

Appendix S10: Results from simultaneous autoregressive models with a Poisson distribution showing the drivers of vascular plant species richness at the large (9 m²) and small (1 m²) grain sizes, and at the difference in richness between the two grain sizes (Δ_{9-1}) for alien species in plots in which at least one alien species richness was present. A best subset modelling approach was used to select the most parsimonious set of explanatory variables.

Alien 9 m² grain

Variable	Estimate	p-value
Intercept	1.1492	<0.001
Northness	-0.102	0.039

Alien 1 m² grain

Variable	Estimate	p-value
Intercept	0.604	<0.001
Presence of <i>A. selago</i>	-0.355	<0.001
Distance to nearest drainage	0.001	<0.001
Distance to nearest base	-0.001	0.009

Difference in alien species richness between grains for alien species (alien Δ_{9-1})

Variable	Estimate	p-value
Intercept	0.539	<0.001
Presence of <i>A. selago</i>	-0.246	0.052
Distance to nearest drainage	-0.001	0.007