Review of progress on update/refinement of catch series

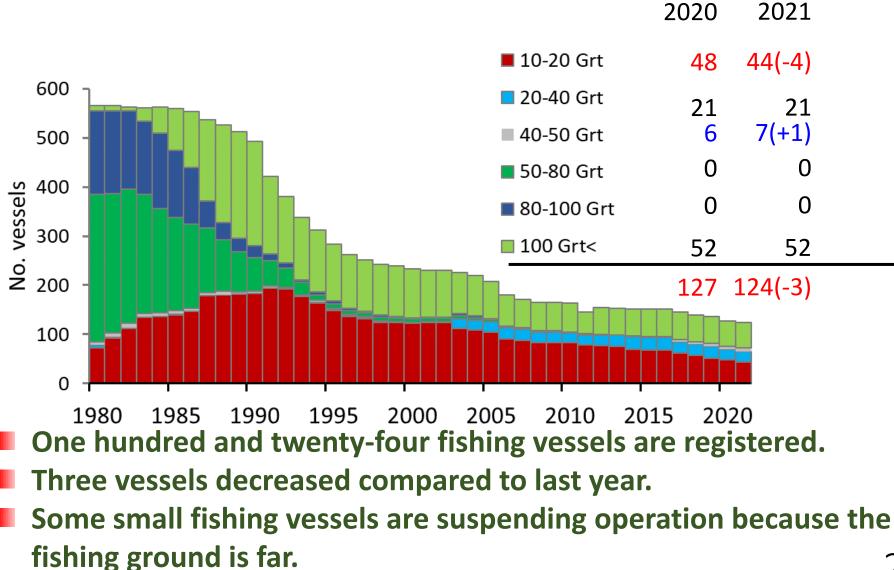
# Pacific saury fishing condition in Japan in 2021 (until November)



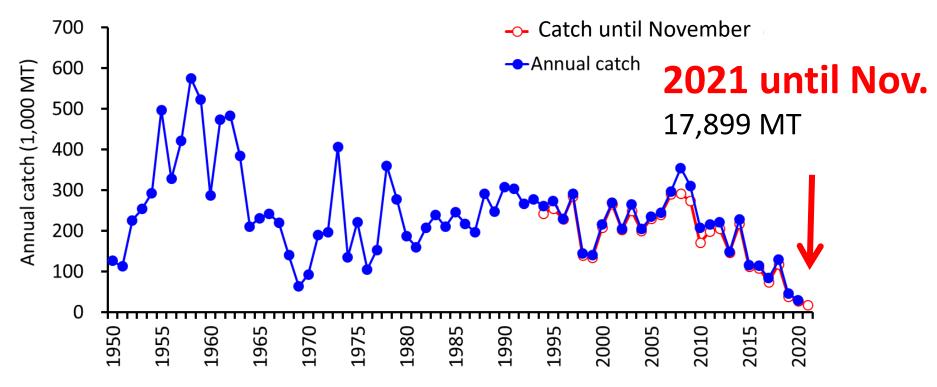
Fisheries Resources Institute, Japan Fisheries Research and Education Agency

# Number of vessels

Licensed by the Ministry of Agriculture, Forestry and Fisheries

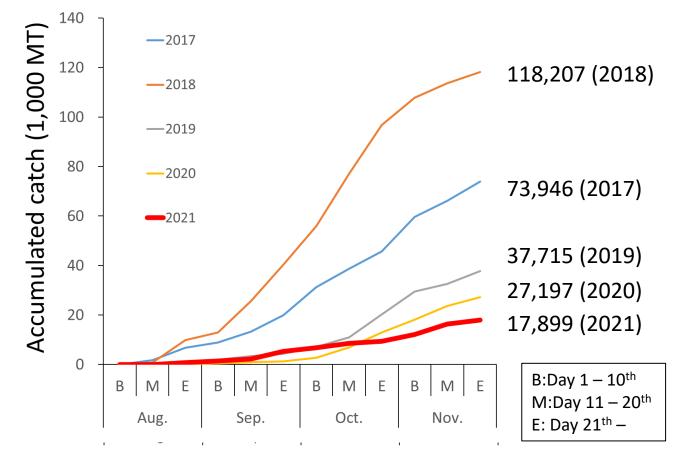


### Annual catch (1950-2020)



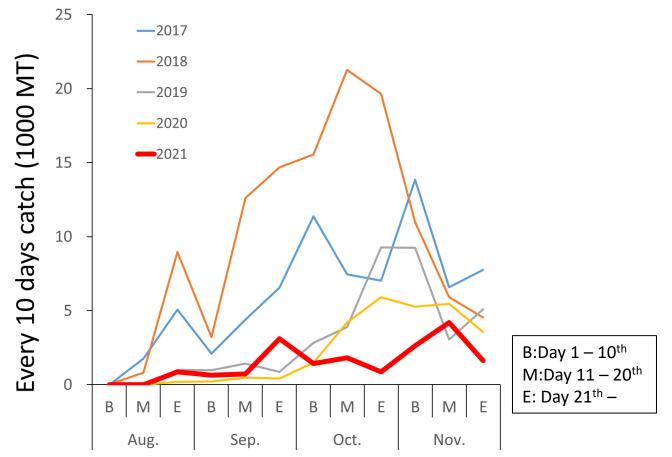
- Total catch in 2020 was 29,562 MT (Lowest after 1950)
- The catch by SHDNs until November accounts for more than 85% of the annual catch (after 1993).
- In 2021, the landing until November was 17,899 MT (27,197 MT in 2020).
- The annual catch in 2021 will be the lowest since 1950.

### Accumulated catch after August



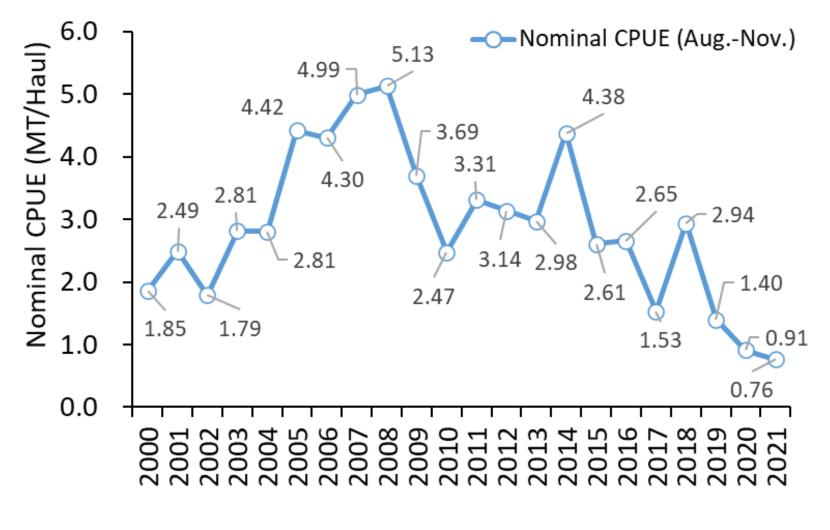
- Accumulate catches until September in 2021 were higher than in 2019 and 2020.
- However, accumulated catch until the end of November in 2021 is 65.8% of last year.

## Seasonal catch (Catches in 10 days)



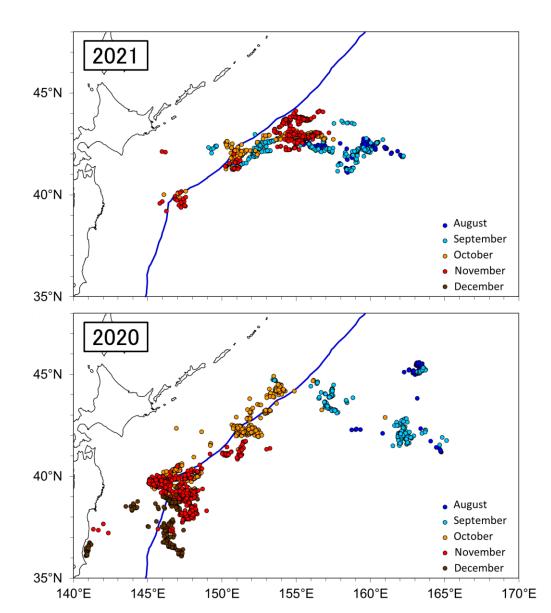
- Catches in 10 days until early October in this year were higher than last year.
- Since mid-October has been lower than last year.

#### **Nominal CPUE**



Nominal CPUE was 0.76 and lowest since 2000.

## Fishing grounds after August



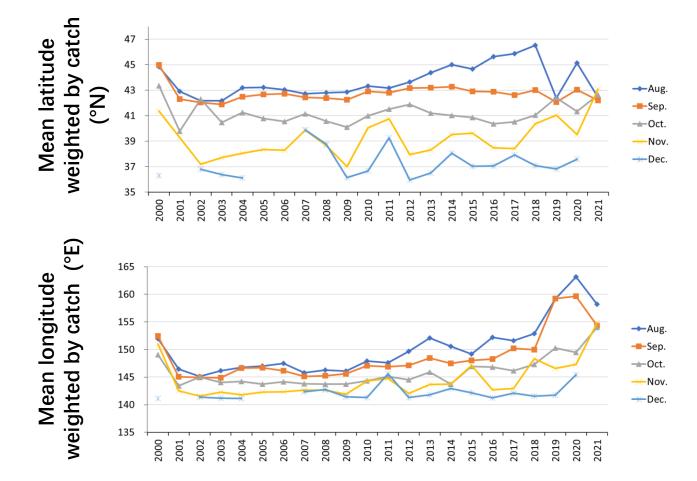
August High seas September to November Mainly high seas

More than 90% of catch was from high seas.

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

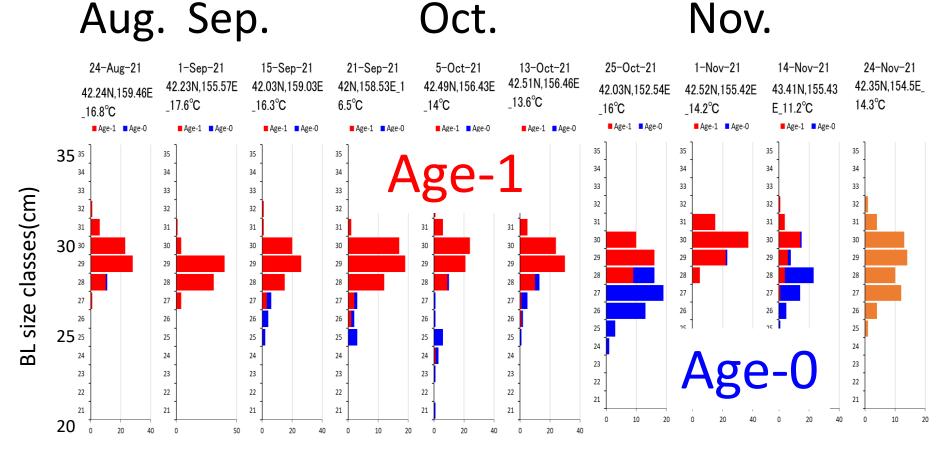
59% of catch was from high seas.

# Annual change of fishing ground



- Since 2010, the fishery ground has gradually moved east, particularly after 2019.
- In 2021, fishing ground has hardly moved from September to November.

# Body length and age compositions



No. individuals.

Age determination has not finished yet

Mainly age-1 fish until middle of October.

#### Summary

Pacific saury fishing condition in Japan in 2021

- The annual catch in 2021 will be the lowest since 1950.
- Nominal CPUE was 0.76 and lowest since 2000.
- More than 90% of catch was from high seas.

Thank you for your attention !