

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD  
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK NR33 0HT, ENGLAND

1994 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV CORYSTES: CRUISE 1B

STAFF

J M Rees (SIC)  
N D Pearson  
K J Medler  
N J Faber  
B Fogg  
P Murray (UC)

DURATION:

19 January-26 January

LOCALITY:

Race Bank, Outer Wash

AIMS

1. To test the new Minipod frame and logger system over 2 tides and to evaluate the results.
2. To compare the bed shear stresses, both tidally and wave generated on two sites (Race Bank typically 10-12 m water depth) and another site to the East with water depth of 20 m). The ADCP (Acoustic Doppler Current Profiler) and CTD will be used to supplement measurements from a Minipod.
3. To undertake a sediment survey around the proposed site of the long term deployment of a Minipod on Race Bank.
4. To conduct a sidescan survey around the proposed long term deployment site.
5. To deploy a Minipod and Guard Buoys on the long term site for recovery on CIRO 4/94.

PLAN (all times are GMT):

RV CORYSTES will sail on the 1428h tide on the 19th of January and proceed to the Wash. As the proposed work area is shallow (typically 10 m), scientific work will be only undertaken in daylight and moderate weather conditions.

The Minipod will be deployed on the morning of the 20th on the central deployment site RB1 (55° 15.0'N, 00°53.0'E) for evaluation trials and recovered on the morning of the 21st. After evaluation of the logger and data during the afternoon and evening of the 21st the Minipod will be deployed on the proposed dredging site RB2 (55° 15.3'N, 00° 47.0'E) on the morning of the 22nd and recovered on the morning of the 23rd. A third deployment of the Minipod will be made on the control site RB3 (55° 15.0'N, 01° 05.0'E) from the afternoon of the 23rd to the afternoon of the 24th. During each deployment auxiliary data will be collected from the ADCP and the CTD. Sidescan and sediment surveys will be taken at each site before deployment. On the 25th the Minipod and guard buoys will be deployed on the long term deployment site (RB2).

The CORYSTES will dock on the 0844h tide on the 26th of January in Lowestoft.

J M Rees  
7 January 1994

INITIALLED: RRD

DISTRIBUTION:

Basic List +  
J M Rees (SIC)  
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