

R1/3

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

FRV *Clupea*

Cruise 0907C

REPORT

18 June – 7 July 2007

Ports

Loading: 15 June, Fraserburgh

Half Landing: 28 June Fraserburgh

Unloading: 7 July, Fraserburgh

Personnel

*T Howell In charge (18-28 June)^

S Davis In charge (29 June – 7 July)^

N Brown

^Dates dependent on half-landing

Fishing Gear: Scallop dredges

Costs to Project: 20 days MO1TA

Objectives

1. To carry out a survey of scallop stocks in the North Sea.
2. To collect information on by-catches of other commercial fish and shellfish species.
3. To collect biological data on scallop ring measurements.

Narrative

The scientific staff joined FRV *Clupea* at 1000 hours on 18 June and sailed from Fraserburgh at just before midday. Sampling began to the East of Fraserburgh shortly afterwards and *Clupea* continued to cover the East coast management area grounds over the following 6 days. The survey then went on to cover the North East management area until the half landing on 28 June. The survey recommenced on the 29 June with *Clupea* returning to the North East management area grounds. On 6 July *Clupea* returned to Fraserburgh completing the cruise.

Results

During the trip 123 dredge hauls were made and a total of 6548 scallops were caught. The position of each haul is shown in Figure 1. Catch rates varied from a minimum of 0.hr.m to a maximum of 116.hr.m. The aggregate catch rates for each statistical rectangle, expressed in numbers per hour per metre 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 individual graph headings in Figure 3 show the percentage of scallops less than 100 mm for each statistical rectangle. The numbers of each by-catch species caught is given in Table 1.

T Howell
28 January 2008

Table 1

Species	Numbers
<i>Aequipecten opercularis</i>	306
<i>Aritica Islanica</i>	4
<i>Buccinum undatum</i>	91
<i>Callionymus lyra</i>	2
<i>Cancer pagurus B</i>	4
<i>Cancer pagurus F</i>	62
<i>Cancer pagurus M</i>	51
<i>Hippoglossoides paeltssoides</i>	4
<i>Homarus gammaus M</i>	1
<i>Limanda limanda</i>	9
<i>Lithodes maja B</i>	10
<i>Lithodes maja F</i>	3
<i>Lithodes maja M</i>	2
<i>Lophius piscatorius</i>	52
<i>Microstomus kitt</i>	10
<i>Myoxocephalus scorpius</i>	10
<i>Necora puber B</i>	6
<i>Necora puber F</i>	10
<i>Necora puber M</i>	15
<i>Neptunea antiqua</i>	215
<i>Phrynorhombus norvegicus</i>	2
<i>Pleuronectes platessa</i>	45
<i>Raja batis M</i>	1
<i>Raja naevus F</i>	14
<i>Raja naevus M</i>	11
<i>Scyliorhinus canicula</i>	1

Figure 1 East Coast Scallop Survey 2007

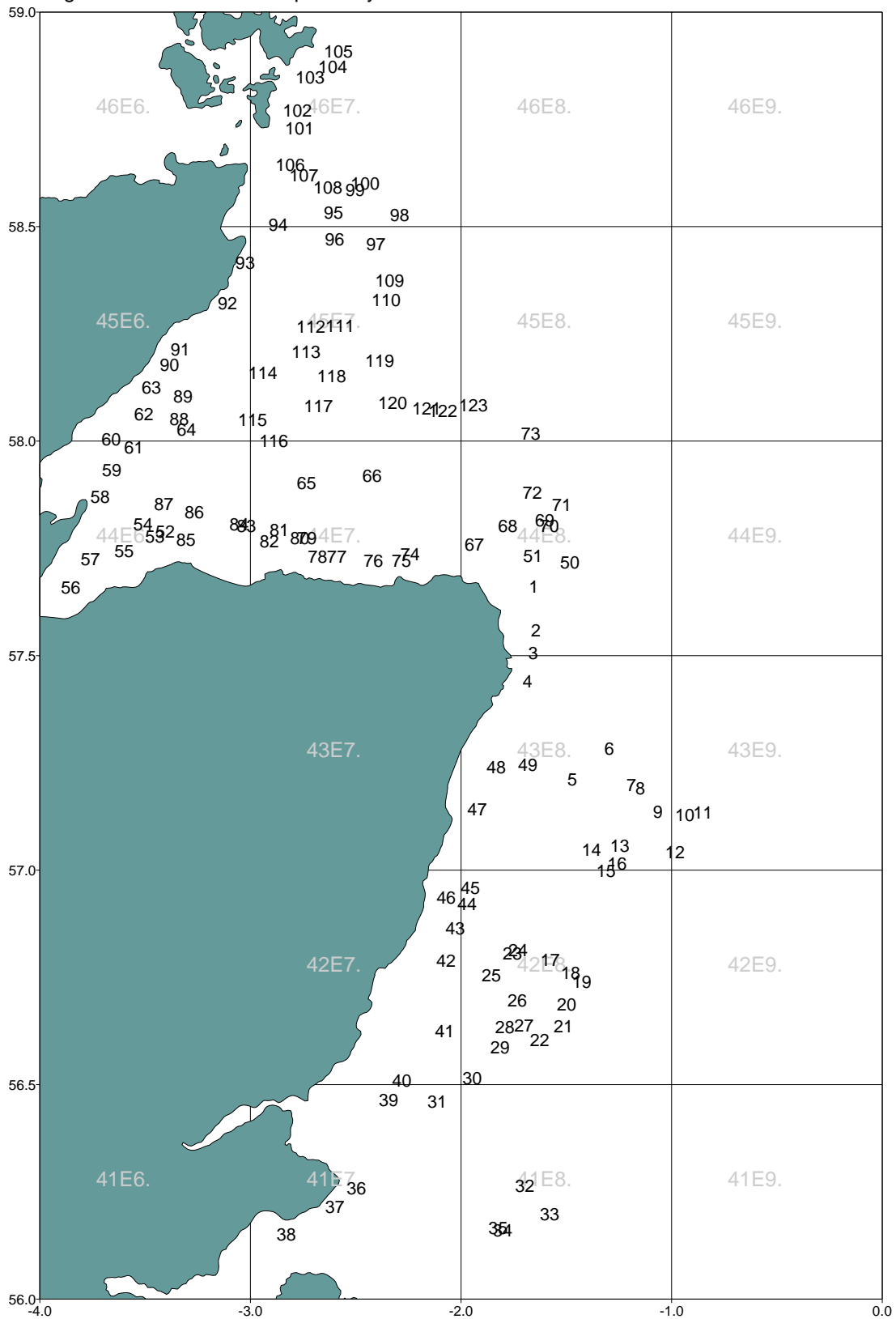


Figure 2

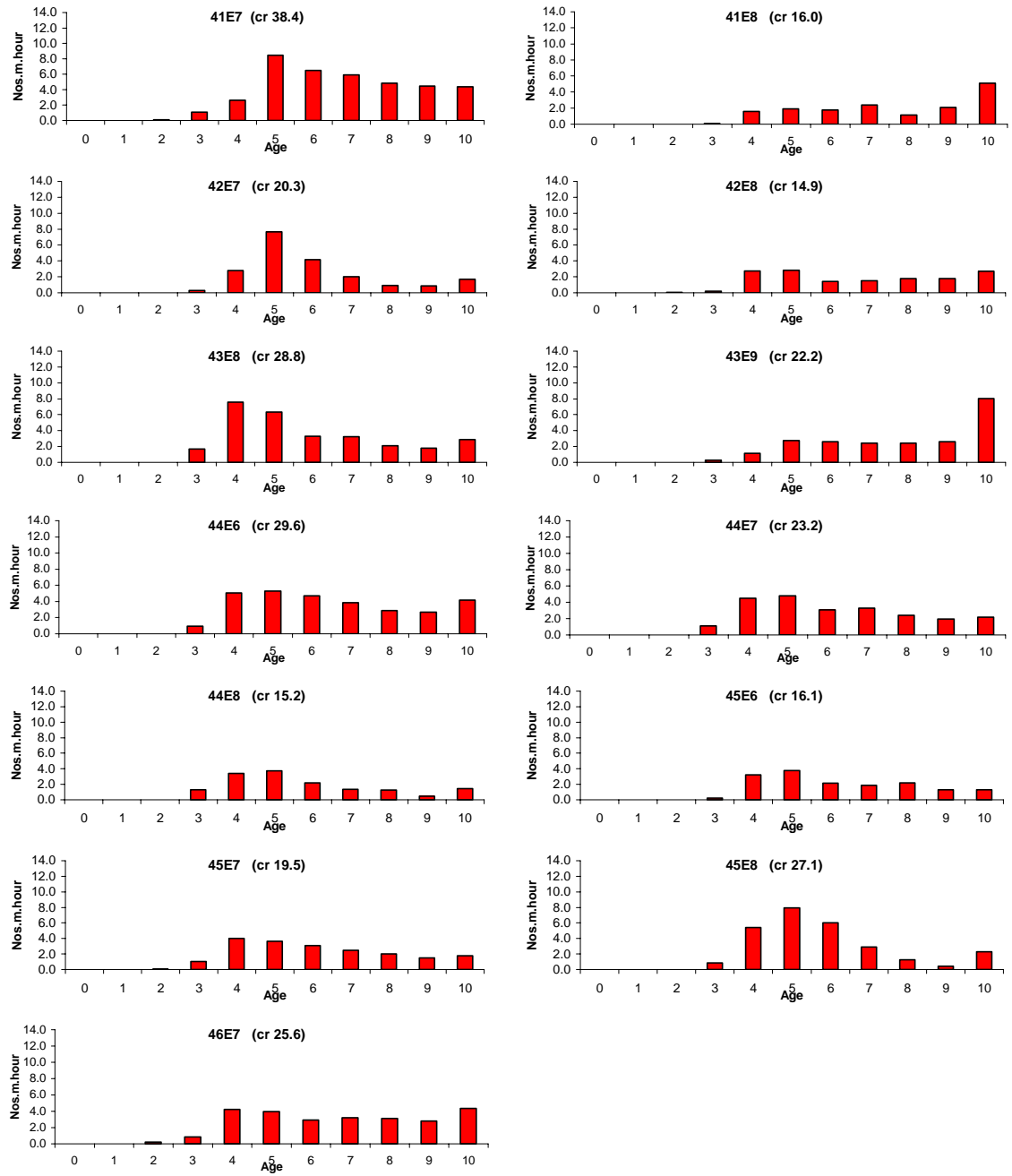


Figure 3

