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Charter Fishing Vessel *Zenith* BF106

Cruise 0103H

REPORT

2-6 February 2004

Personnel

*R J Kynoch (In charge)
N Collie
C Mackenzie

Objective

To carry out fully instrumented *Nephrops* twin trawl gear measurement trials on a vessel with main engine power of 519 Kw and fishing in water depths ranging from 110 m to 120 m.

Out-turn days per project: 5 days, MF0755

Narrative

Staff and instrumentation travelled to Fraserburgh on Monday 2 February. Staff then commenced rigging the instrumentation aboard the vessel alongside Fraserburgh harbour. The vessel left port during the afternoon of 2 February and completed one instrumentation haul on fishing grounds 8 miles NE of Fraserburgh. Due to bad weather on 3 February measurement trials had to be abandoned. Thereafter, fully instrumented hauls were made until the end of the cruise on the afternoon of 6 February. Staff and the instrumentation returned to Aberdeen during the afternoon of 6 February.

Results

Three fully instrumented hauls were made on the same fishing tow with a warp length of 274 m with water depth ranging from 110 m to 128 m. The haul procedure was the same for all three hauls and consisted of blocks (15 minute periods while towing at constant rpm) at systematically varied speeds. The reciprocal tow method as recommended by ICES was used to allow for tidal changes. Engineering performance data will be analysed in the Laboratory and utilised in project MF0755.

R J Kynoch
6 April 2004