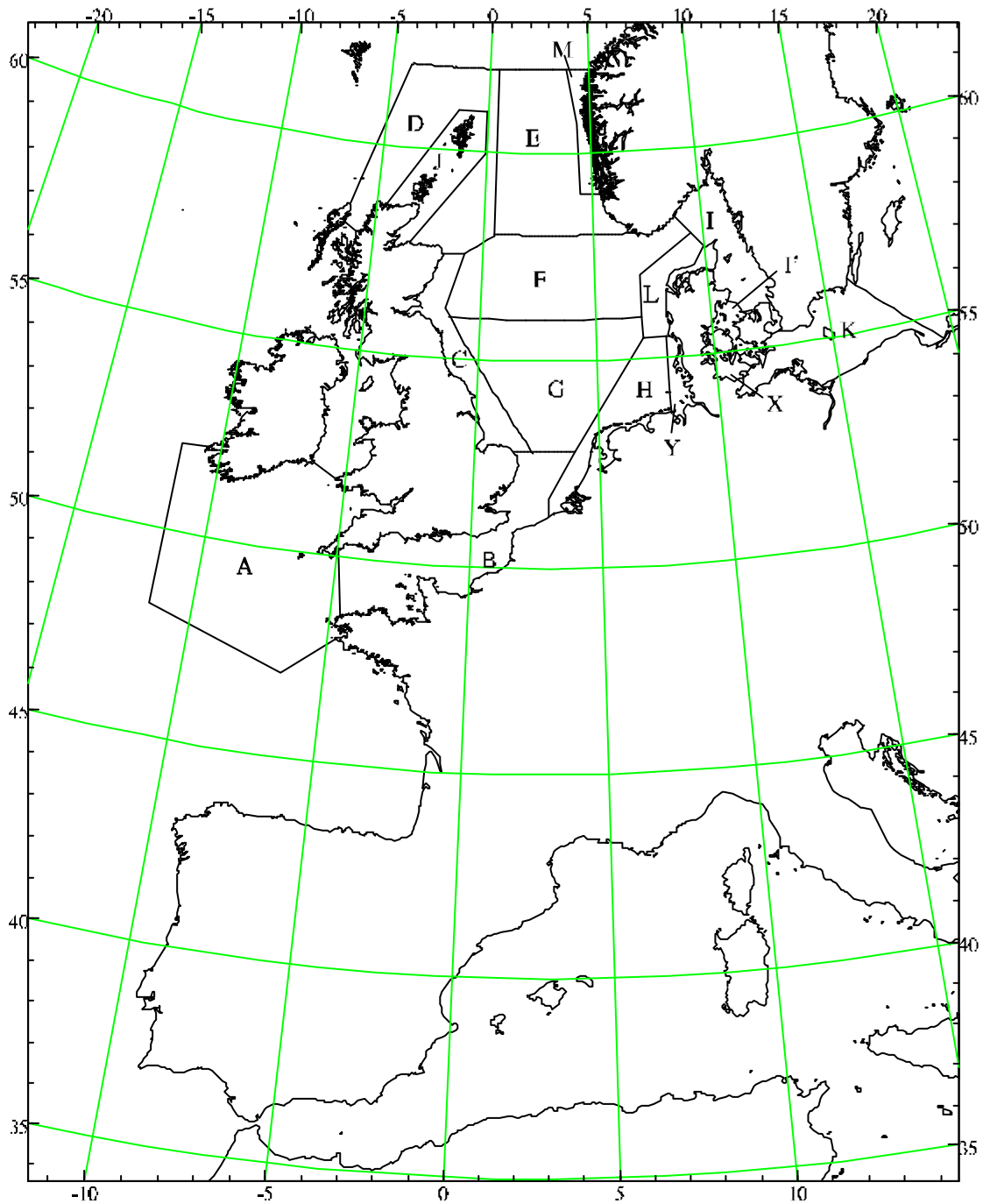# APPENDIX VIII

Abundance estimates as recorded by SCANS

"SCANS survey area. Blocks A – I were surveyed by ship. Blocks I', J-M, X and Y were surveyed by aircraft."

"Estimates of school abundance, mean school size, animal abundance and animal density for harbour porpoises. Abundance estimates were not calculated for block K because insufficient data were collected. Aerial subtotals and totals in the final row do not include block I' which was a subset of block I. Figures in round brackets are coefficients of variation calculated using the log-based method of Burnham *et al*. (1987) rounded to the nearest thousand." Reproduced from Hammond *et al* (1995).

Block	School abundance	Mean school size	Animal abundance	Animal density (animals.km^{-2})
A	22,050 (0.58)	1.64 (0.09)	36,280 (0.57)	0.180 (0.57)
B	0	0	0	0
C	10,255 (0.19)	1.65 (0.07)	16,939 (0.18)	0.387 (0.18)
D	26,154 (0.27)	1.42 (0.07)	37,144 (0.25)	0.363 (0.25)
E	20,658 (0.54)	1.52 (0.24)	31,419 (0.49)	0.288 (0.49)
F	63,542 (0.26)	1.46 (0.04)	92,340 (0.25)	0.776 (0.25)
G	26,685 (0.36)	1.45 (0.10)	38,616 (0.34)	0.340 (0.34)
H	2,850 (0.35)	1.48 (0.14)	4,211 (0.29)	0.095 (0.29)
I	24,677 (0.35)	1.46 (0.06)	36,046 (0.34)	0.725 (0.34)
Subtotal	**196,898 (0.17)**	**1.49 (0.04)**	**292,995 (0.16)**	**-**
I'	4,385 (0.25)	1.20 (0.03)	5,262 (0.25)	0.644 (0.25)
J	21,535 (0.33)	1.13 (0.08)	24,335 (0.34)	0.783 (0.34)
L	7,327 (0.46)	1.62 (0.08)	11,870 (0.47)	0.653 (0.47)
M	4,497 (0.26)	1.26 (0.08)	5,666 (0.27)	0.450 (0.27)
X	392 (0.46)	1.50 (0.15)	588 (0.48)	0.101 (0.48)
Y	4,077 (0.26)	1.45 (0.10)	5,912 (0.27)	0.812 (0.27)
Subtotal*	37,828 (0.21)	-	48,371 (0.30)	-
Total*	**234,726 (0.13) [182,000 – 303,000]**	**-**	**341,366 (0.14) [260,000 – 449,000]**	**-**

* aerial subtotal and total do not include block I', which was a subset of block I.