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

1987 RESEARCH VESSEL PROGRAMME

REPORT : RV CLIONE CRUISE 13b

(Not to be cited without prior reference to the author)

STAFF

- S M Rowlatt
- P A West (first part)
- H L Rees
- P Hudson
- G Lees (second part)
- D Limpenny
- M Lambert

DURATION

Left Barry 0800h 23 October
 Docked Lowestoft 1530h 1 November
 All times are Greenwich Mean Time

LOCALITY

Bristol Channel, English Channel, Southern North Sea

AIMS

1. To carry out a monitoring survey of the Bristol Channel sewage sludge dumpsites using grabbing, coring and dredging.
2. To survey the proposed Hasting Shingle Bank aggregate extraction site using sidescan sonar with grabbing for ground truth, trawling and dredging.
3. To survey the Nab Tower sewage sludge dumpsite using grabbing, coring and dredging.

NARRATIVE

CLIONE sailed from Barry at 0800h on 23 October and proceeded to the Bristol Channel sewage sludge dumpsite. During the period 23-25 October a survey of the area was carried out using Day and Shipek grabs and anchor dredges (Aim 1). Samples of Dab for fish disease studies were then collected from the Tenby area (additional aim). On 27 October CLIONE steamed to Weymouth to change personnel. On route a transect of 11 grab stations was worked at the Exeter sewage sludge dumpsite (additional aim). CLIONE steamed to Nab sewage sludge dumpsite and a survey of the area was carried out on 28 October using Day grab, anchor dredge and scallop dredge (Aim 3). On 29-30 October the Hastings Shingle Bank was surveyed using underwater TV, sidescan sonar, grabs and anchor and scallop dredges (Aim 2).

CLIONE then steamed to the Shakspeare Cliff area where a series of water samples for suspended solids determinations were collected (additional aim). On 31 October a sidescan survey of Roughs Tower dredged material and sewage dumpsite was undertaken and on 1 November grab samples for ground truth were collected (additional aim). CLIONE docked in Lowestoft at 1530h on 1 November.

RESULTS

All aims were successfully achieved and three additional aims were carried out.

Bacteriological analyses of grab samples from the Bristol Channel suggest that the area is highly dispersive.

Clear video images were obtained at the Hastings Shingle Bank using the MAFF

underwater sledge.

The remaining results will not be available until the samples are processed in the laboratory.

S Rowlett
(Scientist-in-Charge)
16 November 1987

SEEN IN DRAFT

G Sinclair (Master)

R G Newrick (Fishing Skipper)

INITIALLED: H W H

DISTRIBUTION:

Basic List+

P A West

H L Rees

P Hudson

G Lees

D Limpenny

M Lambert

J Cotter

A J Murray

CLIONE 13B/87

BRISTOL
CHANNEL

ROUGH
TOWER

DOVER

HASTINGS
SHINGLE
BANK

NAB
TOWER

ELETER

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