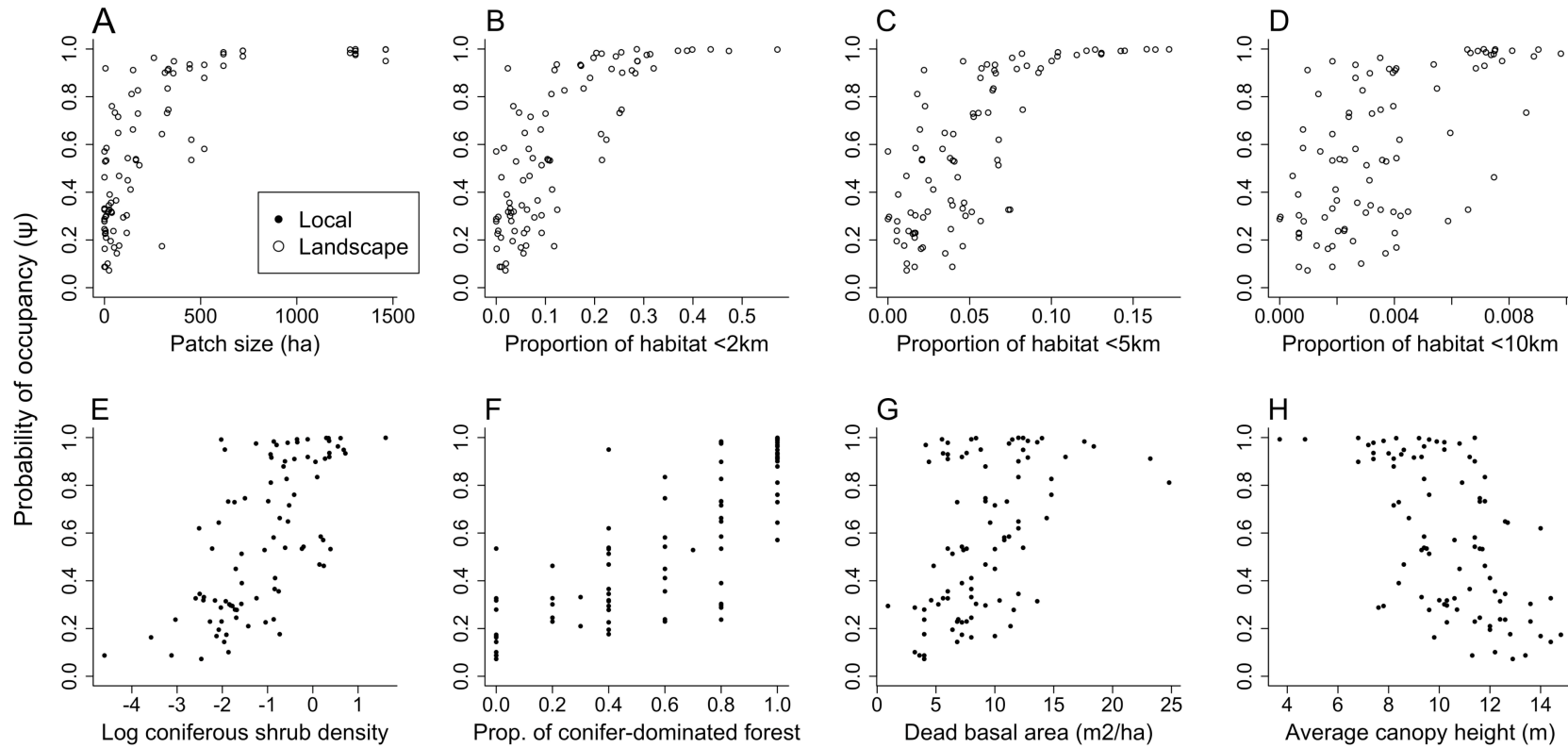


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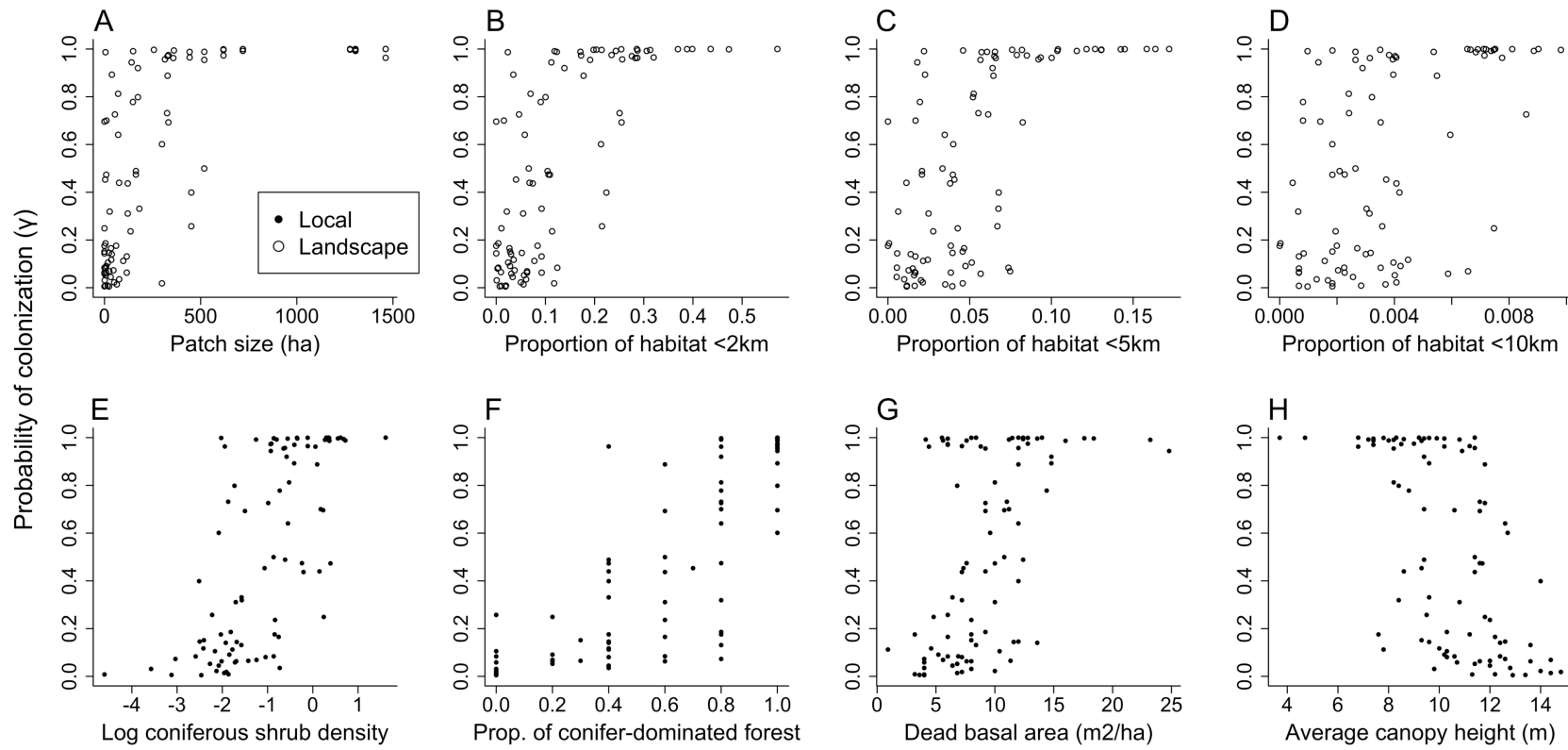
E6936

Frey, S. J. K., Strong, A. M. and McFarland, K. P. 2011. The relative contribution of local habitat and landscape context to metapopulation processes: a dynamic occupancy modeling approach. – *Ecography* 34: xxx–xxx.

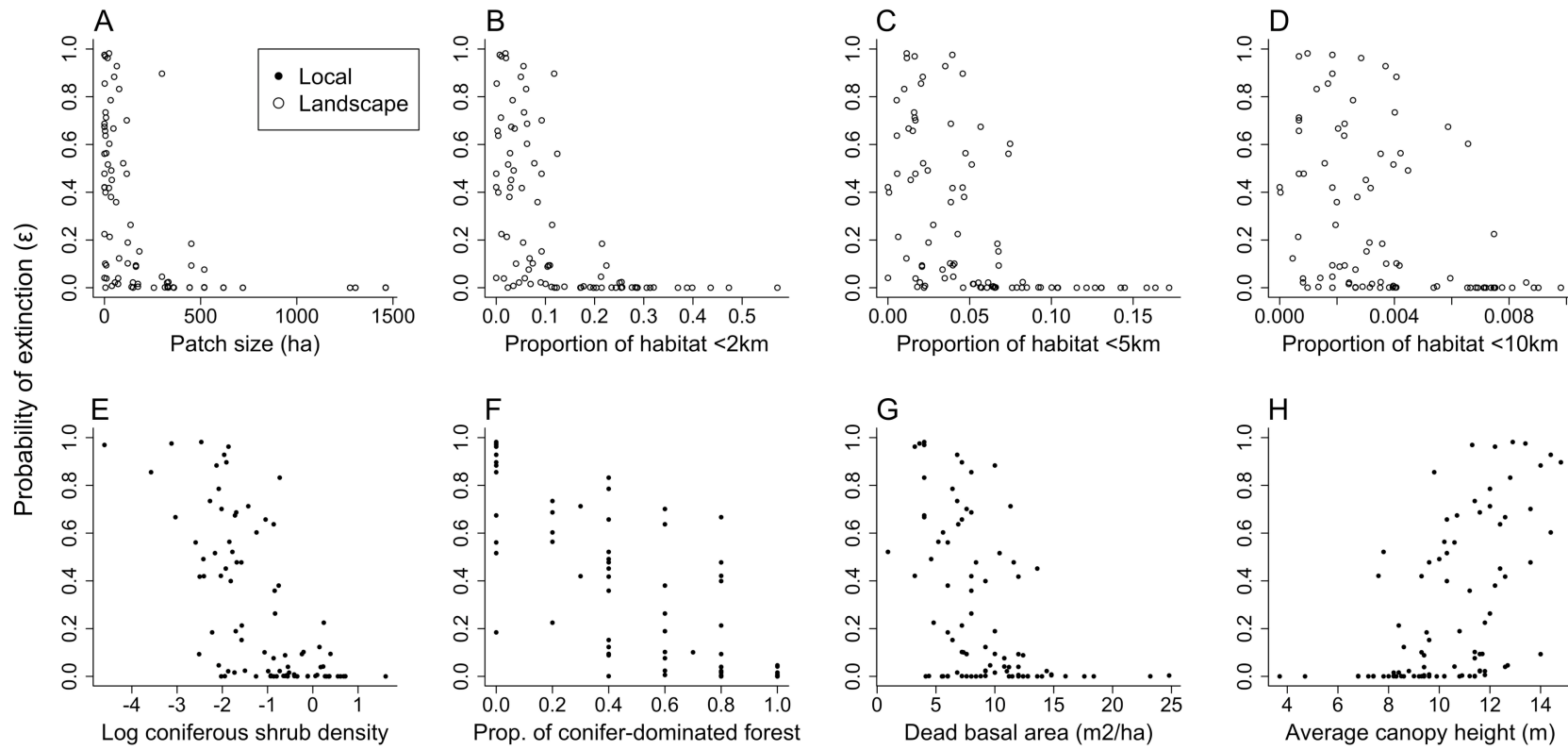
Supplementary material



Appendix 1. Estimated probability of initial site occupancy (ψ) as a function of a site's individual landscape variables (A-D, open circles) and local habitat variables (E-H, filled circles) for Bicknell's Thrush in Vermont. All estimates were derived from the top ranked model ($\psi_{\text{LOCAL+LANDSCAPE}} \gamma_{\text{LOCAL+LANDSCAPE}} \varepsilon_{\text{LOCAL+LANDSCAPE}} p_{\text{SURVEY+PS}}$) and were adjusted for imperfect detection.



Appendix 2. Estimated probability of site colonization (γ) as a function of a site's individual landscape variables (A-D, open circles) and local habitat variables (E-H, filled circles) for Bicknell's Thrush in Vermont. All estimates were derived from the top ranked model ($\psi_{\text{LOCAL+LANDSCAPE}} \gamma_{\text{LOCAL+LANDSCAPE}} \varepsilon_{\text{LOCAL+LANDSCAPE}} p_{\text{SURVEY+PS}}$) and were adjusted for imperfect detection.



Appendix 3. Estimated probability of site extinction (ϵ) as a function of a site's individual landscape variables (A-D, open circles) and local habitat variables (E-H, filled circles) for Bicknell's Thrush in Vermont. All estimates were derived from the top ranked model ($\psi_{\text{LOCAL+LANDSCAPE}} \gamma_{\text{LOCAL+LANDSCAPE}} \epsilon_{\text{LOCAL+LANDSCAPE}} p_{\text{SURVEY+PS}}$) and were adjusted for imperfect detection.