



Ecosystem survey 2019 R/V Johan Hjort

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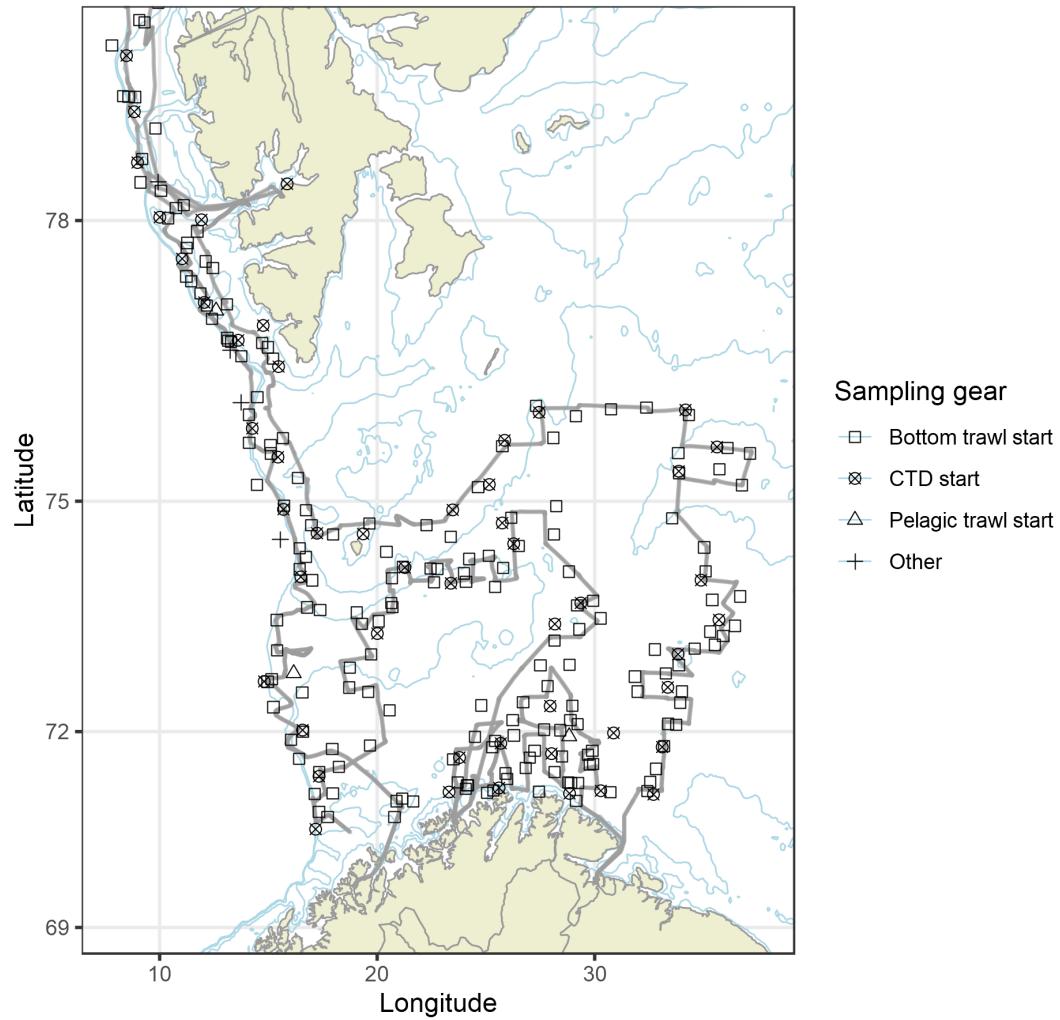
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1 Survey description and data availability

2 Cruise tracks and stations

Cruise tracks from the position log with points indicating start positions for different sampling gear. Points are jittered vertically.



2.1 Sampling effort

Total number of hauls taken during the survey: 191

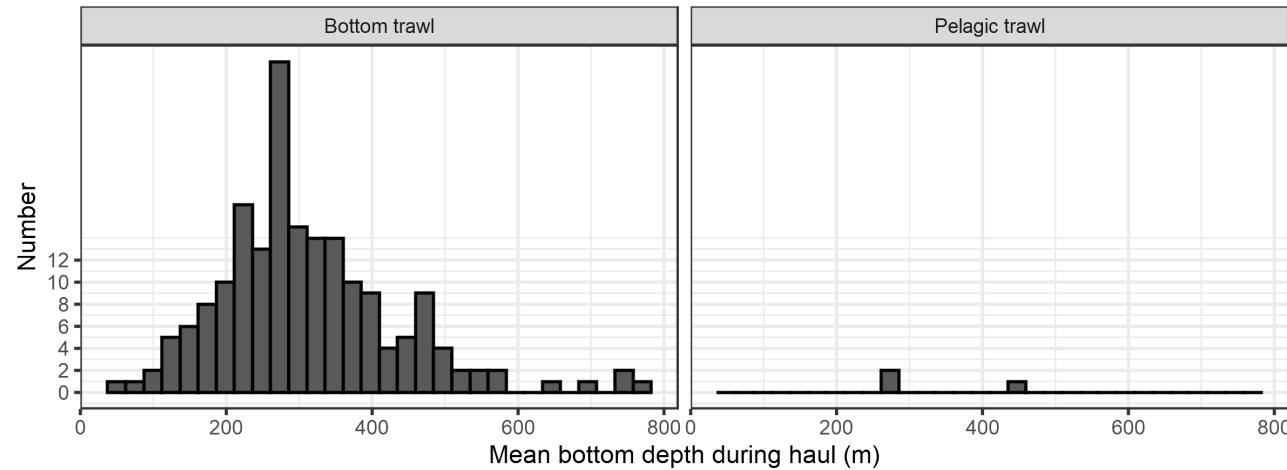
Number of samples by gear type:

Gear	N
Bottom trawl	188
Pelagic trawl	3

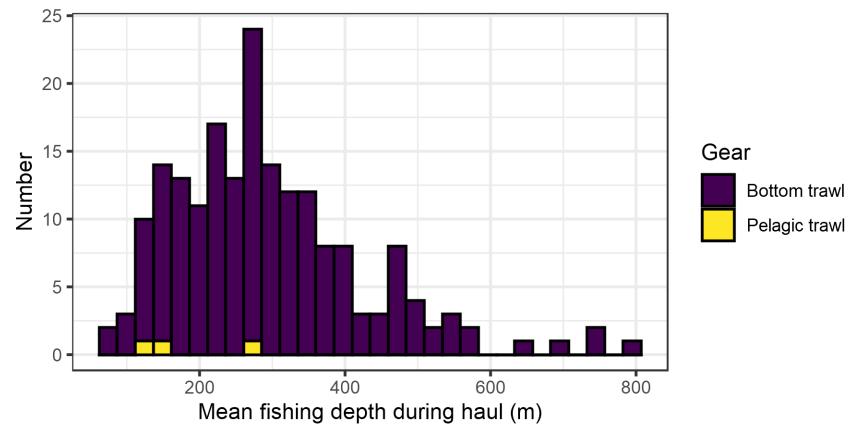
Range of bottom depths at sampling stations (m): 61.7, 782

Fishing depth range (m): 62.5, 782.4

2.1.1 Mean bottom depth during hauls



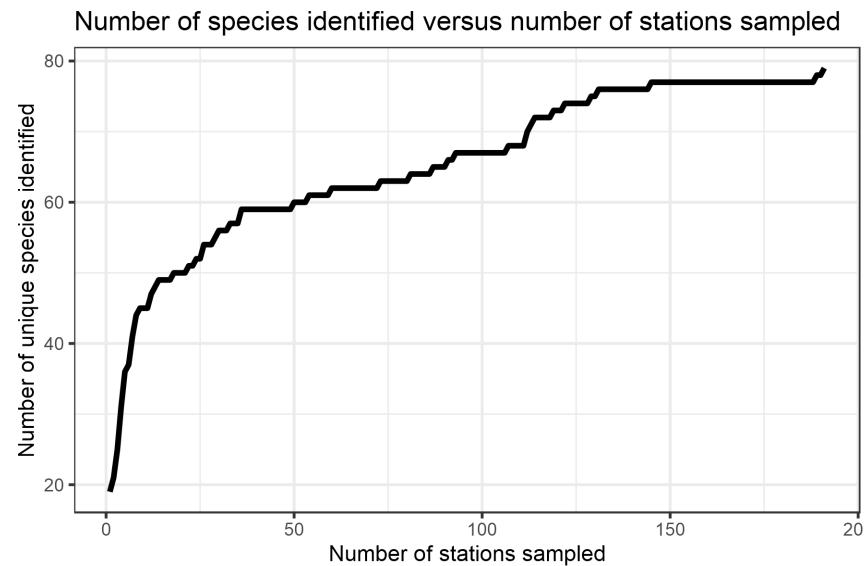
2.1.2 Mean fishing depth during hauls



3 Catch composition

3.1 Species diversity

Number of species registered during the survey: 79



3.2 Maximum catch rates by gear and species

Species with highest catch rate by biomass:

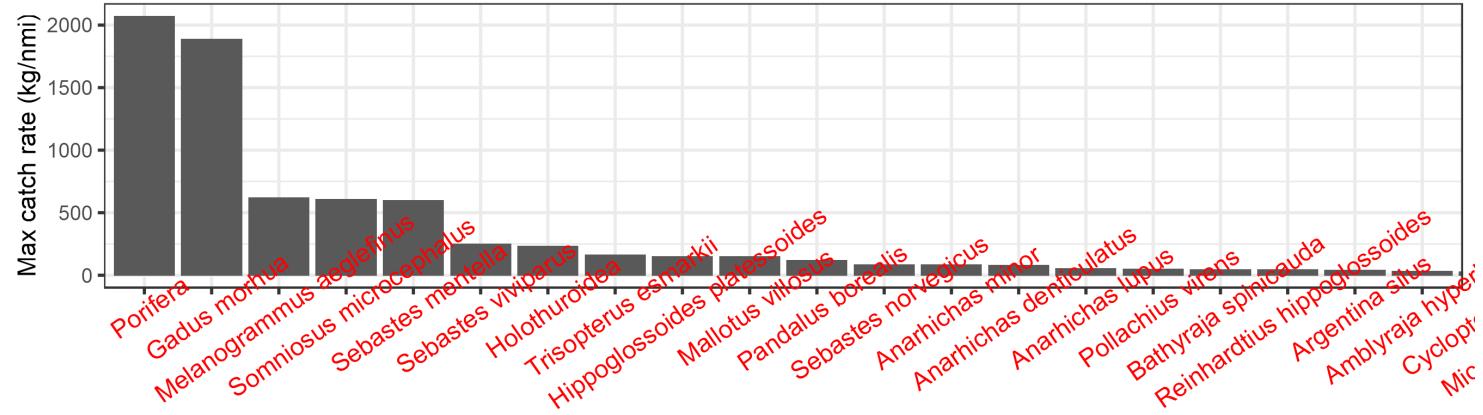
Gear	Scientific name
Bottom trawl	<i>Porifera</i>
Pelagic trawl	<i>Mallotus villosus</i>

Species with highest catch rate by number:

Gear	Scientific name
Bottom trawl	<i>Mallotus villosus</i>
Pelagic trawl	<i>Mallotus villosus</i>

The figures below show maximum catch rates of the 20 species with the highest maximum catch rates.

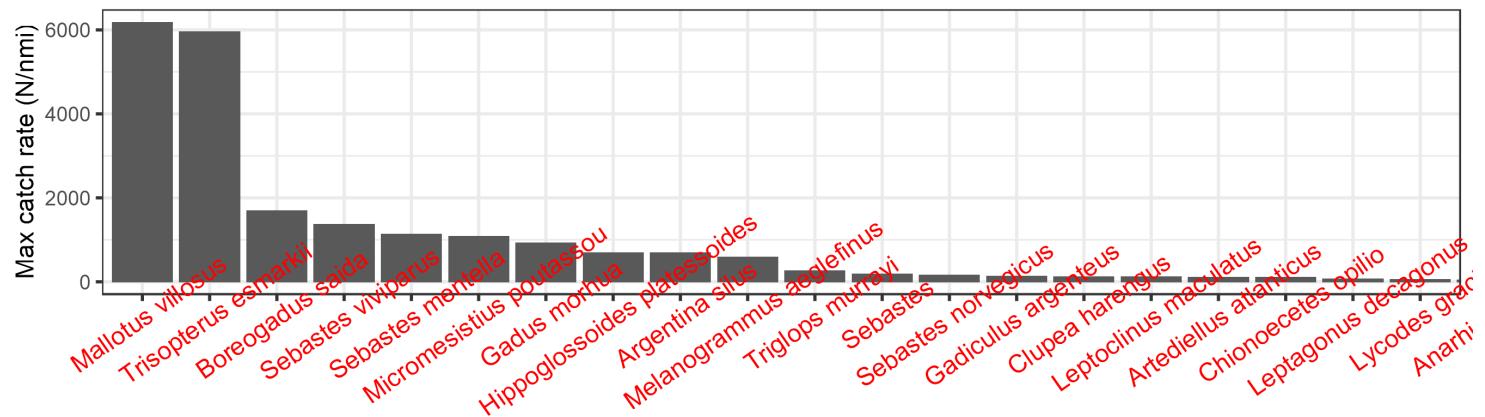
Biomass - Bottom trawl



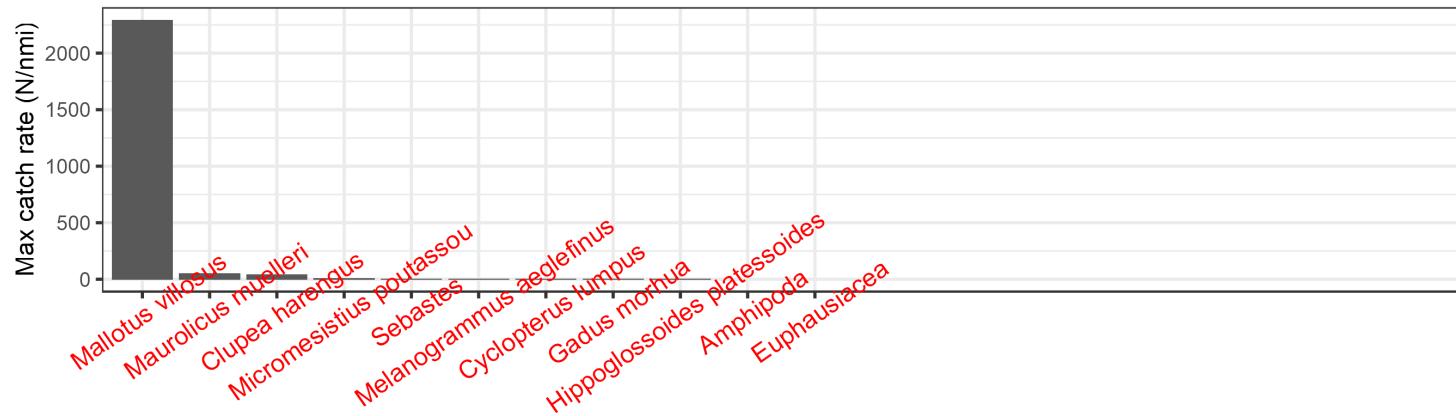
Biomass - Pelagic trawl



Number of individuals - Bottom trawl

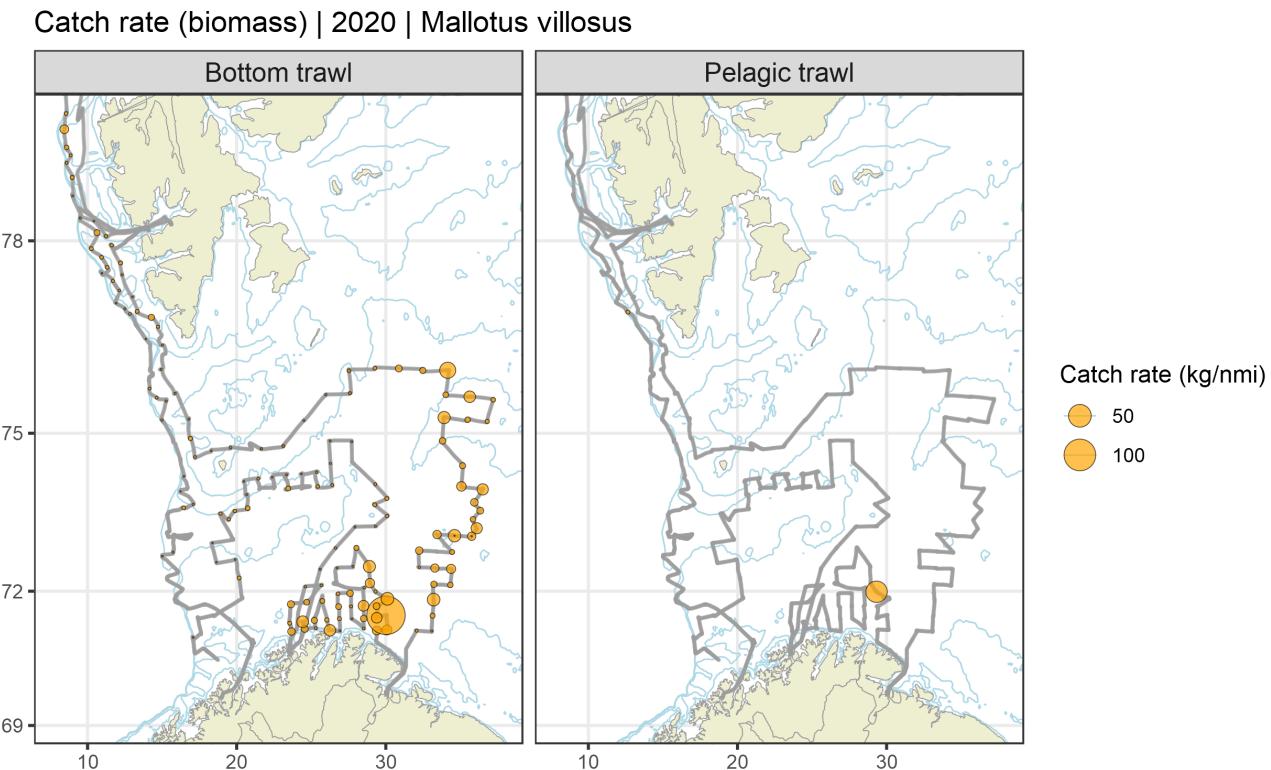


Number of individuals - Pelagic trawl

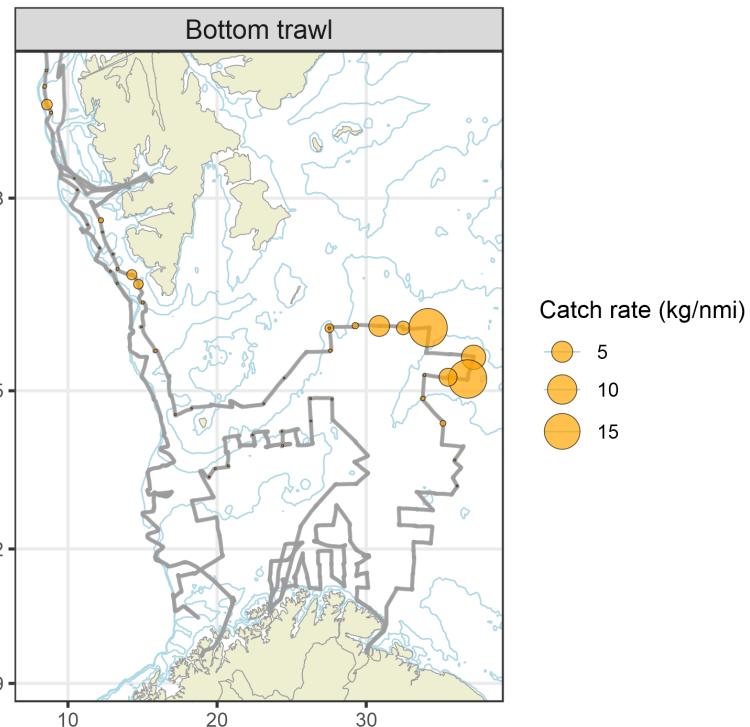


3.3 Spatial variation in catches of common species

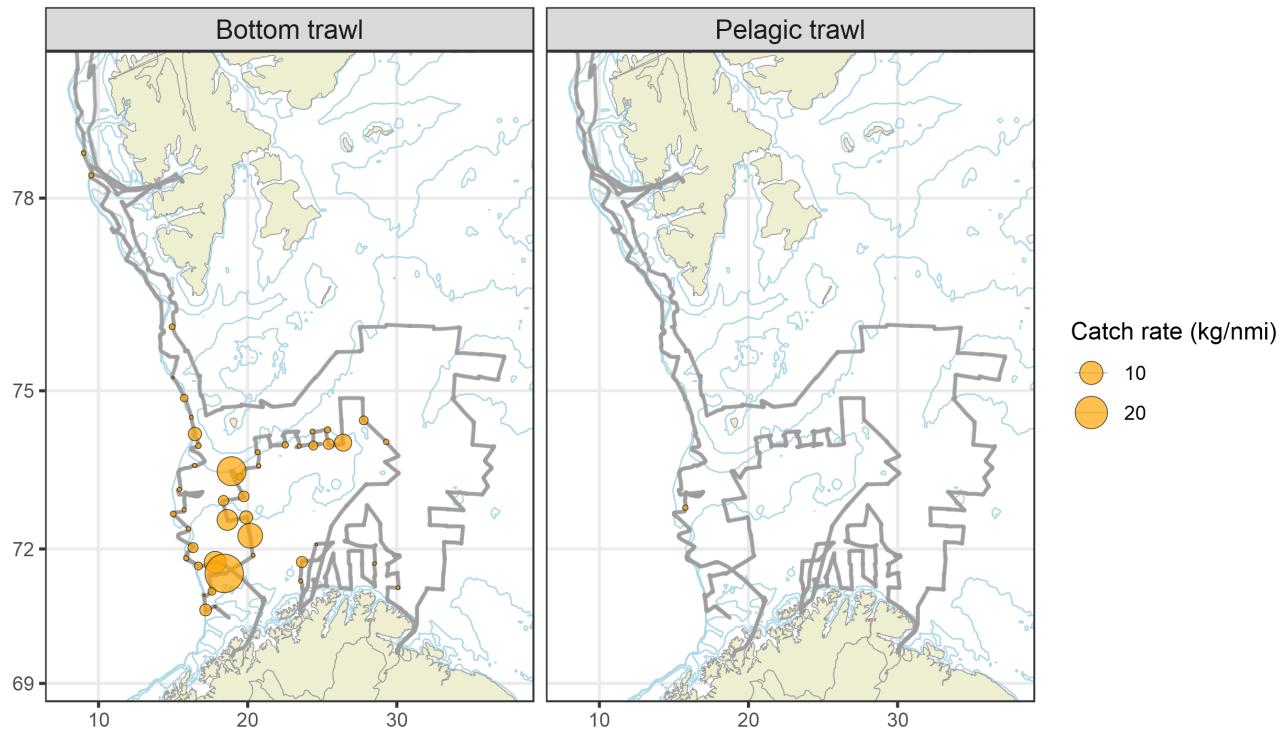
Catches are split by gear. Bubble size is comparable between gears within the same species, but not between species.



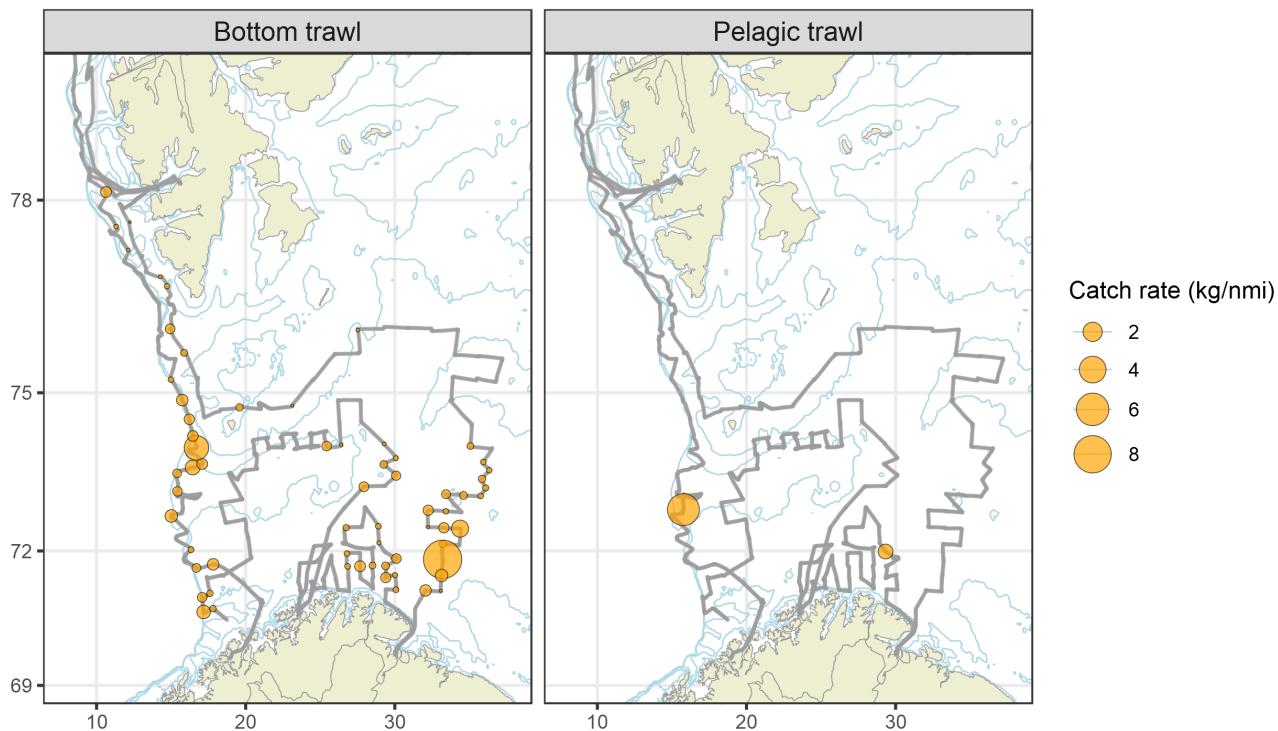
Catch rate (biomass) | 2020 | *Boreogadus saida*



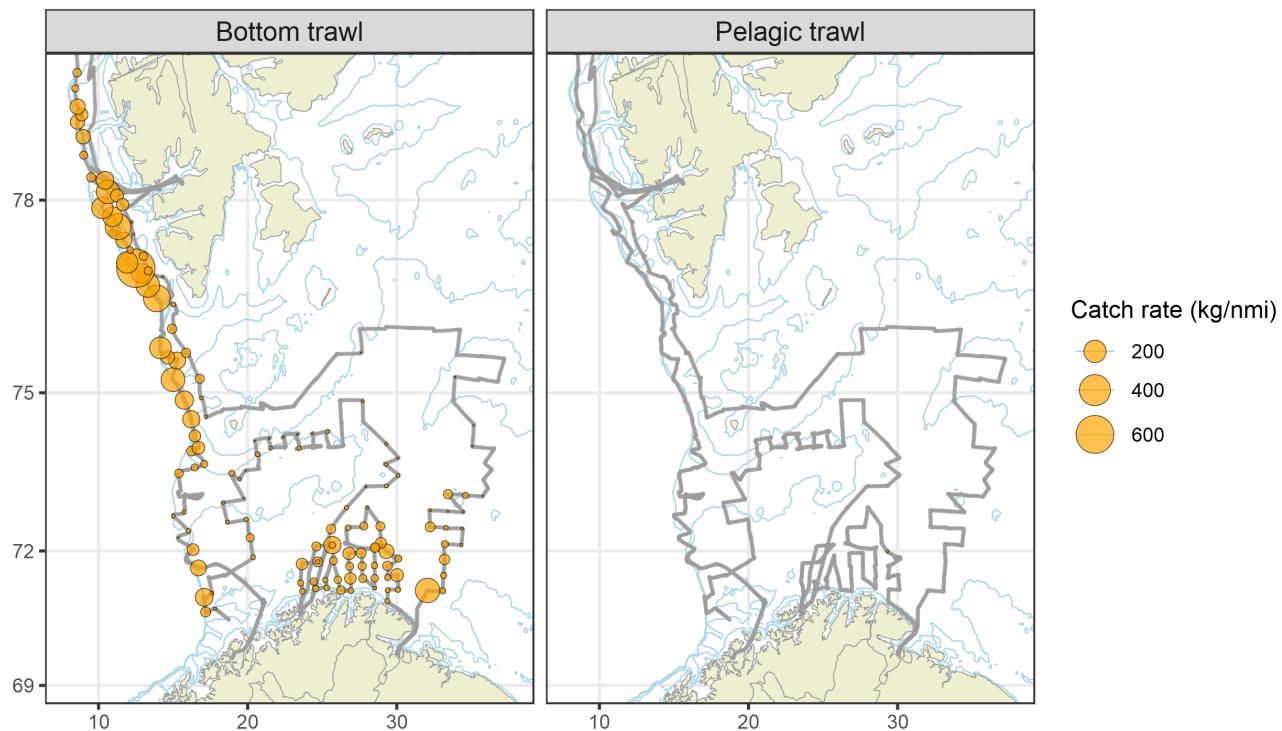
Catch rate (biomass) | 2020 | *Micromesistius poutassou*



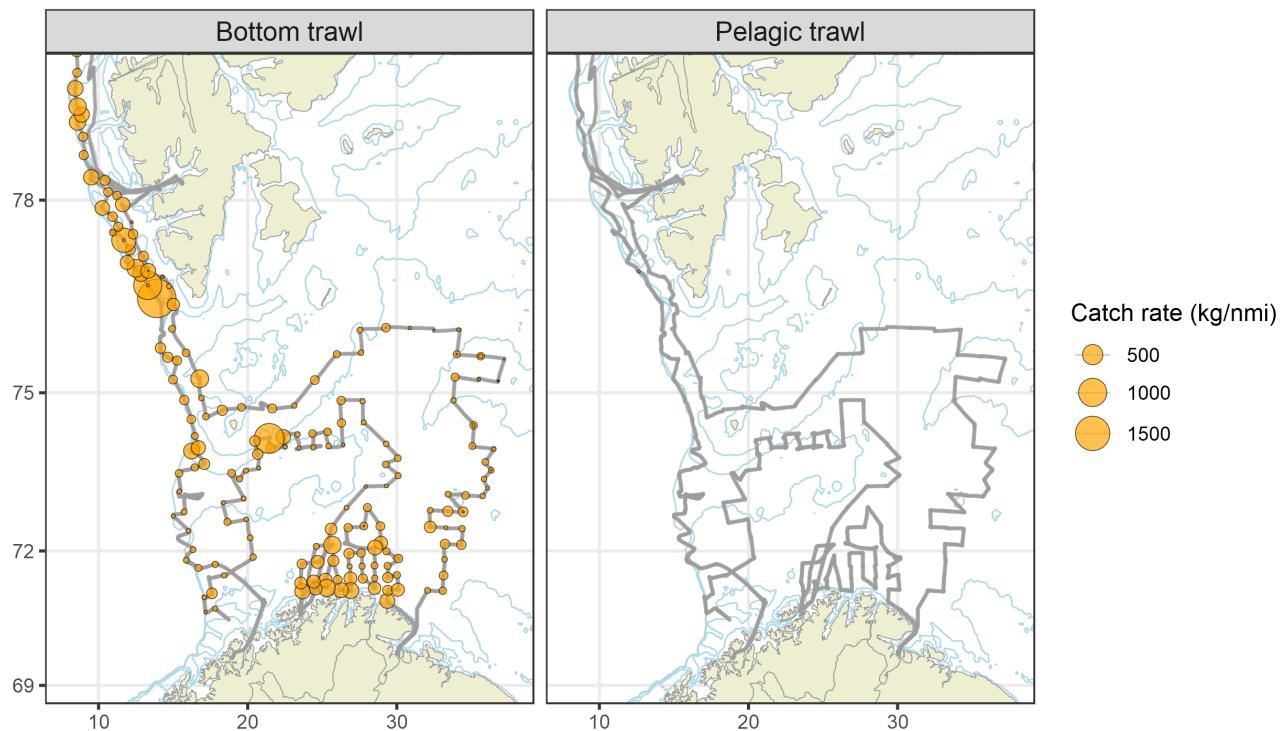
Catch rate (biomass) | 2020 | *Clupea harengus*



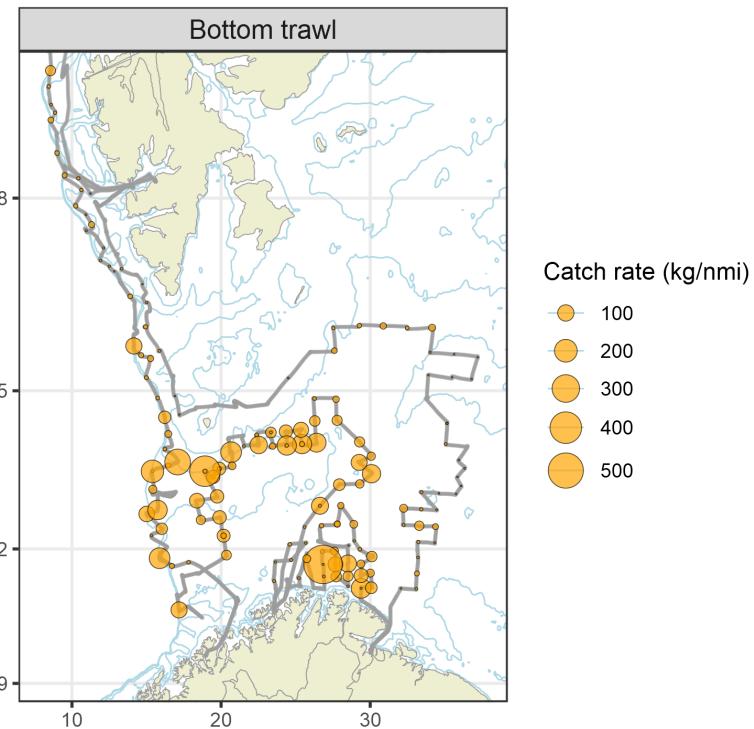
Catch rate (biomass) | 2020 | *Melanogrammus aeglefinus*



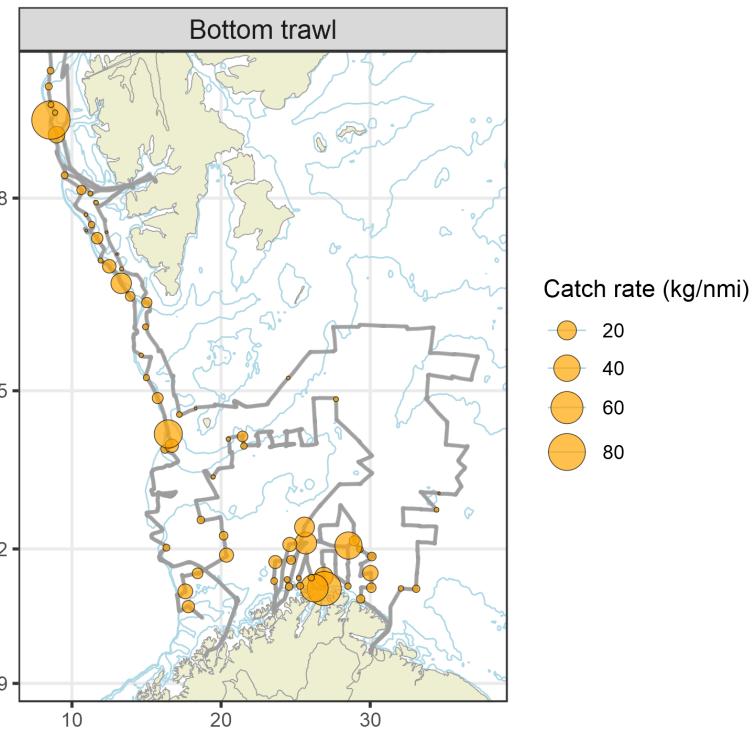
Catch rate (biomass) | 2020 | *Gadus morhua*



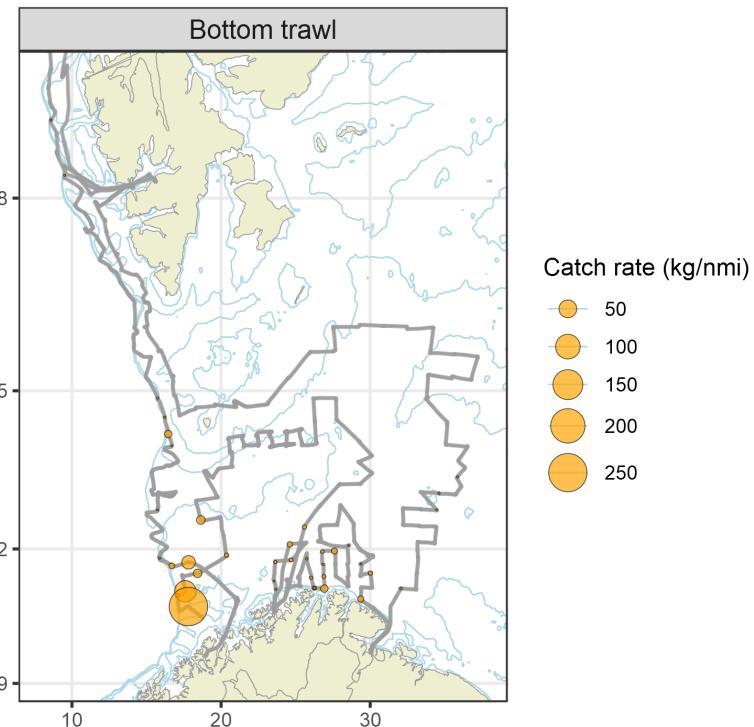
Catch rate (biomass) | 2020 | *Sebastes mentella*



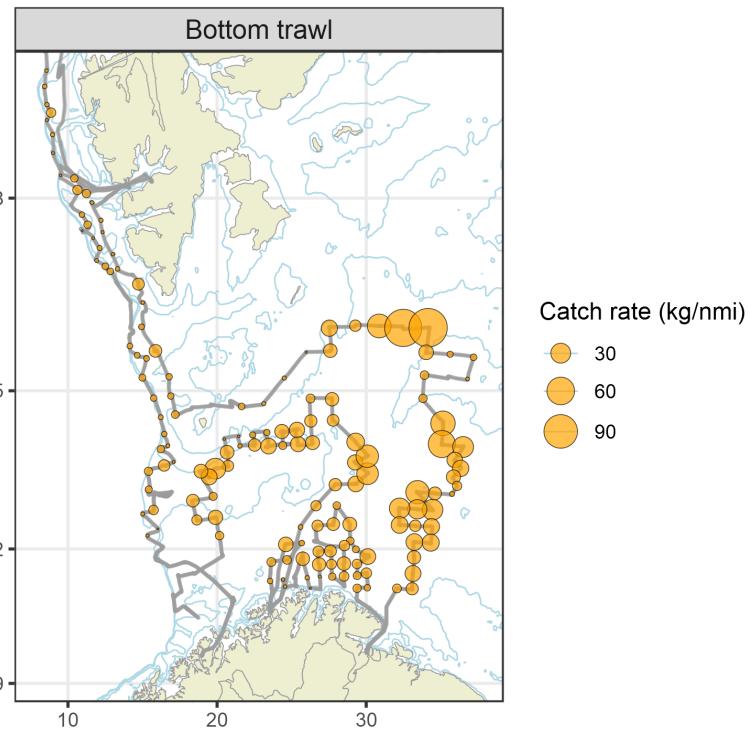
Catch rate (biomass) | 2020 | *Sebastes norvegicus*



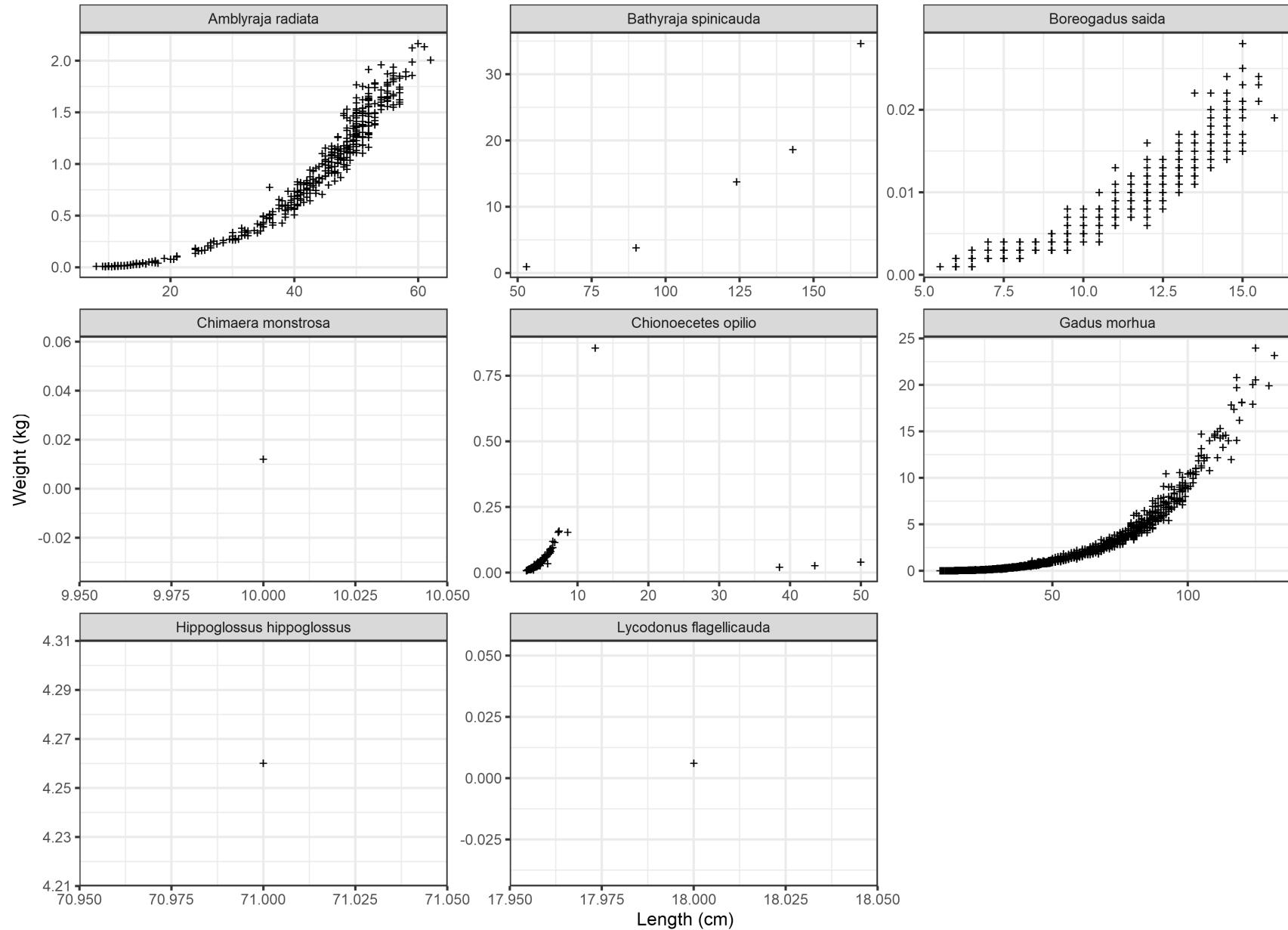
Catch rate (biomass) | 2020 | *Sebastes viviparus*

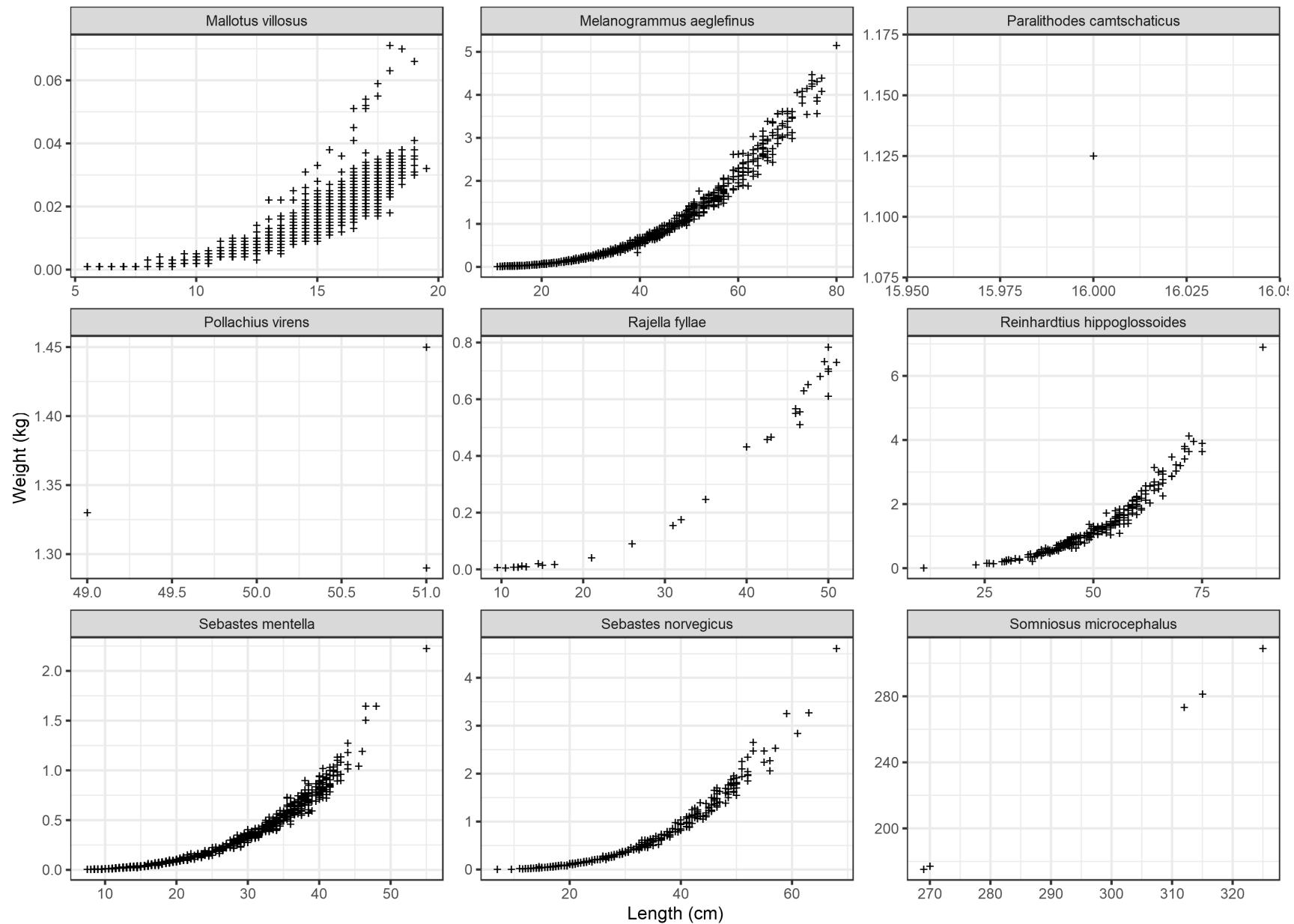


Catch rate (biomass) | 2020 | *Pandalus borealis*



3.4 Length-weight relationships





3.5 Length-age relationships

