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MV Cornucopia

Charter Cruise 0495H

REPORT

9-20 May 1995

Personnel

T W Howell HSO (in charge)
S E B Thain SO

Objectives

1. To carry out a survey of scallop stocks in Shetland waters.
2. To examine growth rates of scallops using ring measurement.

Out-time costs per project: 19 days FBA1

Narrative

The scientific staff joined *MV Cornucopia* at Lerwick at 0600 hours on 10 May. Sampling began south of Bressay and progressed clockwise around the islands with hauls made on all the principal scallop grounds. The cruise finished back at Lerwick at 1600 hours on 19 May and the scientific staff returned to Aberdeen on 20 May.

Results

During the trip 89 scallop dredge hauls were made and a total of 9717 scallops were caught. The position of each haul is shown on the map in Figure 1. Catch rates varied considerably from a minimum of 0/hr to a maximum of 944/hr. The mean catch rate, age and length frequencies for the main areas are shown in Figures 2 and 3.

During the cruise ring measurements of samples from the main areas were taken as part of a detailed study on scallop growth rates. The number and length distributions of bycatch commercial fish and shellfish species were recorded. The total numbers of each species caught is given in Table 1.

T Howell
3 October 1995

Table 1

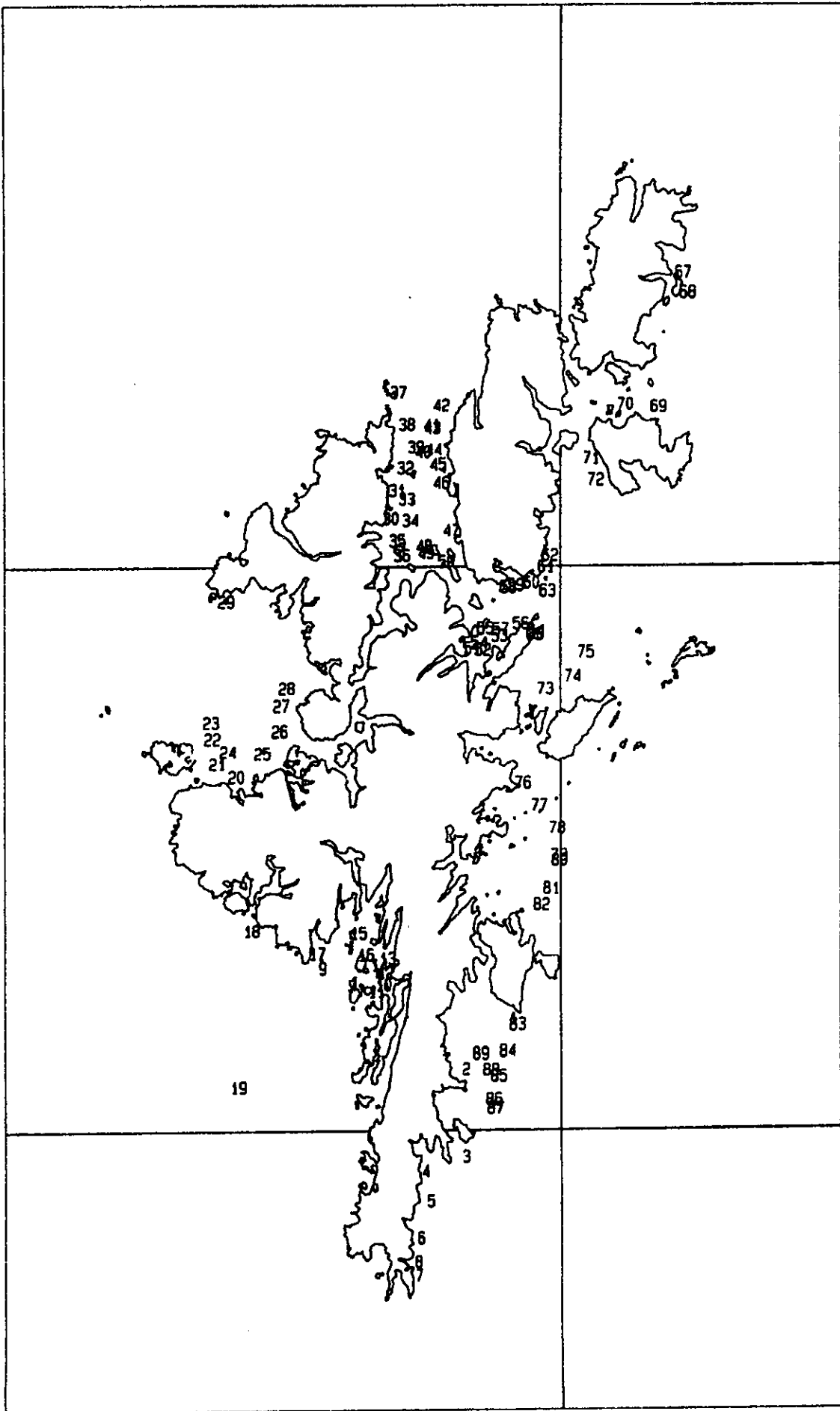
Total numbers of each bycatch species caught

Species	Numbers caught
<i>Anarhichas lupus</i>	1
<i>Buccinum undatum</i>	479
<i>Cancer pagurus M</i>	94
<i>Cancer pagurus F</i>	86
<i>Chlamys opercularis</i>	1,853
<i>Hippoglossoides platessoides</i>	1
<i>Limanda limanda</i>	8
<i>Lophius piscatorius</i>	349
<i>Microstomus kitt</i>	8
<i>Neptunea antiqua</i>	611
<i>Pleuronectes platessa</i>	17
<i>Raja clavata</i>	4
<i>Raja naevis</i>	45

1995 SHETLAND SCALLOP SURVEY

2 00W
61 00

1 00W



50

49

60 00

E8

E9

FIGURE 2. Length frequency by area

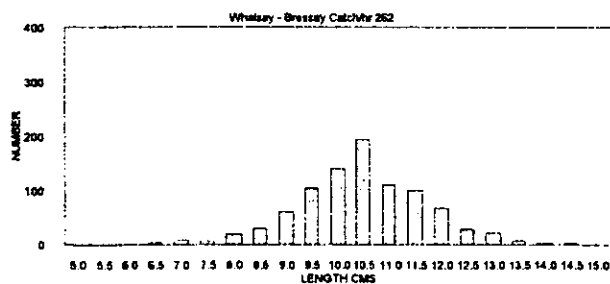
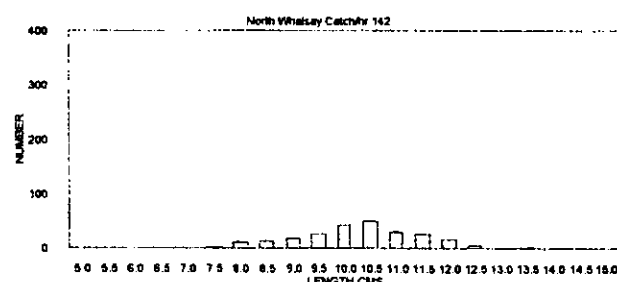
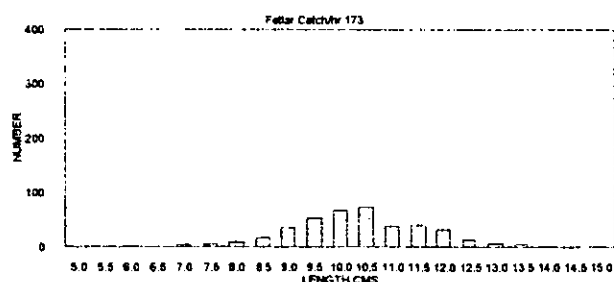
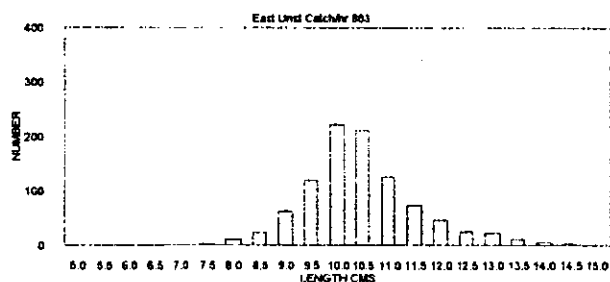
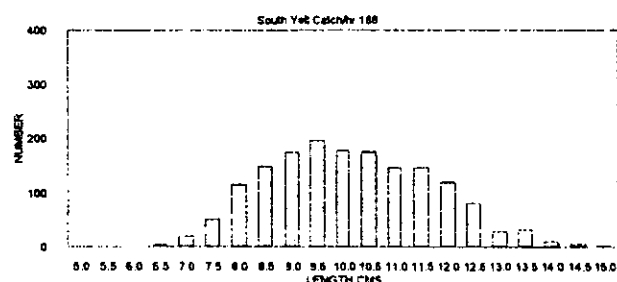
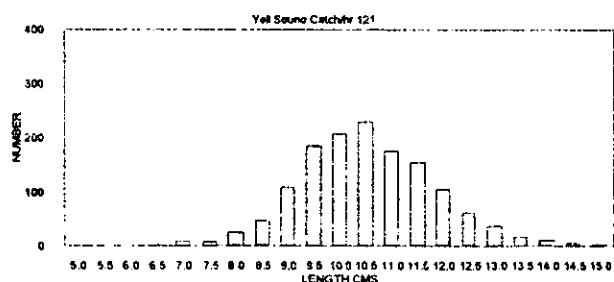
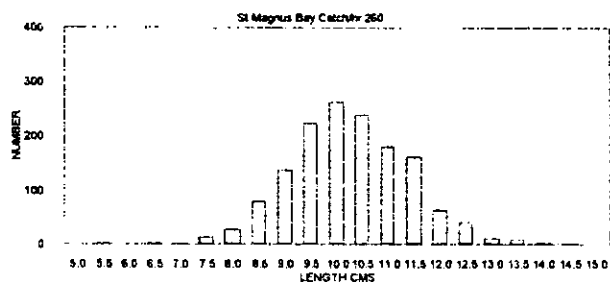
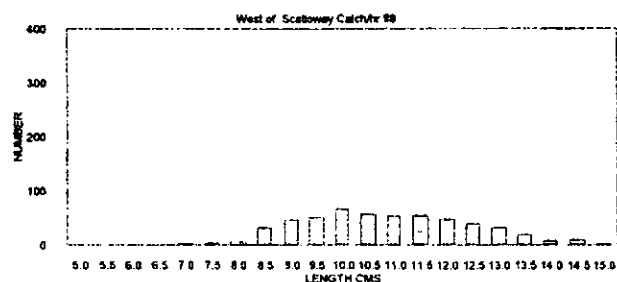
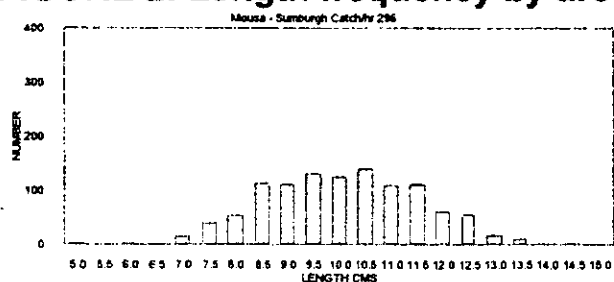
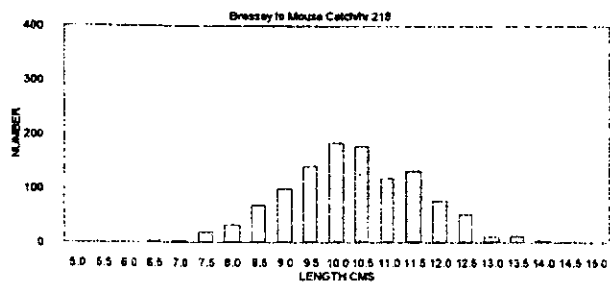


FIGURE 3. Age frequency by area

