

R1/3

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

MV *Aora*

Cruise 0198H

REPORT

15 June - 3 July

Personnel

T Howell	HSO
J Donald	ASO

Objectives

1. To carry out a survey of scallops stocks on the West of Scotland.
2. To collect information on by-catches of other commercial fish and shellfish species.

Out-time costs per project: 20 days - MF0Zn

Narrative

The scientific staff joined MV *Aora* at Largs at 1330 hours on 16 June. After loading, *Aora* rounded the Mull of Kintyre and made for Campbeltown. Sampling began on grounds adjacent to Sanda and continued following the sequence shown in Figure 1. All the major grounds on the West coast and outer Hebrides were sampled. The scientific staff left the vessel at Oban on Wednesday 1 July. *Aora* then steamed back to Millport via the Mull of Kintyre.

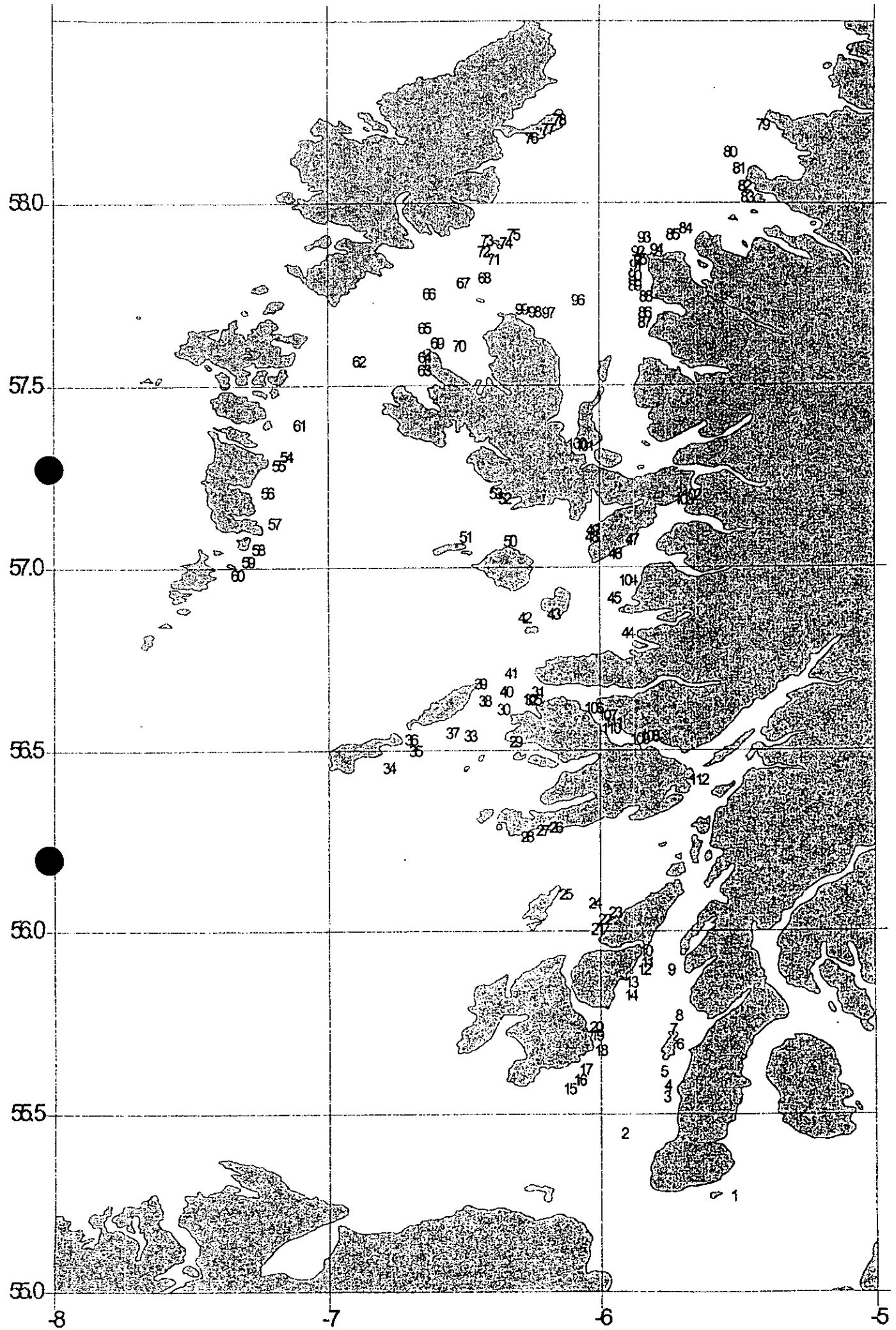
Results

During the trip 112 dredge hauls were made and a total of 11,561 scallops were caught. The position of each haul is shown on the map in Figure 1. Apart from one blank haul, catch rates varied from a minimum of 12/hr to a maximum of 738/hr. The aggregate catch rates for each statistical rectangle, expressed in numbers per hour per metre dredge width by age, are shown in Figure 2. The individual graph headings in Figure 2 show the overall catch rate for each statistical rectangle. The length frequencies in numbers caught per half centimetre length category are shown in Figure 3. The number and length distributions of by-catch of commercial fish and shellfish species were recorded. The total numbers of each species caught is given in Table 1.

T Howell
23 July 1998

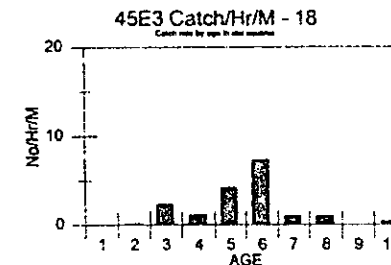
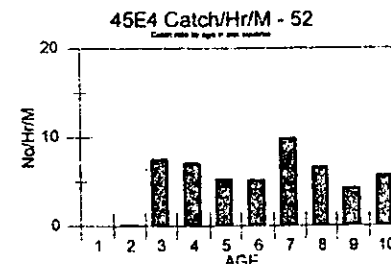
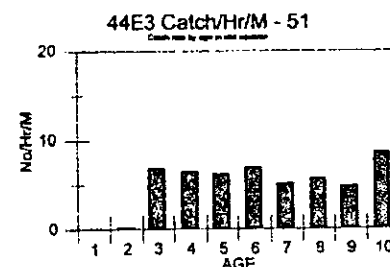
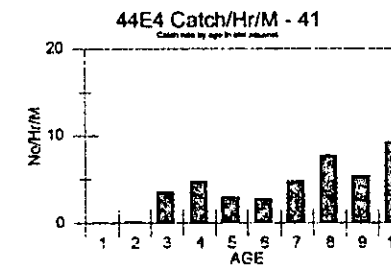
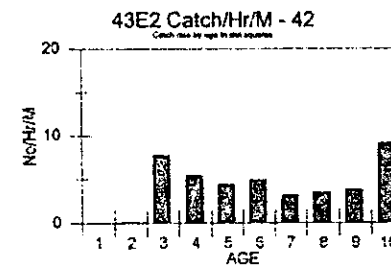
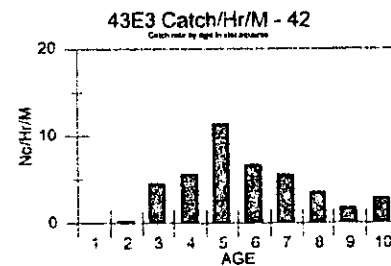
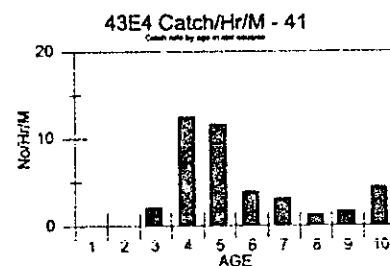
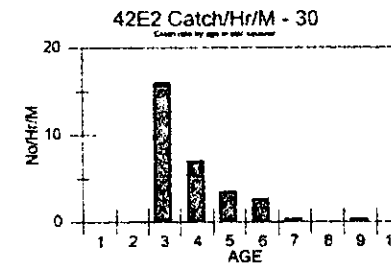
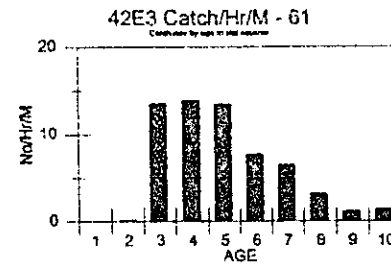
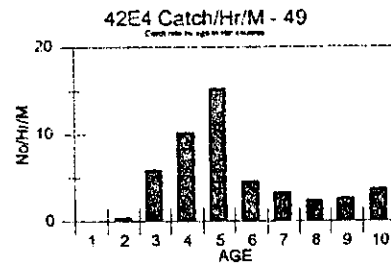
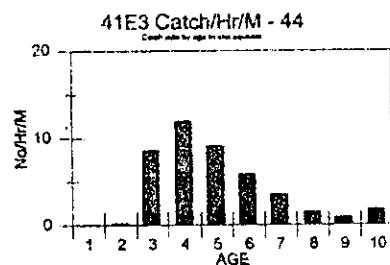
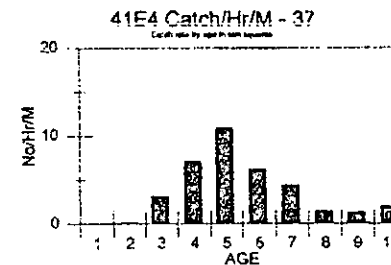
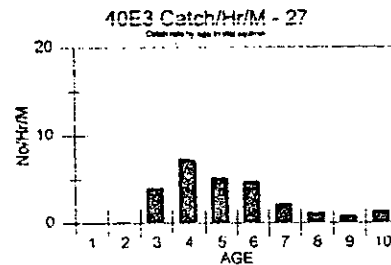
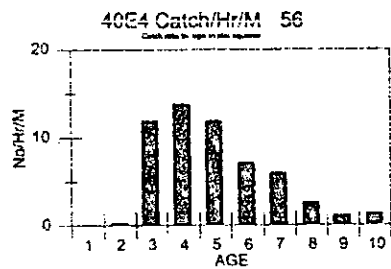
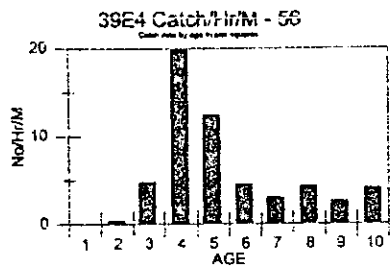
Table 1

Species	Nos
<i>Aspitrigla cuculus</i>	1
<i>Buccinum undatum</i>	147
<i>Buglossidium luteum</i>	1
<i>Cancer paguras</i> (m)	50
<i>Cancer paguras</i> (f)	135
<i>Chlamys opercularis</i>	179
<i>Limanda limanda</i>	2
<i>Lithodes maja</i> (m)	
<i>Lithodes maja</i> (f)	1
<i>Lophius piscatorius</i>	75
<i>Macropipus puber</i> (m)	4
<i>Microstomus kitt</i>	5
<i>Neptunea antiqua</i>	55
<i>Pleuronectes platessa</i>	12
<i>Raja clavata</i> (m)	2
<i>Raja clavata</i> (f)	1
<i>Raja montagui</i> (m)	
<i>Raja montagui</i> (f)	9
<i>Raja naevus</i> (m)	10
<i>Raja naevus</i> (f)	15
<i>Scyliorhinus canicula</i> (m)	3
<i>Scyliorhinus canicula</i> (f)	2
<i>Zeugopterus punctatus</i>	1
<i>Zeus faber</i>	1



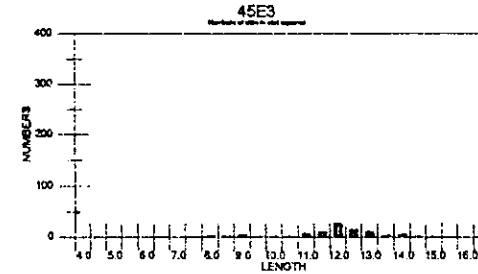
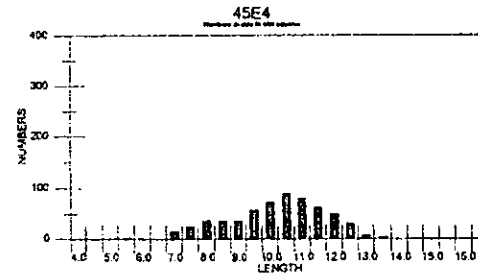
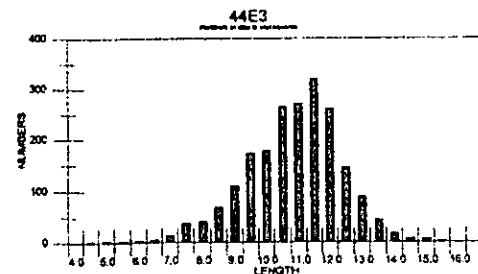
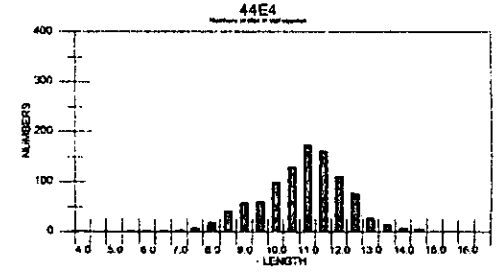
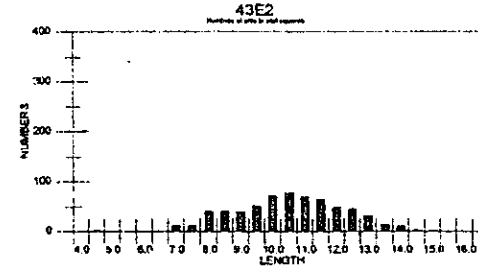
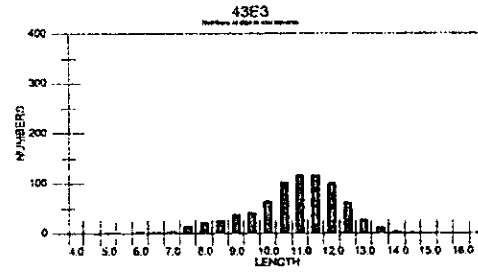
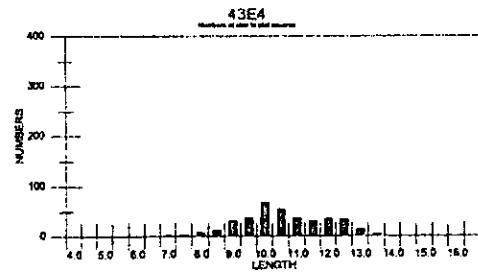
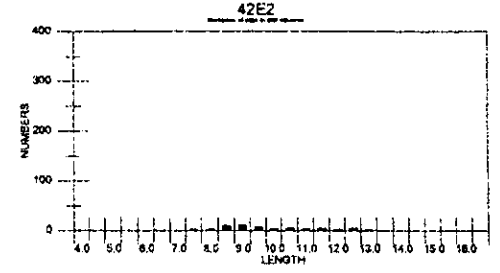
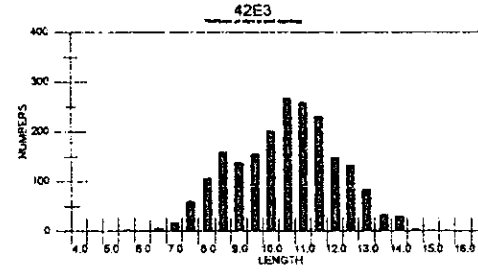
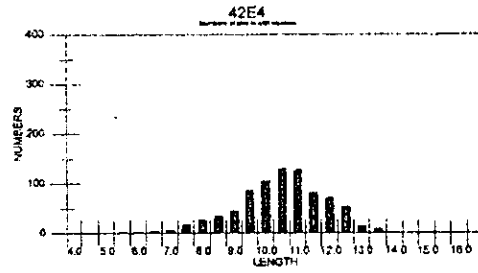
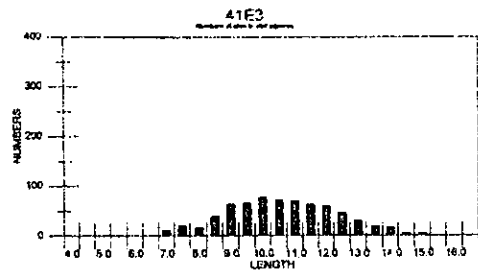
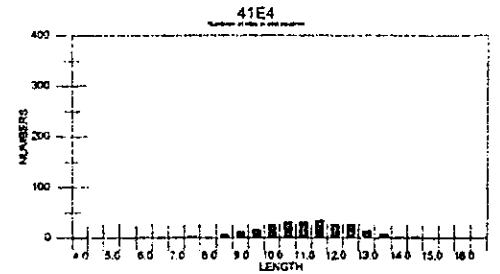
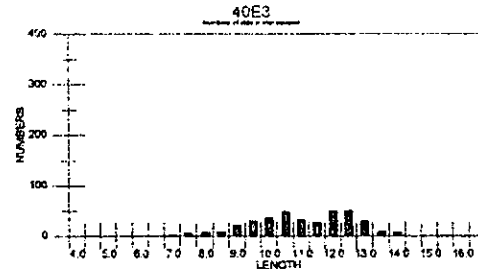
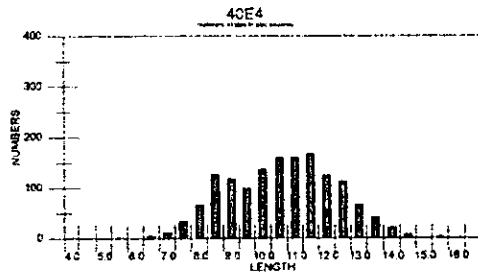
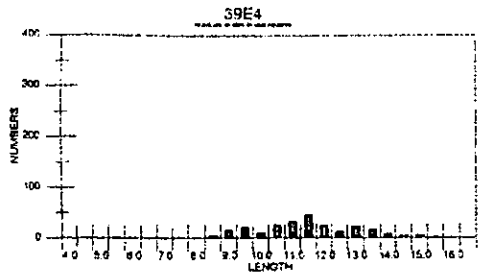
West Coast Scallop Survey 1997

Catch rate by age in stat squares



West Coast Scallop Survey 1997

Numbers at size in stat squares



2000