

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

1986 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 2

STAFF: J W Read (SIC)
J C Robson
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Ms C A Hudson
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J M Rees

DURATION: Left Lowestoft 1600h 20th January.
Arrived Lowestoft 1015h 30th January.

LOCALITY: Eastern Irish Sea

AIMS:

1. To establish 6 standard current meter stations in Eastern Irish Sea.
2. To deploy the Near Bed Velocity Recorder (NBVR) at a site off St Bees Head.
3. To lay 3 guard buoys around the NBVR, 2 with sea bed towers attached.
4. To test a current meter mounted transmissometer.
5. To make a CTD survey of area.
6. To take water samples for C_S analysis in the area and on passage.

NARRATIVE:

RV CLIONE sailed on the PM tide of 20 January. During the passage to the Irish Sea continuous SW and W gales forced the ship to seek shelter on three occasions. The first surface water samples were taken on the 25 January and the vessel arrived at the first current meter position at 0430h on 26 January. By 0730h the three current meter moorings R, Q, P, had been laid. The three guard buoys were then deployed in a triangular configuration and the ship anchored in its centre, 'AA', for the tetrapod (NBVR) deployment. This was accomplished with some difficulties shortly after the midday slack water period. The ship then steamed to current meter positions T, N and M, completing deployments at 2130h. During the steaming the CTD and Rosette water sampling equipment was assembled on the poop deck ready for an attempt the following morning, to complete a CTD section between St Bees Head and Ramsey Bay (P, Q, R, S). However by 0730h on the 27 January a rising NW wind prevented safe deployment of the equipment and the ship headed for home via positions S, V, W, Y, where surface samples for C_S analysis were taken. On the following day the Lands End - Anglesey C_S samples missed on the passage out were collected and after a stormy passage home the ship docked at 1015h on 30 January.

RESULTS:

1. The 6 current meter moorings, M, N, P, Q, R, T were established.
2. The NBVR was deployed at position AA and mud snapper samples taken for AEP4.

3. 3 guard buoys were deployed but lack of time prevented the sea bed frame being used.
4. The current meter mounted transmissometer was not available.
5. Bad weather prevented any CTD work.
6. 18 water samples for caesium analysis were taken as requested by AEP1.

J W Read
29 January 1986

SEEN IN DRAFT: J R French (Master)
E W Pearson (Senior Fishing Mate)

INITIALLED: HWH

DISTRIBUTION:

Basic List +
J W Read
J C Robson
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