

R1/3

Not to be cited without prior reference to the Marine Laboratory, Aberdeen

MV *Aora* (Charter Vessel)

Cruise 0295H

## REPORT

19 June - 7 July 1995

### Personnel

T Howell	HSO
C Chapman	PSO

### Objectives

1. To carry out a survey of scallops stocks on the west of Scotland.
2. To collect information on bycatches of other commercial fish and shellfish species.

**Out-time Costs per project: 20 days FBA1**

### Narrative

The scientific staff joined MV *Aora* at Largs at 1300 hours on 19 June. After loading *Aora* made for Campbeltown, rounding the Mull of Kintyre the following day. Sampling began on grounds adjacent to Sanda and continued on all the major grounds on the west coast and outer Hebrides following the pattern shown in Figure 1.

### Results

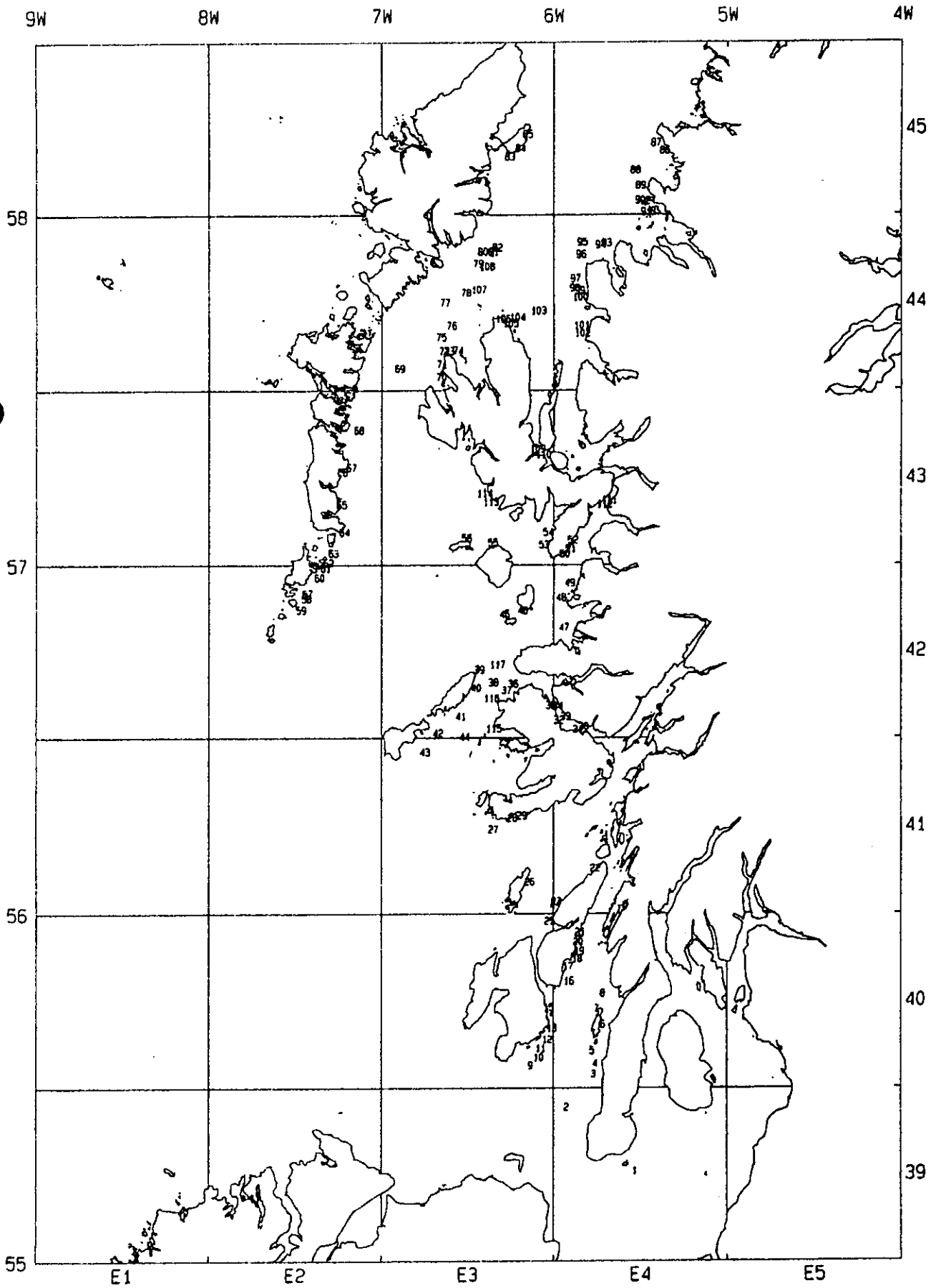
During the trip 117 scallop dredge hauls were made (three dredges per side) and a total of 11,496 scallops were caught. The position of each haul is shown on the map in Figure 1. Catch rates varied considerably from a minimum of 4/hr to a maximum of 518/hr. The length frequencies along with the mean catch rate for each statistical rectangle are as shown in Figure 2. The age frequencies are shown in Figure 3. The number and length distributions of all commercial fish and shellfish species forming the bycatch were recorded. The total numbers of each species caught is given in Table 1.

T Howell  
14 August 1995

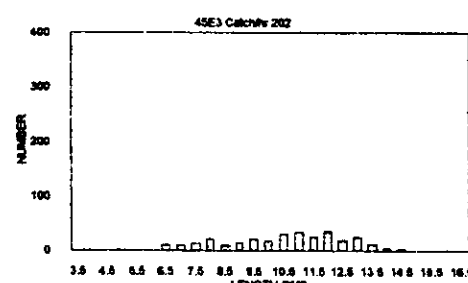
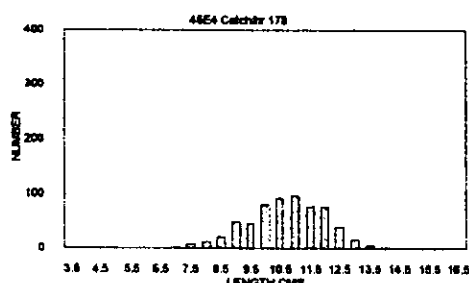
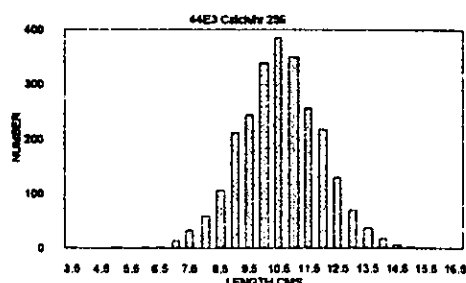
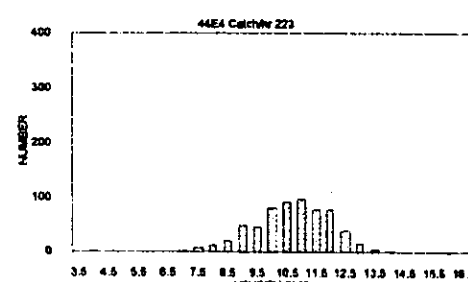
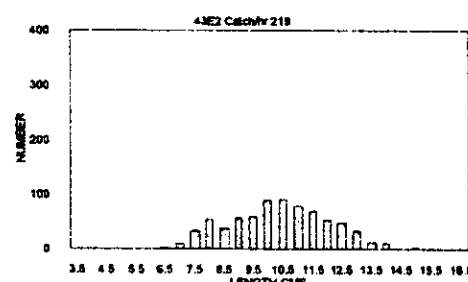
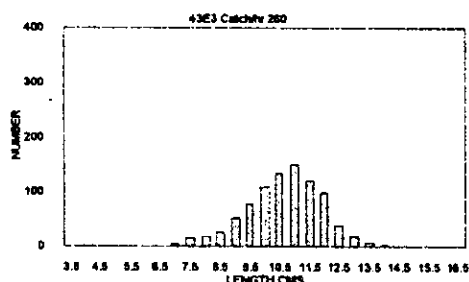
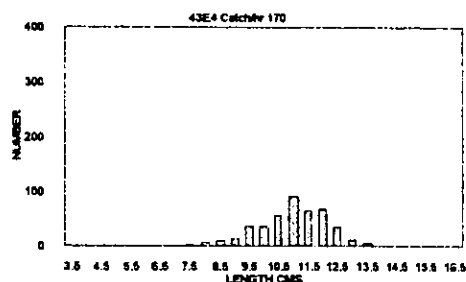
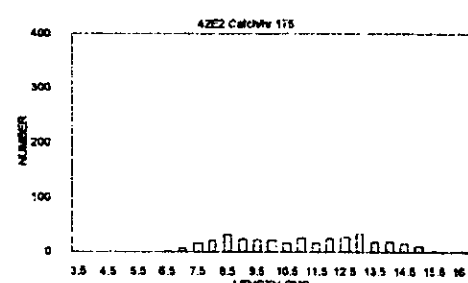
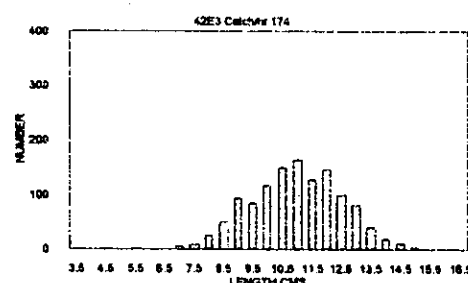
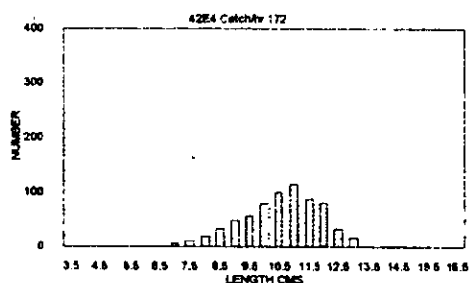
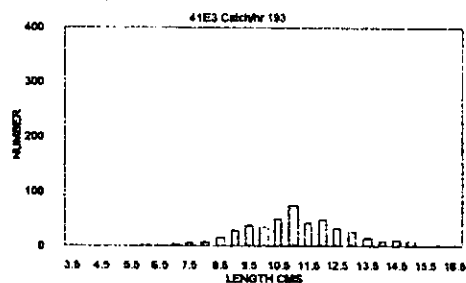
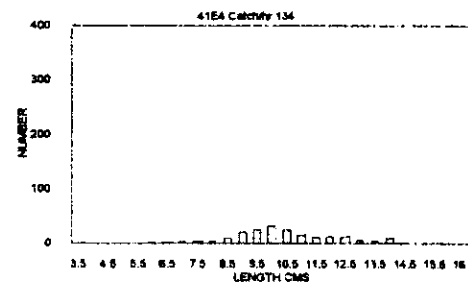
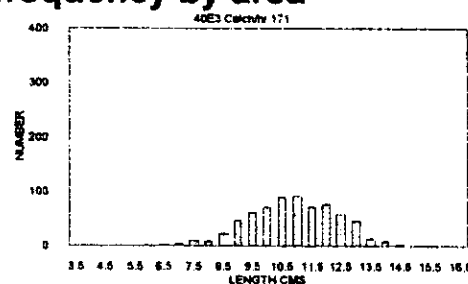
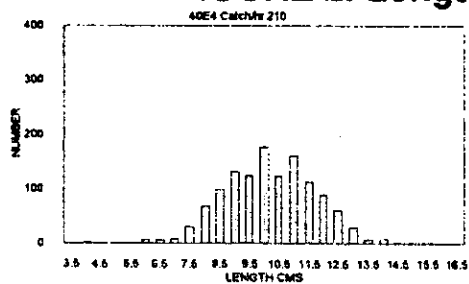
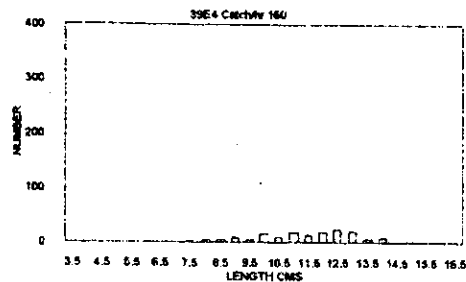
Table 1

Species	Total
<i>Buccinum undatum</i>	204
<i>Cancer pagurus F</i>	161
<i>Cancer pagurus M</i>	81
<i>Chlamys opercularis</i>	325
<i>Hippoglossoides platessoides</i>	2
<i>Lepidorhombus whiffiagonis</i>	1
<i>Lophius piscatorius</i>	467
<i>Microstomus kitt</i>	12
<i>Munida rugosa</i>	2
<i>Neptunea antiqua</i>	101
<i>Pleuronectes limanda</i>	4
<i>Pleuronectes platessa</i>	17
<i>Raja brachyura</i>	1
<i>Raja clavata</i>	3
<i>Raja montagui</i>	20
<i>Raja naevis</i>	53
<i>Scyliorhinus caniculus</i>	20
<i>Zeugopterus punctatus</i>	1

FIGURE 1. Haul positions



**FIGURE 2. Length frequency by area**



### FIGURE 3. Age frequency by area

