



Cruisereport

Dana Cruise 01 2003 International Bottom Trawl Survey, 1. Quarter

Department	HFI
Projectleader	Jørgen Dalskov
Projectno	2300
Cruisearea	North Sea
Cruiseleader	Helle Andersen / Niels Jørgen Pihl
Ass. Cruiseleader	Niels Jørgen Pihl / Uffe Nielsen
Port of departure	Hirtshals - 28-01-2003
Port of call	Esbjerg - 06-02-2003
Port of arrival	Hirtshals - 14-02-2003

Scientific crew

Part 1: 28/1 - 6/2

Helle Andersen, HFI, Cruise leader
Niels Jørgen Pihl, HFI, Ass. Cruise leader
Poul Boel Jørgensen, HFI
Helle Rasmussen, HFI
Åge Thaarup, HFI
Rene Mathæussen, GN
Line Tannebæk Enevoldsen, HØK
Mogens Rokkjær Sørensen, IT-T

Part 2: 6/2 - 14/2

Niels Jørgen Pihl, HFI, Cruise leader
Uffe Nielsen, HFI, Ass. Cruise leader
Lise Sindahl, HFI,
Tom Christiansen, HFI
Tommy Henriksen, HFI
Martin Scherfig, HFI
Mogens Rokkjær Sørensen, IT-T

Aim of the survey

To collect data in order to estimate year-class strengths of the cod, haddock, whiting, Norway pout, herring, sprat and mackerel stocks in the North Sea, the Skagerrak and the Kattegat. The survey is coordinated by ICES and is conducted in cooperation with research vessels from England, France, the Netherlands, Norway, Scotland, Sweden and Germany. As standard survey gears a GOV bottomtrawl and a MIK midwater larvae trawl are used by all vessels.

Survey performance

The survey was carried out in accordance with the survey plan and in accordance to the IBTS Manual Version IV. The survey area assigned to Denmark was monitored using the GOV for bottom trawl activities, CTD profiles were collected and the MIK was used to sample fish-larvae during the night hours.

Weather conditions during the first part of the survey were influenced by almost constantly wind at gale forces. At the second part of the survey was carried out in very fine weather conditions. Therefore, the survey was finalised one day earlier than the scheduled plan.

The coordinating R/V Tridens was contacted in order to offer assistance to other

R/V if they have had problems in finalising they assigned survey areas. No help was needed.

The cruise was carried out without any breakdown or unfortunate occurrences.

The monitoring program was extended by collecting samples for CEFAS (Centre for Environment, Fisheries and Aquaculture Science). The samples collected in connection with an EU funded project with the aim of determine fertilization and maturity of cod and hake. Furthermore, collection of samples for a DIFRES project on determination of dioxin contents in fish were carried out.

Achieved goals

In total 40 trawl hauls with the GOV-trawl were carried out, 40 CTD –profiles were taken, 80 MIK-trawl hauls and 2 MIK-trawl hauls for calibration of flow-meters were taken.

The total fish catch was 12,346 kg. with a mean catch of 308 kg. per haul. Lowest catch 15 kg. and largest catch of 3,672 kg.

The total cruise track was 2,470 nautical miles

Dissemination of data

All data has been transmitted to ICES and has been made available to various ICES assessment working groups as well as for other scientific work.

Cruise track 1/2003

