



DTU Aqua - Cruise report

Tobisskrabetogt AH - 4Q - 2022

Trawl Survey

ARCTIC Denmark

From 2022-11-17 to 2022-12-03

DTU Aqua
National Institute of Aquatic Resources

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Cruise Summary

General Information

| | |
|------------------|--------------------|
| Cruise | Tobisskrabetogt AH |
| Research Vessel | ARCTIC |
| Year and Quarter | 4Q 2022 |
| Country | Denmark |

Location and Time

| | Date | Time |
|-----------|------------|-------|
| Departure | 2022-11-17 | 00-00 |
| Arrival | 2022-12-03 | 00-00 |

Participants

| Name | Institute | Function tasks | Leg |
|--------------|-----------|----------------|-----|
| Leg 1 | | | |
| Dirk Tijssen | DTU-Aqua | Cruise-leader | 1 |

Objectives

- To describe the existence of fish in the waters surrounding Denmark based on their occurrence in scientific trawl./ At beskrive udbredelsen af fisk i farvandende omrking Danmark ved brug af videnskabeligt trawl.
- To collect biological data regarding age, weight and maturity from subsamples of the catch from selected species./ At indsamle biologisk materiale vedr. alder, vægt og modenhed fra stikprøver fra fangsten af udvalgte arter.
- Recording of hydrographic data with CTD./Opsamling af hydrografidata med CTD.

This Survey

During the cruise, apart from recording a complete set of factual information concerning haul information, gear performance, catch results, hydrographic information etc., the cruise leader keeps a logbook taking notes about circumstances (unusual gear performance, special catches, non-conformities etc. during the survey. The haul summary below is the overview from this logbook.

Stations

158 hauls were conducted during the survey. The positions off all hauls are presented in the map in Fig. 1.

Weather Conditions

No Remarks on the Weather conditions

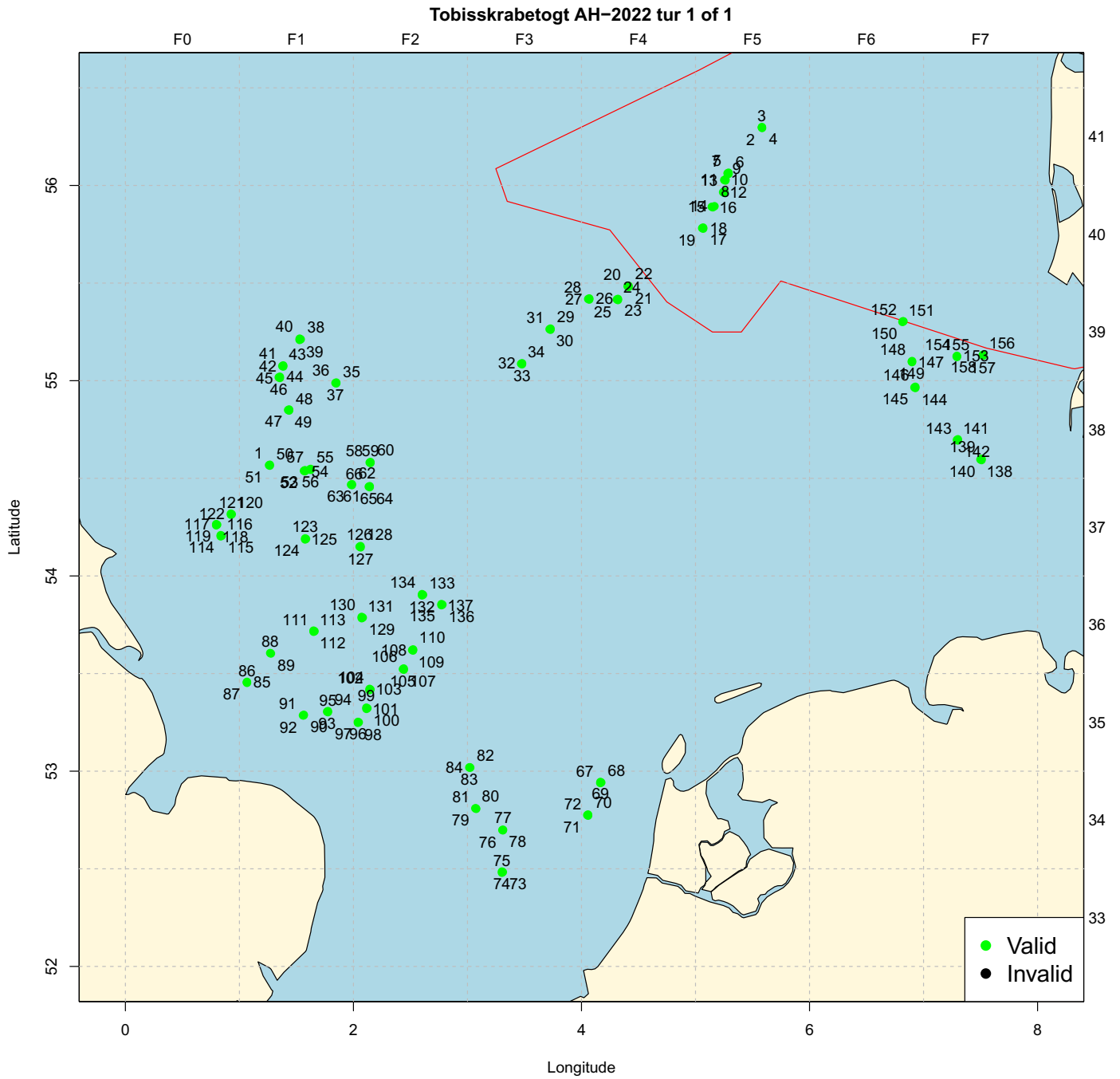
Gear performance

No remarks on the Gear performance

Oxygen Conditions

No remarks on the Oxygen conditions

Station Map



Figur 1. Plot af stationer.

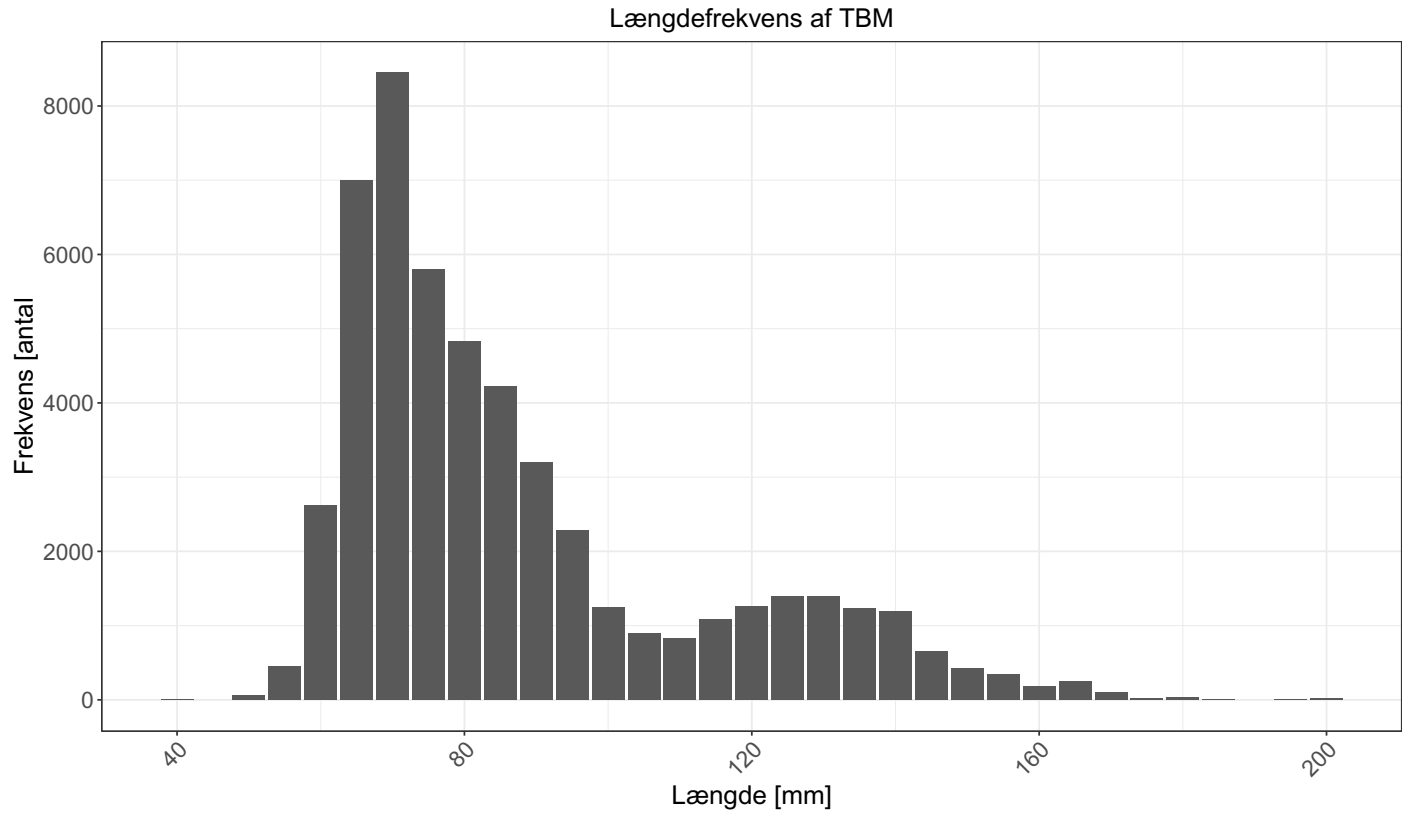
Catch Overview

Table 2: Sample Overview

| | Sub sampled [kg] | Total [kg] | Sub sampled [Nr.] | Total [Nr.] | Individuals collected | Genetics Sampled |
|-------------------------|---------------------------------|-------------------|----------------------------------|--------------------|----------------------------------|-----------------------------|
| Total Catch | 33.2 | 117.3 | 16980 | 51631 | 2749 | 0 |
| selected species | | | | | | |
| BRS | 0 | 0 | 0 | 0 | 0 | 0 |
| RSP | 0 | 0 | 0 | 0 | 0 | 0 |
| SIL | 0 | 0 | 0 | 0 | 0 | 0 |
| TNG | 0 | 0 | 0 | 0 | 0 | 0 |
| TOR | 0 | 0 | 0 | 0 | 0 | 0 |
| TBM | 32.8 | 116.9 | 16837 | 51488 | 2749 | 0 |

Length distribution

TBM



Species Caught

The total catch per species for the while cruise is presented in the table below.

Table 1: Arter fanget på tur 1

| Latinsk navn | Dansk navn | Antal | Vægt (kg) |
|-----------------------------|--------------------|-------|-----------|
| Gymnammodytes semisquamatus | Nøgentobis | 97 | 0.1 |
| Hyperoplus lanceolatus | Plettet tobiskonge | 46 | 0.2 |
| Ammodytes marinus | Havtobis | 51488 | 116.9 |