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Charter Fishing Vessel *Concorde* (BF 47)

Cruise 0402H

## REPORT

14-28 January 2002

### Ports

**Loading:** Peterhead

**Unloading:** Peterhead

**Half Landing:** 20/21 at Peterhead

### Personnel

R J Kynoch                      In charge

I Penny

E G Jones

### Objectives

1. To determine the effect of two positions of a 90 mm square mesh panel on the selectivity of an 80 mm diamond mesh cod-end rigged with a lifting bag.
2. To measure the selectivity of the same cod-end with no square mesh panel.
3. To measure the selectivity of a 100 mm diamond mesh cod-end with a 90 mm square mesh panel positioned 9-12 m from the codline and no lifting bag.

### Narrative

Staff and fishing gear joined *Concorde* at Peterhead on 14 January 2002. Staff rigged the fishing gear and instrumentation aboard the vessel for most of the day. During the evening of 14 January the vessel sailed to fishing grounds ~120 miles NE of Peterhead in the Fladen area. Thereafter cod-end selectivity trials were carried out with the experimental cod-ends attached to the starboard trawl and a small mesh cod-end attached to the port trawl. A half landing was made into Peterhead on the evening of 20 January to land the catch. The vessel sailed on the morning of 21 January to the same fishing grounds NE of Peterhead. However due to a NW gale the vessel had to dodge and did not arrive on station until 24 January. Cod-end selectivity trials were thereafter continued for the remainder of the cruise.

The cruise ended at Peterhead on 28 January with staff and fishing gear returning to Aberdeen.

### Results

A total of 24 selectivity hauls were made of which two were invalid due to debris in the test cod-end. There were sufficient quantities of prawns for most hauls. However for haddock and whiting there were large quantities of fish below 30 cm but very few above 35 cm. The following number of valid hauls were made with each case:

Standard 80mm cod-end (No square mesh panel)	6 hauls
80mm cod-end with 90mm square mesh panel at 15 m-18 m	6 hauls
80mm cod-end with 90mm square mesh panel at 9 m-12 m	5 hauls
100mm cod-end with 90mm square mesh panel at 9 m-12 m	5 hauls

A full statistical analysis will be carried out in the Laboratory

R J Kynoch  
19 June 2002