



# Cruisereport

## Dana Cruise 02 2004 International Bottom Trawl Survey, 1. Quarter

<b>Department</b>	HFI
<b>Projectleader</b>	Jørgen Dalskov
<b>Projectno</b>	2300
<b>Cruisearea</b>	North Sea
<b>Cruiseleader</b>	Helle Andersen / Palle Brogaard
<b>Ass. Cruiseleader</b>	Niels Jørgen Pihl
<b>Port of departure</b>	Hirtshals - 03-02-2004
<b>Port of call</b>	Esbjerg - 12-02-2004
<b>Port of arrival</b>	Hirtshals - 20-02-2004

## **Scientific crew**

### **Part 1:** 03/02 - 12/02

Helle Andersen, HFI, Cruise leader

Niels Jørgen Pihl, HFI, Ass. Cruise leader

Tom Christiansen , HFI

Helle Rasmussen, HFI

Åge Thaarup, HFI

Mogens Rokkjær Sørensen, IT-T

### **Part 2:** 12/2 - 20/2

Palle Brogaard, Cruise leader

Niels Jørgen Pihl, HFI, Ass. Cruise leader

Lise Sindahl, HFI,

Tommy Henriksen, HFI

Lotte Rasmussen, GN

Mogens Rokkjær Sørensen, IT-T

## **Aim of the survey**

To collect data in order to estimate year-class strengths of the youngest year-class 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. Standard survey gears as GOV bottomtrawl and 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 VI. 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 could have been better. Less wind force would have been preferable. The second part of the survey was carried out in very fine weather conditions.

The coordinating R/V Tridens was contacted in order to offer assistance to other R/V if they have had problems in finalising their assigned survey areas. No help was needed.

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

### **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 6825 kg. with a mean catch of 170 kg. per haul. Lowest catch 20 kg. and largest catch of 1,165 kg.

### **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 2/2004**

