Coastal survey 2019 R/V Johan Hjort

Report generated by: Johanna Fall

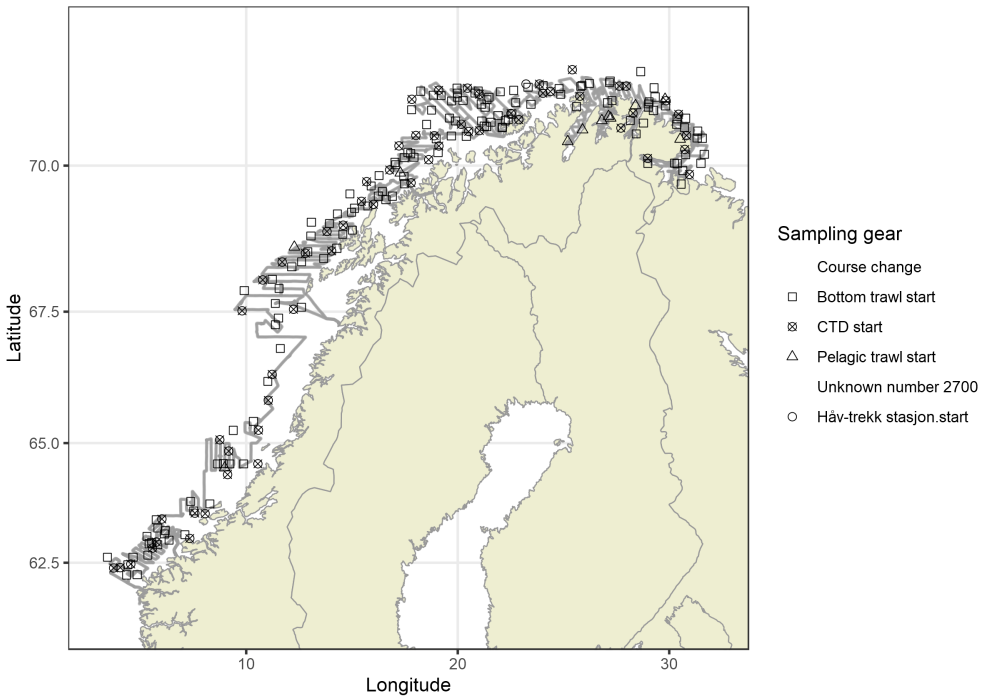
27/09/2021

Contents

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

##

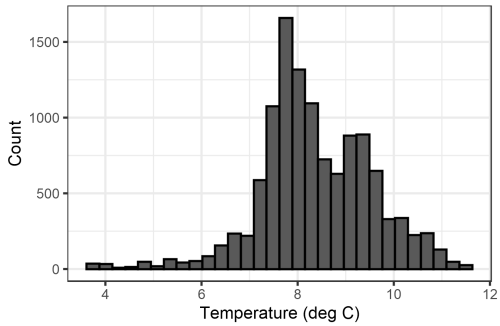
Number of CTD casts done during the cruise:

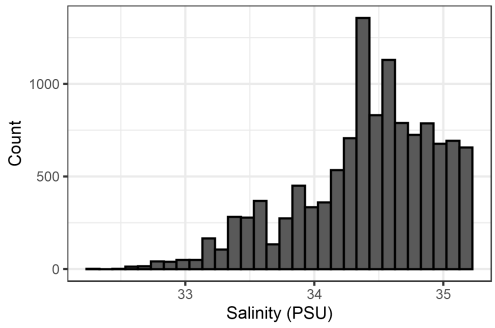
59

##

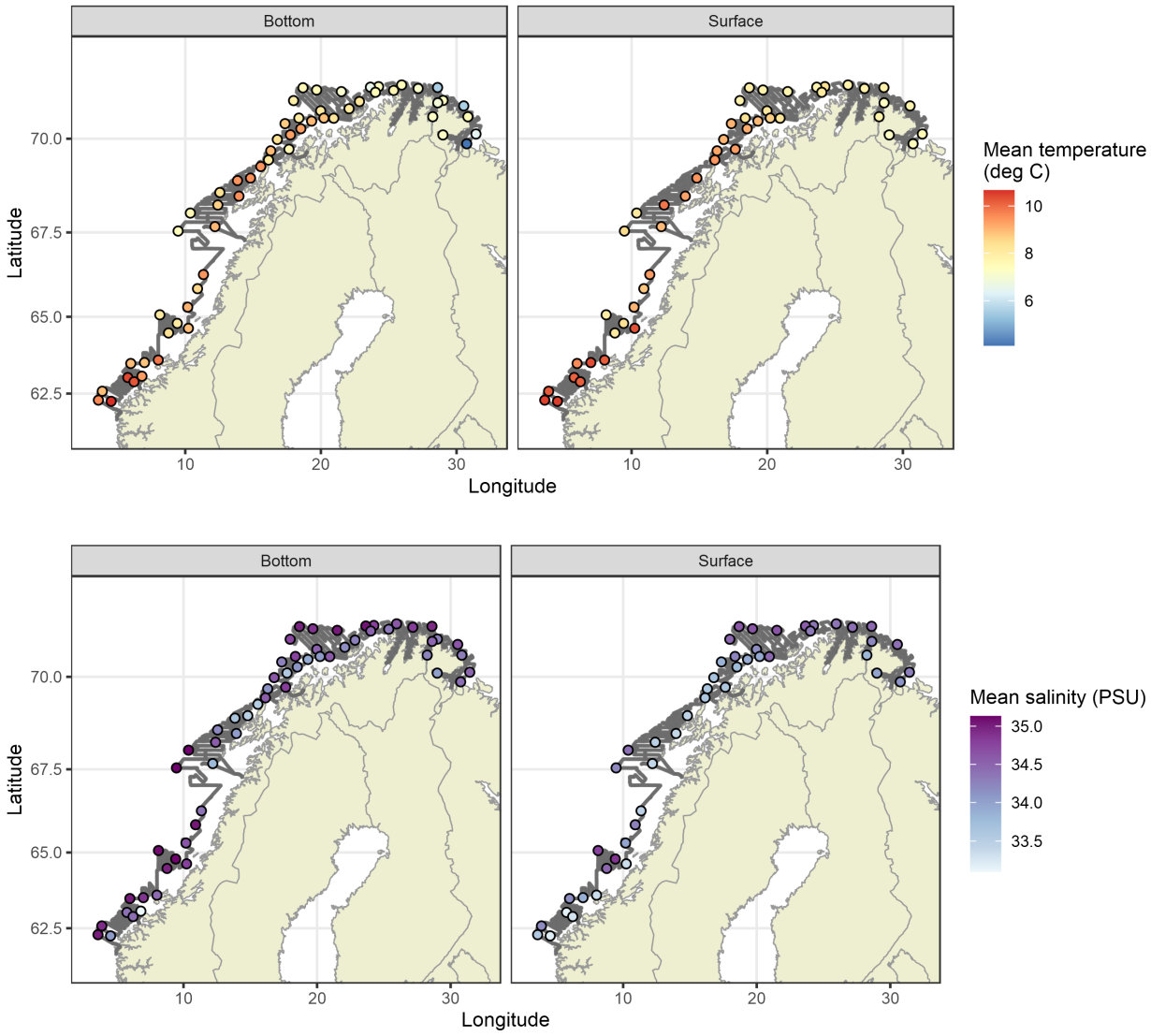
Total depth covered by CTDs (km):

6.2

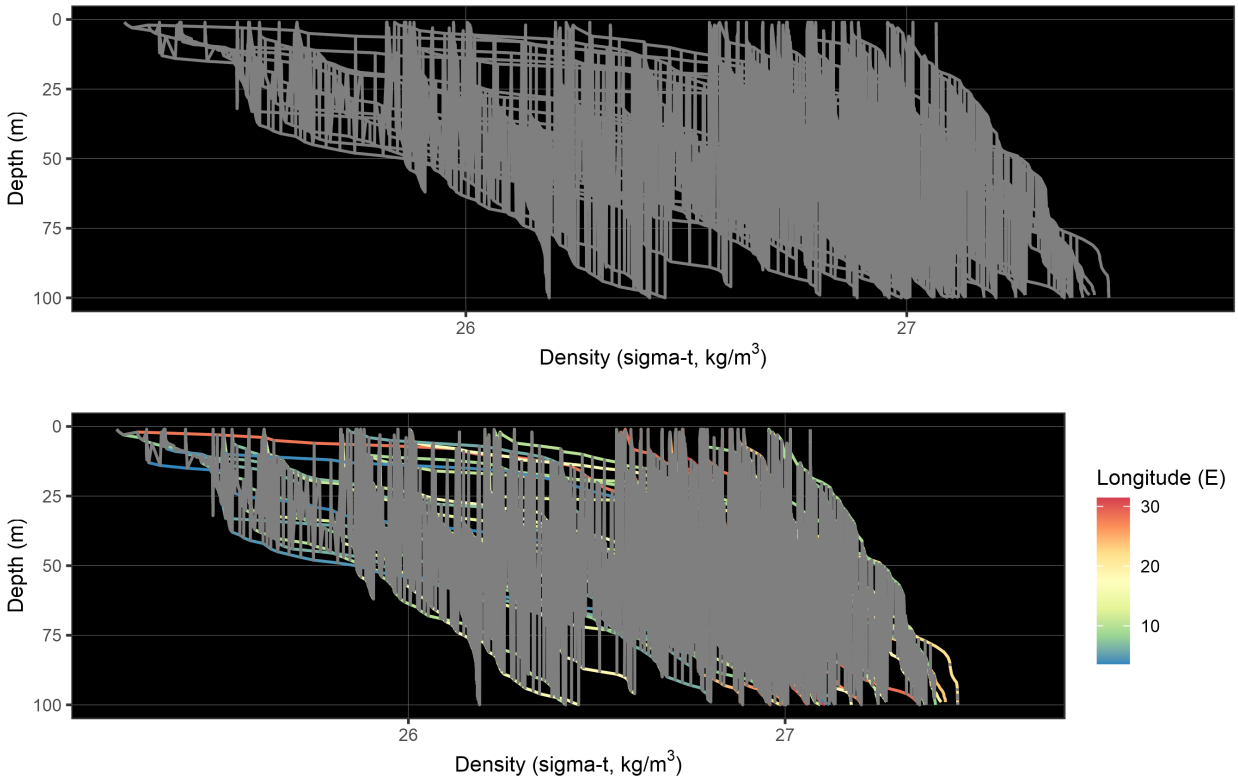




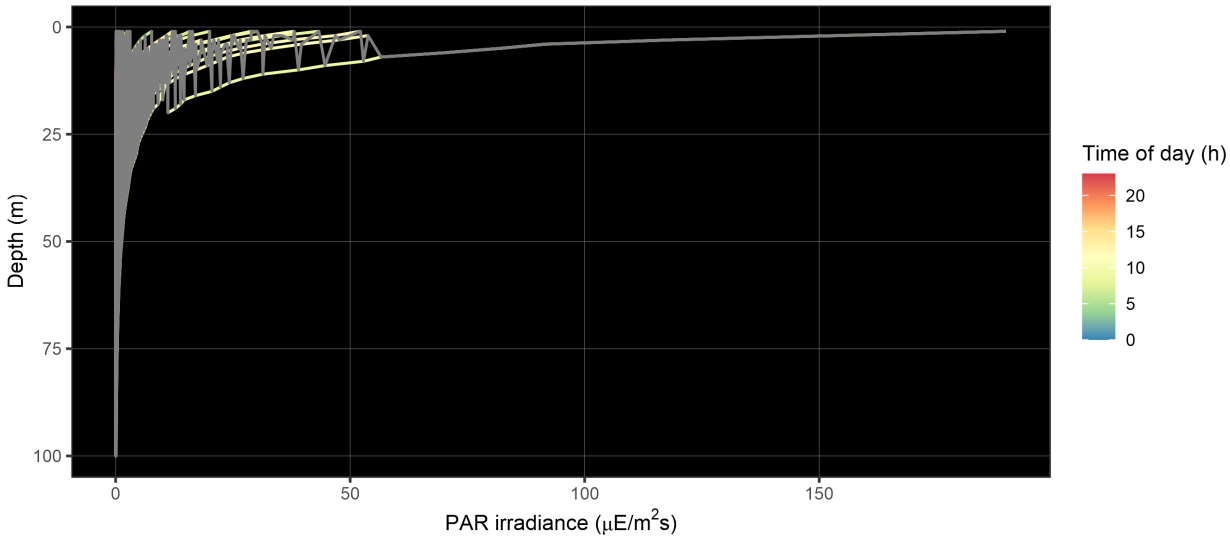
Variation in temperature and salinity with bathymetry and geographical location



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

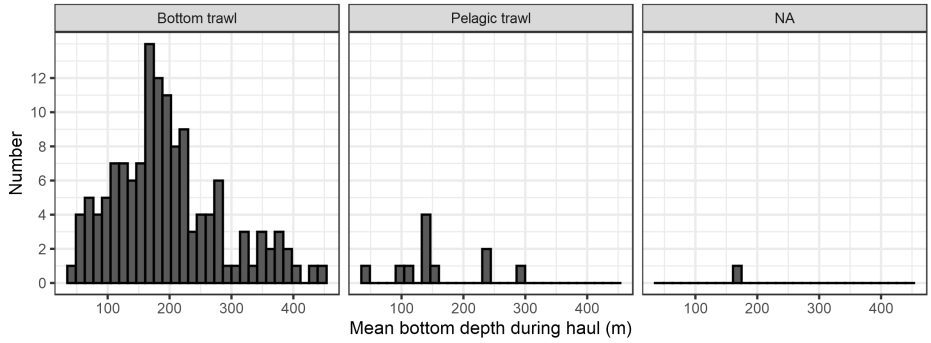
Number of samples by gear type:

Gear	N
Bottom trawl	136
Pelagic trawl	11

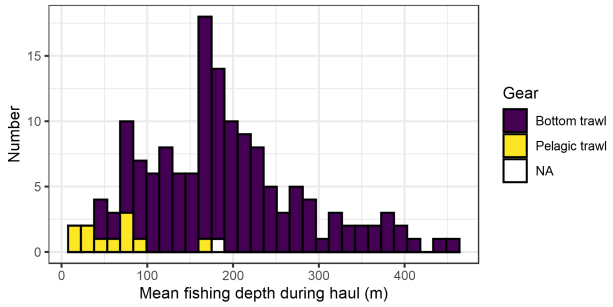
Range of bottom depths at sampling stations (m, will be NA if any station is missing bottom depth): 46.4, 451

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

3.1.1 Mean bottom depth during hauls



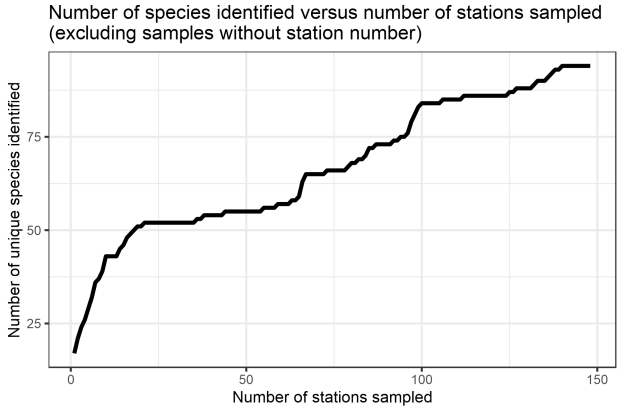
3.1.2 Mean fishing depth during hauls



3.2 Catch composition

3.2.1 Species diversity

Number of species registered during the survey: 94



3.2.2 Maximum catch rates by gear and species

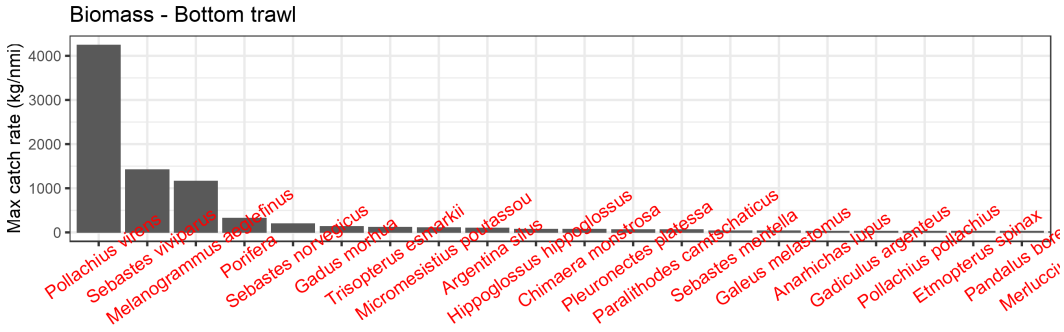
Species with highest catch rate by biomass:

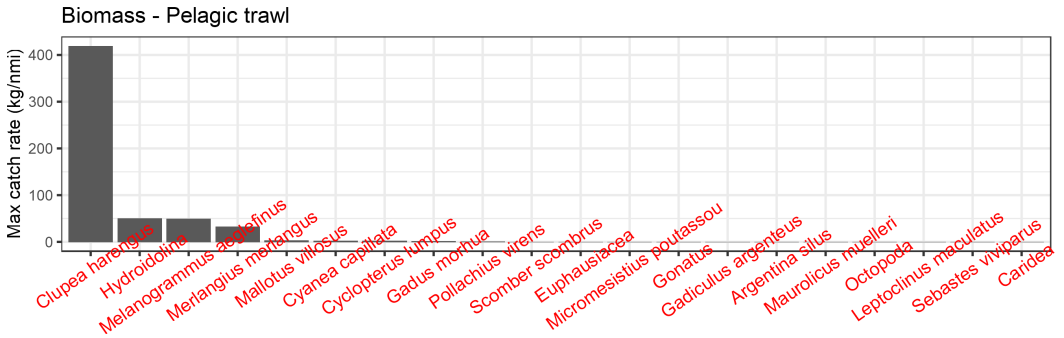
Gear	Scientific name
Bottom trawl	*Pollachius virens*
Pelagic trawl	*Clupea harengus*
NA	*Trisopterus esmarkii*

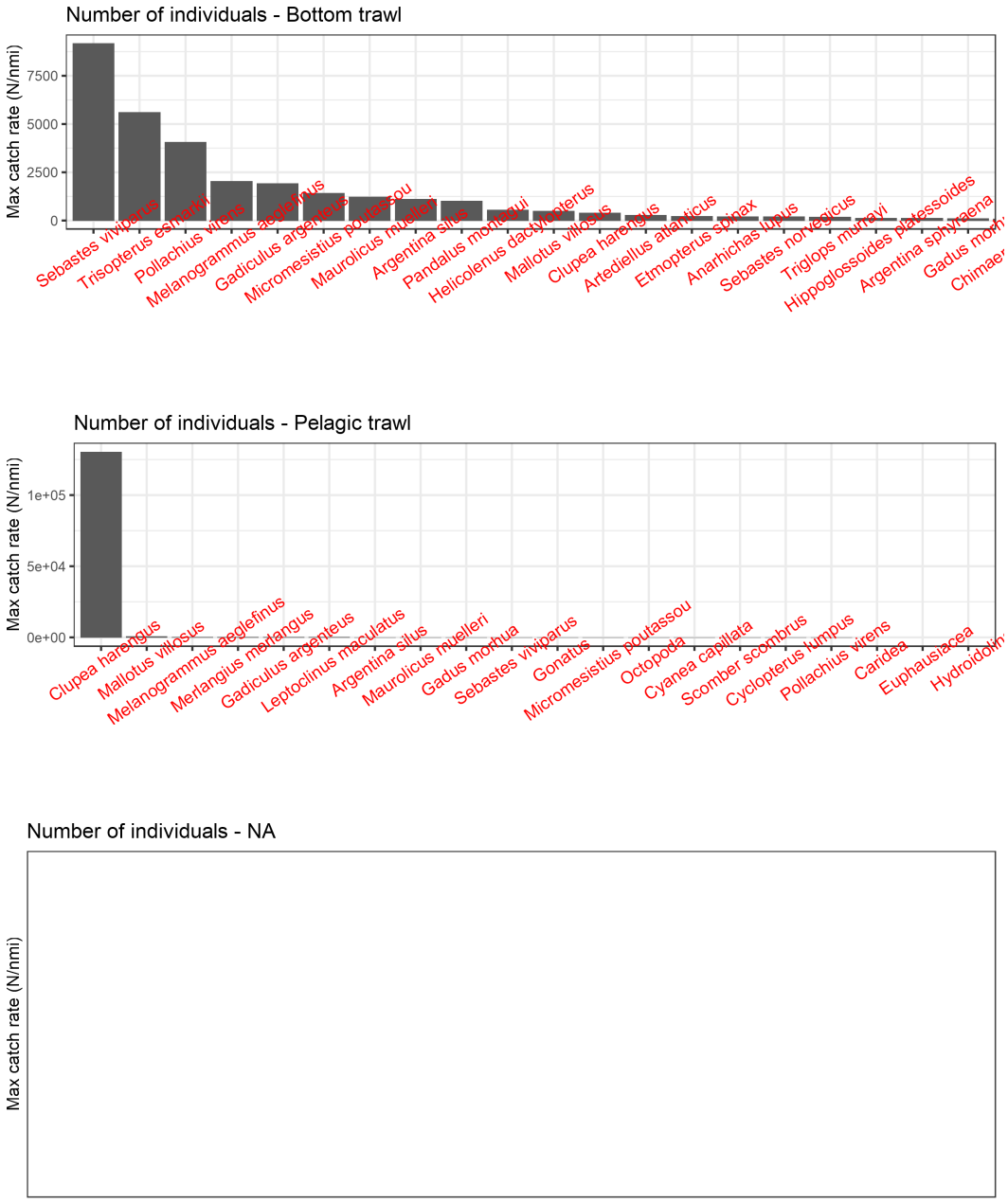
Species with highest catch rate by number:

Gear	Scientific name
Bottom trawl	*Sebastes viviparus*
Pelagic trawl	*Clupea harengus*
NA	*Trisopterus esmarkii*

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



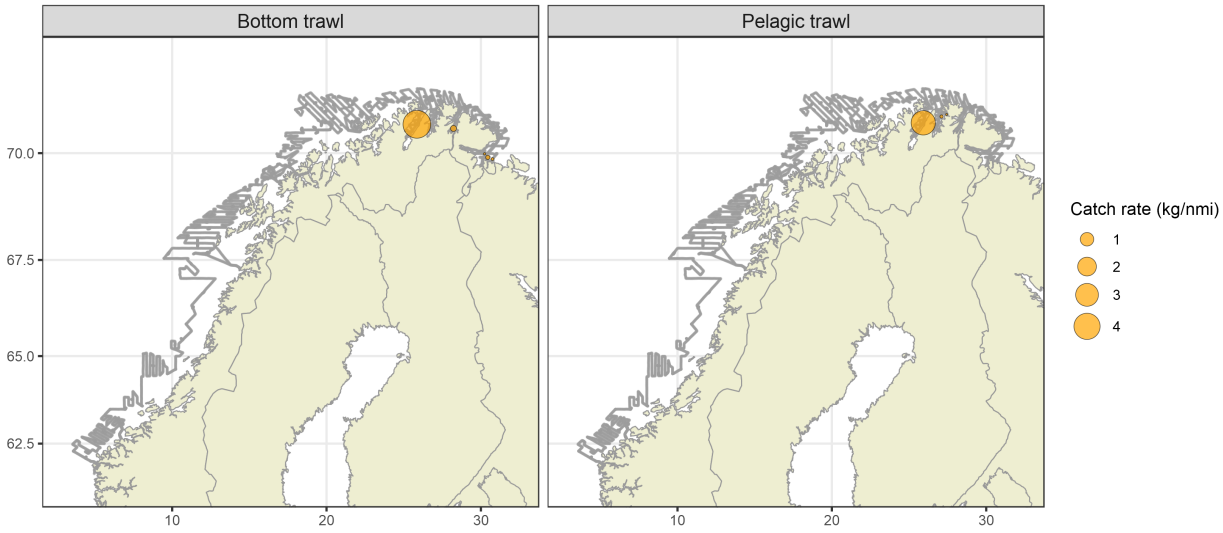




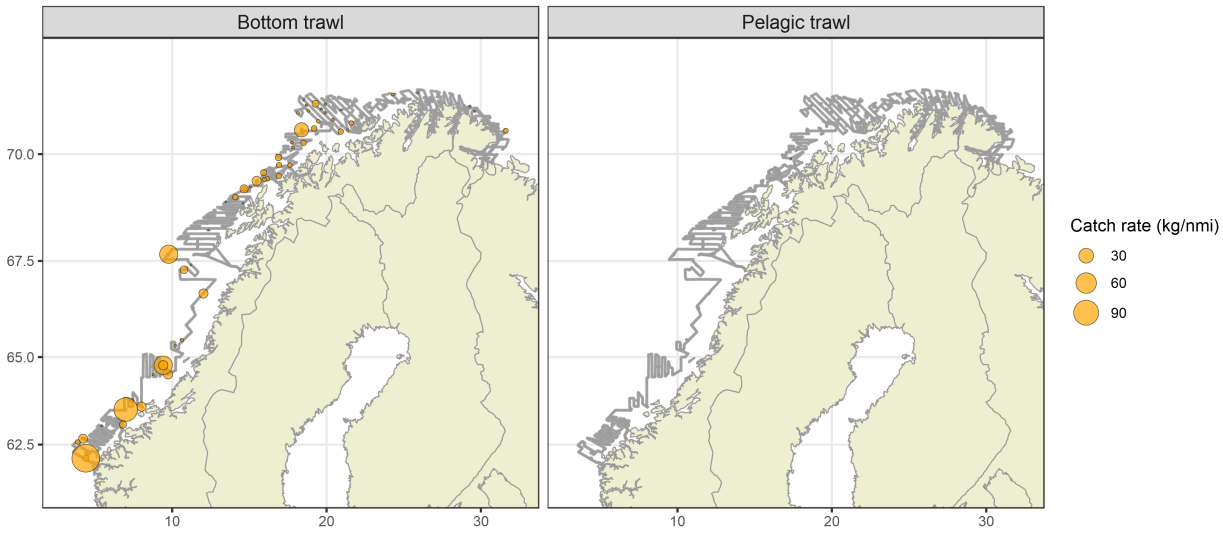
3.3 Spatial variation in catches of common species

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.

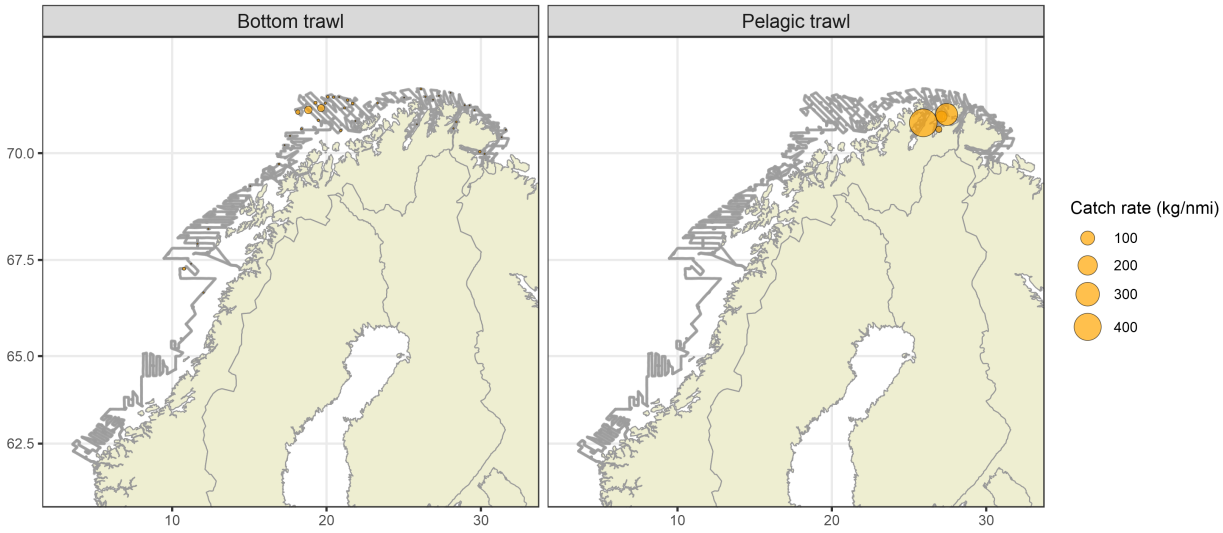
Catch rate (biomass) | 2021 | Mallotus villosus



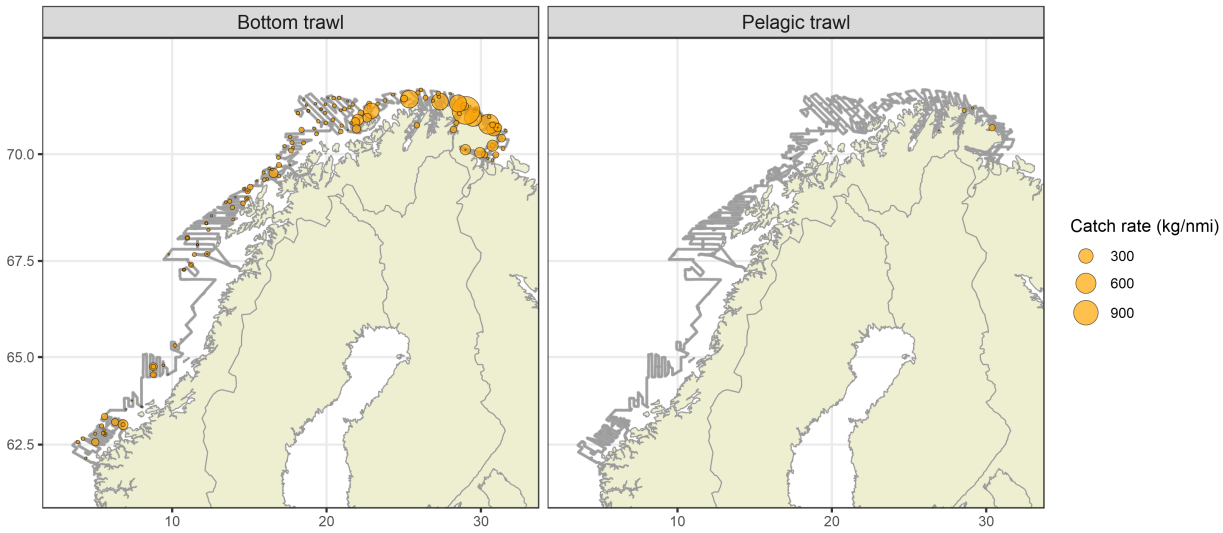
Catch rate (biomass) | 2021 | Micromesistius poutassou

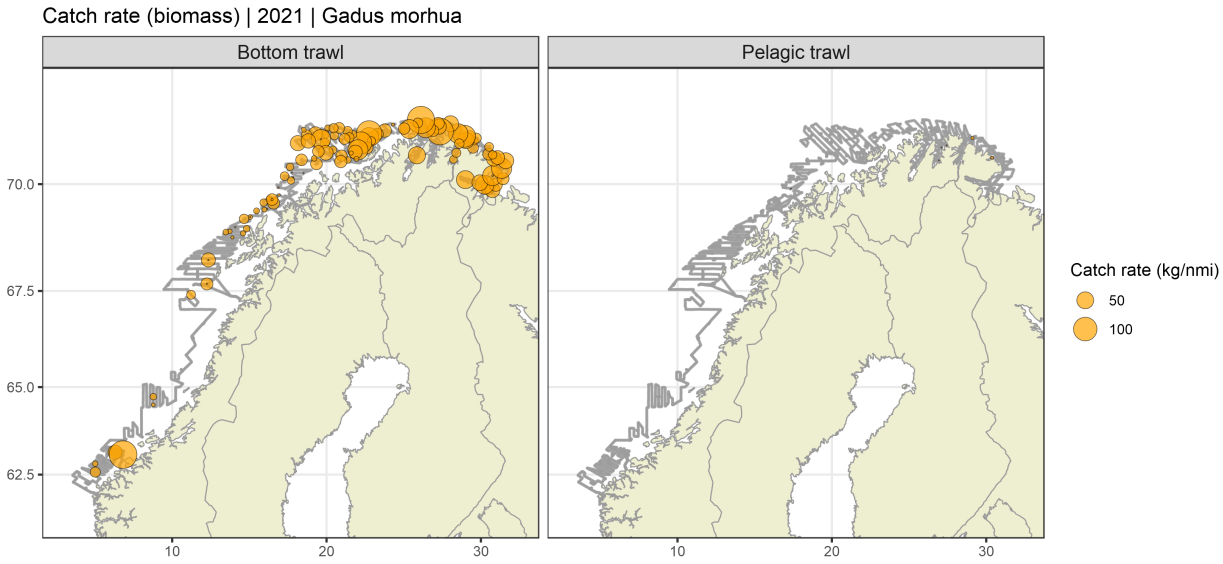


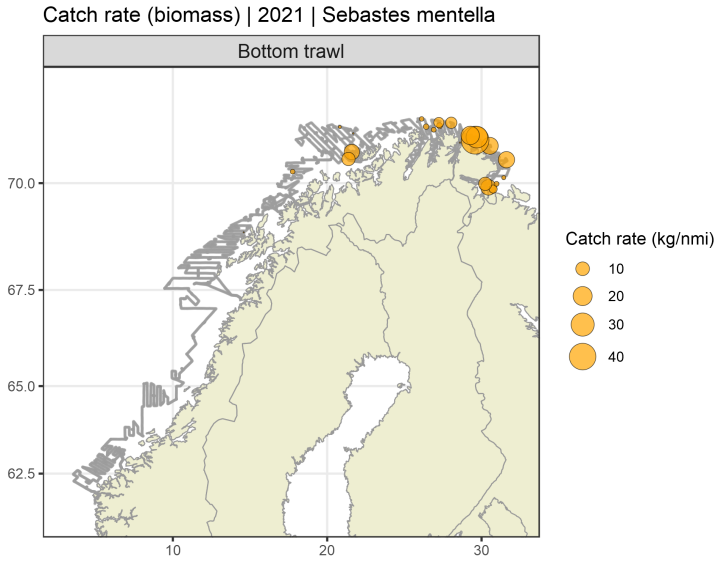
Catch rate (biomass) | 2021 | Clupea harengus

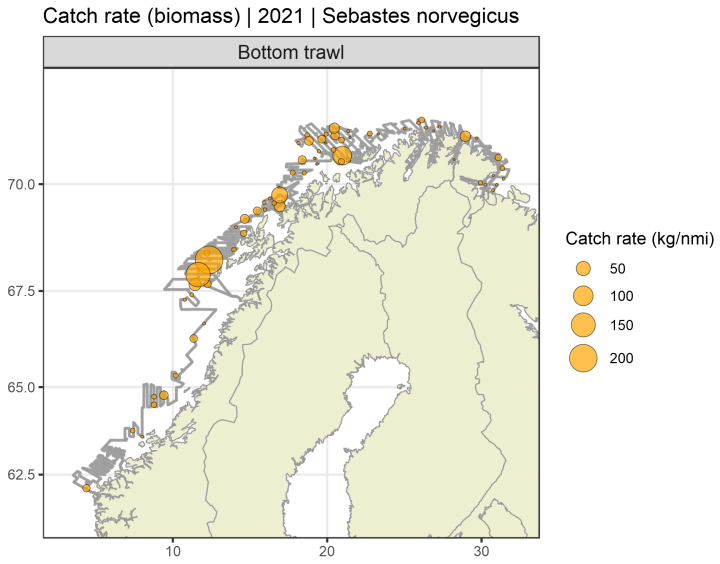


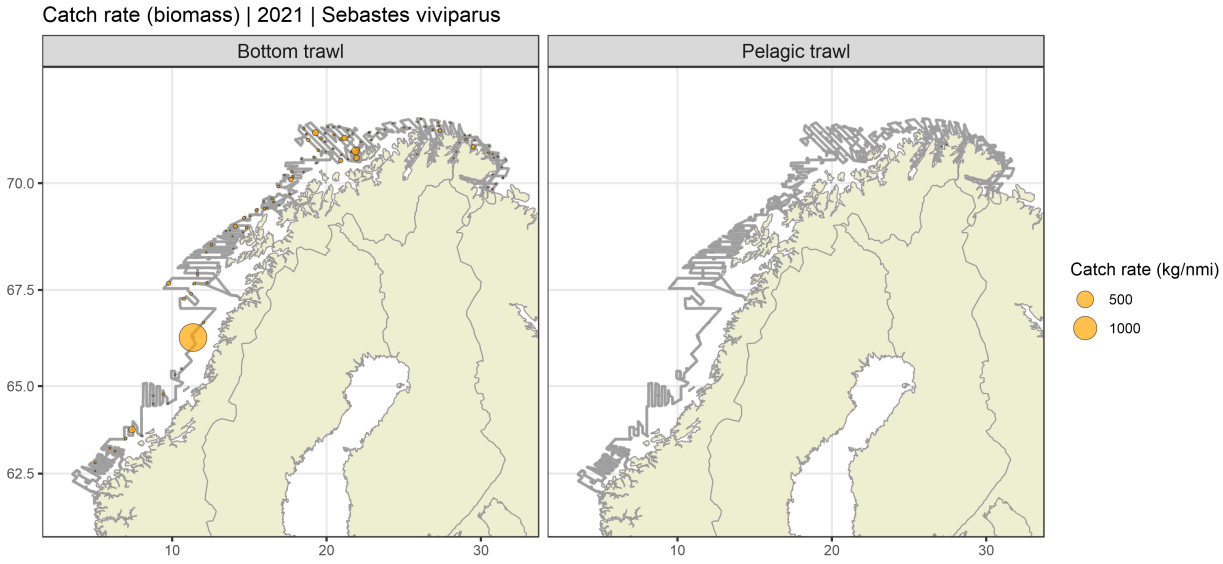
Catch rate (biomass) | 2021 | Melanogrammus aeglefinus

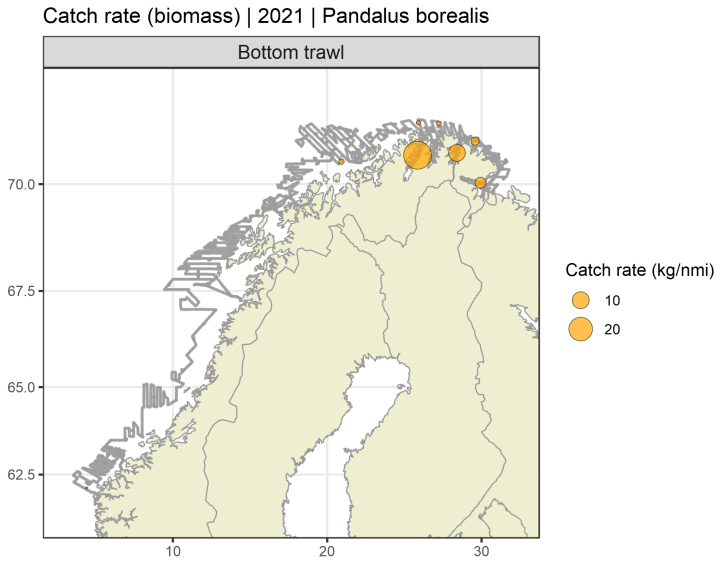



Catch rate (biomass) | 2021 | Gadus morhua
Bottom trawl
Pelagic trawl
70.0
67.5
65.0
62.5
10
20
30
Catch rate (kg/nmi)
50
100

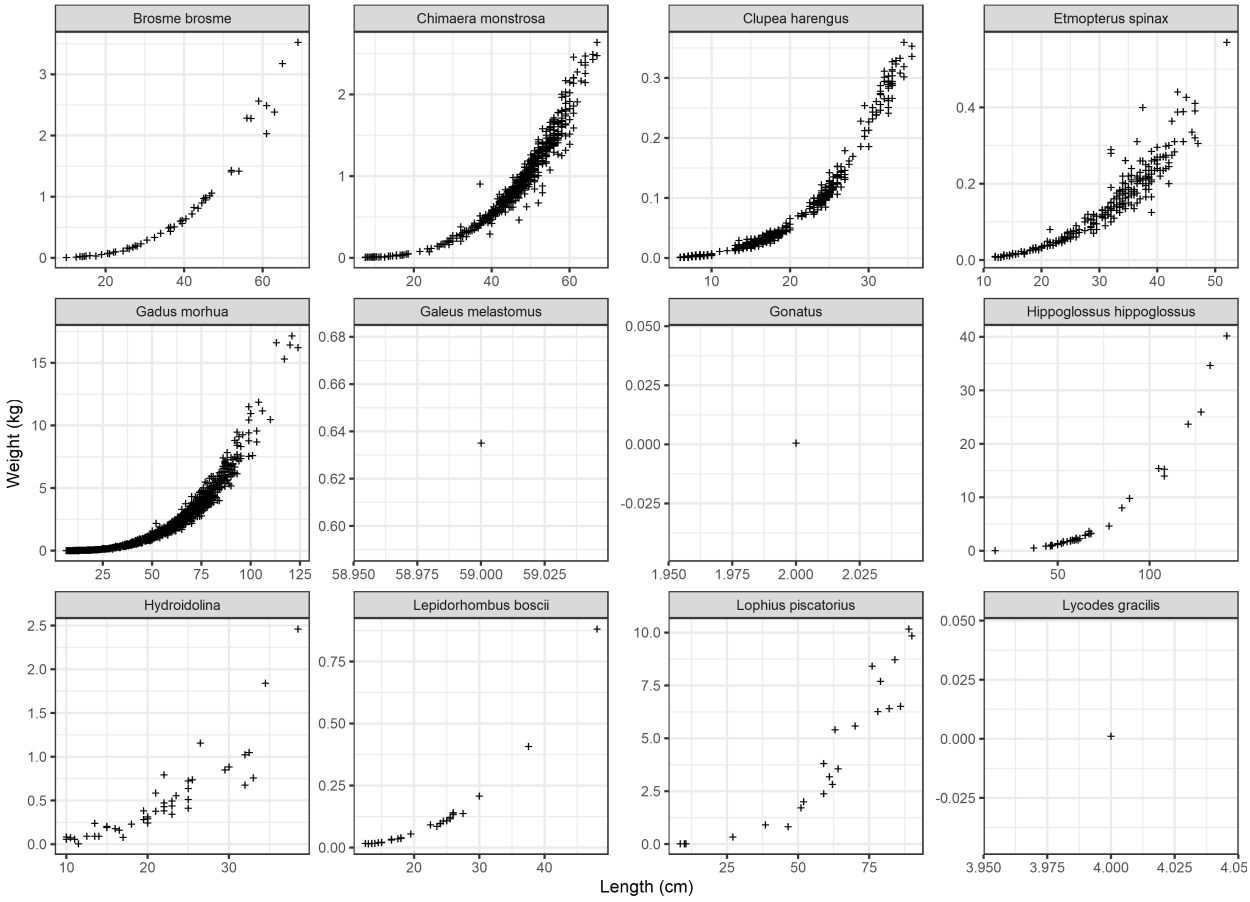

Catch rate (biomass) | 2021 | Sebastes mentella
Bottom trawl
70.0
67.5
65.0
62.5
10
20
30
Catch rate (kg/nmi)
10
20
30
40

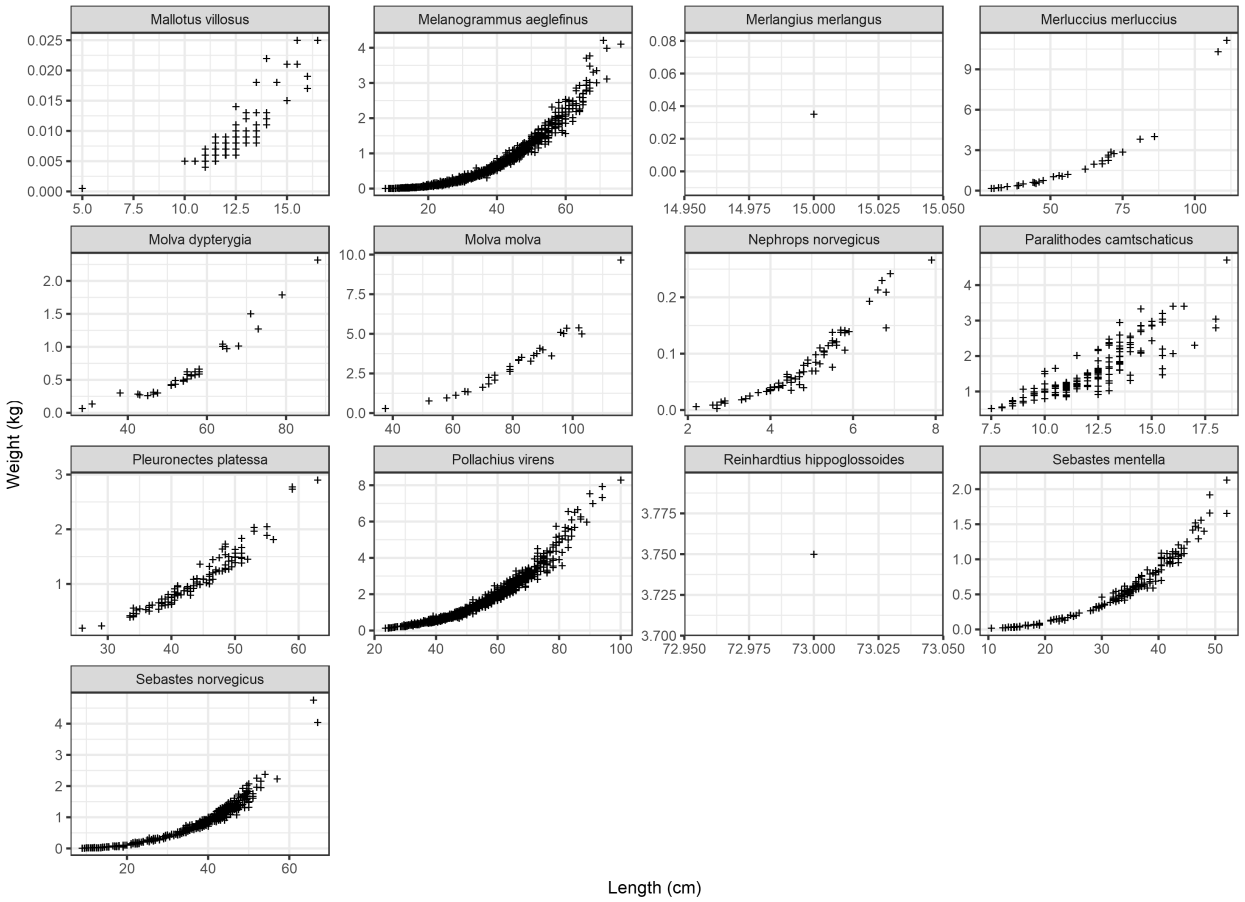

Catch rate (biomass) | 2021 | Sebastes norvegicus
Bottom trawl
70.0
67.5
65.0
62.5
10
20
30
Catch rate (kg/nmi)
50
100
150
200


Catch rate (biomass) | 2021 | Sebastes viviparus
Bottom trawl
Pelagic trawl
70.0
67.5
65.0
62.5
10
20
30
Catch rate (kg/nmi)
500
1000



3.4 Length-weight relationships





3.5 Length-age relationships