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

FRV *Clupea*

Cruise 1102C

REPORT

15 July - 2 August 2002

PORTS

Loading: 11 July, Fraserburgh

Unloading: 2 July, Fraserburgh

Half-landing: 24 June, Fraserburgh

Personnel

T Howell (In charge) 24 July-2 August

S Davis (In charge) 15-24 July

J Donald

Fishing Gear: Scallop Dredges

Out-turn cost to project: 20 days, MF01ta

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 component tissue weights.
4. To collect samples for pollution analysis.

Narrative

The scientific staff joined FRV *Clupea* at 0900 hours on 15 June and sailed from Fraserburgh at 1130 hours. Sampling began NE of Fraserburgh and proceeded south to Fife over the next five days. On completion of the east coast grounds the vessels sailed to the Moray Firth where sampling continued until the vessel sailed to Fraserburgh for the half-landing on the evening of 23 July. A change of scientific staff took place on 24 June. The vessel returned to the Moray Firth where the standard survey survey tows completed. A localised stratified random survey of an area to the north east of Tarbat Ness was carried out and additional exploratory tows. The vessel returned to Fraserburgh at 1430 hours on 2 August and scientific staff returned to the laboratory with all equipment and samples. *Clupea* unloaded all heavy fishing gear on 7 August.

Results

During the trip 141 dredge hauls were made and a total of 6,980 scallops were caught. The position of each haul is shown on the map in Figure 1. Catch rates varied from a minimum of 0/hr to a maximum of 428/hr. The aggregate catch rates for each statistical rectangle, expressed in numbers per hour per metre width 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 numbers of each by-catch species caught is given in Table 1. Meat weight samples are shown by boxes on Figure 1. The localised stratified random survey results will be reported on at a later date.

T Howell/S Davis
14 August 2002

Seen in draft: A Simpson, OIC *Clupea*

East Coast Scallop Survey 2002

Number at Age by Statistical Rectangle

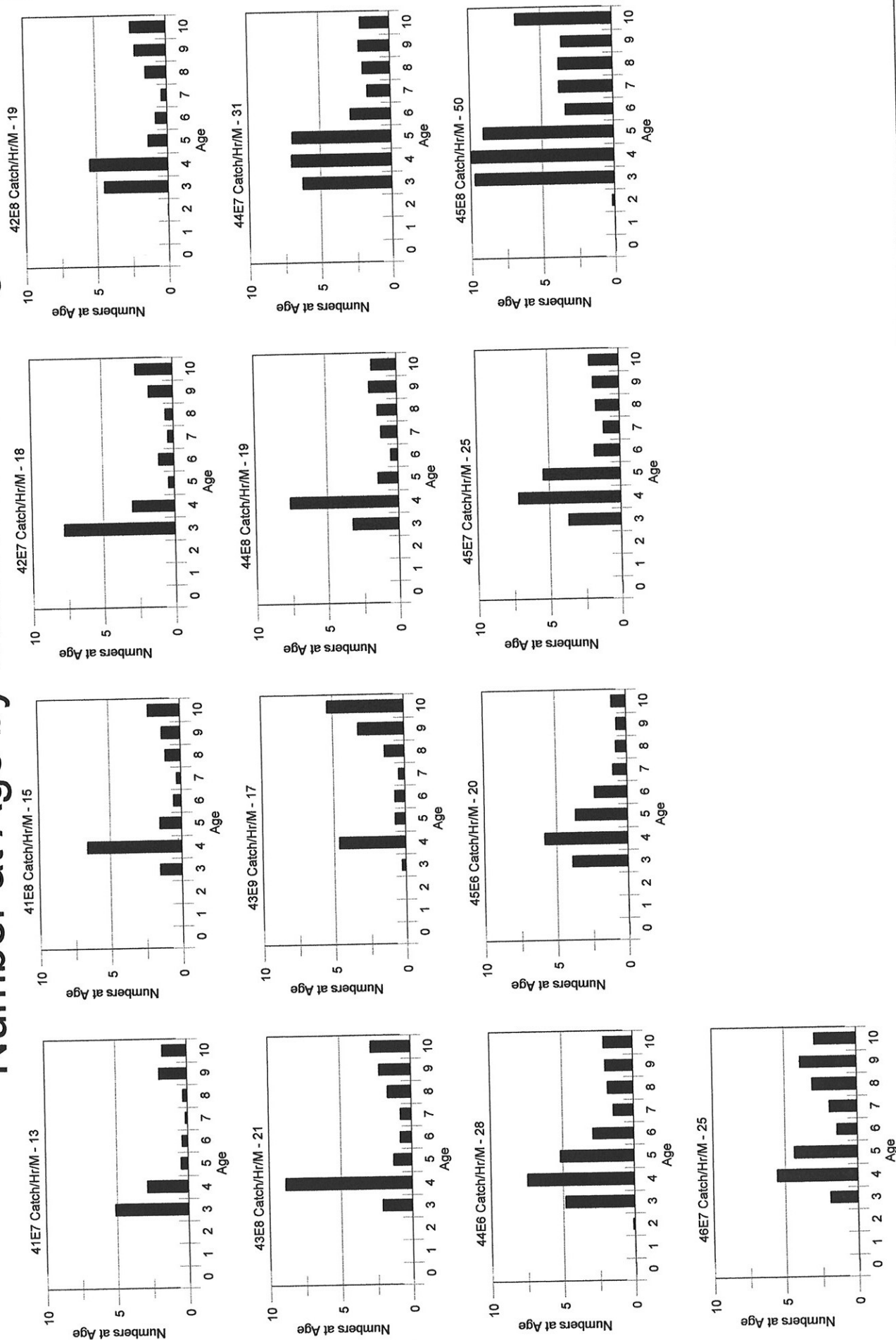


Figure 3.

East Coast Scallop Survey 2002

No. at Length by Statistical Rectangle

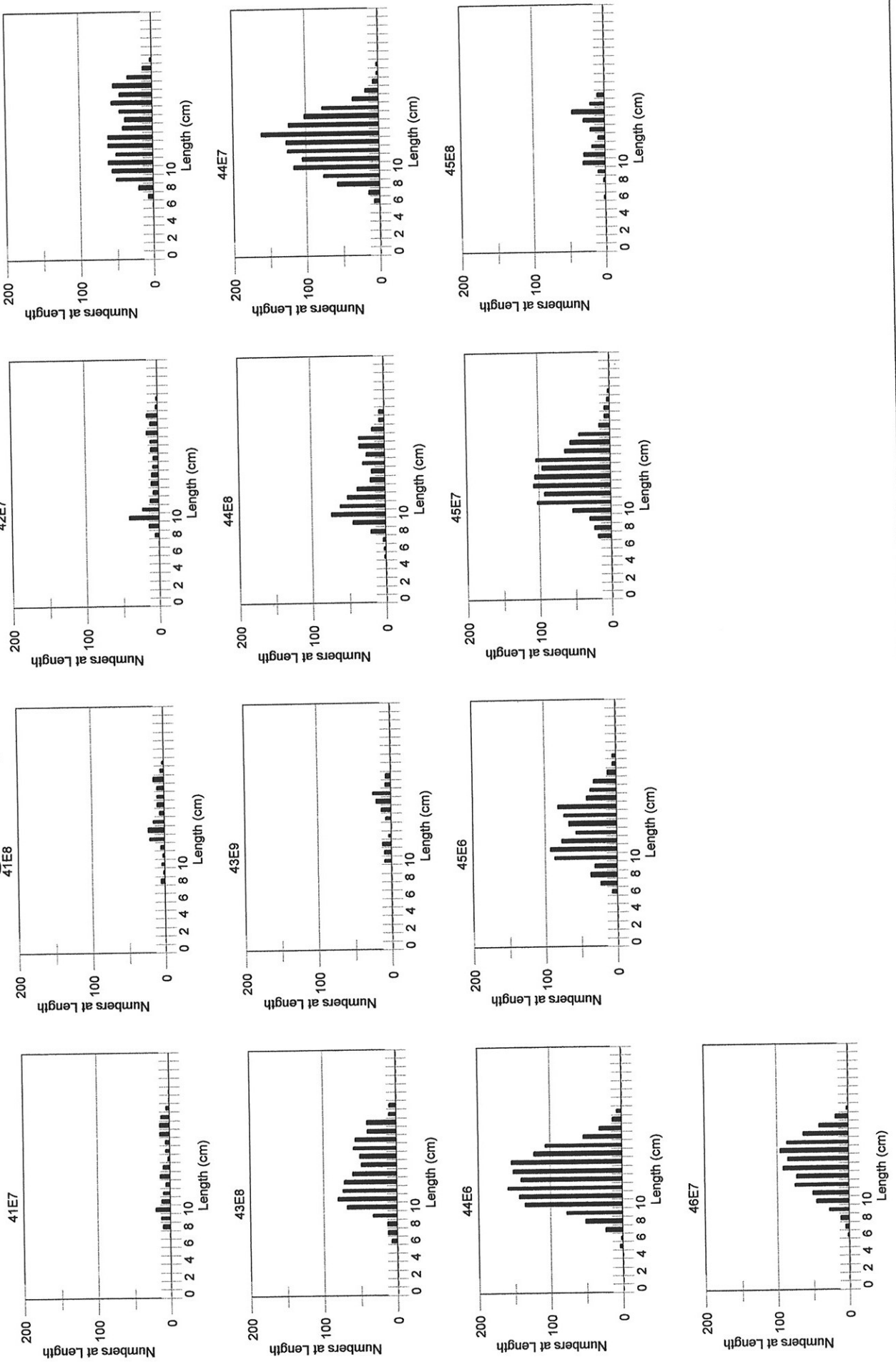


Figure 1.

East Coast Scallop Survey 2002

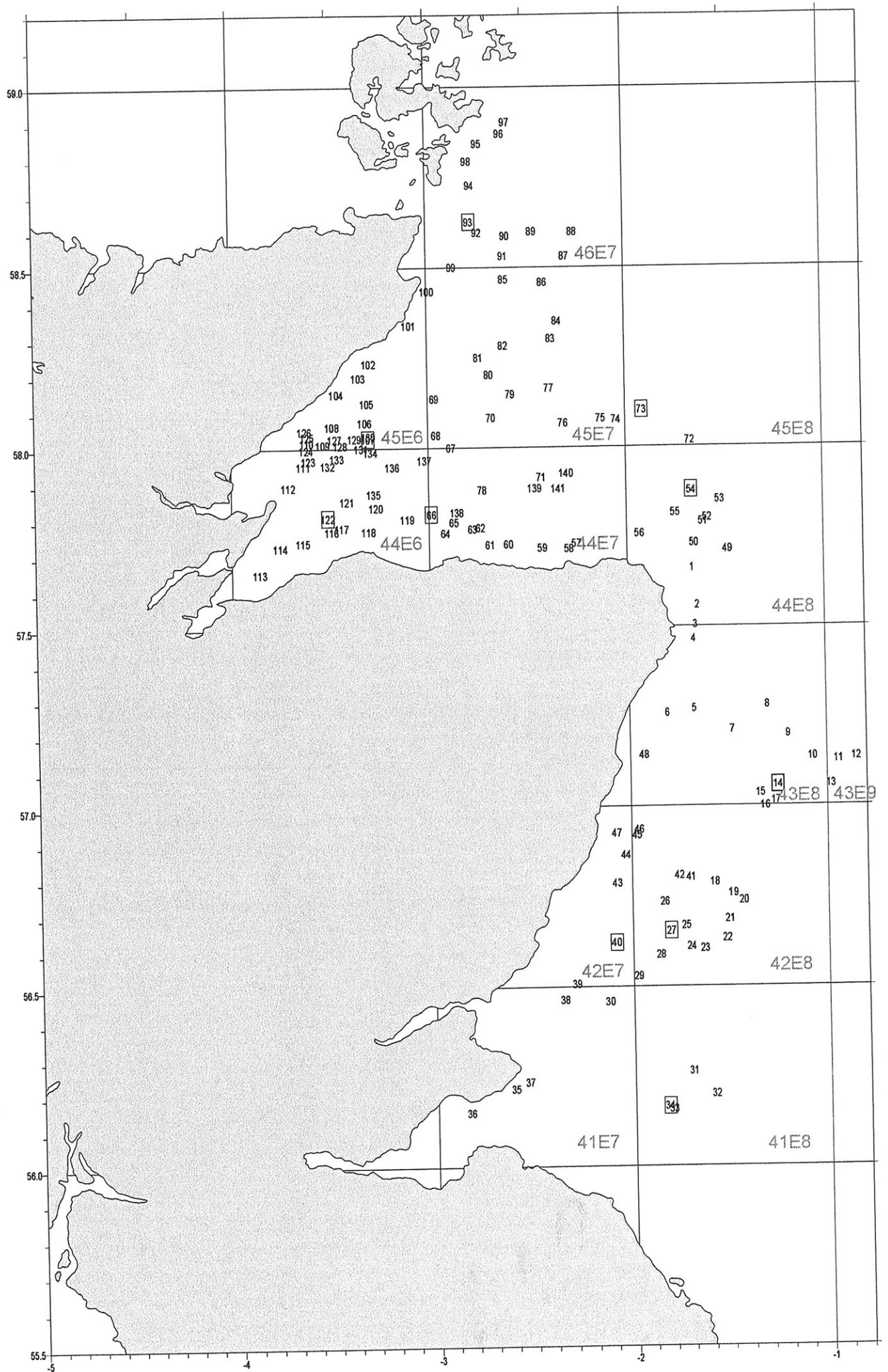


Table 1.

Species	Numbers caught
Aequipecten opercularis	683
Buccinum undatum	104
Cancer pagurus M	37
Cancer pagurus F	89
Homarus gammarus F	1
Limanda limanda	20
Lithodes maja M	44
Lithodes maja F	47
Lophius piscatorius	113
Melanogrammus aeglefinus	1
Merlangius merlangus	1
Microstomus kitt	26
Munida rugosa M	1
Necora puber M	6
Necora puber F	7
Neptunea antiqua	380
Pleuronectes platessa	95
Raja clavata M	1
Raja clavata F	2
Raja naevus M	38
Raja naevus F	32