

In Confidence: Not to be quoted without
reference to the Laboratory.

CRUISE REPORT

FRS "Clupea"

1 September - 27 September 1969

Objectives

1. To carry out a survey off the Scottish East Coast from the Moray Firth to the Longstone to estimate the abundance of herring larvae in the area.
2. To carry out experiments with a multiple sampler to measure the escape of herring larvae from samplers of differing aperture size.

Because of winch trouble "Clupea" was unable to start the cruise until the evening of the 3 September. During the remainder of that week the stations to the north and east of Aberdeen were done. During the second week the remainder of Grid I was done with the exception of 14 stations in the area east of Aberdeen, which had to be omitted because of bad weather. No concentrations of herring larvae were found in this area. After contacting "Scotia" it was decided to carry out the escape experiments in the area west of Orkney.

Good concentrations of herring larvae were located by "Clupea" to the west of Orkney and the escape experiments were carried out during the third week when some 35 hauls were made. Gale force winds during the fourth week prevented the resampling of Grid I but a brief respite in the weather enabled all but 2 of the 14 stations missed in the first coverage of Grid I to be done.

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18 November 1969