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IN CONFIDENCE: Not to be quoted without reference to the Laboratory

27/6

F.R.V. 'Scotia'

Cruise 7/84

REPORT

22-26 June 1984

Objectives:-

- 1 To investigate the status of offshore benthic communities in selected areas of the Northern North Sea.
- 2 To collect samples of surface seawater from the pumped supply during passage.
- 3 To collect water samples from a series of depths at one of the benthos stations using 'Go-Flo' sampling bottles.

Narrative:-

The changeover of scientific staff took place in Aberdeen at 0730 hrs on 22 June and 'Scotia' sailed at 1000 hrs on direct passage to the main benthos sampling zone. A series of 13 stations (see track chart) was sampled between 0500 hrs on 23 June and 2200 hrs on 24 June. At each station replicate samples for macrobenthos, meiobenthos, sediment, particulate organic carbon, A.T.P., heavy metals and pesticides were taken by Smith-McIntyre grade. Epibenthos samples were collected by Agassiz trawl at 6 of the 13 stations.

At stations 511 and 512 a vertical series of water samples was collected by Go-Flo samplers for heavy metal analysis. Additional samples for heavy metal analysis were collected from the continuous surface water supply at regular intervals throughout the cruise.

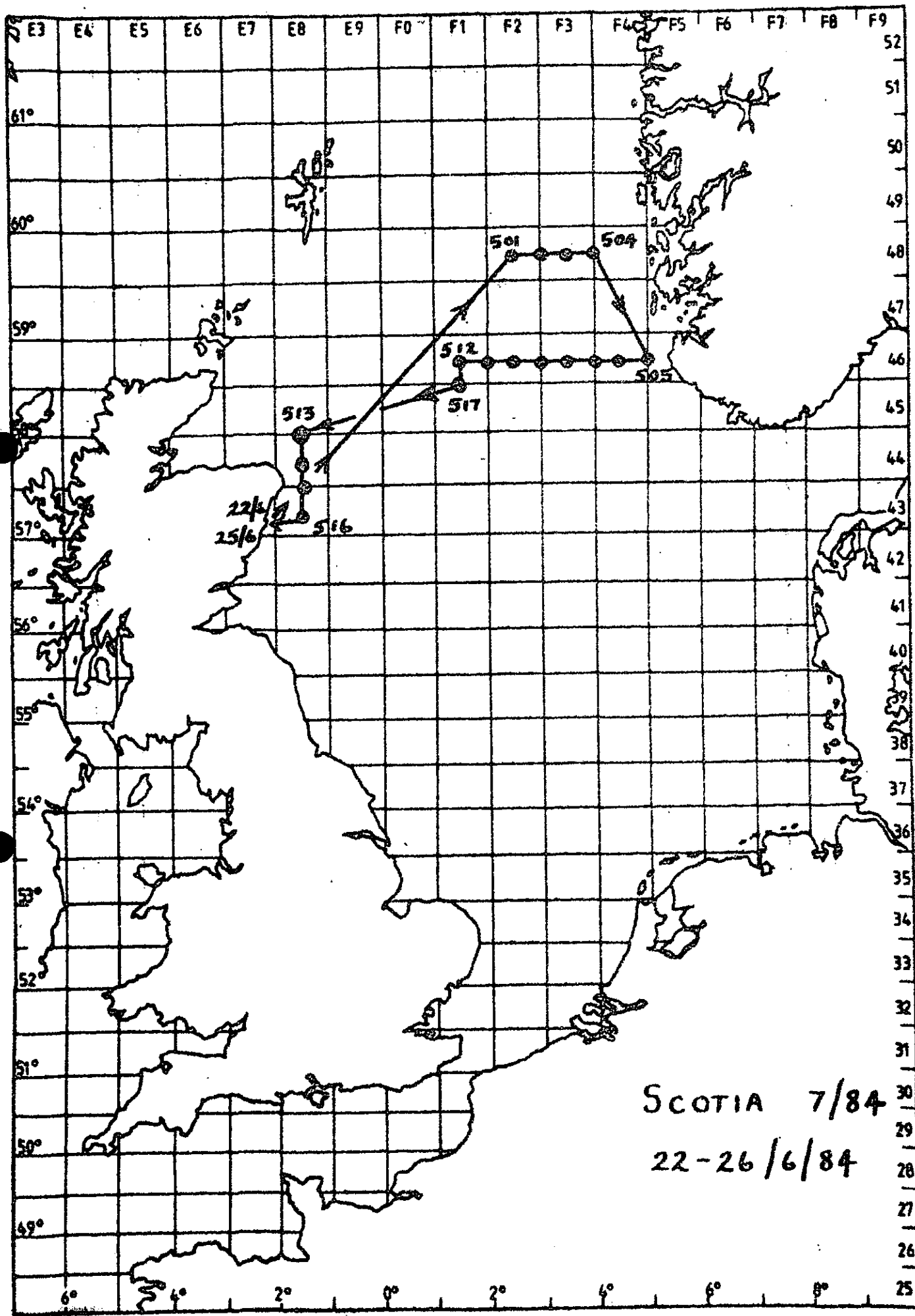
On leaving the main sampling zone 'Scotia' proceeded to a line of 4 stations off the Aberdeenshire coast (see track chart) where a similar series of benthic samples was taken. Sampling was completed at 1400 hrs on 25 June and 'Scotia' docked at Aberdeen at 1530 hrs on that day.

Results:-

All scheduled sampling was completed during the cruise. Analysis of all biological and chemical samples will be carried out in the Laboratory in Aberdeen.

D J Murison  
3 July 1984

Seen in draft  
J W Gillan



SCOTIA 7/84  
22-26/6/84