

Table. Heights and cover over time of natural vs novel scenarios.

	Response variable	Scenario	Site	Estimate	Error	Lower 95% CI	Upper 95% CI	Rhat	Bulk effective sample size	Tail effective sample size	Effect	Sample size
Intercept	Cover	Novel	CG	-3.4	0.3	-4.1	-2.8	1.00	11300.9	8594.7	fixed	147
Age	Cover	Novel	CG	0.2	0.1	0.1	0.4	1.00	7852.9	8411.4	fixed	147
sigma	Cover	Novel	CG	14.4	2.4	10.2	19.6	1.00	3506.6	7114.2	residual	147
Intercept	Canopy height	Novel	CG	3.0	0.1	2.7	3.2	1.00	2717.2	4104.6	fixed	341
Age	Canopy height	Novel	CG	0.0	0.0	0.0	0.0	1.00	4168.6	6754.5	fixed	341
sigma	Canopy height	Novel	CG	0.3	0.0	0.3	0.3	1.00	7087.2	8742.7	residual	341
Intercept	Mean height	Natural	QHI	4.5	1.2	2.2	6.7	1.00	5169.3	4668.9	fixed	57
Year	Mean height	Natural	QHI	0.3	0.1	0.2	0.5	1.00	4975.0	4691.1	fixed	57
sigma	Mean height	Natural	QHI	2.1	0.2	1.7	2.6	1.00	7090.3	7280.6	residual	57
Intercept	Max height	Natural	QHI	7.3	3.2	0.9	13.7	1.00	4291.2	5399.1	fixed	57
Year	Max height	Natural	QHI	0.7	0.2	0.3	1.1	1.00	4390.3	5490.3	fixed	57
sigma	Max height	Natural	QHI	3.2	0.3	2.6	4.0	1.00	6601.0	7586.7	residual	57
Intercept	Max cover	Natural	QHI	-1.2	0.4	-2.0	-0.4	1.00	8213.3	6540.1	fixed	11
Year	Max cover	Natural	QHI	0.0	0.0	0.0	0.0	1.00	8306.8	6648.8	fixed	11
sigma	Max cover	Natural	QHI	110.9	70.1	28.4	296.2	1.00	5243.9	5617.1	residual	11
Intercept	Mean cover	Natural	QHI	-2.0	0.3	-2.7	-1.3	1.00	9042.1	6913.9	fixed	11
Year	Mean cover	Natural	QHI	0.0	0.0	0.0	0.0	1.00	9151.7	6995.3	fixed	11
sigma	Mean cover	Natural	QHI	174.5	93.0	47.6	404.0	1.00	8410.5	7361.9	residual	11
Intercept	Max cover	Natural	Toolik	-0.7	0.7	-2.1	0.8	1.00	11105.7	8009.3	fixed	14
Year	Max cover	Natural	Toolik	0.0	0.1	-0.1	0.1	1.00	11045.5	7938.0	fixed	14
sigma	Max cover	Natural	Toolik	3.2	1.2	1.4	5.9	1.00	11868.5	9049.7	residual	14
Intercept	Mean cover	Natural	Toolik	-2.2	0.2	-2.6	-1.8	1.00	8918.1	7005.7	fixed	14
Year	Mean cover	Natural	Toolik	0.0	0.0	0.0	0.0	1.00	8277.1	6757.8	fixed	14
sigma	Mean cover	Natural	Toolik	165.6	90.0	50.2	402.2	1.00	4001.9	5848.8	residual	14