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Cruise 11/84
FRV "CLUPEA"

Report
11-26 September 1984

Objectives

- 1) To take part in the ICES coordinated herring larval surveys off the east coast of Scotland.
- 2) To collect surface water samples for radio-caesium monitoring.

Narrative

Scientists joined "CLUPEA" on 11 September but poor weather prevented "CLUPEA'S" departure until 12 September. After calibrations were made and a water sample taken the survey commenced with stations in the Moray Firth. The offshore stations were completed before docking in Aberdeen at 1615 on 14 September. The vessel sailed the following morning and after the southern part of the grid was completed and a water sample was taken off Montrose, "CLUPEA" docked in Aberdeen for the half landing.

"CLUPEA" left Aberdeen after the half landing on 19 September but bad weather prevented any but a few inshore stations being sampled. With sea conditions deteriorating "CLUPEA" anchored in Lunan Bay. Despite bad forecasts sampling resumed on 20 September. The offshore and northern stations were completed before docking in Buckie in the morning of 22 September. "CLUPEA" left Buckie in the evening but bad weather prevented any sampling in the Moray Firth. After steaming east a few stations on the east coast were completed before anchoring in the Firth of Forth. On 24 September a start was made in sampling the southern part of the grid but on 25 September conditions became too bad for sampling to continue and "CLUPEA" returned to the Firth of Forth where calibrations were made before docking in Leith.

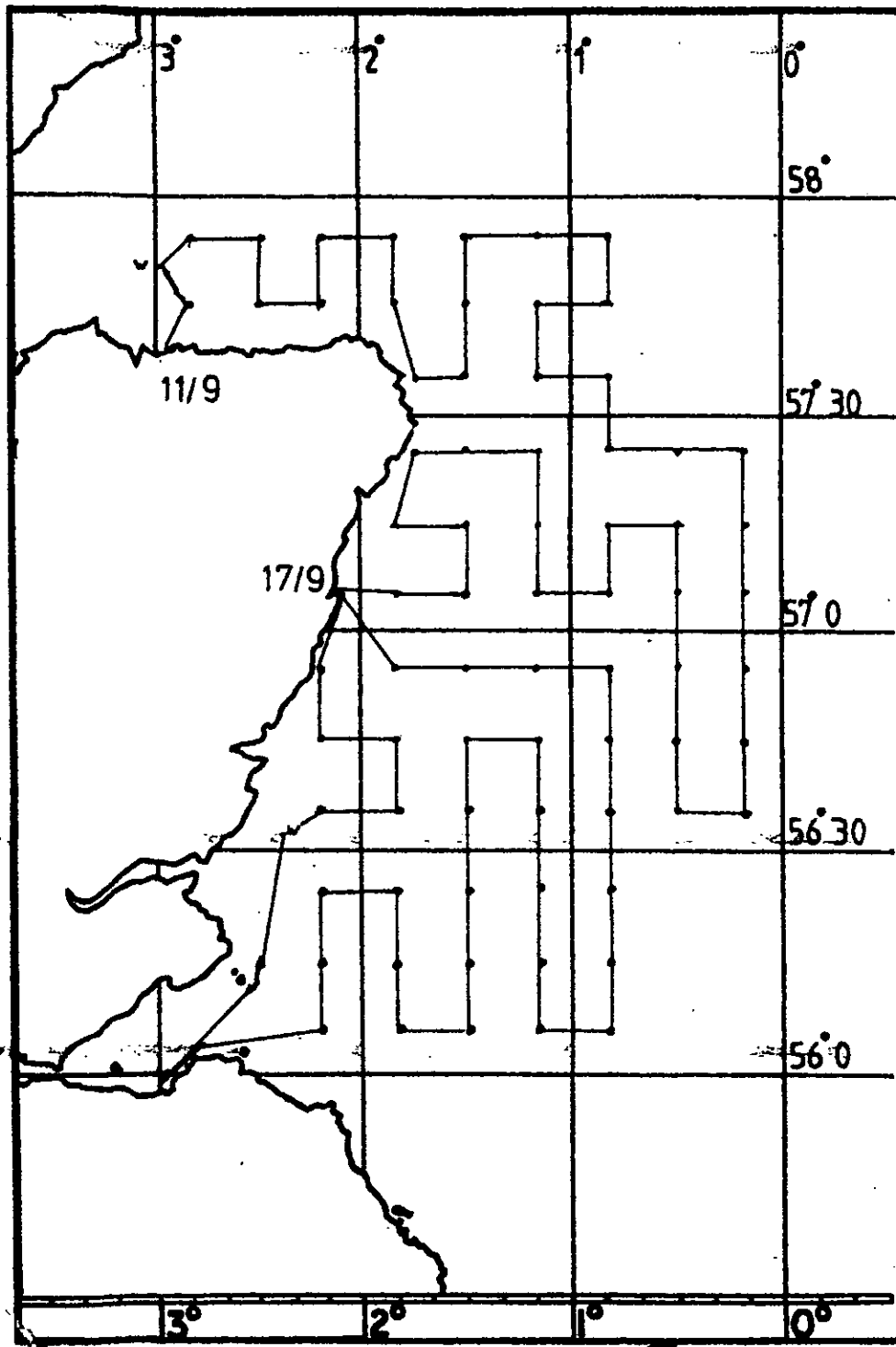
Results

A total of 137 samples were taken during the cruise. Where sea conditions permitted samples were analysed. This analysis and visual inspection during sampling indicated that concentrations of small larvae were present in samples taken from the eastern edge of the grid. Communications with the Danish research vessel "DANA" indicated that up to 6000 per square meter were present. Smaller numbers of large larvae were found off the Buchan coast. Elsewhere larvae were scarce.

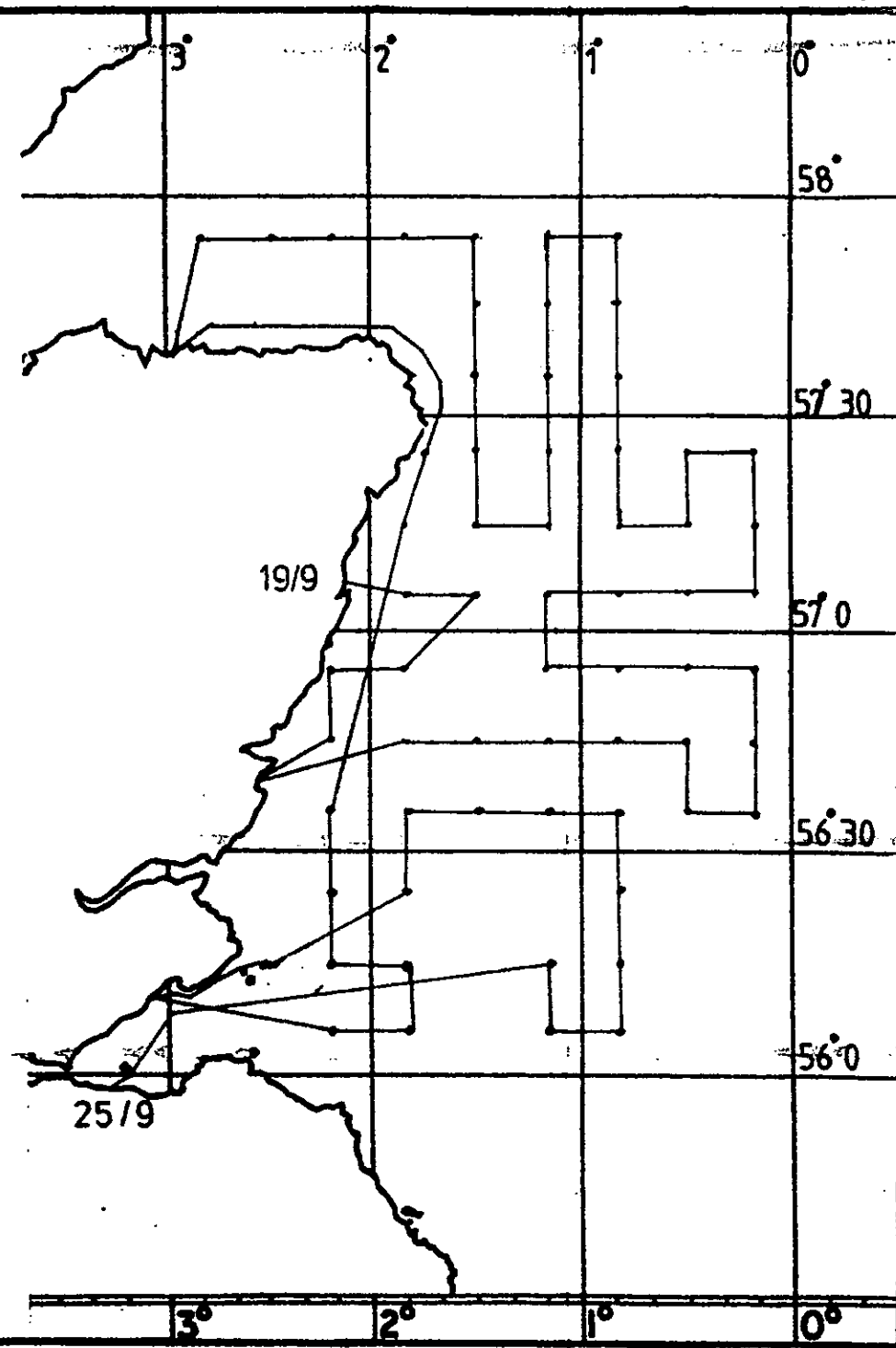
The depth of the Dutch Gulf III sampler was monitored throughout the trip using a cableless netsonde attached to the side of the sampler.

B Edelsten
4 October 1984

Narrative seen in draft: W Smith



CLUPEA 11-26/9/84



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