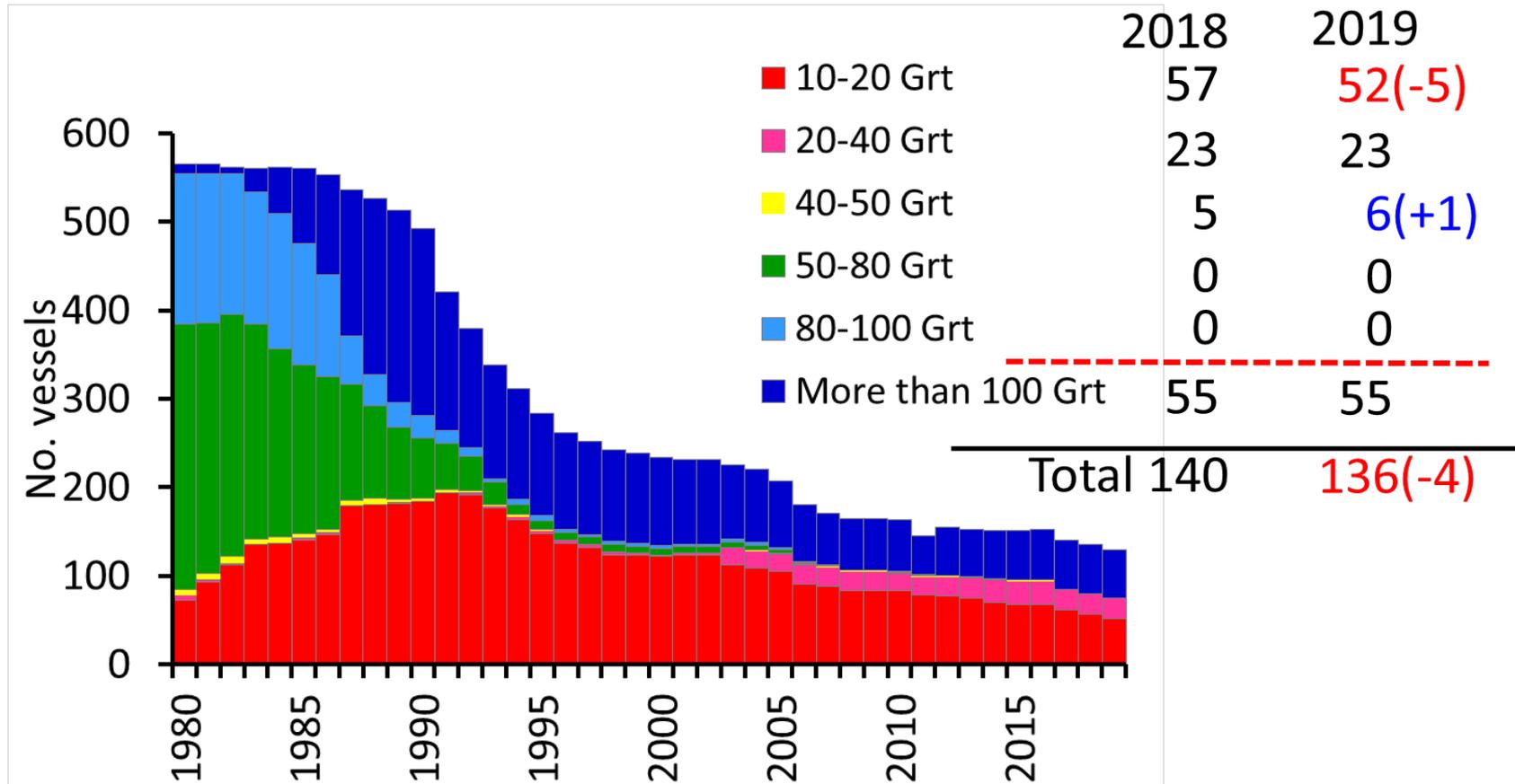
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2. Fishery status in 2019



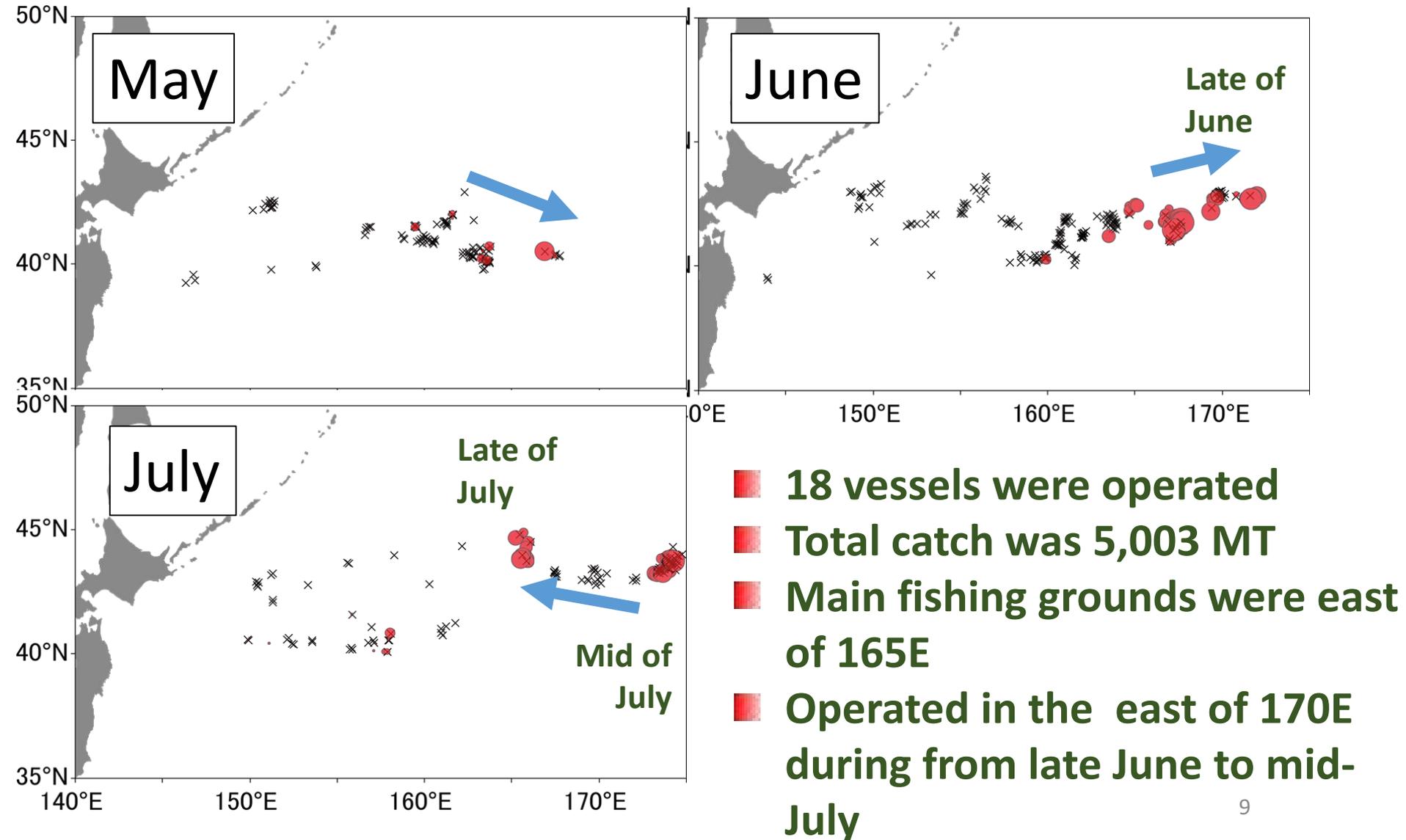
Number of vessel

Licensed by the Ministry of Agriculture, Forestry and Fisheries

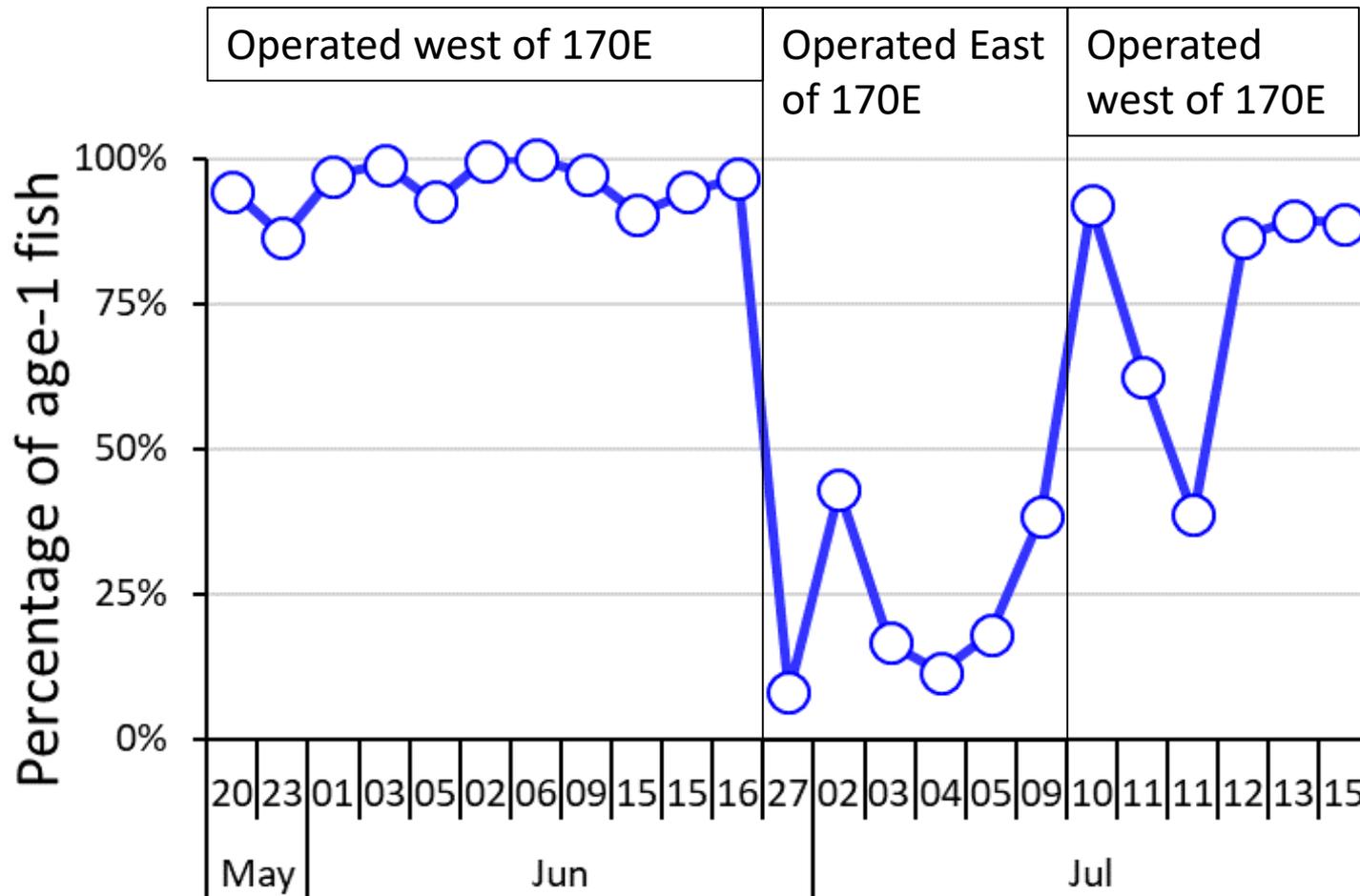


- One hundred and thirty-six fishing vessel are operating this year
- Four vessels decreased compared to last year
- Some fishing vessels are suspending operation because the fishing ground is far

Fishing ground from May to Jul.

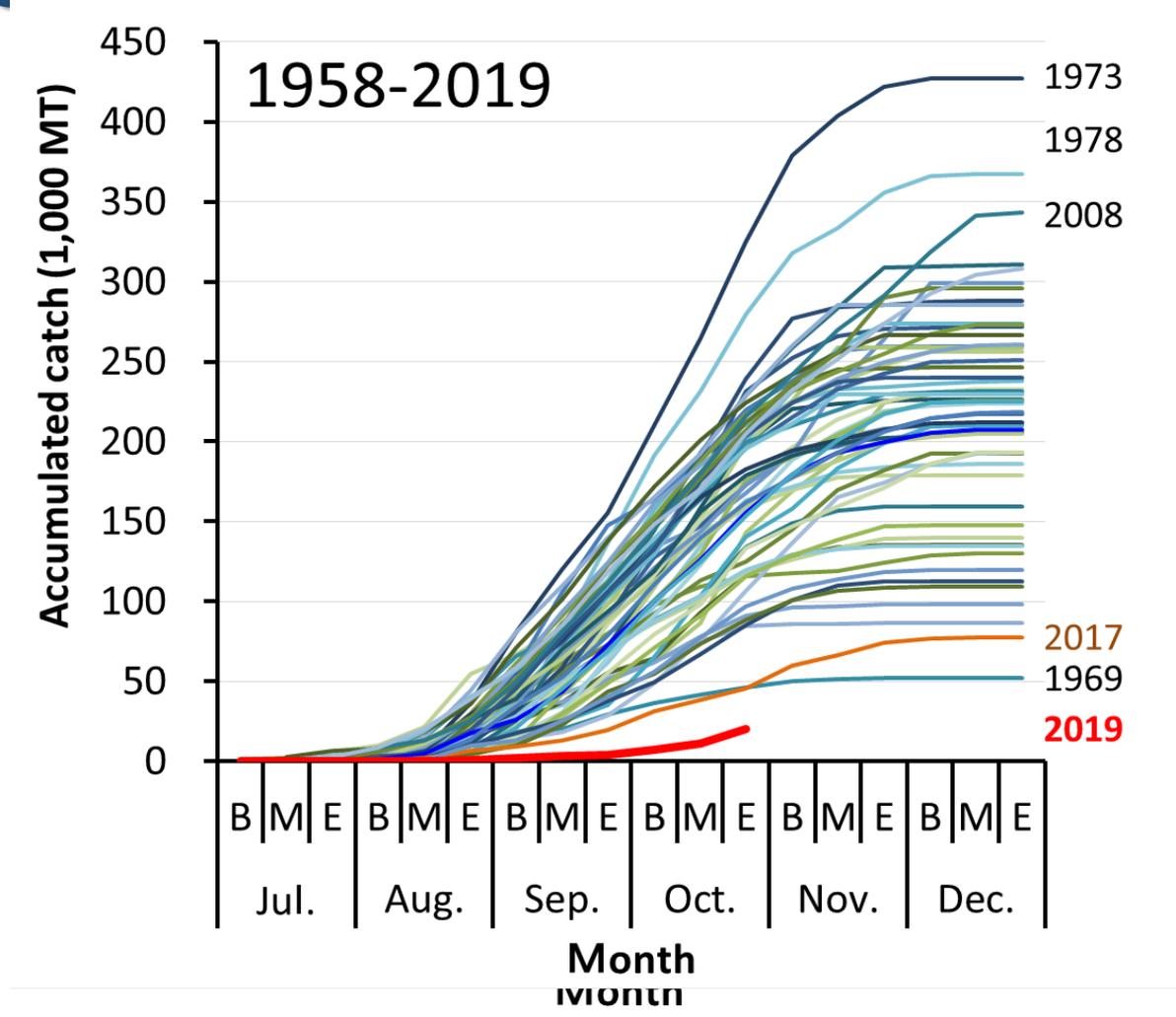


Age composition



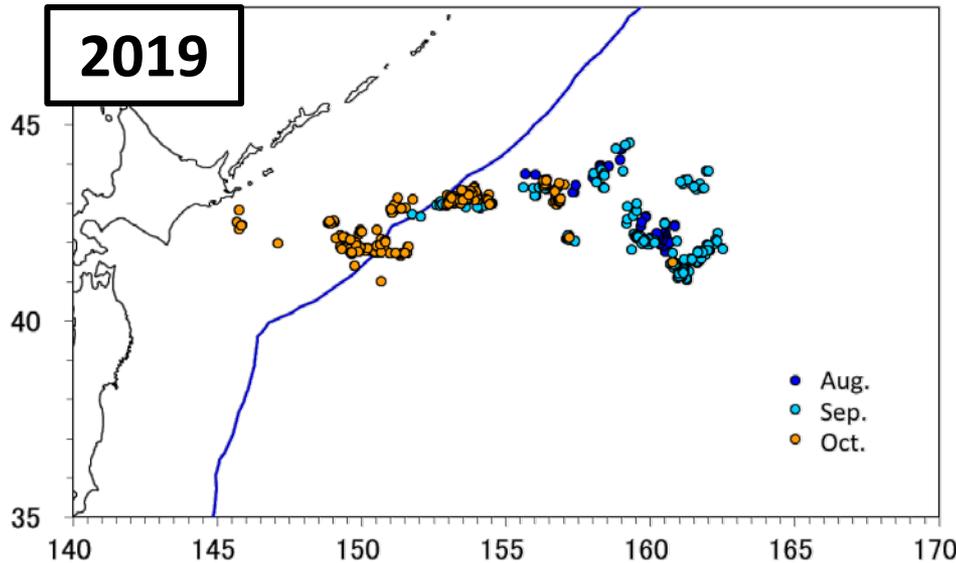
- Age-0 fish (<27cm) were dominant in the east of 170E (Mid-June – Early July)

Accumulated catch after August

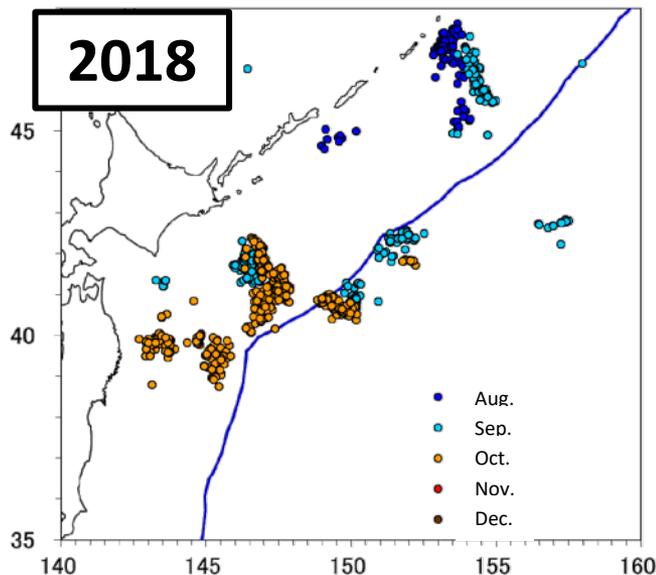


- Landing volume from August to October was about 20,000 metric tons
- This is the lowest since 1958

Fishing ground after August

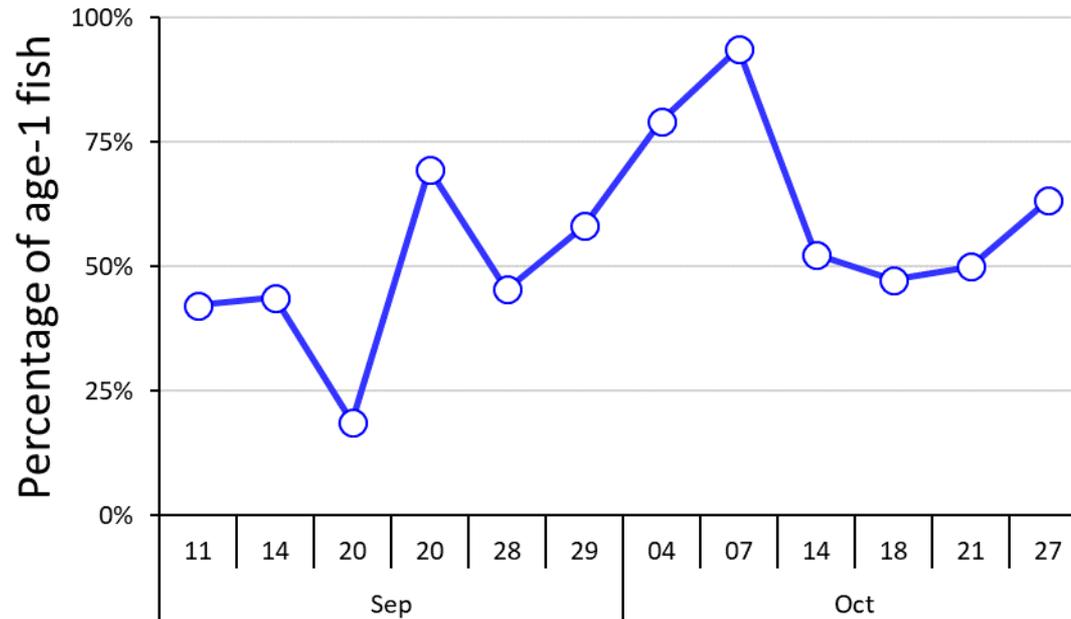


August
High seas (East of 155E)
September
High seas (East of 150E)
October
High seas and EEZ



August
Only EEZ
September
Mainly in EEZ
October
Mainly in EEZ

Age composition after September



■ Average percentage of age-1 fish (>29cm) is 55%

Summary

Fishery status up to 2018

- The annual catch was peak at 350 thousand tons in 2018, but The annual catch continues to decrease since 2008.
- Total catch in 2018 was 128,531 MT.
- The fishing ground shift to offshore after 2010.

Fishery status in 2019

- Total catch after August was about 20,000 MT (Worst record after 1958).
- Fishing grounds were also mainly in high seas after August.
- Percentage of age-1 fish (>29cm) was about 55%.



Fishing period regulation

The Ministry of Agriculture, Forestry and Fisheries, Japan has changed the law for fishing period of PS this year

■ Until 2018

Fishing season was limited between August and December

■ After 2019

No regulation (Can operate through the year)

May to July (New fishing season)

Operate only in high seas

More than 100 GRT vessels operated

August to December (traditional fishing season)

Operate in EEZ and high seas

More than 10 GRT vessels operated