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Charter Vessel Cruise
MV "Ocean Bounty"

Report

9-16 May 1988

Personnel

J Kinnear HSO
C Shand SO

Objectives

- a) To set up a series of permanent transects across the artificial reef and a natural reef in Piece Bay (near Torness).
- b) To survey the transects using video and stereo photography.

Narrative

Crew and scientists joined the vessel on 9 May 1988 at Berwick-on-Tweed. On the following day the vessel sailed for Piece Bay in the Firth of Forth where work was begun surveying the artificial reef. Photographic work was carried out on the reef from 10 May until 15 May. The vessel returned to Berwick on 16 May. One day of photography was lost due to bad weather and one due to faulty equipment.

Results

Drift transects were used across the reef, using a Decca plotter to measure distance and direction of drift. Twelve complete N→S transects were made on each occasion starting and finishing on natural sea bed. Preliminary analysis of the photographs and video has shown the presence of the following animals on the reef.

Fish: Pollachius pollachius
Gadus morhua
Molva molva
Myxocephalus scorpinus

Macro crustacea: Hommarus gammarus
Cancer pagurus

Others: Echinus esculantus
Asterius rubens
Buccinum undatum
Alcyonium sp.
 Bryozoans - various

J Kinnear
7 July 1988