

„SOLEA“
Cruise 692
REPORT
11.08. – 24.08.2014

Personnel

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Objectives

1. Participation in the ICES co-ordinated “International **B**eam **T**rawl **S**urvey” in the North Sea
2. Determination of temperature and salinity in the area of investigation

Narrative (Fig. 1)

One day delayed due to heavy wind FRV “Solea” left the port of Cuxhaven on the afternoon of 12th August. During the next four days only 10 hauls could be carried with interruptions due to strong wind. On the evening of 16th August an unplanned break of four days was required in the Danish harbor of Esbjerg due to again increasing wind. Due to this time constrains, it was decided to give priority to the coastal rectangles with a reduced intensity of two hauls per square instead of planned four. Between 21st – 23rd August 17 hauls were carried out. Again, due to emerging storm program has to be stopped on the 23rd August. The cruise ended the next morning in Cuxhaven, the return trip to Hamburg took place the same day.

Results (Fig. 2 – 4)

A total of 30 valid hauls with a standard duration of 30 minutes were conducted with the 7m beam trawl. At all 30 stations salinity and temperature were measured.

The distribution of species composition shows the usual geographic pattern with dab as the most frequent fish species, followed by plaice, grey gurnard and lemon sole.

Towards the North of the investigation area the importance of dab in the biomass decreases. Here, plaice is only occurring sporadically with some larger (up to 50 cm) individuals.



Dipl.-Biol. K. Panten

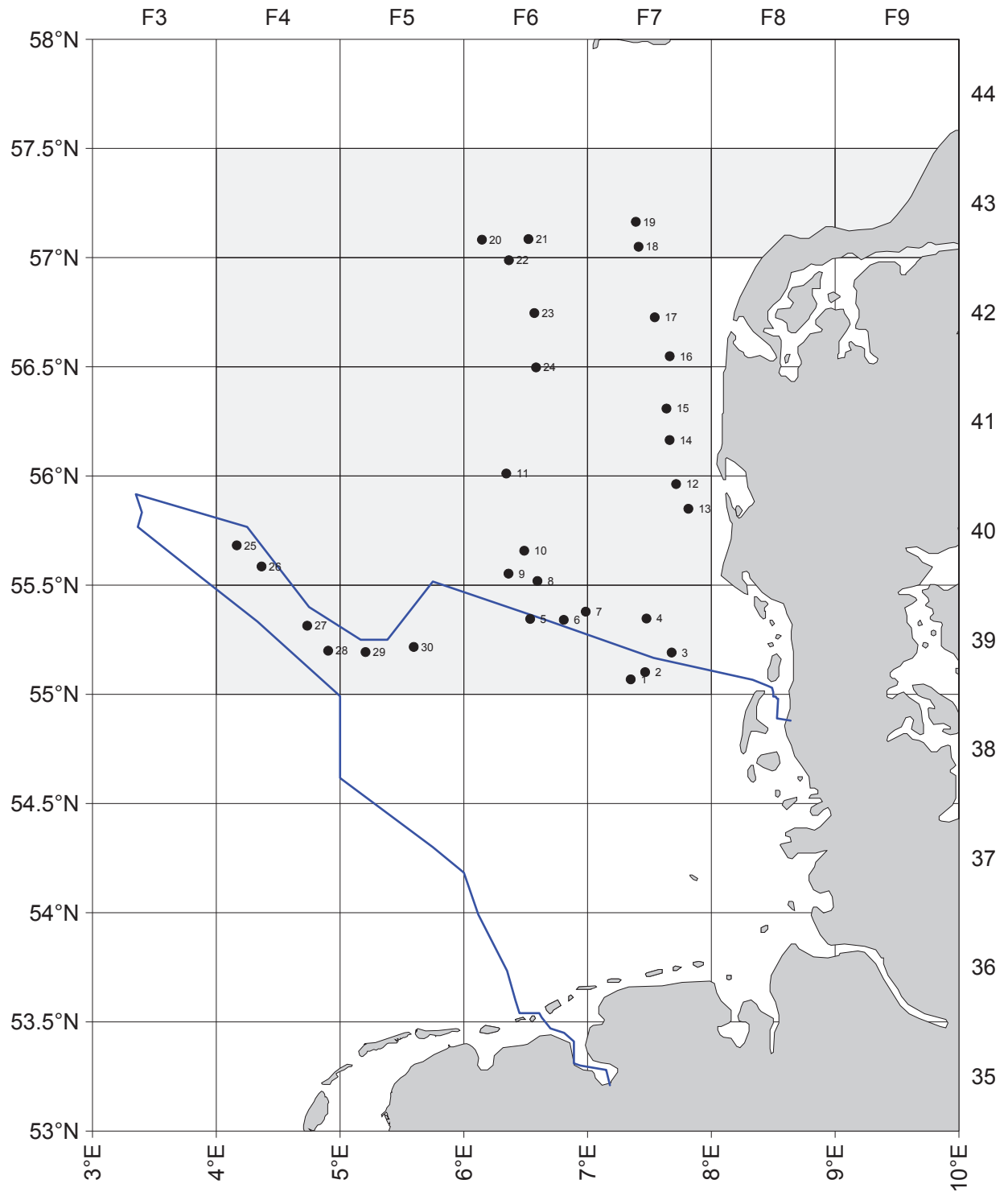


Fig. 1: "Solea", Cruise no. 692 , Haul positions and area of investigation

Catch composition and length distribution during Beam Trawl Survey

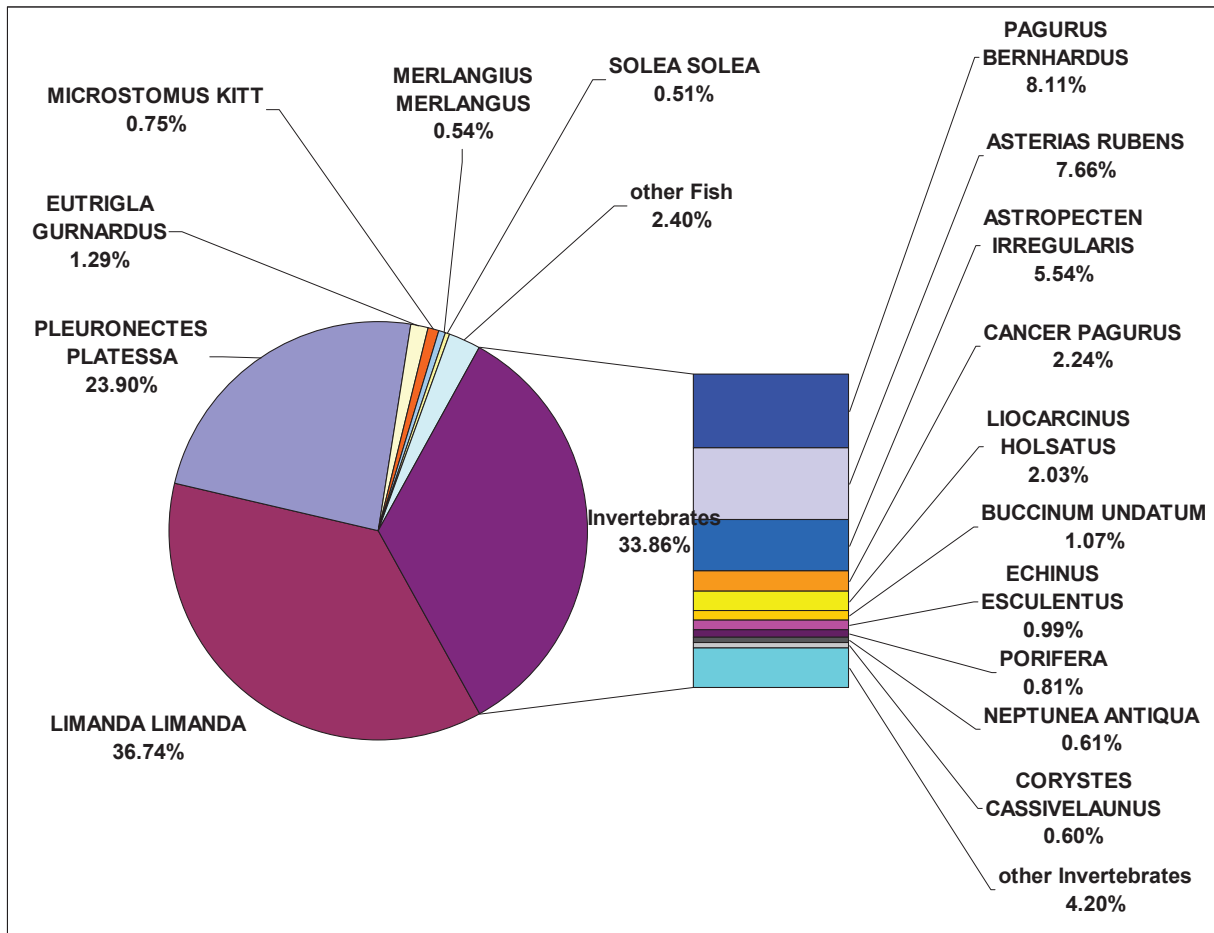


Fig. 2: Catch composition

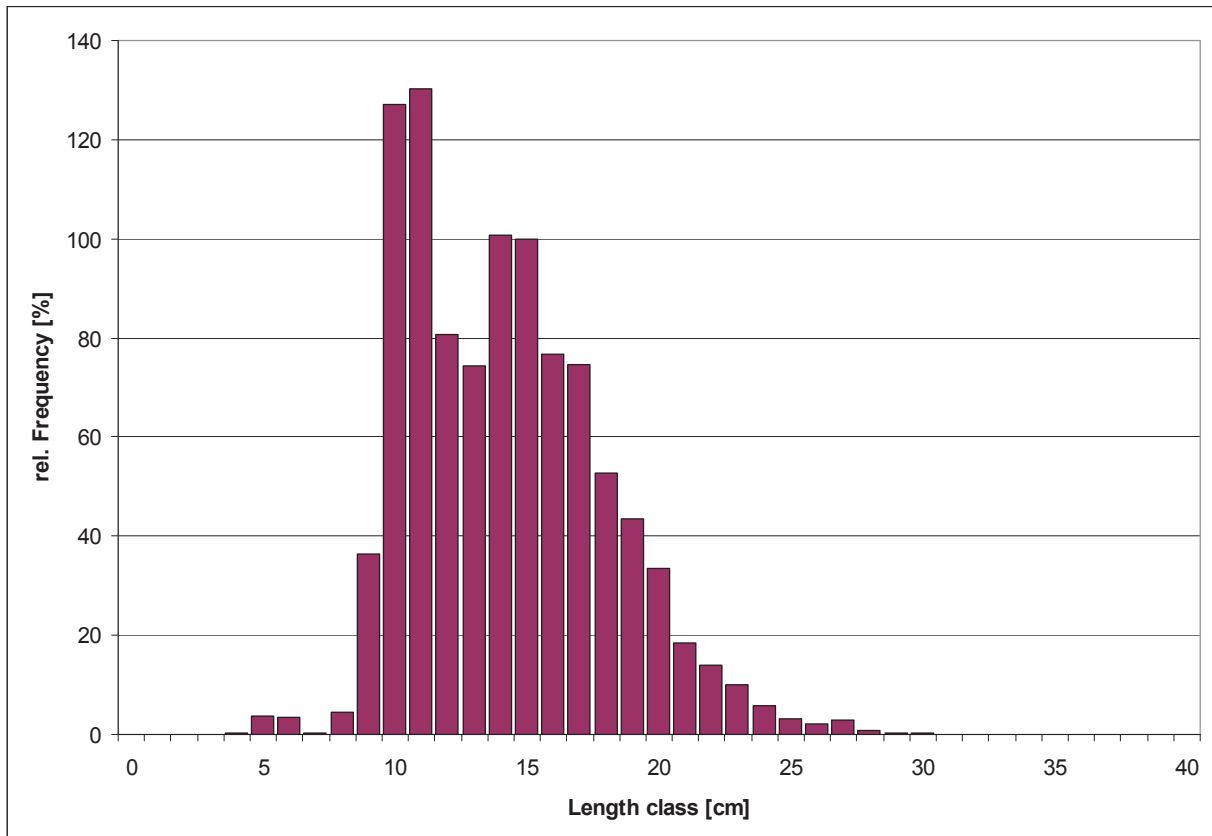


Fig. 4: Length distribution of Dab

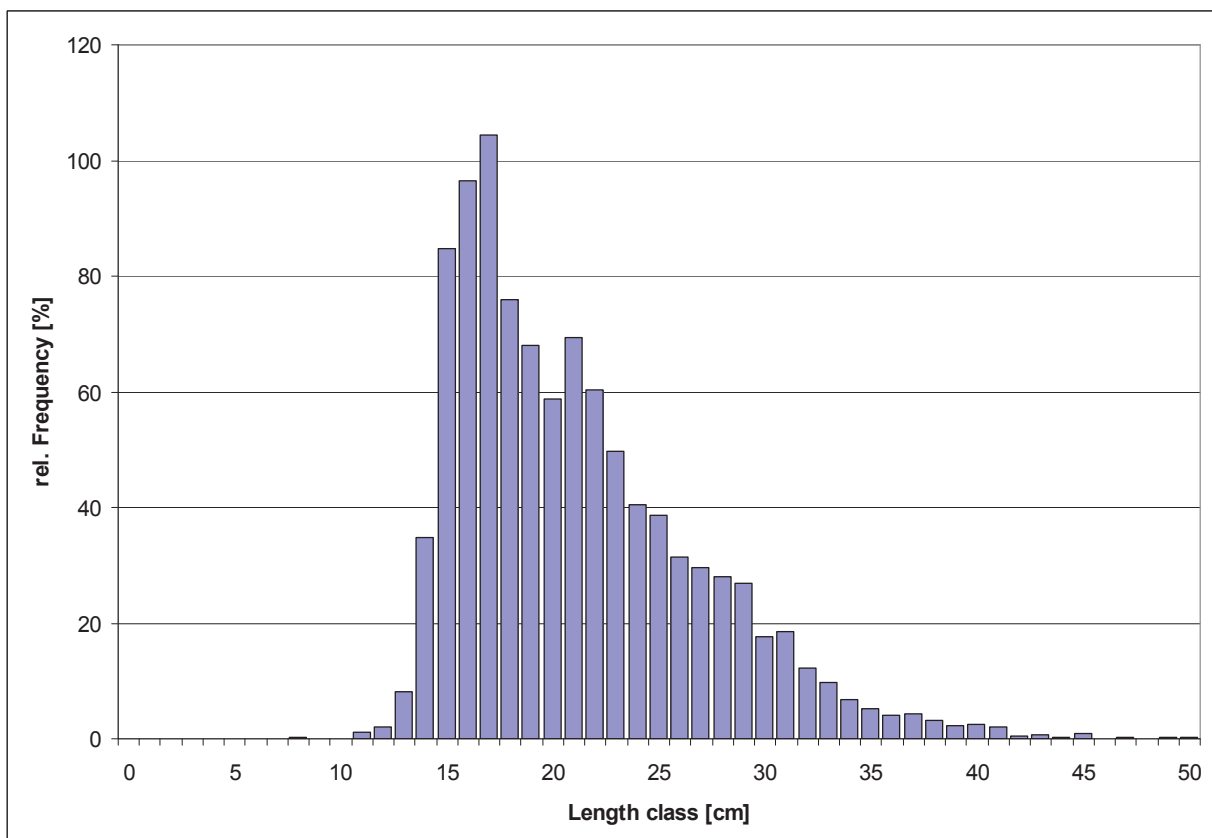


Fig. 6: Length distribution of Plaice