

R1/6 In Confidence: Not to be quoted without prior reference to the
Laboratory

FRV 'Clupea'

AR
6CR81

Cruise 6/81
Report
27 April - 7 May 1981

Objectives

1. To uplift and replace three hydrographic moorings in the Moray Firth.
2. To undertake a hydrographic and chemical survey of the Moray Firth.
3. To lay a long term hydrographic mooring off Ungam Island, Sullom Voe and the short term placing of caged "Queens" off Calback Ness.
4. To conduct a hydrographic and chemical survey within Sullom Voe.

Narrative

The 'Clupea' left Aberdeen at 1300 on Monday 27 April and the next day replaced two hydrographic moorings. The third mooring was missing and time was spent on Wednesday creeping for it without success. 'Clupea' proceeded to Shetland to undertake the Sullom Voe commitment. A brief visit to Lerwick to collect "Queens" had to be extended for 24 hours due to a severe gale and 'Clupea' only reached Sullom Voe at 1700 on Friday 1 May where she remained until Monday morning the work completed.

After a very brief visit to Buckie for chain anchor the missing mooring was replaced on the promulgated position and a hydrographic and chemical survey was resumed. The 'Clupea' proceeded to Buckie and docked at 1600 on Wednesday 6 May.

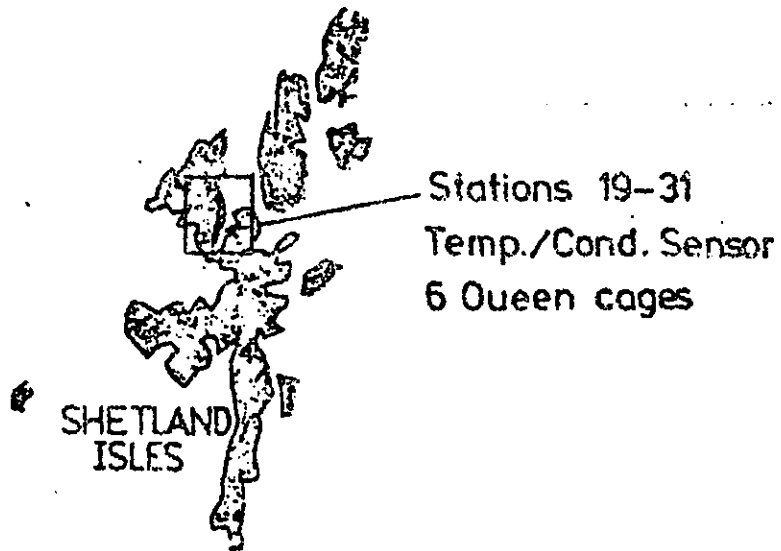
Report on objectives

1. The Inner two moorings were replaced and subsequently checked. The original moorings had been interfered with but the current meters were functional. The Outer mooring had to be totally replaced.
2. Due to the time lost because of inclement weather, it was impossible to complete the Moray Firth survey but 13 stations, reasonably separated, were fully worked.
3. The long term mooring off Ungam Island, Sullom Voe was successfully deployed. Scallops were used in place of "Queens" as the latter were not available. They were positioned off Calback Ness from 1700 1 May to 1000 4 May.
4. The hydrographic and chemical survey at Sullom Voe was successfully completed.

J H A Martin
11 May 1981

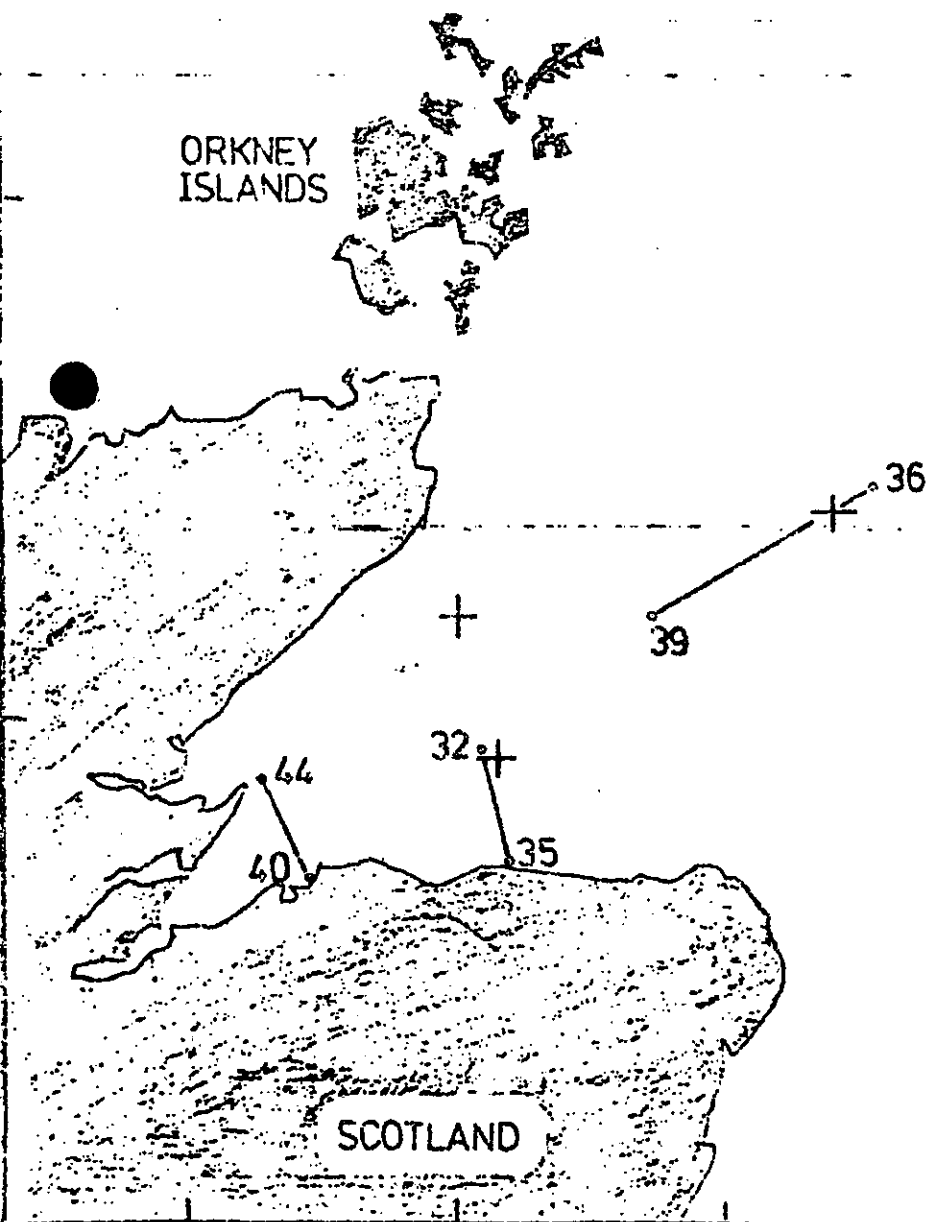
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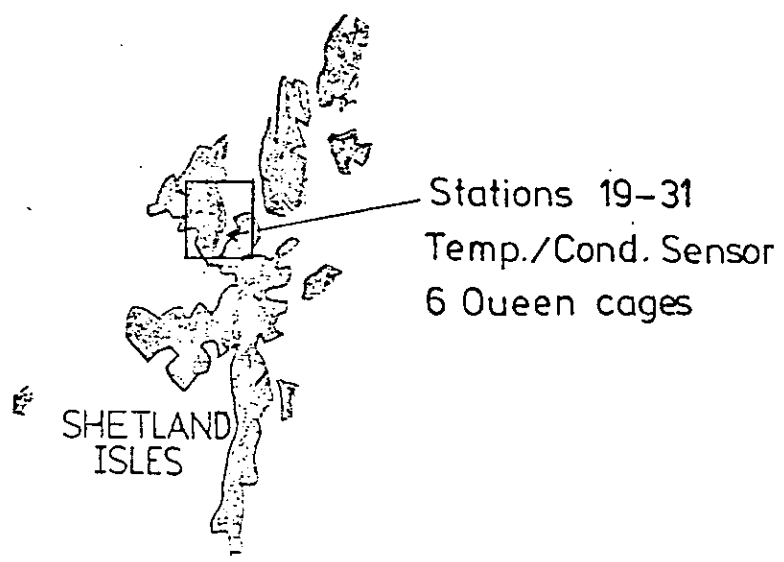


—•— Hydrographic Stations
+ Current Meters

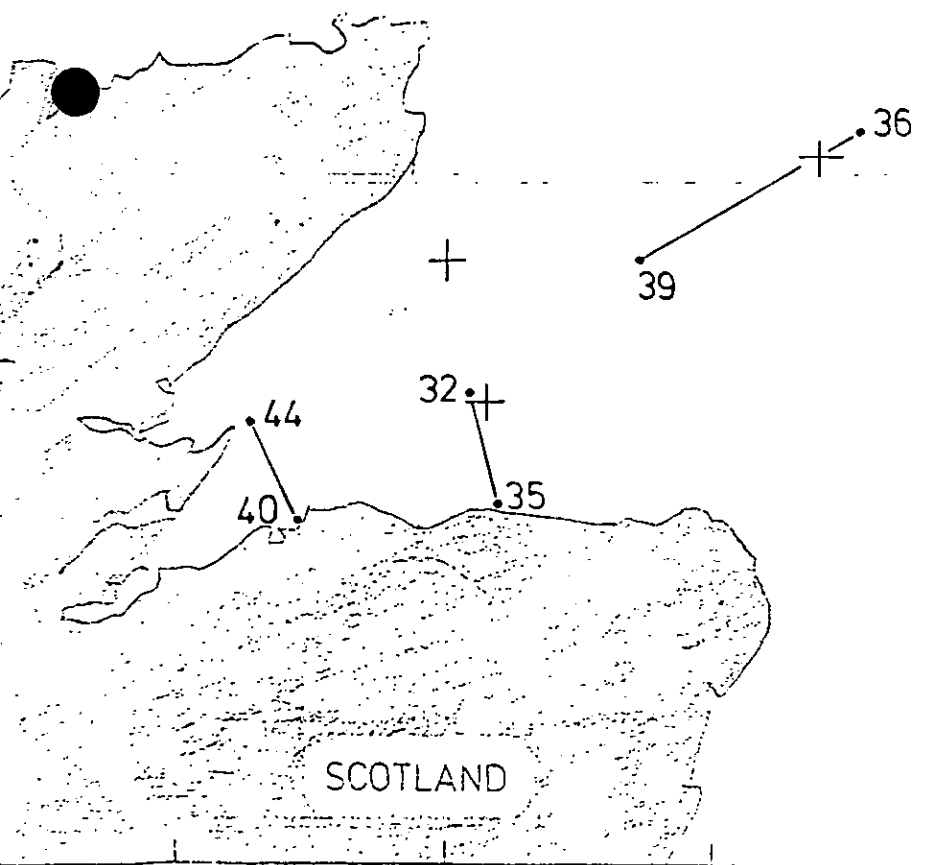
ORKNEY ISLANDS



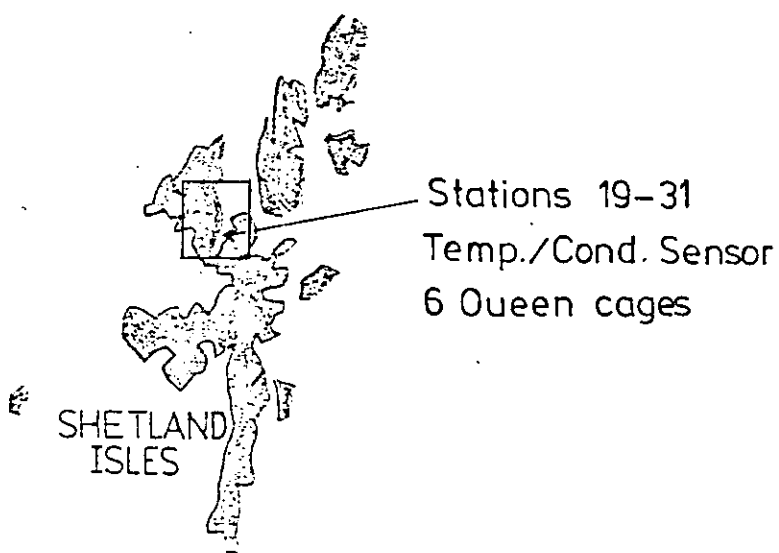
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