

Wildlife Biology

**WLB-00886**

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Appendix 1

Table A1. Summary of the structural equation model showing the standardized path coefficients, their standard errors, z-values and p-values in 2018. R<sup>2</sup> values show the coefficient of determination indicating the variability explained for each dependent variable.

Path		Standardized path coefficient	Standard error	z-value	p-value
Digging frequency (R <sup>2</sup> = 0.783)	← Cicada nymph density	0.136	0.031	4.423	<b>&lt;0.001</b>
	← Dwarf bamboo	-0.219	0.052	-4.191	<b>&lt;0.001</b>
	← Forest type	0.384	0.066	5.850	<b>&lt;0.001</b>
	← Stand basal area	-0.026	0.059	-0.442	0.658
	← Number of trees	-0.077	0.081	-0.951	0.342
Cicada nymph density (R <sup>2</sup> = 0.542)	← Dwarf bamboo	-0.610	0.203	-3.000	<b>0.003</b>
	← Forest type	1.442	0.202	7.127	<b>&lt;0.001</b>
	← Stand basal area	0.139	0.248	0.559	0.576
	← Number of trees	0.383	0.335	1.143	0.253
Stand basal area (R <sup>2</sup> = 0.195)	← Dwarf bamboo	-0.240	0.101	-2.364	<b>0.018</b>
	← Forest type	0.220	0.101	2.173	<b>0.030</b>
	↔ Number of trees	0.334	0.077	1.974	<b>0.048</b>
Number of trees (R <sup>2</sup> = 0.002)	← Forest type	0.024	0.016	0.307	0.759

Table A2. Summary of the structural equation model showing the standardized path coefficients, their standard errors, z-values and p-values in 2019. R<sup>2</sup> values show the coefficient of determination indicating the variability explained for each dependent variable.

Path		Standardized path coefficient	Standard error	z-value	p-value
Digging frequency (R <sup>2</sup> = 0.514)	← Cicada nymph density	0.093	0.026	3.552	<b>&lt;0.001</b>
	← Dwarf bamboo	-0.120	0.059	-2.018	<b>0.044</b>
	← Forest type	0.135	0.070	1.929	0.054
	← Stand basal area	-0.074	0.065	-1.136	0.256
	← Number of trees	-0.003	0.088	-0.031	0.975
Cicada nymph density (R <sup>2</sup> = 0.580)	← Dwarf bamboo	-1.026	0.260	-3.948	<b>&lt;0.001</b>
	← Forest type	1.750	0.258	6.774	<b>&lt;0.001</b>
	← Stand basal area	0.455	0.317	1.436	0.151
	← Number of trees	0.618	0.428	1.445	0.148
Stand basal area (R <sup>2</sup> = 0.195)	← Dwarf bamboo	-0.240	0.101	-2.364	<b>0.018</b>
	← Forest type	0.220	0.101	2.173	<b>0.030</b>
	↔ Number of trees	0.334	0.077	1.974	<b>0.048</b>
Number of trees (R <sup>2</sup> = 0.002)	← Forest type	0.024	0.016	0.307	0.759