



Coastal survey 2019 R/V Johan Hjort

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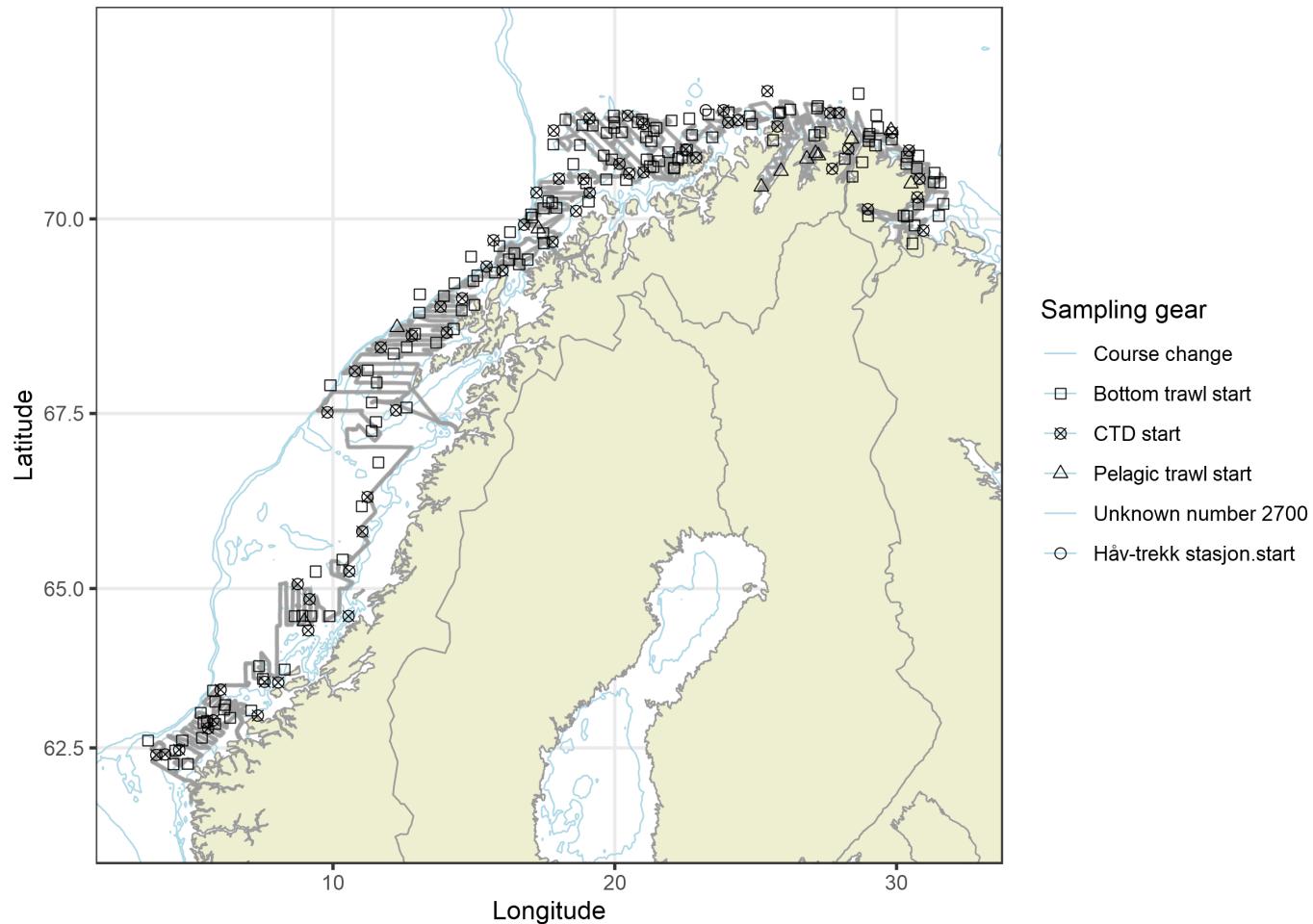
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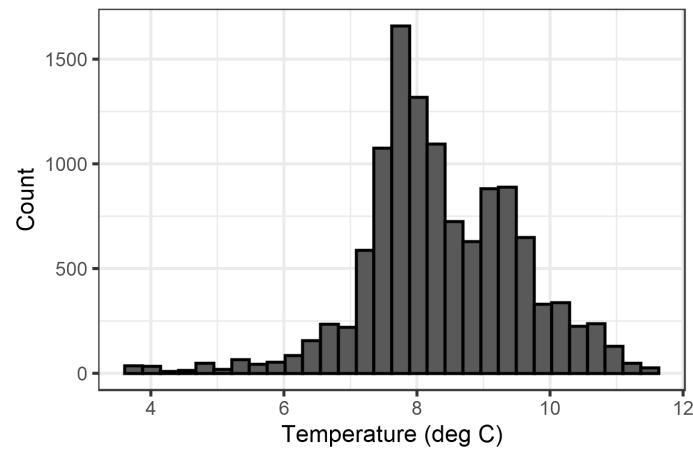
1 Survey description and data availability

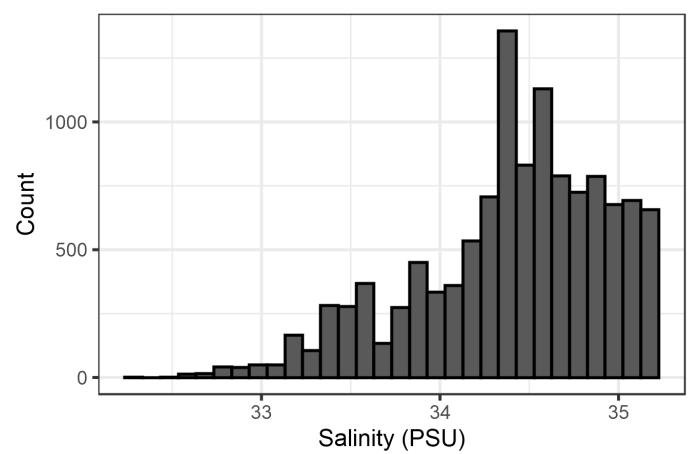
2 Cruise tracks and stations

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

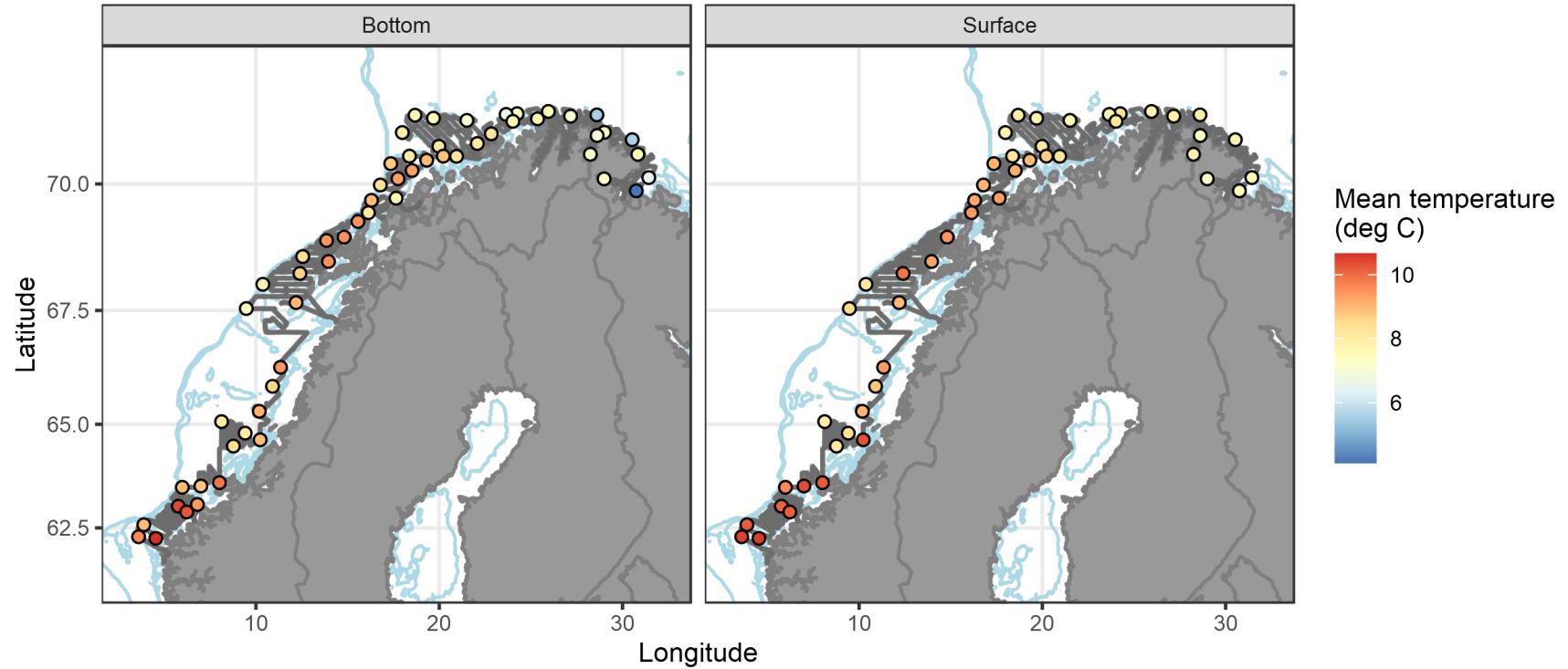


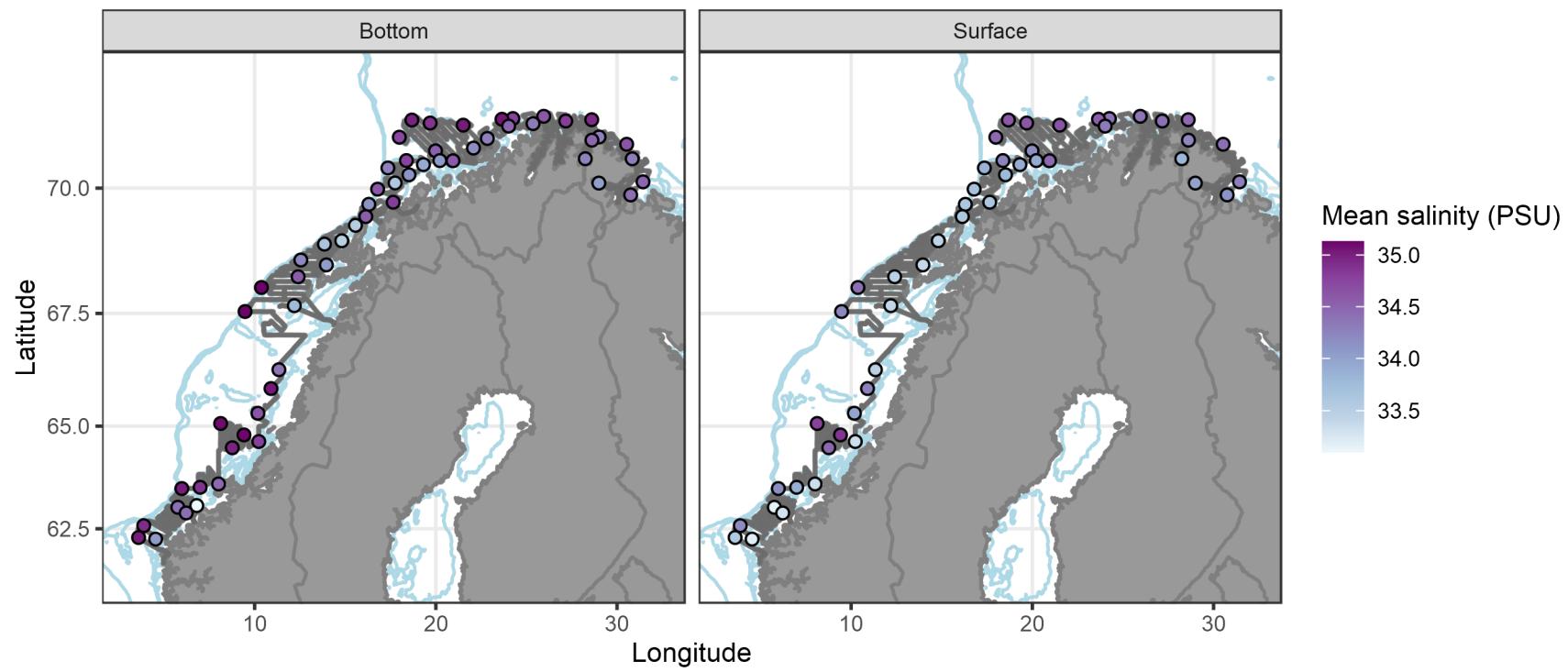
```
## # CTD  
## ## Summary of measurements  
##  
## Number of CTD casts done during the cruise:  
59  
  
##  
## Total depth covered by CTDs (km):  
6.2
```



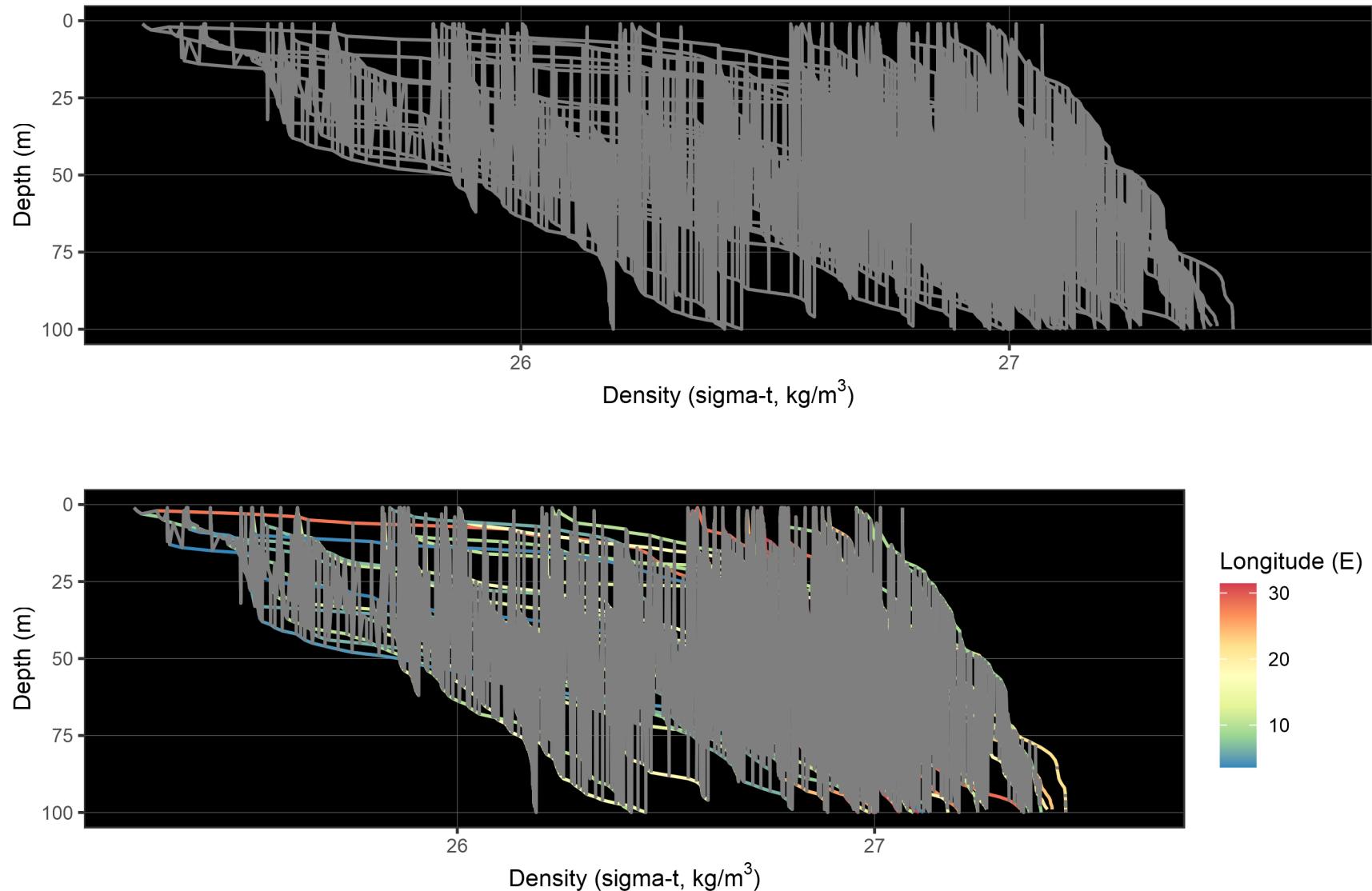


```
## ## Variation in temperature and salinity with bathymetry and geographical location
```

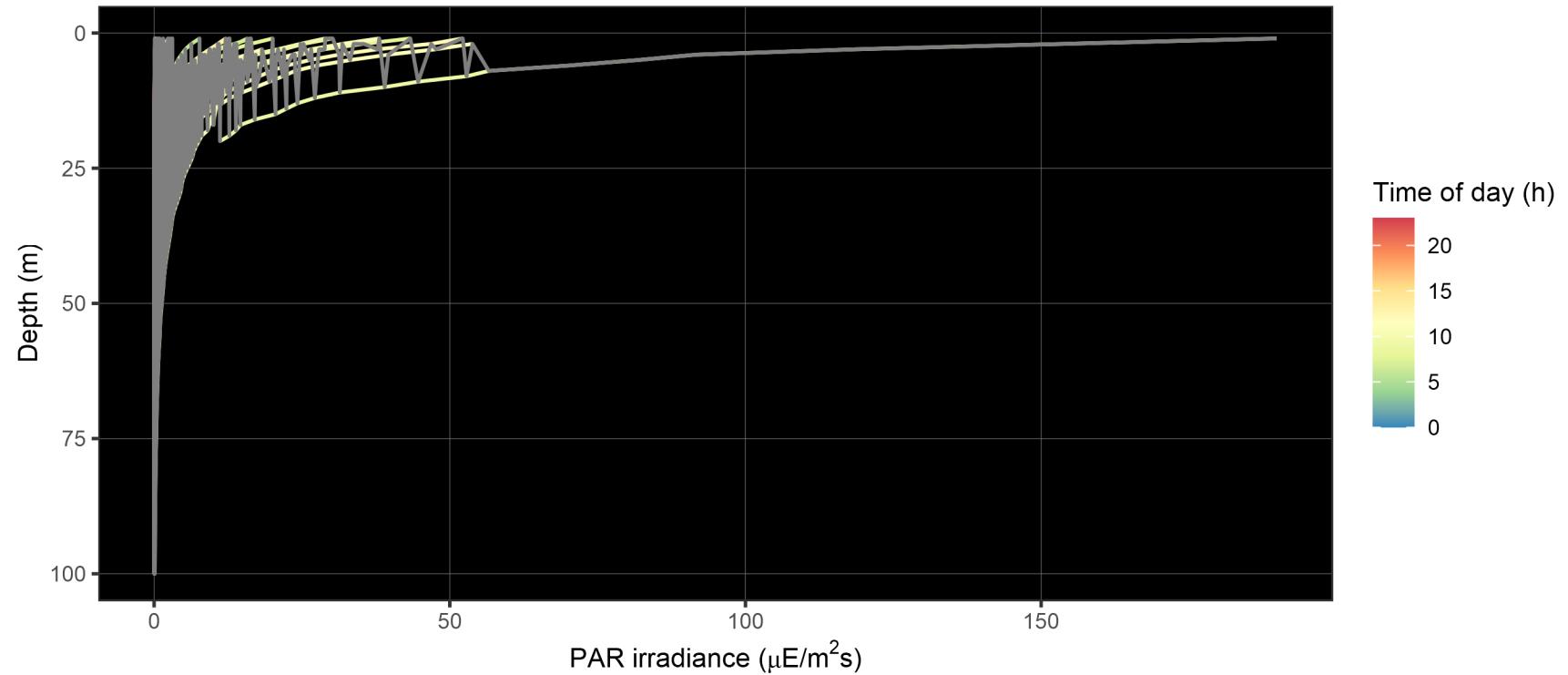




```
## ## Density in the water column
```



```
## ## Light in the water column
```



3 Biotic data

3.1 Sampling effort

Total number of hauls taken during the survey: 148

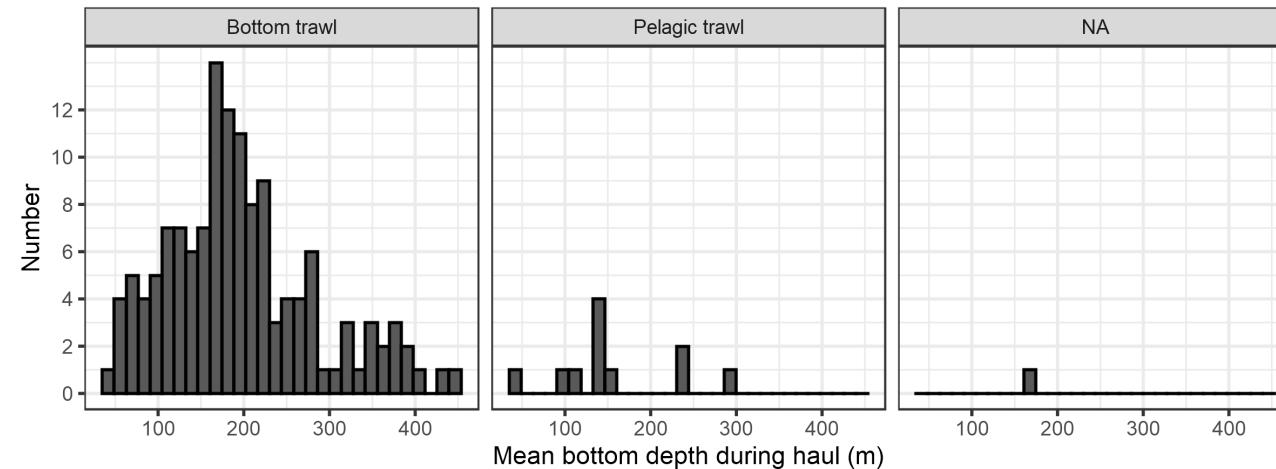
Number of samples by gear type:

Gear	N
Bottom trawl	136
Pelagic trawl	11

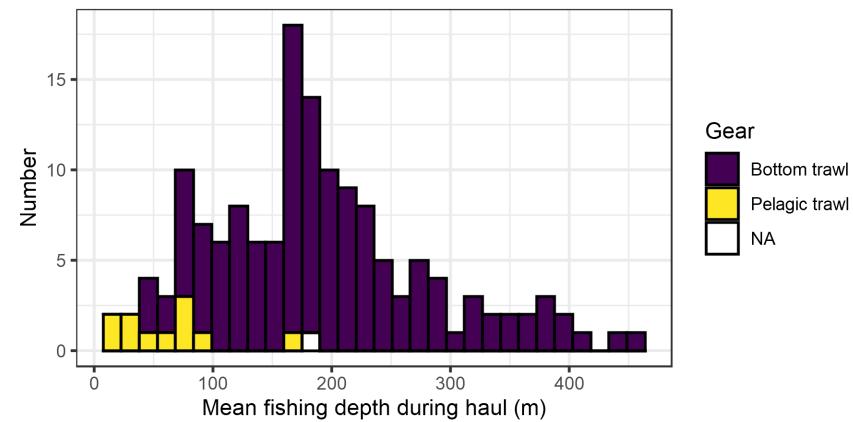
Range of bottom depths at sampling stations (m, will be NA if any station is missing bottom depth): 46.4, 451

Fishing depth range (m, will be NA if any station is missing fishing depth)): 10, 451

3.1.1 Mean bottom depth during hauls



3.1.2 Mean fishing depth during hauls

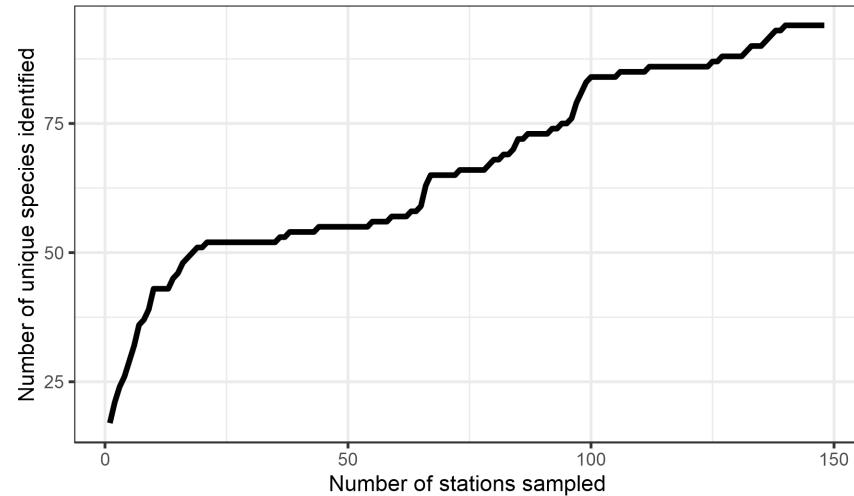


3.2 Catch composition

3.2.1 Species diversity

Number of species registered during the survey: 94

Number of species identified versus number of stations sampled
(excluding samples without station number)



3.2.2 Maximum catch rates by gear and species

Species with highest catch rate by biomass:

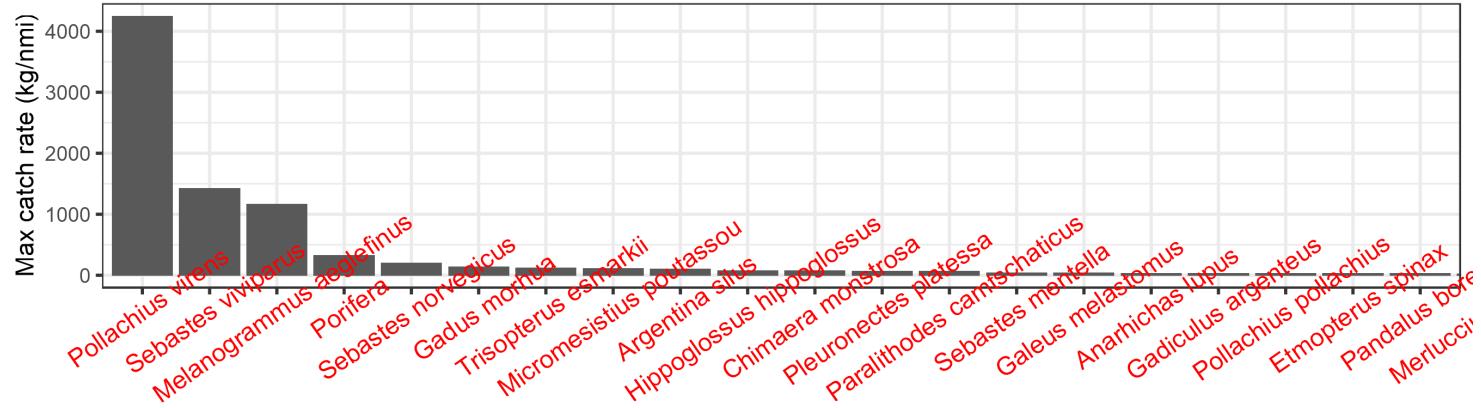
Gear	Scientific name
Bottom trawl	<i>Pollachius virens</i>
Pelagic trawl	<i>Clupea harengus</i>
NA	<i>Trisopterus esmarkii</i>

Species with highest catch rate by number:

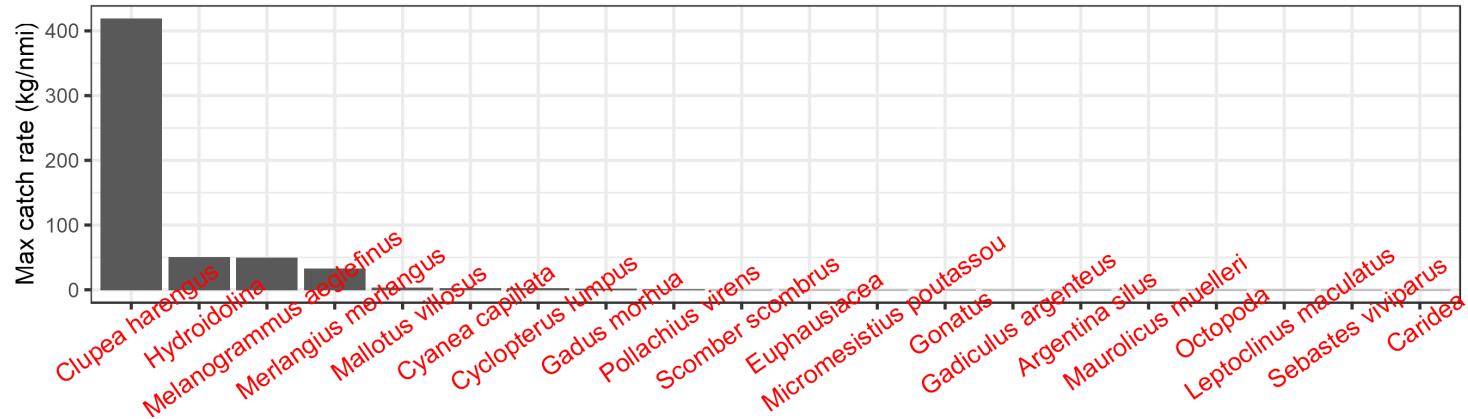
Gear	Scientific name
Bottom trawl	<i>Sebastes viviparus</i>
Pelagic trawl	<i>Clupea harengus</i>
NA	<i>Trisopterus esmarkii</i>

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

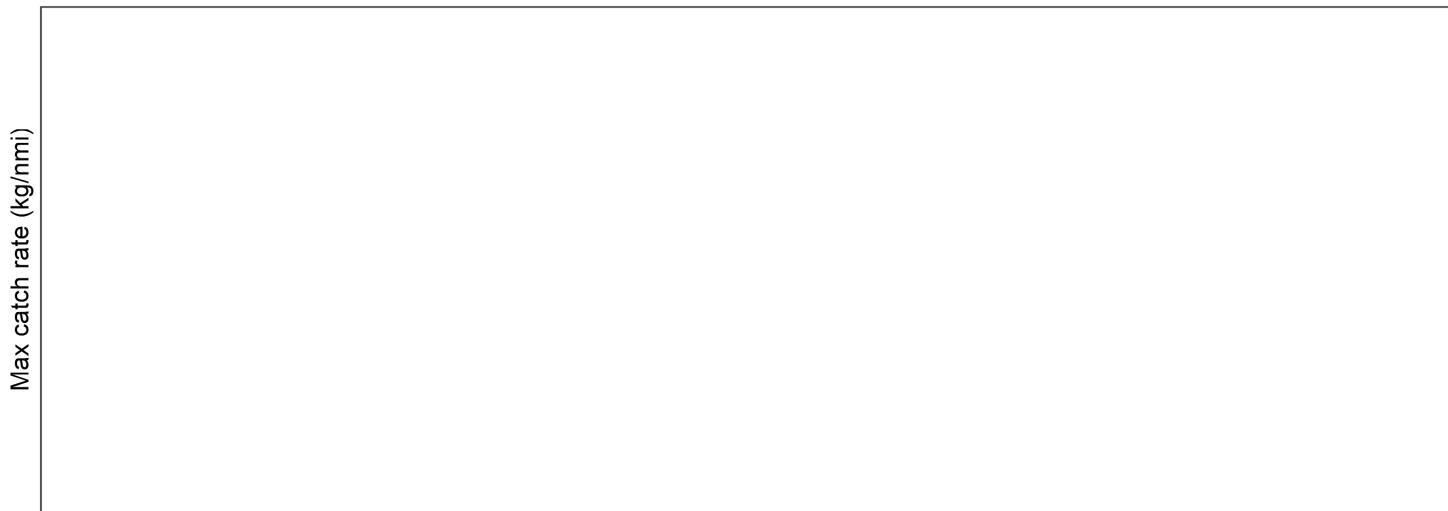
Biomass - Bottom trawl



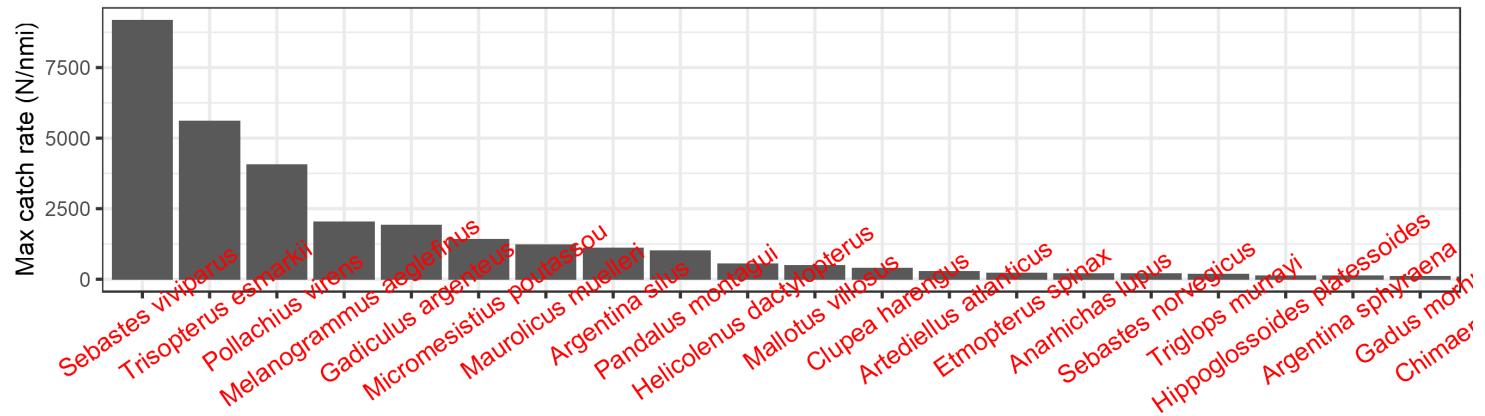
Biomass - Pelagic trawl



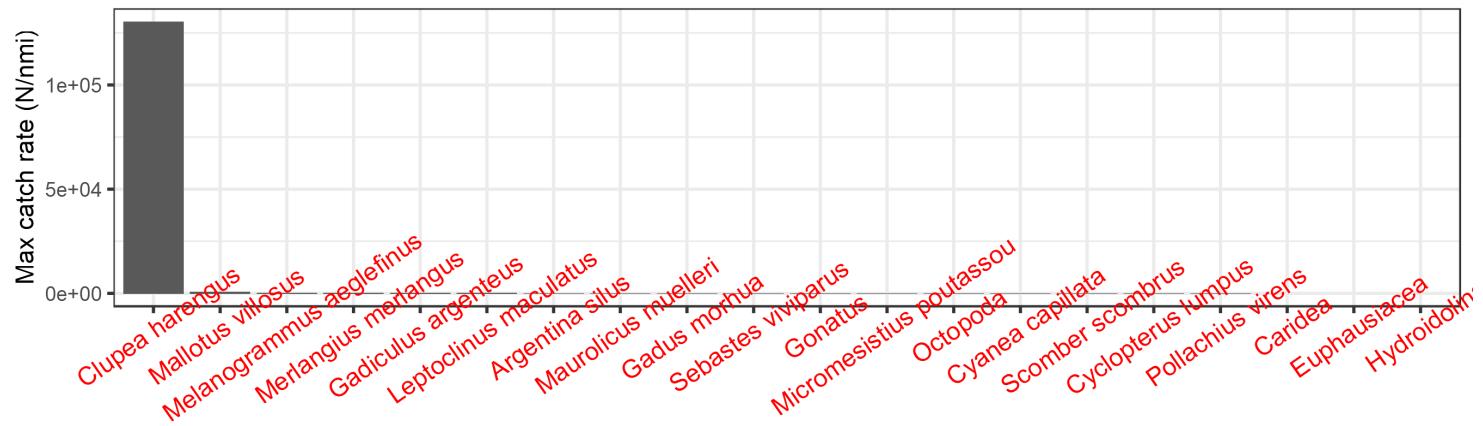
Biomass - NA



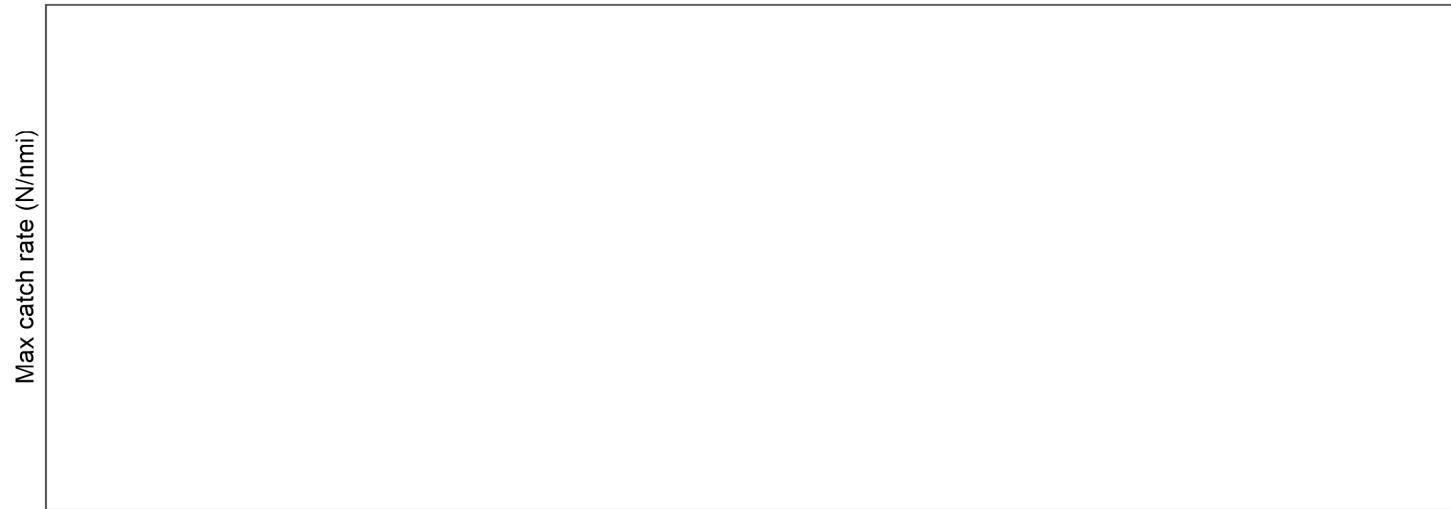
Number of individuals - Bottom trawl



Number of individuals - Pelagic trawl



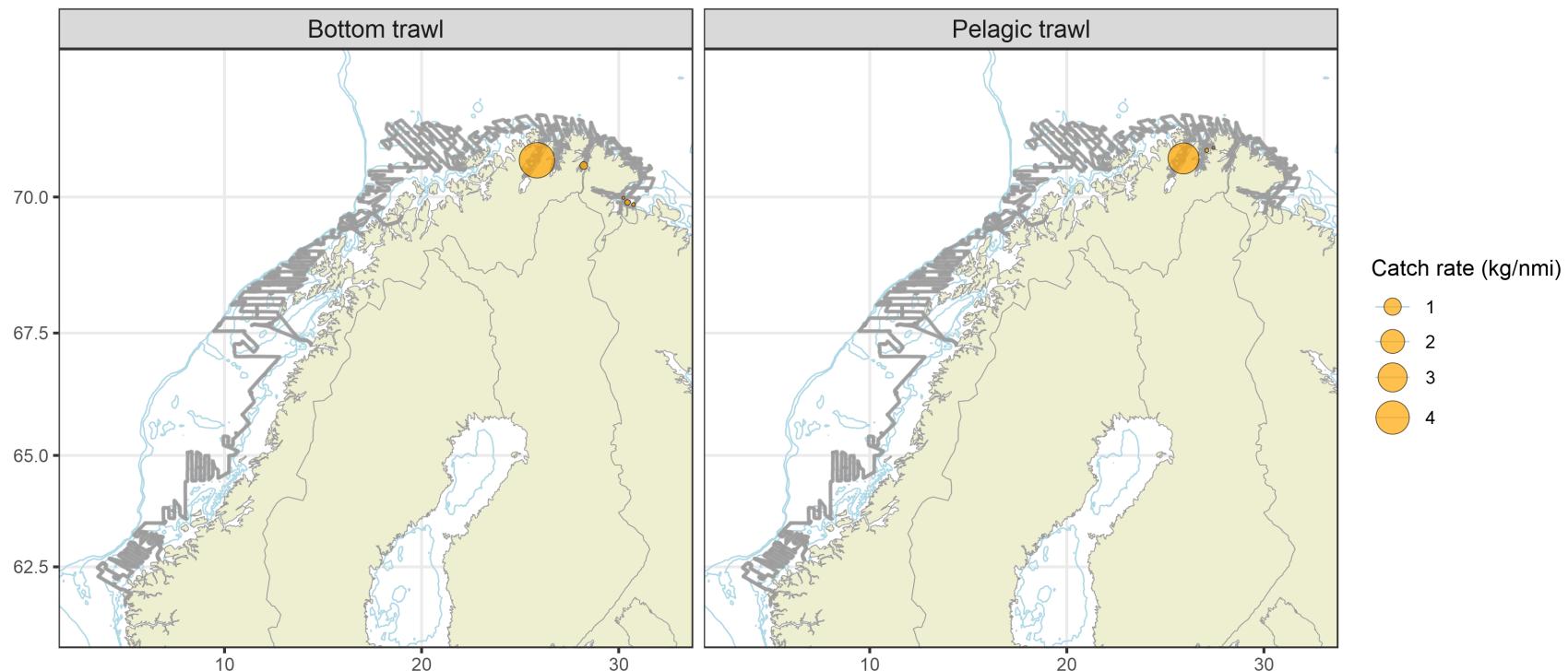
Number of individuals - NA



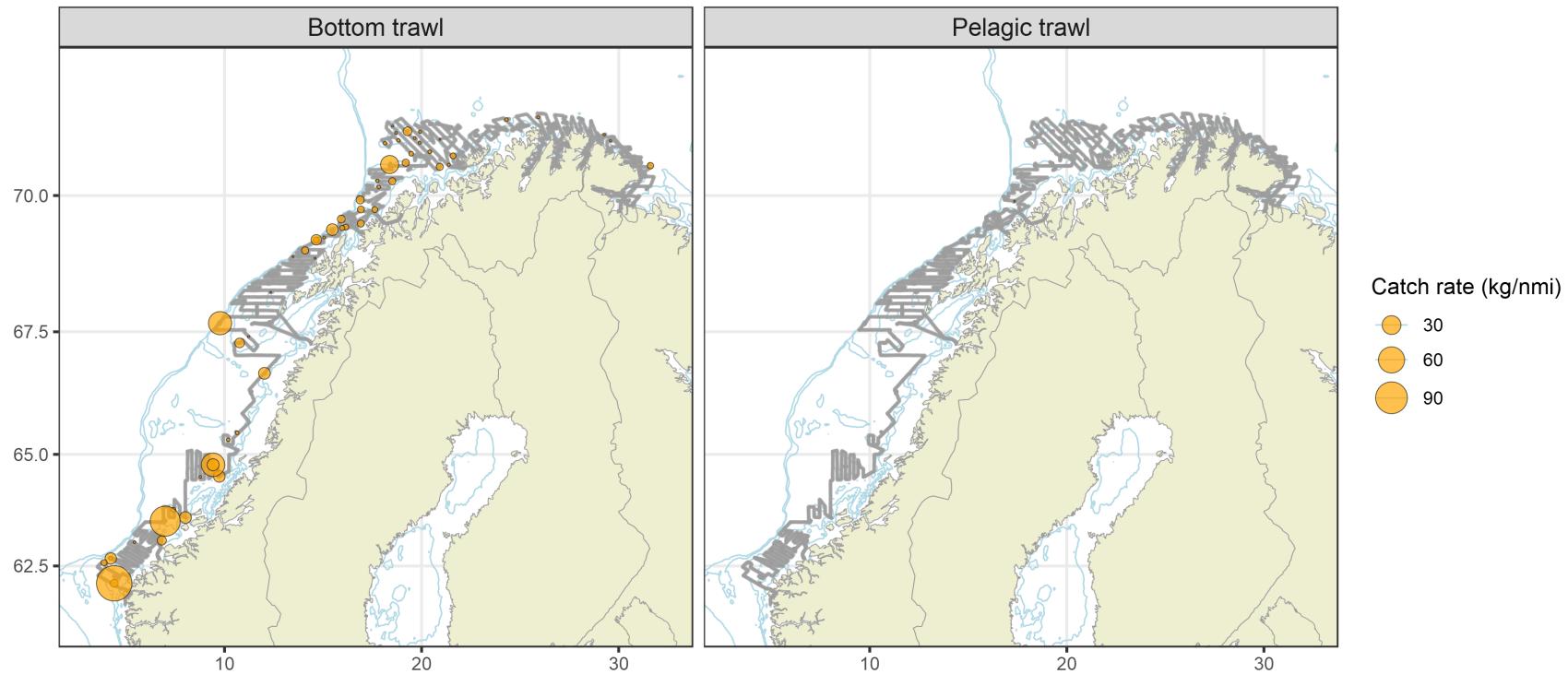
3.3 Spatial variation in catches of common species

Catches are split by gear. Bubble size is comparable between gears within the same species, but not between species. Samples taken with unspecified gear are removed.

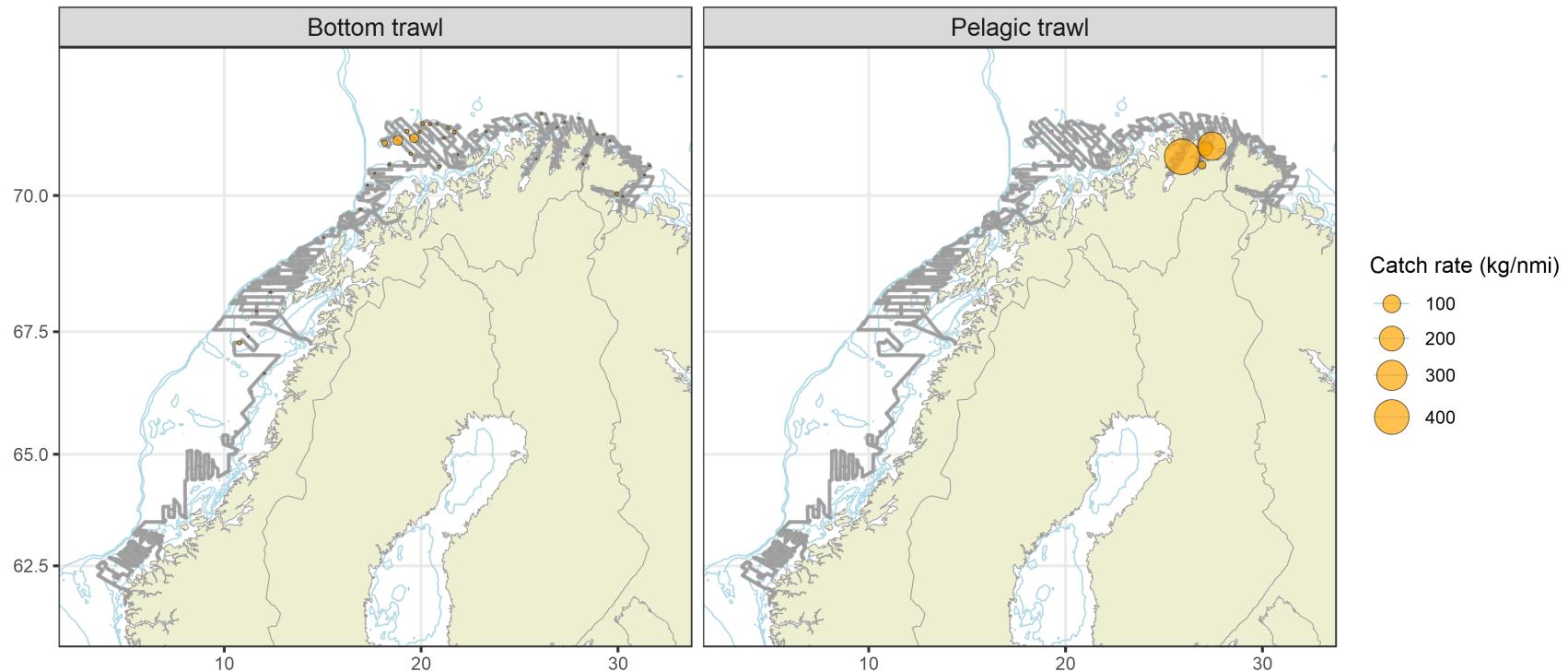
Catch rate (biomass) | 2020 | *Mallotus villosus*



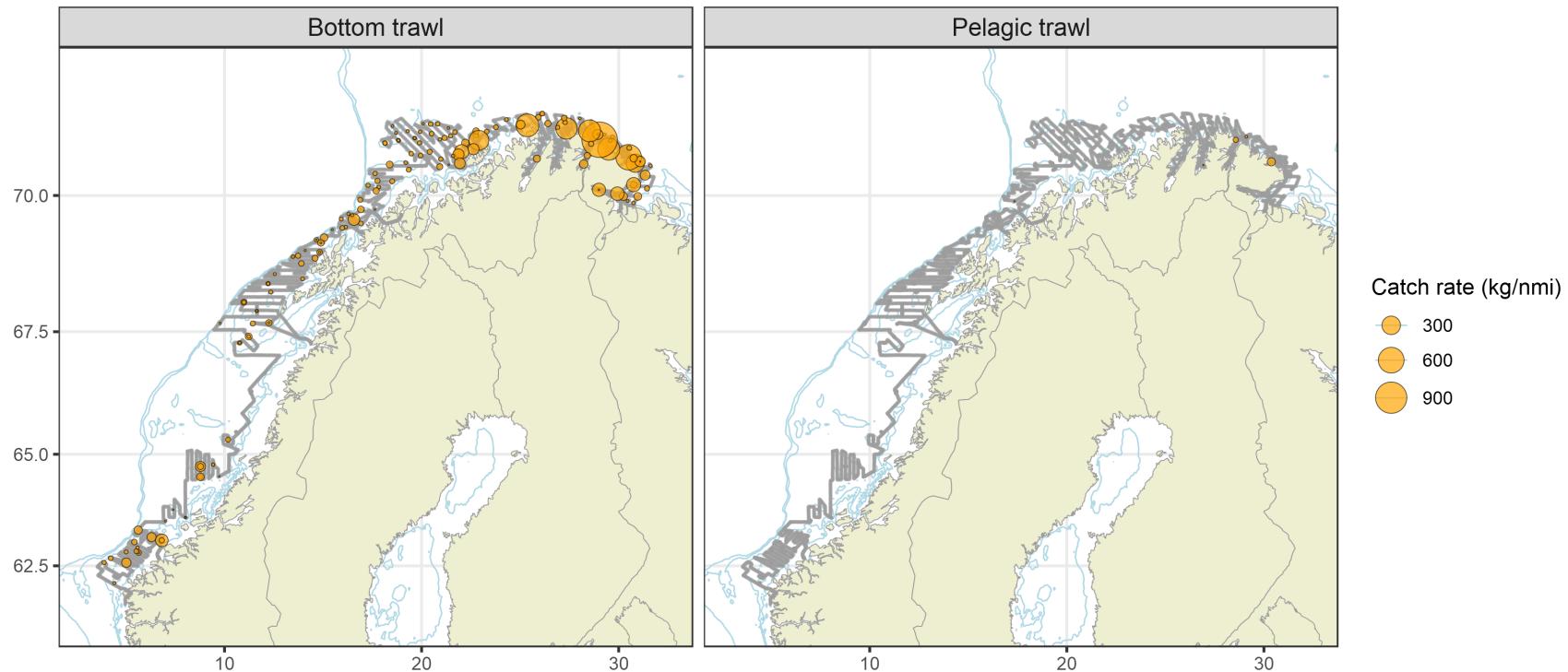
Catch rate (biomass) | 2020 | *Micromesistius poutassou*



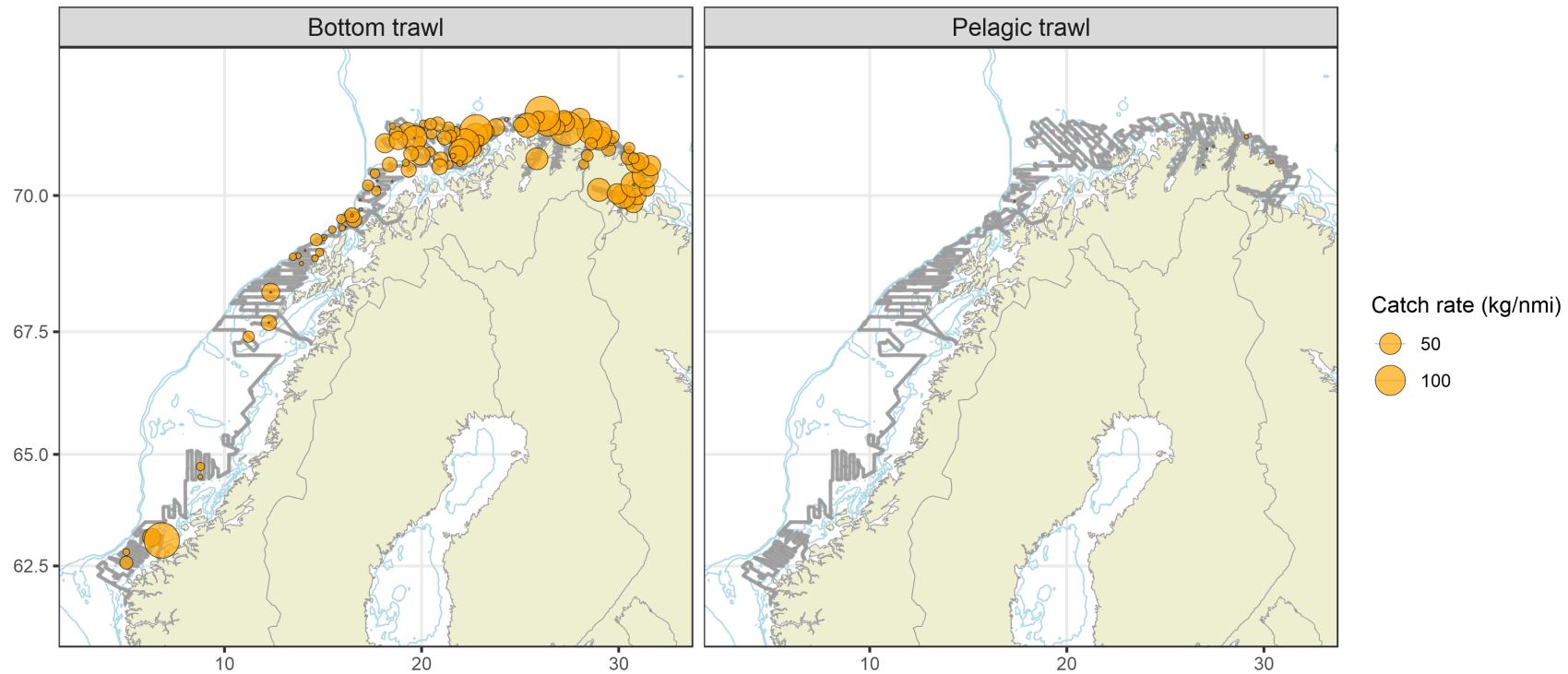
Catch rate (biomass) | 2020 | *Clupea harengus*



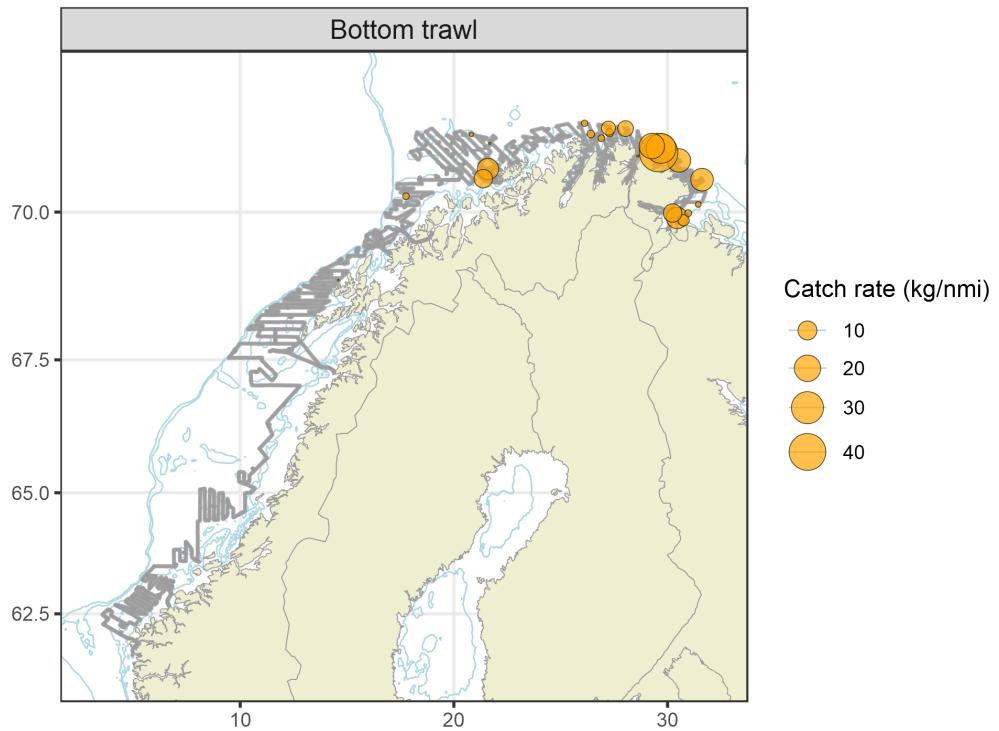
Catch rate (biomass) | 2020 | *Melanogrammus aeglefinus*



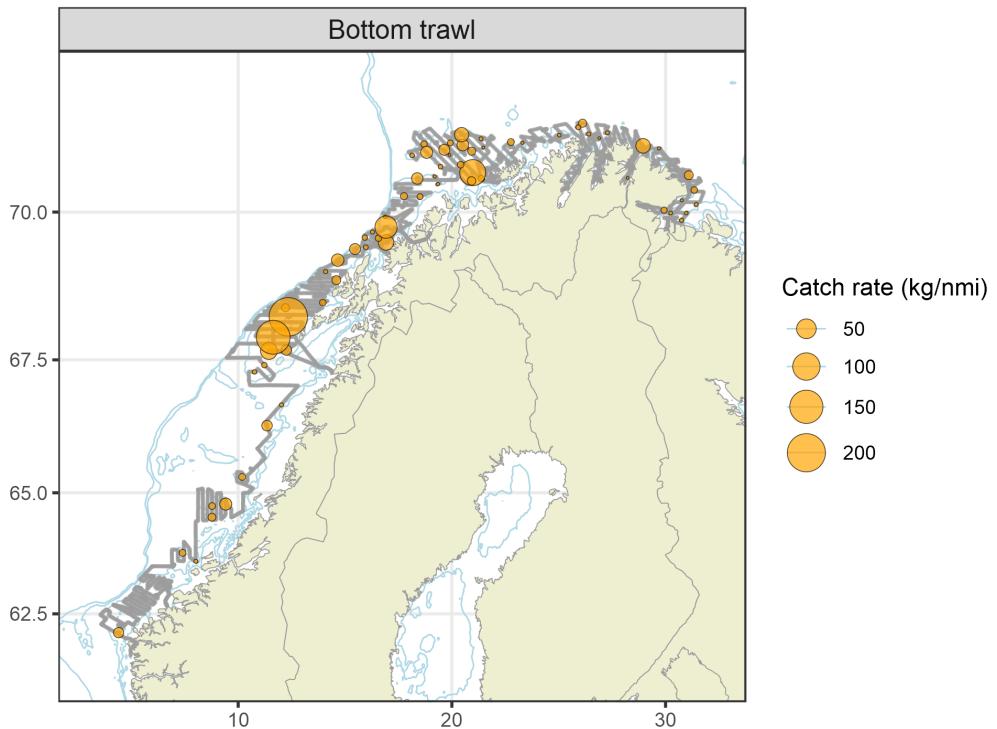
Catch rate (biomass) | 2020 | *Gadus morhua*



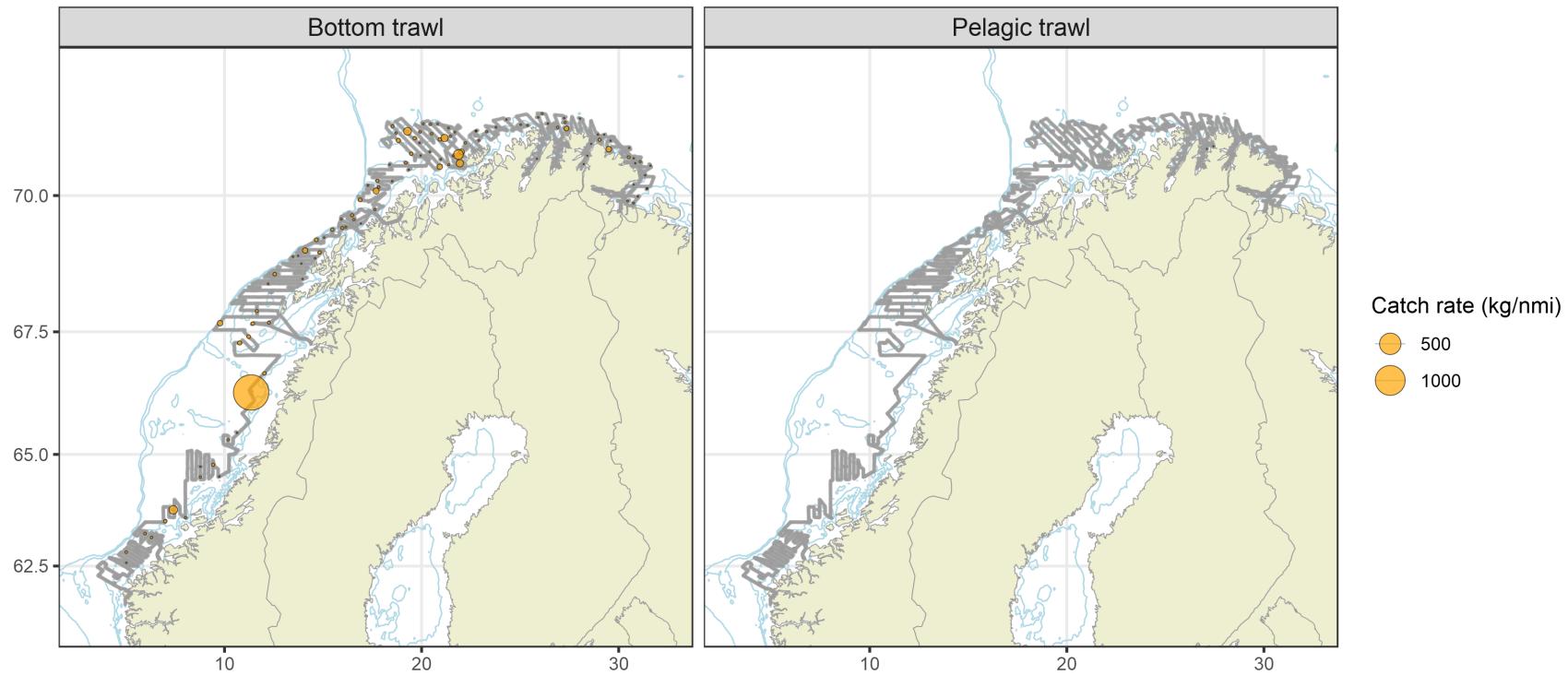
Catch rate (biomass) | 2020 | *Sebastes mentella*



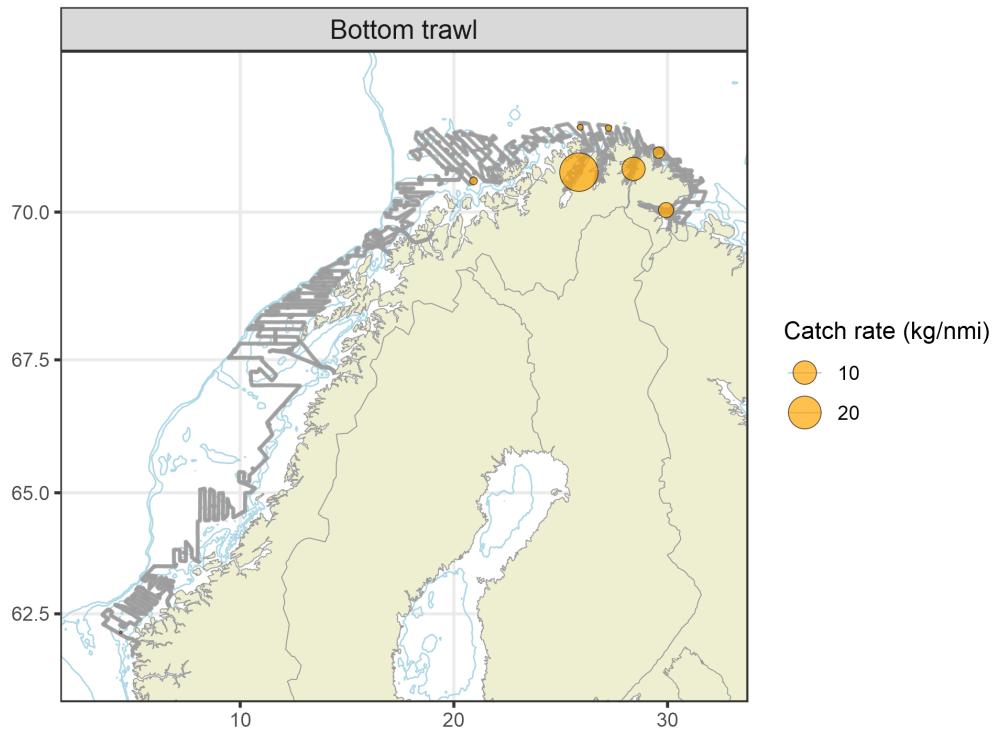
Catch rate (biomass) | 2020 | *Sebastes norvegicus*



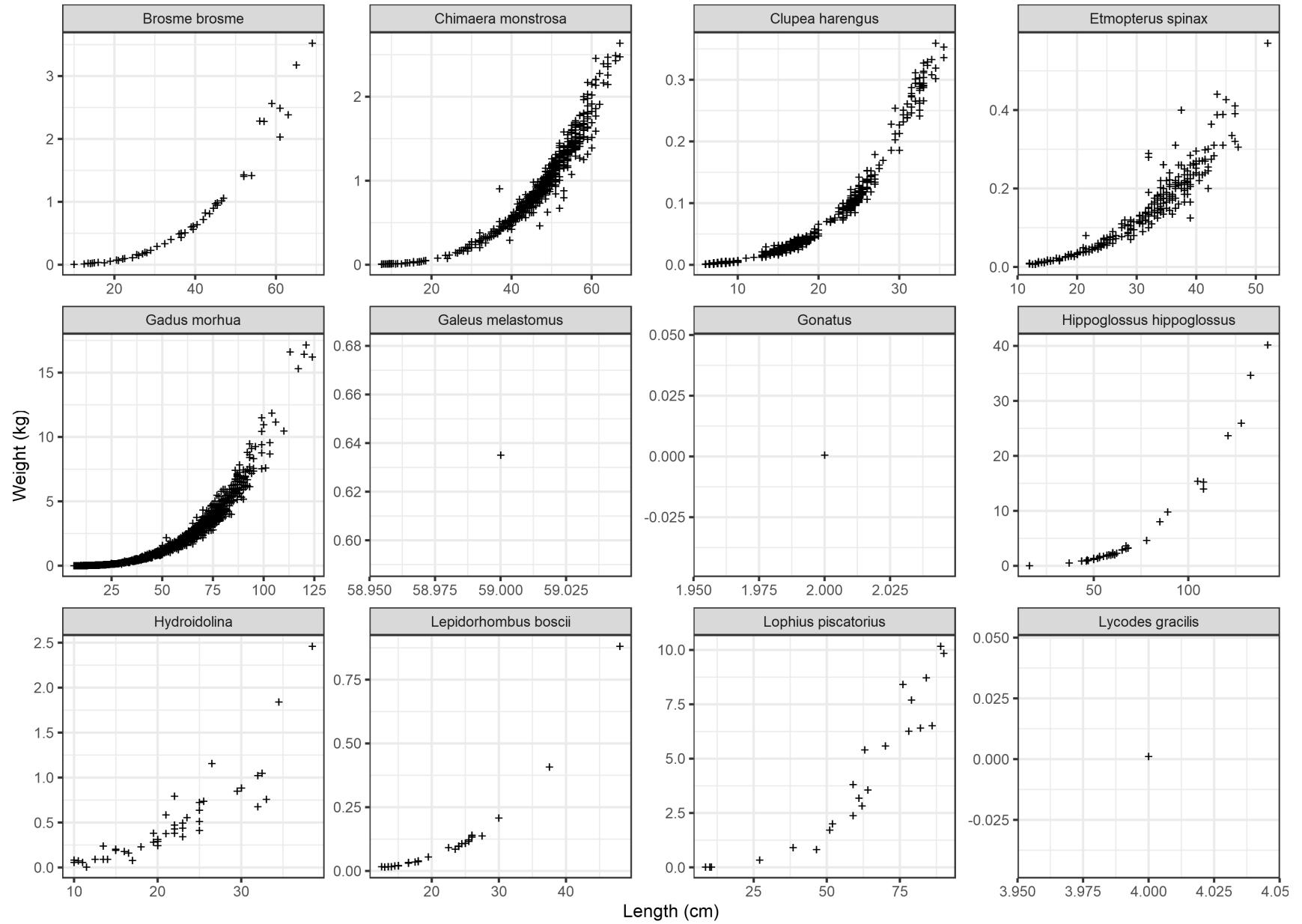
Catch rate (biomass) | 2020 | *Sebastes viviparus*

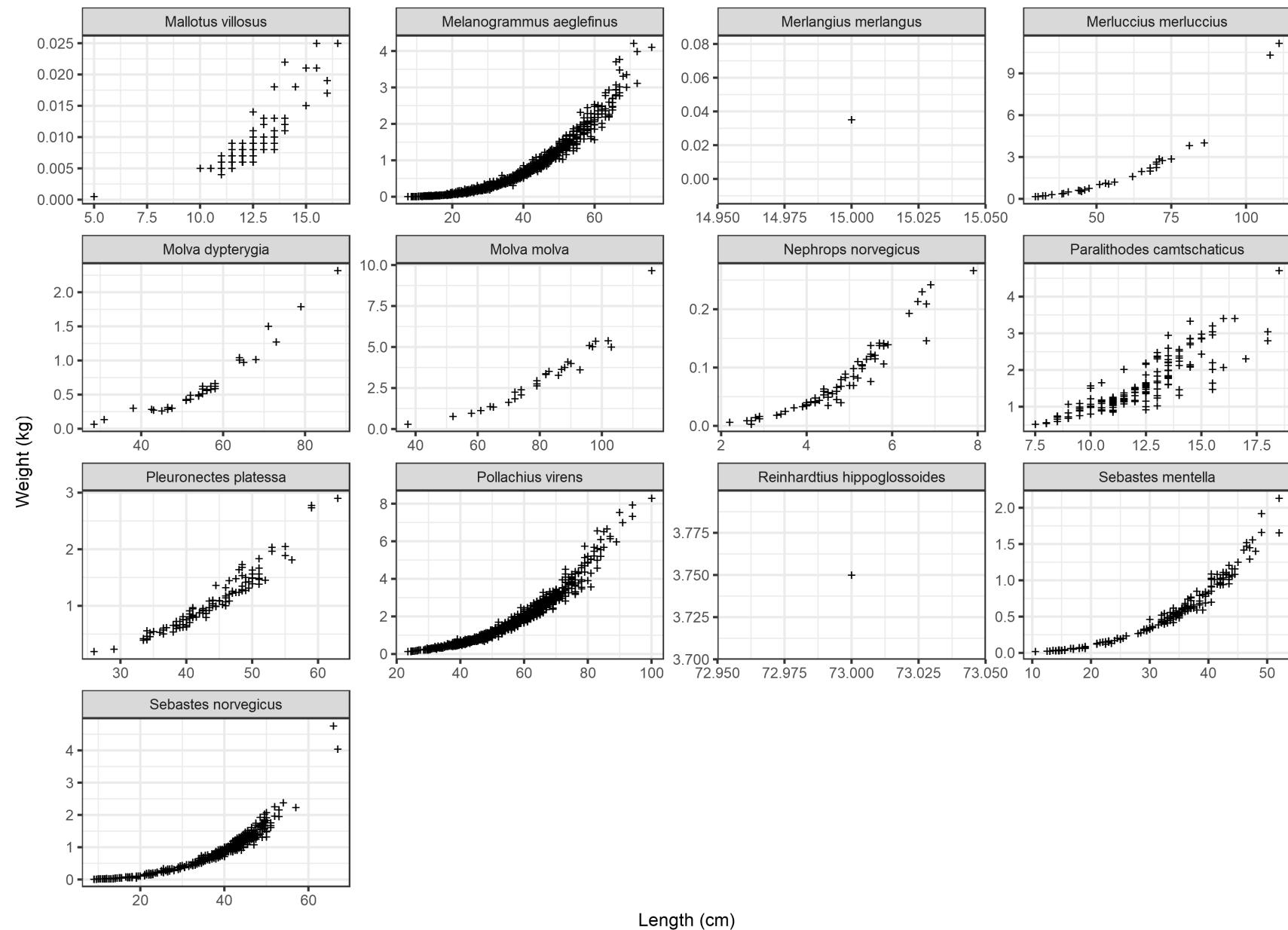


Catch rate (biomass) | 2020 | *Pandalus borealis*



3.4 Length-weight relationships





3.5 Length-age relationships

