

R1/10

5GR85

In Confidence - not to be quoted without prior reference to the Laboratory

LD

FRV "Goldseeker"

Cruise 5/85

Report

27 March - 11 April

Personnel

R Priestley	SSO
C D Hall	HSO
P J Barkel	PTO IV
D W T Stuart	PTO IV

Objectives

1. To carry out development work on the Towed Underwater Vehicle and associated instrumentation.
2. To inspect and record on video tape the performance of the PT116 trawl.

Narrative

"Goldseeker" arrived at Blyth during the afternoon of 28 March and remained in port all the following day whilst the vehicle and the scientific gear were installed. Work at sea, in an area 10 miles to the east, commenced on Saturday 30 March and continued daily until Tuesday 9 April when gale force winds forced an early return to harbour. This being the last working day of the cruise, the gear was dismantled and "Goldseeker" sailed early on the following morning on passage to Leith.

Results

1. The vehicle was towed on rope for the duration of the cruise, and its performance recorded over differing towing speeds, tow lengths, and with measured additions of buoyancy and weight. This data will be compiled and published at a later date; similar information for a wire tow line was collected in 1984.
2. The PT116 Shrimp/Sprat Trawl was shot and observed for several hours, 3 one hour video tapes obtained, and still photographs taken. Direct observation showed a well tailored net with the meshes wide open, and a headline height of 5 metres. The tapes and photographs have been passed on to the gear section for more detailed examination.

R Priestley

14 May 1985

Seen in draft: A Mair