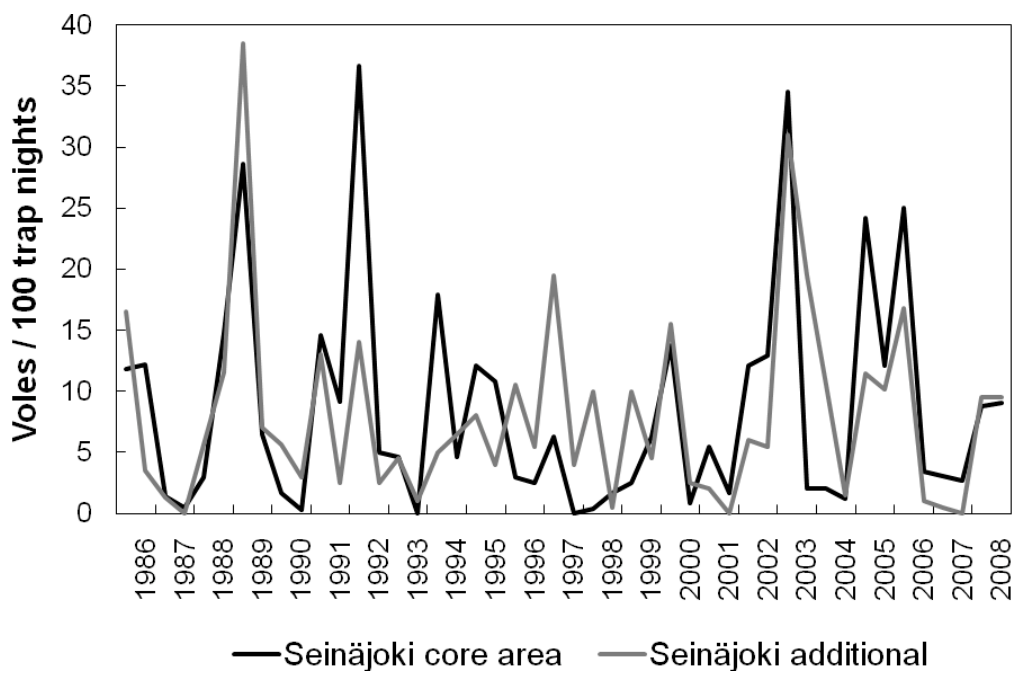
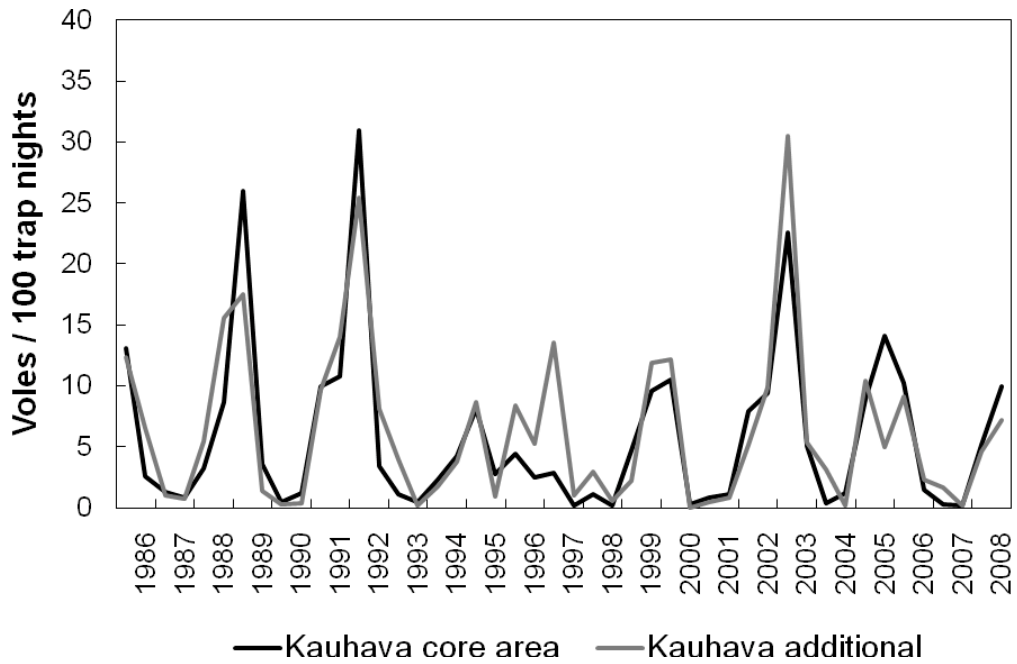


Supplementary material

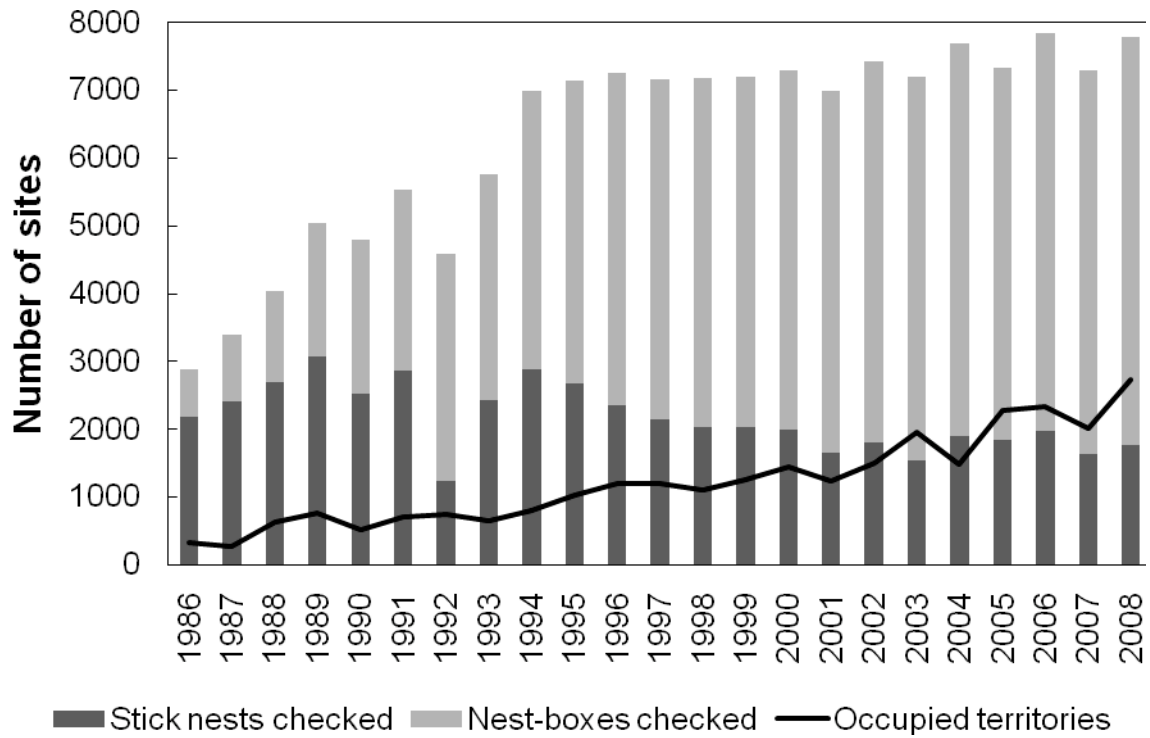
APPENDIX 1.

Pooled bi-annual (spring and autumn) abundance estimates (ind. trapped per 100 trap nights) of voles of the genera *Microtus* and *Myodes* in the Kauhava (upper panel) and Seinäjoki (lower panel) main study areas. Black lines represent core areas and grey lines adjacent areas.



APPENDIX 2.

The number of nest-boxes and stick nests suitable for kestrels inspected during the study period (1986-2008) within 200 km from the study areas. Number of occupied sites equals ringed broods and additional sites from the “raptor questionnaire” data.



APPENDIX 3.

Detection probabilities (p^j) for male (upper panel) and female (lower panel) kestrels dispersing from the main study areas. Mean values of 23 years (1986-2008) with 95 % confidence limits are shown for each distance band. Confidence limits for the mean are calculated from yearly values.

