

R1/6
In Confidence
Cruise 12/81
FRV "Clupea"
REPORT
8-18 September 1981

12CR81
AR

Personnel

K Warburton	HSO (in charge)
R Watt	SO
C S Main	ASO

Objectives

To carry out a herring larval survey off the east coast of Scotland as part of the ICES coordinated North Sea Herring Larval Surveys.

Narrative

FRV "Clupea" left Buckie at 1745, 8 9 81 and made for Station 1: Stations were then sampled in the order indicated in Figure 1. At 2000, 9 8 81, sampling was discontinued at the position 57°15'N 00°40'W in order to give assistance to the disabled Danish trawler "Larvik", which "Clupea" towed to Aberdeen harbour. Because of increasingly rough weather shelter was sought by steaming into the Moray Firth, where on 10 9 81 three grid stations close to the Moray coast were sampled, together with three improvised stations which extended the grid westwards. "Clupea" put into Buckie at 2100, 10 9 81. On the following Monday (14 9 81) the vessel left Buckie at 1115 and continued (as shown in Figure 1) until 2310, 15 9 81, when a night anchorage was found in St Andrews Bay. The survey was resumed at 0730 the next day. After working progressively north, the last part of the survey was concentrated in the Moray Firth, again because of strong winds from the south. "Clupea" finally put into Buckie at 0240, 18 9 81.

Results

All grid stations were sampled, 66 once, seven twice and one three times. No obviously high concentrations of herring larvae were located.

Kevin Warburton
18 September 1981

Seen in draft: G Geddes

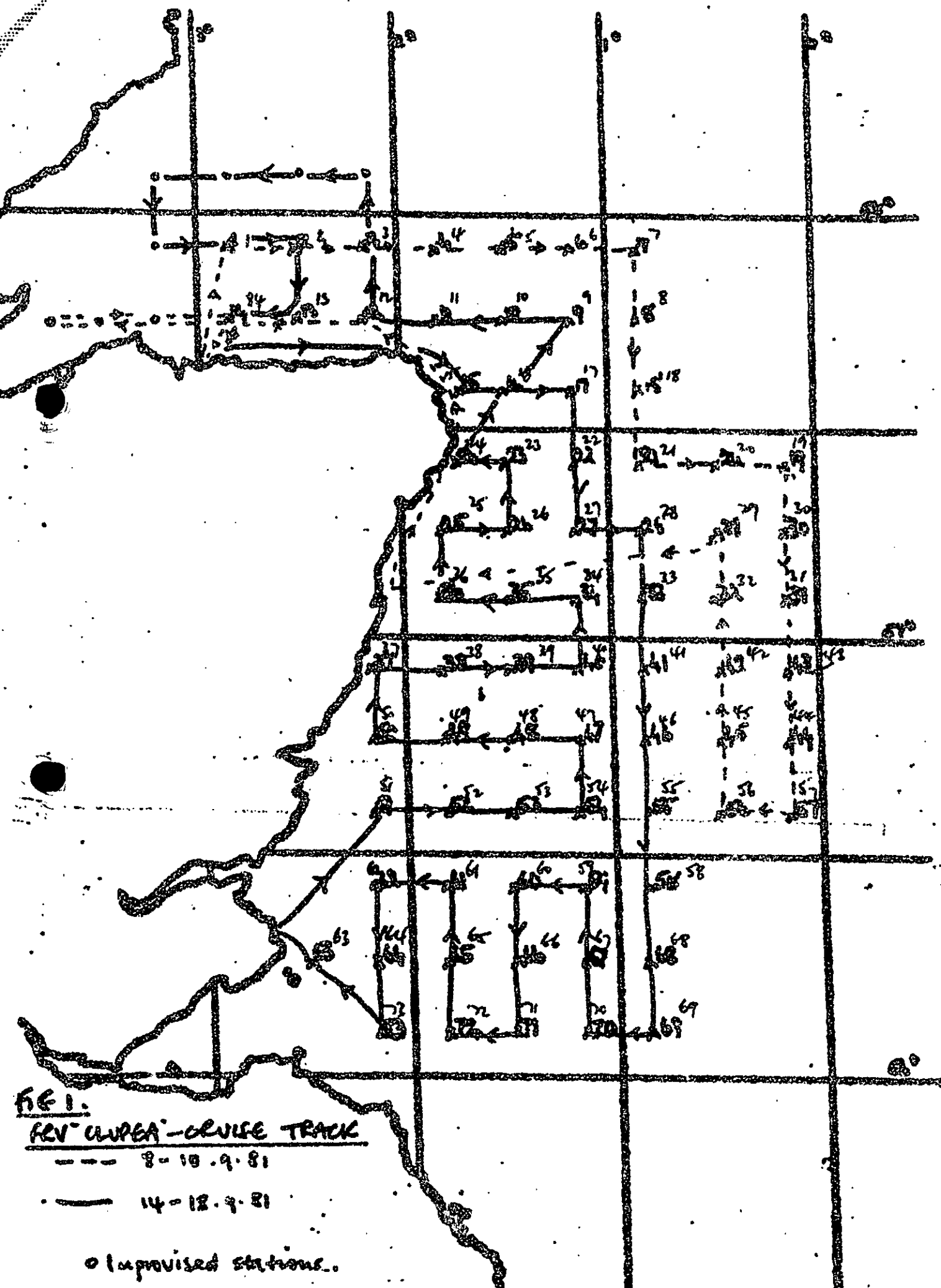


FIG. 1.
FRY CLUPPA CRUISE TRACK

--- 8-10.9.81

— 14-18.9.81

○ improvised stations.