

Habitat use by the Vulnerable greater spotted eagle *Aquila clanga* interbreeding with the lesser spotted eagle *Aquila pomarina* in Estonia

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Appendix

Variable means ($\pm 95\%$ confidence intervals, CI) at the home range and nest site scales and the correlations of the variables with the principal components in random plots. See Table 1 for sample sizes.

Variable	Mean $\pm 95\%$ CI	Correlation coefficient with principal components*
Home range scale		
% forest within 2 km	55.6 \pm 7.1	independent variable
% open natural land within 2 km	15.8 \pm 7.4	independent variable
Landscape heterogeneity	4.1 \pm 0.8	independent variable
Distance (m) to nearest:		
Forest edge	109 \pm 43	(D1)–0.74
Field or meadow	268 \pm 170	(D1)–0.90
House	673 \pm 159	(D1)–0.87
Road	624 \pm 170	(D1)–0.63
Water body	843 \pm 295	independent variable
Nest site scale		
% Scots pine <i>Pinus sylvestris</i>	6.8 \pm 6.5	independent variable
% Norway spruce <i>Picea abies</i>	21.4 \pm 10.8	(S1) 0.65
% aspen <i>Populus tremula</i>	11.4 \pm 8.4	
% black alder <i>Alnus glutinosa</i>	15.7 \pm 8.6	(S2) 0.67
% grey alder <i>Alnus incana</i>	8.2 \pm 7.5	(S2)–0.59
% birch <i>Betula</i> spp.	31.4 \pm 11.0	(S1)–0.55; (S2) 0.49
Stand age (years)	67.5 \pm 7.1	(S1) 0.74; (S2) 0.50
Old-growth structure (scale of 4–12)	8.1 \pm 0.8	independent variable
Tree height (m)	22.3 \pm 1.2	(S1) 0.52
Tree diameter at breast height (cm)	31.7 \pm 2.5	(S1) 0.83; (S2) 0.34
Soil moisture class (scale of 1–4)	3.1 \pm 0.3	(S2)–0.52; (S2) 0.42
Canopy closure (scale of 0–1)	0.7 \pm 0.1	independent variable

*The principal components were extracted separately for the distances (D1) and forest (S1, S2) characteristics. Prior to the extraction, distance to road was square-root transformed, other distances log-transformed, and proportions arcsine-square-root transformed. Weak correlations ($r = -0.3$ – 0.3) are not shown. In the text and Tables 2–3 the principal component D1 is referred to as 'fragmentation, and S1 and S2 as 'large spruce' and 'alder swamp', respectively.