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MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK

1986 RESEARCH VESSEL PROGRAMME

REPORT: RV PRINCE MADOG Cruise 37

STAFF:

- S Rowlatt (SIC)
- D Limpenny
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- E I S Rees (UCNW)
- L Hummerstone (MBA)
- G Burt (MBA)

DURATION:

Left Menai Bridge 1000h 15 September
Arrived Menai Bridge 1100h 19 September
(All times are Greenwich Mean Time)

LOCATION:

Liverpool Bay

AIMS:

1. To conduct a routine monitoring survey of the Liverpool Bay sewage sludge dumpsite using grabbing and coring.
2. To collect samples of benthos for chemical analysis at MBA.
3. To collect sediment and water/suspended solids for ²³⁴Th analysis as part of a study of scavenging and sediment disturbance in the Burbo Bight.

NARRATIVE:

PRINCE MADOG sailed from Menai Bridge at 1000h on 15 September and proceeded to the survey area where 14 grab stations were sampled that afternoon and evening. On 16 September the routine monitoring survey of the Liverpool Bay sewage sludge site was completed (Aim 1). A station was then worked in the Burbo Bight mud patch, collecting a core for ²¹⁰Pb dating. During the evening of 16 September and early morning of 17 September a grab survey of the Burbo Bight was carried out to assess the areal extent of the mud patch. On completion of this work a series of four stations extending NW from the Burbo Bight were sampled for water, suspended particulates and sediments for ²³⁴Th analysis (Aim 3). On 18 September 15 grab stations were sampled as part of a study of the recovery of the disused dredged spoil dumpsite site Z. 28 grab stations were then sampled to enhance the sewage sludge site survey. On 19 September two stations were sampled in Red Wharf Bay for comparison with dumpsite sediments.

RESULTS:

All aims were successfully achieved. In addition, grab surveys of the Burbo Bight and Old Site Z were carried out.

INITIALLED P C W H W H

S Rowlatt
26 September 1986

DISTRIBUTION Basic list+
D Limpenny L Hummerstone
A Clark G Burt E I S Rees