

PERSONNEL

B Stewart SSO (SIC)
C Gibson SPSO
P Elliott SO
S Bloomfield ASO
M Charlesworth Student

CRUISE OBJECTIVE

To map the temperature, salinity and nutrient distributions in the NW Irish Sea.

CRUISE NARRATIVE

Tuesday 20 October 1992

The vessel departed Belfast harbour at 0700 hrs and arrived at station 4 (see attached sampling grid) in the North Channel at 0915 hrs. The weather was dry and bright with a force 4 northerly wind. Problems with electrical connections on the CTD were encountered and approximately 2 hours were spent on station pending repair. The vessel proceeded southwards along a grid of stations to finish sampling on station 45 at 2100 hrs. The vessel was allowed to drift slowly southwards overnight.

Wednesday 21 October 1992

The survey continued from station 62 at 0800 hrs and departed along an initial northerly sampling grid before veering north west from station 50 to continue with inshore stations. Conditions were overcast and showery with a force 5-6 northerly wind. Sampling finished on station 24 at 1910 hrs. The vessel anchored overnight in Dundrum bay.

Thursday 22 October 1992

The three remaining inshore stations on the sampling grid were sampled commencing with station 22 at 0800 hrs. The vessel proceeded north to finish the sampling survey on station 14 at 1130 hrs and eventually docking in Belfast at 1430 hrs. Conditions were dry and bright with a force 5-6 westerly wind.

PARAMETERS MONITERED

The entire cruise track was surface mapped for nutrients, temperature and salinity at approximately one mile intervals. At each station on the sampling grid the CTD/rosette was deployed to acquire nutrient, temperature and salinity data from the depth profile. Duplicate, vertical zooplankton hauls were also taken at each station and underwater light measurements were made at stations 4, 57, 47 and 22.

SUMMARY OF RESULTS

From the acquired nutrient and CTD data the survey area was shown to be mixed from surface to bottom with a gradual decrease in water temperature from north to south.

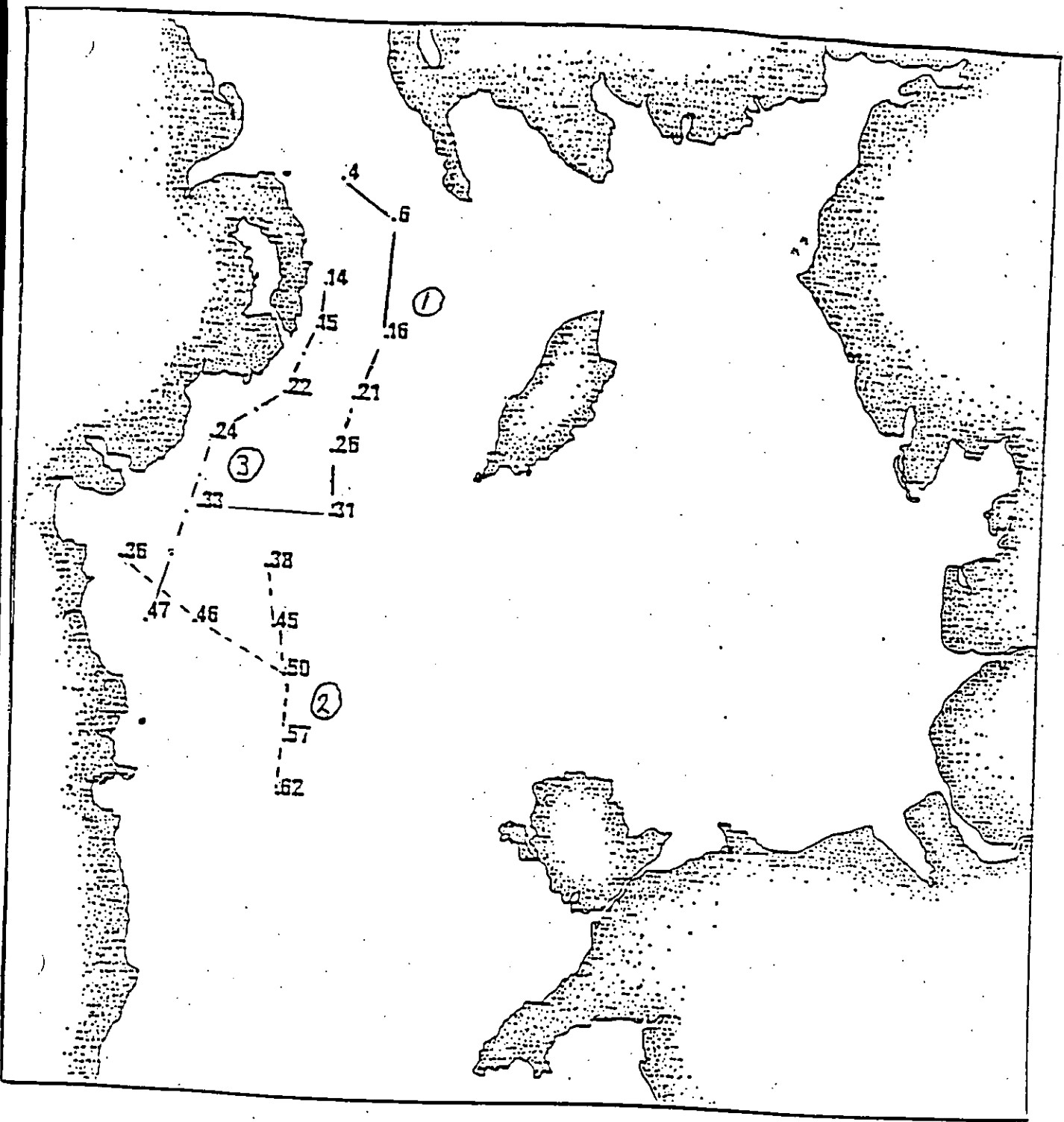
ACKNOWLEDGEMENTS

The ship's master, officers, engineers, catering staff and crew are thanked for their cooperation during this cruise.

A handwritten signature in cursive script, appearing to read "Brian Stewart".

B STEWART

29 October 1992



Departure 20 October 1992.

Station	Position	Activity
4	5441 0520	CTD; Light; secchi; Zooplankton;
6	5436 0510	CTD; Zooplankton; Secchi
16	5421 0510	CTD; Zooplankton; Secchi
21	5413 0516	CTD; Zooplankton; Secchi
26	5406 0521	CTD; Zooplankton; Secchi
31	5358 0520	CTD; Zooplankton; Secchi
33	5358 0550	CTD; Zooplankton; secchi
38	5351 0534	CTD; Zooplankton; secchi Light;
45	5343 0532	CTD; Zooplankton; Secchi Light;
62	5321 0530	CTD; Zooplankton; Secchi Light;
57	5328 0528	CTD; Zooplankton; Secchi
50	5337 0528	CTD; Zooplankton; Secchi
46	5343 0550	CTD; Zooplankton; secchi
36	5351 0611	CTD; Zooplankton; Secchi
47	5343 0609	CTD; Zooplankton; Secchi Light;
24	5406 0552	CTD; Zooplankton; secchi Light;
22	5413 0531	CTD; Zooplankton; secchi
15	5421 0525	CTD; Zooplankton; secchi
14	5428 0523	CTD; Zooplankton; secchi