

Title: Land-use history causes differences in park nighttime cooling capacity and forest structure

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Table of contents

Figures	2
Figure S1	2
Figure S2	3
Figure S3	4
Figure S4	5
Total Effect of Past Land-Use on Cooling Effect	5
Direct Effect of Past Land-Use on Forest Composition	5
Direct Effect of Forest Composition on Cooling Effect	8
Figure S5	8
Prior Predictive Checks	8
Figure S6	15
Model Diagnostic Plots	15
Figure S7	31
Figure S8	32
Tables	32
Table S1.	32
Table S2	38

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Figures

Figure S1

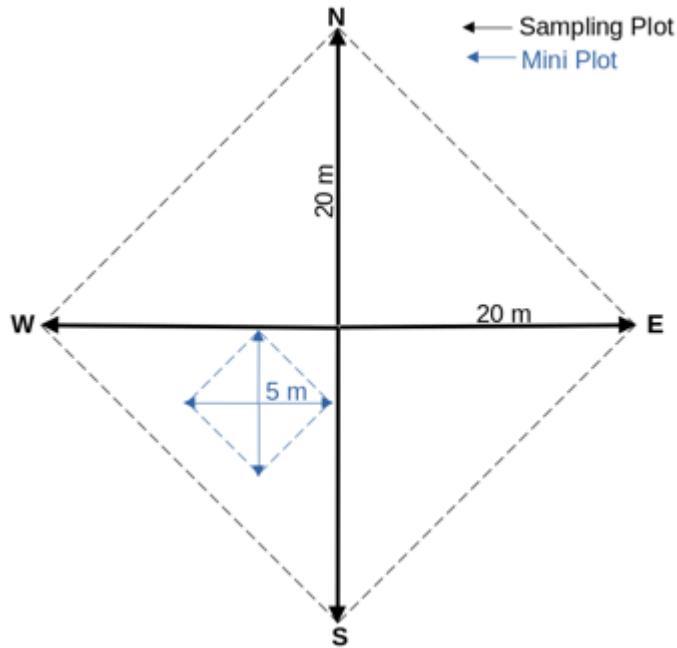


Figure S1. Sampling plot configuration. Mini-plot was located in the most representative part of the larger plot, as decided in the field. Mini-Plot Information: due to the nature of the permits we received, most of the “full plot” sampling of trees < 5 cm was done in typical urban parks ($n = 11/14$ parks). These parks are characterized by large grassy lawns, with a low density of very large deciduous trees. There are sometimes new plantings which results in small trees, but very few of them. For many of these plots, there were no trees < 5 cm even when the “full plot” is used. We switched to the mini plot method when we started sampling “nature parks”, where there is a more natural forest ecosystem. In these systems, we could find hundreds of trees < 5 cm, even within our mini plot. Thus, the full plots are very similar or identical to what the mini plots would look like in the majority of cases, as they either have 0 or 1 trees < 5 cm.

Figure S2



Figure S2. Example sensor setup. Sensor is a CredoSense CSL-T0.5 temperature logger located within a 3-D printed shield and hung with an informational flyer containing the contact information of the lead author. Photo taken by Isabella C Richmond.

Figure S3

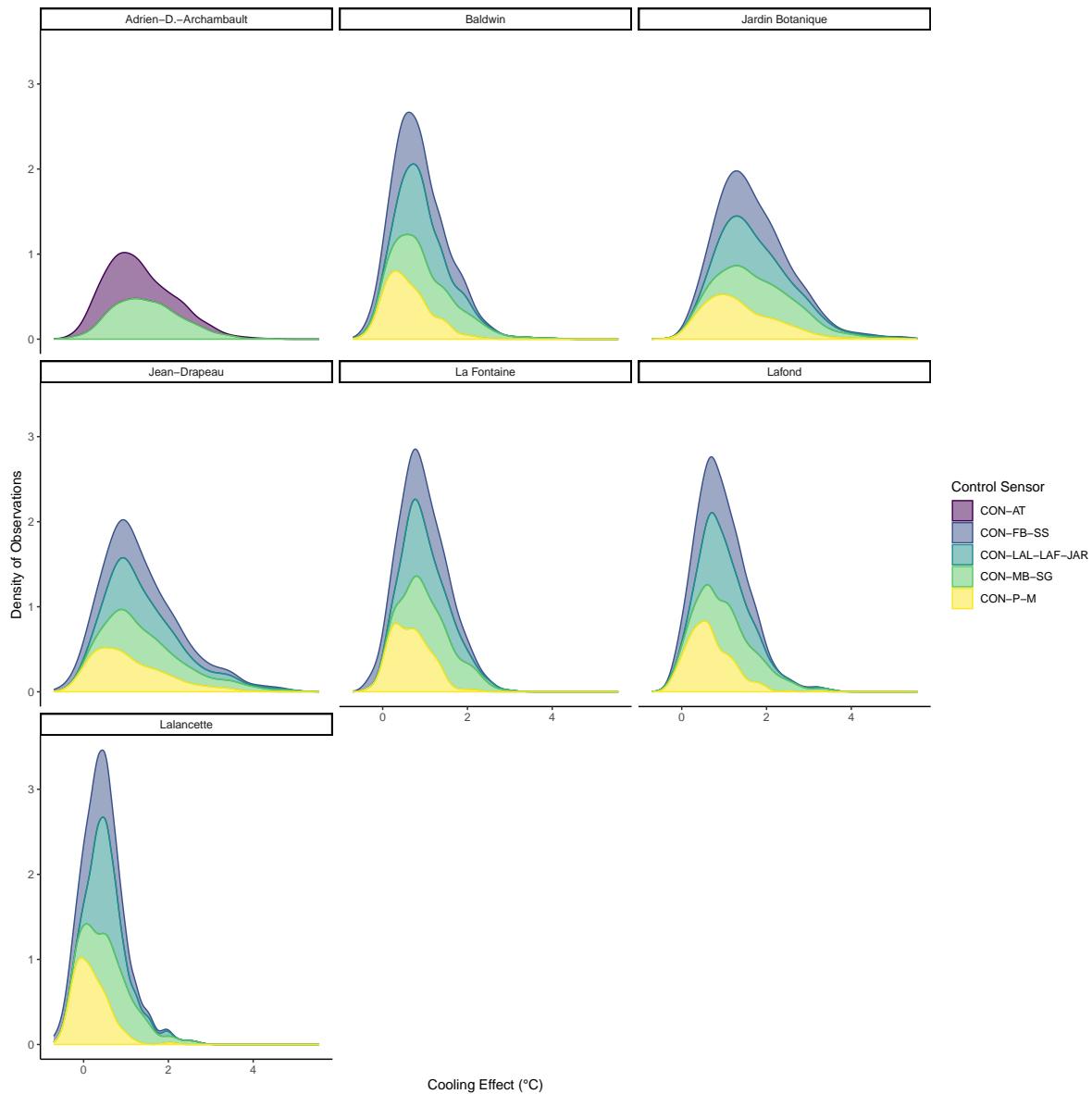


Figure S3. Sensitivity analysis showing the cooling effect across all dates for each park where the control sensor was replaced due to missing data. Plots were made with the remaining control sensors closest to the park in question. CON-LAL-LAF-JAR indicates the control sensor that we used from another, similar study.

Figure S4

Below are the math stats notations for all models run in our paper.

Total Effect of Past Land-Use on Cooling Effect

$$\begin{aligned}
 Cooling_i &\sim Normal(\mu_i, \sigma) \\
 \mu_i &\sim \alpha_{Park[i]} + \alpha_{Plot[i]} + \gamma_{PLU[i]} + \gamma_{tod[i]} + \beta_{PLU}tod + \beta_{PLU[i]} + \beta_{tod[i]} + \beta_{age}age_i \\
 \alpha_{Park[j]} &\sim Normal(\bar{\alpha}, \sigma_{\alpha_{Park}}) \\
 \alpha_{Plot[j]} &\sim Normal(0, \sigma_{\alpha_{Plot}}) \\
 \gamma_j &\sim Normal(0, 0.5) \\
 \beta_j &\sim Normal(0, 0.5) \\
 \bar{\alpha} &\sim Normal(0, 0.5) \\
 \sigma_{\alpha_{Park}} &\sim Half-Normal(0, 0.2) \\
 \sigma_{\alpha_{Plot}} &\sim Half-Normal(0, 0.2) \\
 \sigma &\sim Exponential(1)
 \end{aligned}$$

- α and γ both represent intercepts, α is used for random effects and γ for fixed interaction effects
- $Cooling_i$ is the centered and scaled cooling effect in each plot in degrees Celsius
- $Park_i$ is the park that each plot is in
- $Plot_i$ is the plot that each measurement is in
- PLU_i is the past land use category that each measurement is in (i.e., agricultural, forested, industrial)
- tod_i is the time of day category that each measurement is in (i.e., daytime, nighttime)
- age_i is the centered and scaled age of the park that each measurement is in

Direct Effect of Past Land-Use on Forest Composition

Large Tree Density

$$\begin{aligned}
 DensL_i &\sim Normal(\mu_i, \sigma) \\
 \mu_i &= \alpha + \beta_1 forested_{[i]} + \beta_2 industrial_{[i]} \\
 \alpha &\sim Normal(0, 0.5) \\
 \beta_j &\sim Normal(0, 0.5) \\
 \sigma &\sim Exponential(1)
 \end{aligned}$$

Where:

- $DensL_i$ is the centered and scaled basal area of large trees in each plot
- **forested** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.
- **industrial** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.

Small Tree Density

$$\begin{aligned} \log(DensS_i) &\sim \text{Normal}(\mu_i, \sigma) \\ \mu_i &= \alpha + \beta_1 \text{forested}_{[i]} + \beta_2 \text{industrial}_{[i]} \\ \alpha &\sim \text{Normal}(0, 0.5) \\ \beta_j &\sim \text{Normal}(0, 0.5) \\ \sigma &\sim \text{Exponential}(1) \end{aligned}$$

- $\log(DensS_i)$ is the centered and scaled density of small trees in each plot. Logged for model fit.
- **forested** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.
- **industrial** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.

Large Tree Size

$$\begin{aligned} SizeL_i &\sim \text{Normal}(\mu_i, \sigma) \\ \mu_i &= \alpha + \beta_1 \text{forested}_{[i]} + \beta_2 \text{industrial}_{[i]} \\ \alpha &\sim \text{Normal}(-1, 0.5) \\ \beta_j &\sim \text{Normal}(0, 0.5) \\ \sigma &\sim \text{Exponential}(1) \end{aligned}$$

- $SizeL_i$ is the centered and scaled median size of large trees in each plot.
- **forested** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.
- **industrial** is the factor level from **PastLandUse** that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.

Small Tree Size

$$\begin{aligned}SizeS_i &\sim Normal(\mu_i, \sigma) \\ \mu_i &= \alpha + \beta_1 forested_{[i]} + \beta_2 industrial_{[i]} \\ \alpha &\sim Normal(1, 0.5) \\ \beta_j &\sim Normal(0, 0.5) \\ \sigma &\sim Exponential(1)\end{aligned}$$

- $SizeS_i$ is the centered and scaled median size of small trees in each plot.
- `forested` is the factor level from `PastLandUse` that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.
- `industrial` is the factor level from `PastLandUse` that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.

Large Tree Species Richness

$$\begin{aligned}SRL_i &\sim Normal(\mu_i, \sigma) \\ \mu_i &= \alpha + \beta_1 forested_{[i]} + \beta_2 industrial_{[i]} \\ \alpha &\sim Normal(2, 1) \\ \beta_j &\sim Normal(0, 0.5) \\ \sigma &\sim Exponential(1)\end{aligned}$$

- SRL_i is the centered and scaled species richness of large trees in each plot.
- `forested` is the factor level from `PastLandUse` that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.
- `industrial` is the factor level from `PastLandUse` that indicates previously forested parks. Previously agricultural parks are the default level, absorbed into the intercept.

Direct Effect of Forest Composition on Cooling Effect

$$\begin{aligned}
Cooling_i &\sim Normal(\mu_i, \sigma) \\
\mu_i &\sim \alpha_{Park[i]} + \alpha_{Plot[i]} + \gamma_{tod[i]} + \beta_{tod[i]} DensityL_i + \beta_{tod[i]} DensityS_i + \beta_{tod[i]} SizeL_i \\
&+ \beta_{tod[i]} SizeS_i + \beta_{tod[i]} SRL_i + \beta_{DensityL} DensityL_i + \beta_{DensityS} DensityS_i + \beta_{SizeL} SizeL_i \\
&+ \beta_{SizeS} SizeS_i + \beta_{SRL} SRL_i \\
\alpha_{Park[j]} &\sim Normal(\bar{\alpha}, \sigma_{\alpha_{Park}}) \\
\alpha_{Plot[j]} &\sim Normal(0, \sigma_{\alpha_{Plot}}) \\
\gamma_j &\sim Normal(0, 0.5) \\
\beta_j &\sim Normal(0, 0.5) \\
\bar{\alpha} &\sim Normal(0, 0.5) \\
\sigma_{\alpha_{Park}} &\sim Half-Normal(0, 0.2) \\
\sigma_{\alpha_{Plot}} &\sim Half-Normal(0, 0.2) \\
\sigma &\sim Exponential(1)
\end{aligned}$$

- α and γ both represent intercepts, α is used for random effects and γ for fixed interaction effect
- $Cooling_i$ is the centered and scaled cooling effect in each plot in degrees Celsius
- $Park_i$ is the park that each plot is in
- $Plot_i$ is the plot that each measurement is in
- PLU_i is the past land use category that each measurement is in (i.e., agricultural, forested, industrial)
- tod_i is the time of day category that each measurement is in (i.e., daytime, nighttime)
- age_i is the centered and scaled age of the park that each measurement is in

Figure S5

Prior Predictive Checks

Prior predictive checks are used to ensure that the values selected for priors for our models allow a biologically reasonable range of values. For models with fixed effects fit to the model (models 1 and 5), we simulate predictive draws for prior only models and visualize the slope/intercept of the values. We then do a “posterior predictive check” but with the prior only model, to see if the data is captured in the priors. For models with only random effects, we only use the posterior predictive check.

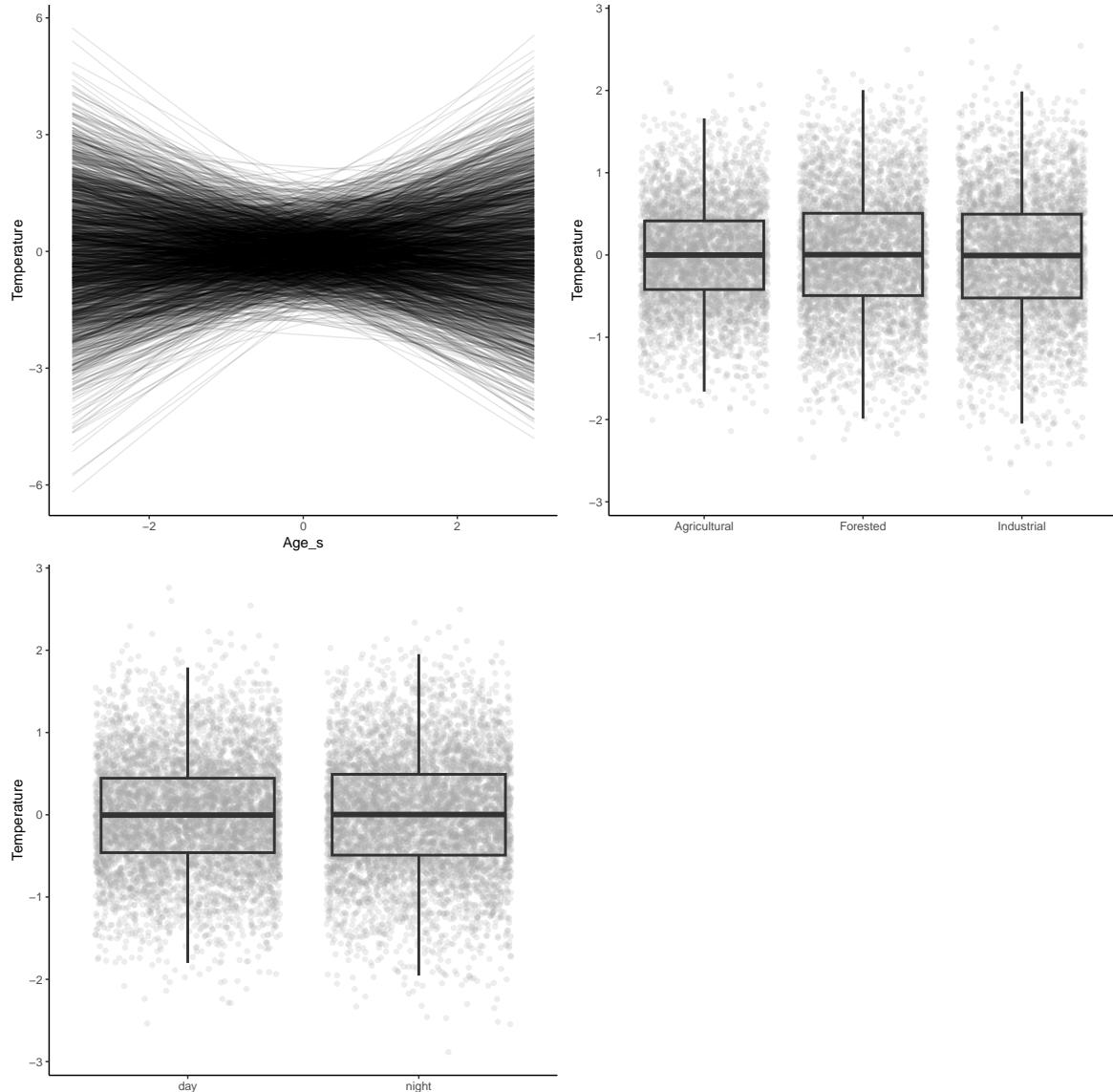


Figure S5a. Model 1 - Total Effect of Past Land-Use on Temperature

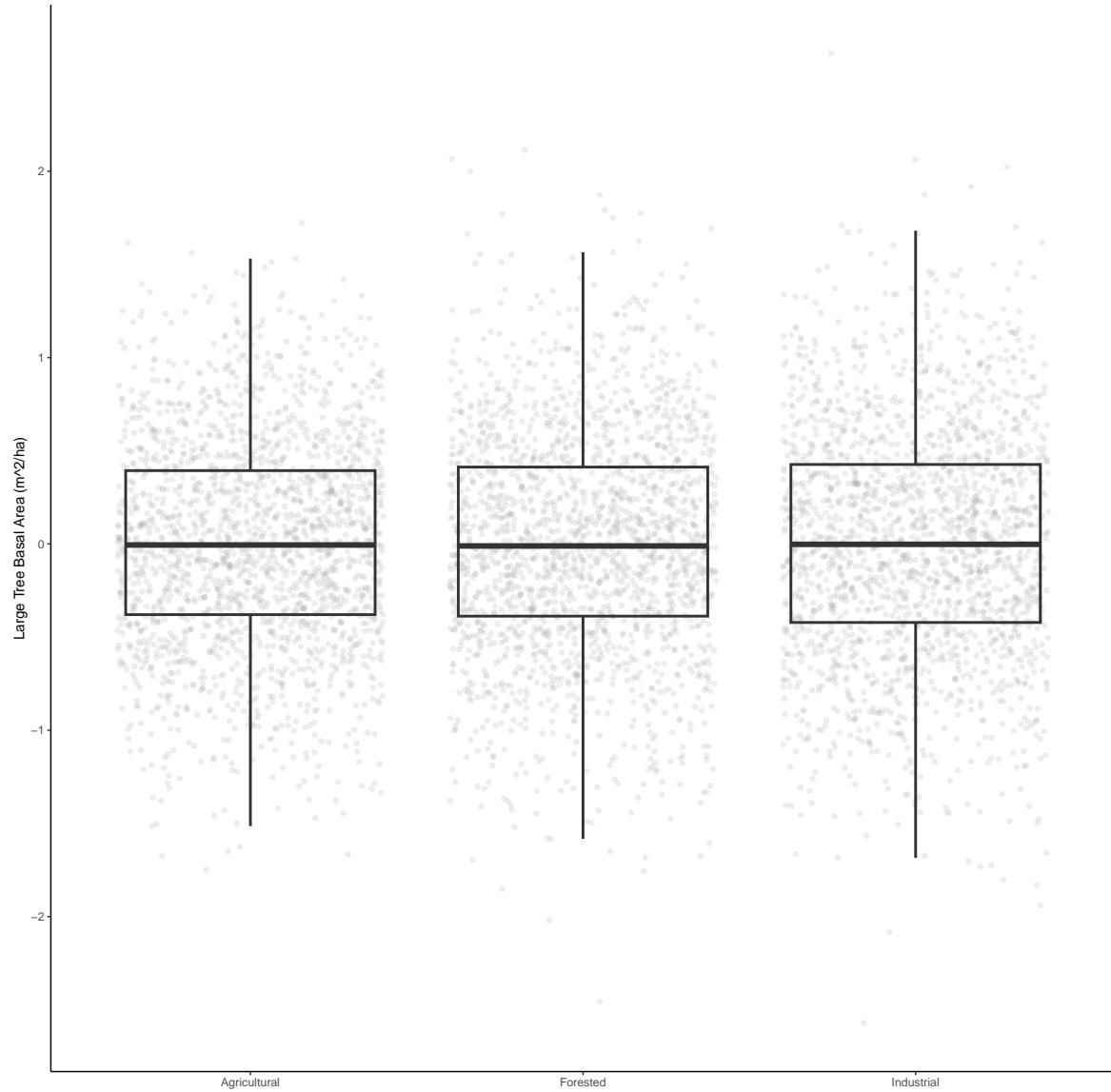


Figure S5b. Model 2a - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Basal Area

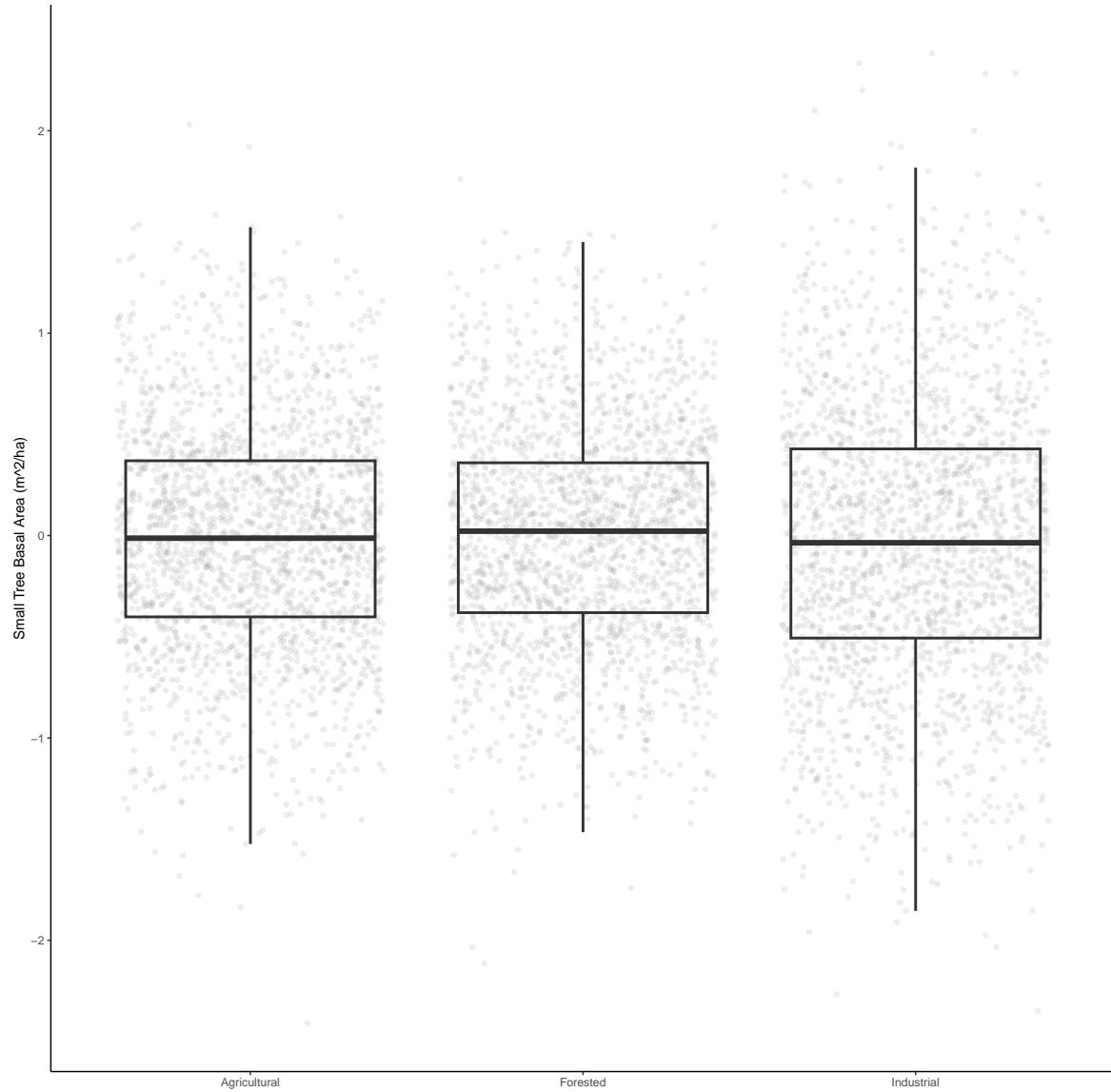


Figure S5c. Model 2b - Direct Effect of Past Land-Use on Small Tree (< 5 cm DBH) Density

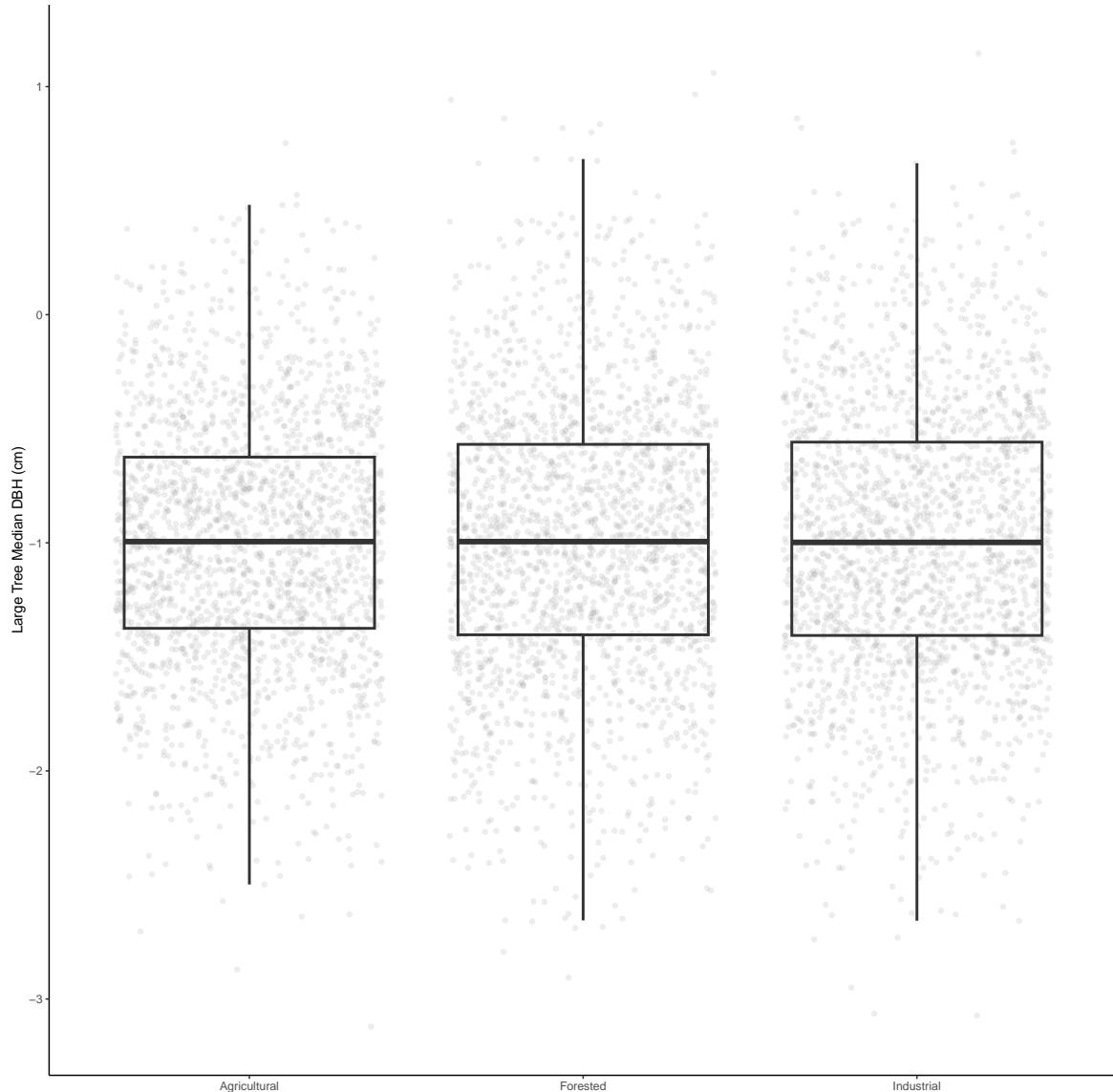


Figure S5d. Model 3a - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Size

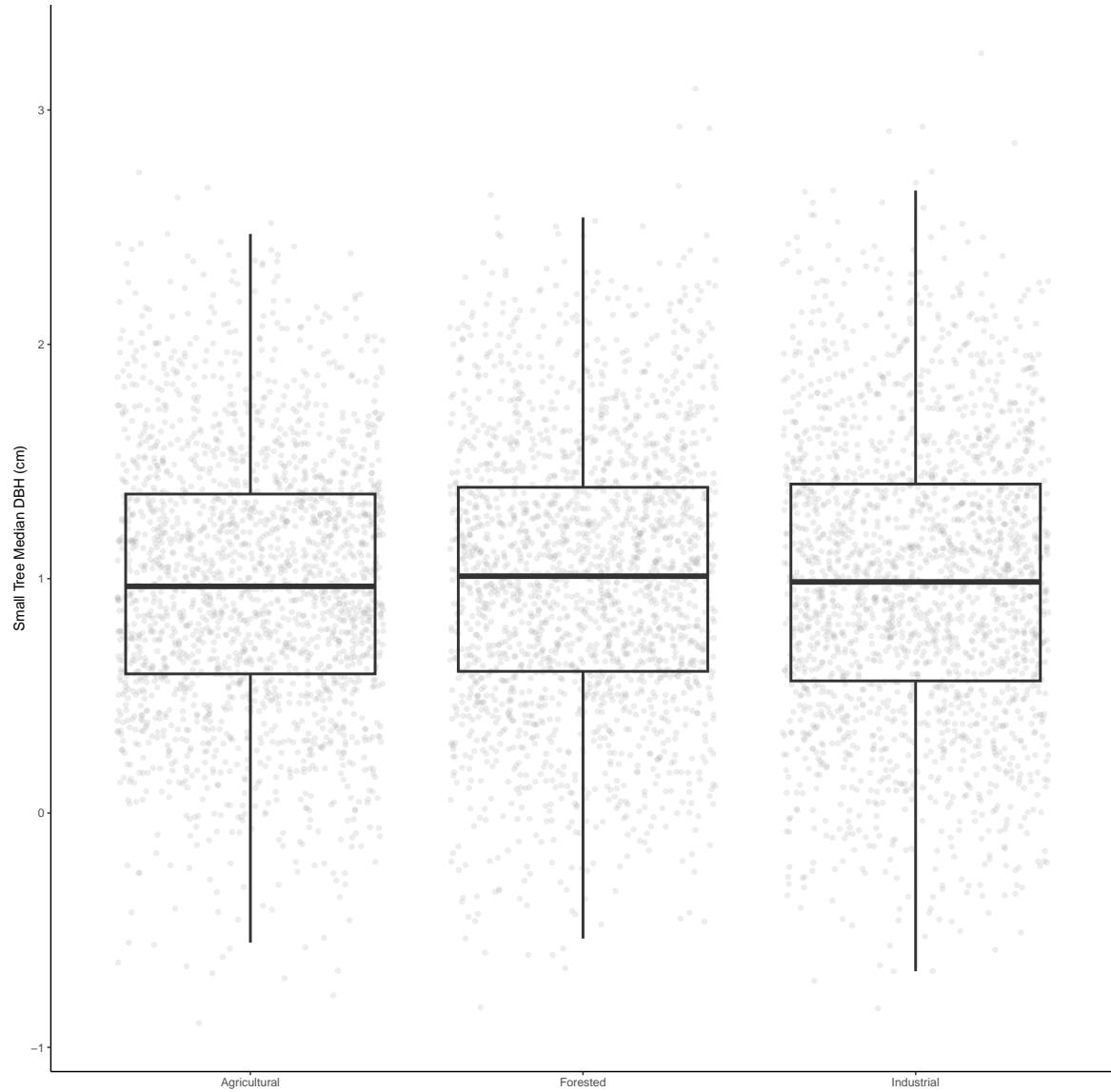


Figure S5e. Model 3b - Direct Effect of Past Land-Use on Small Tree (< 5 cm DBH) Size

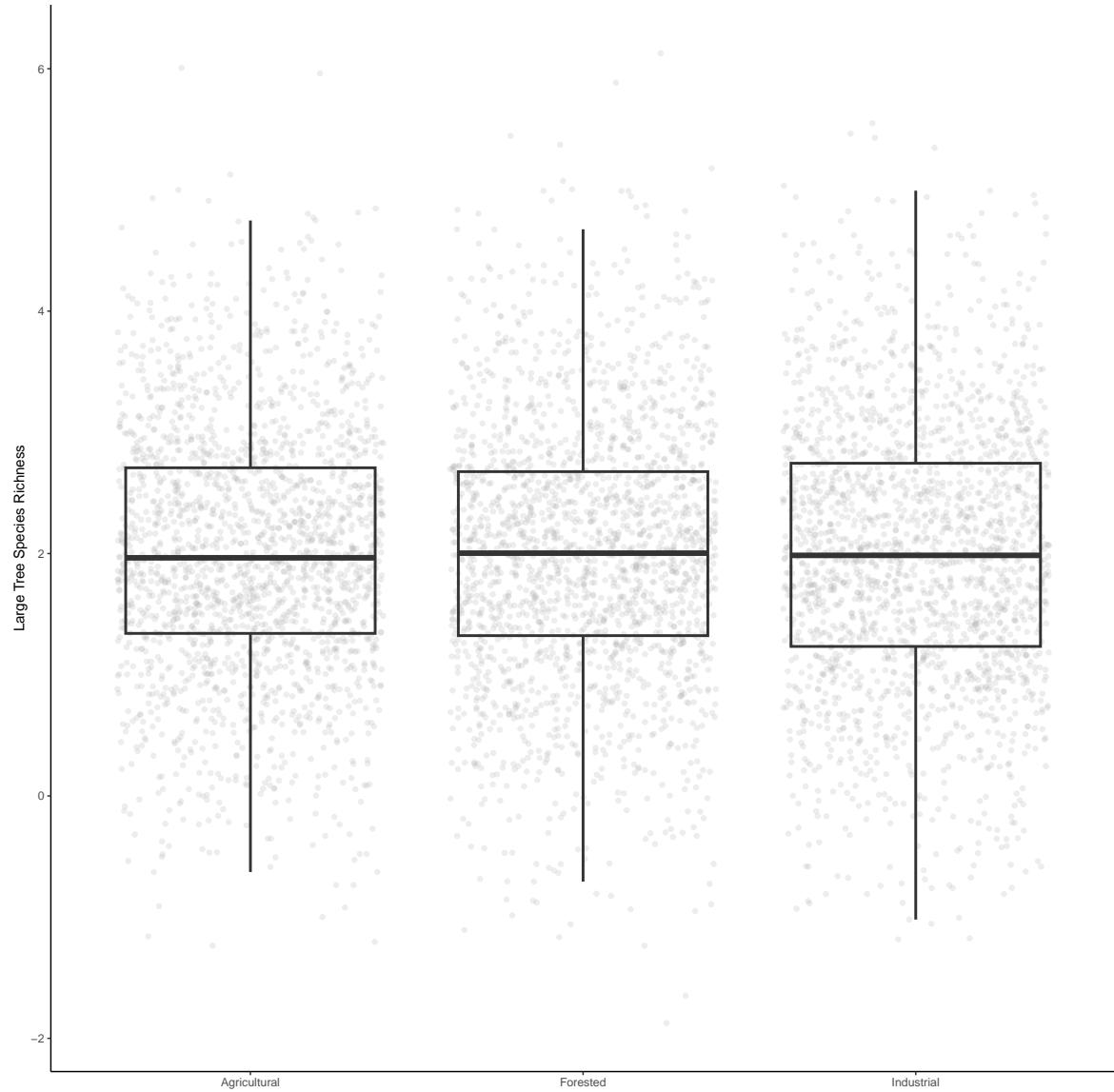


Figure S5f. Model 4 - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Species Richness

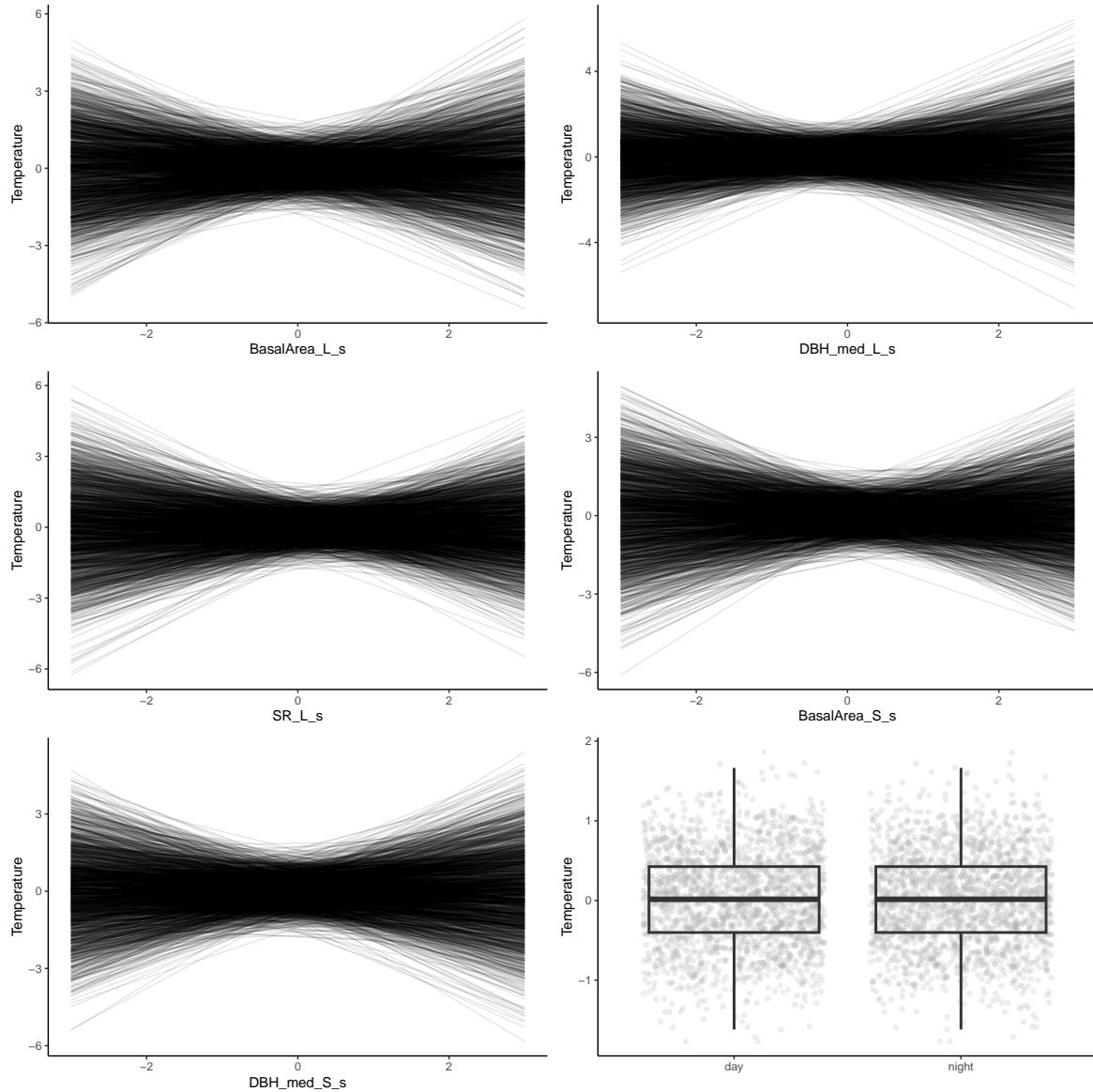


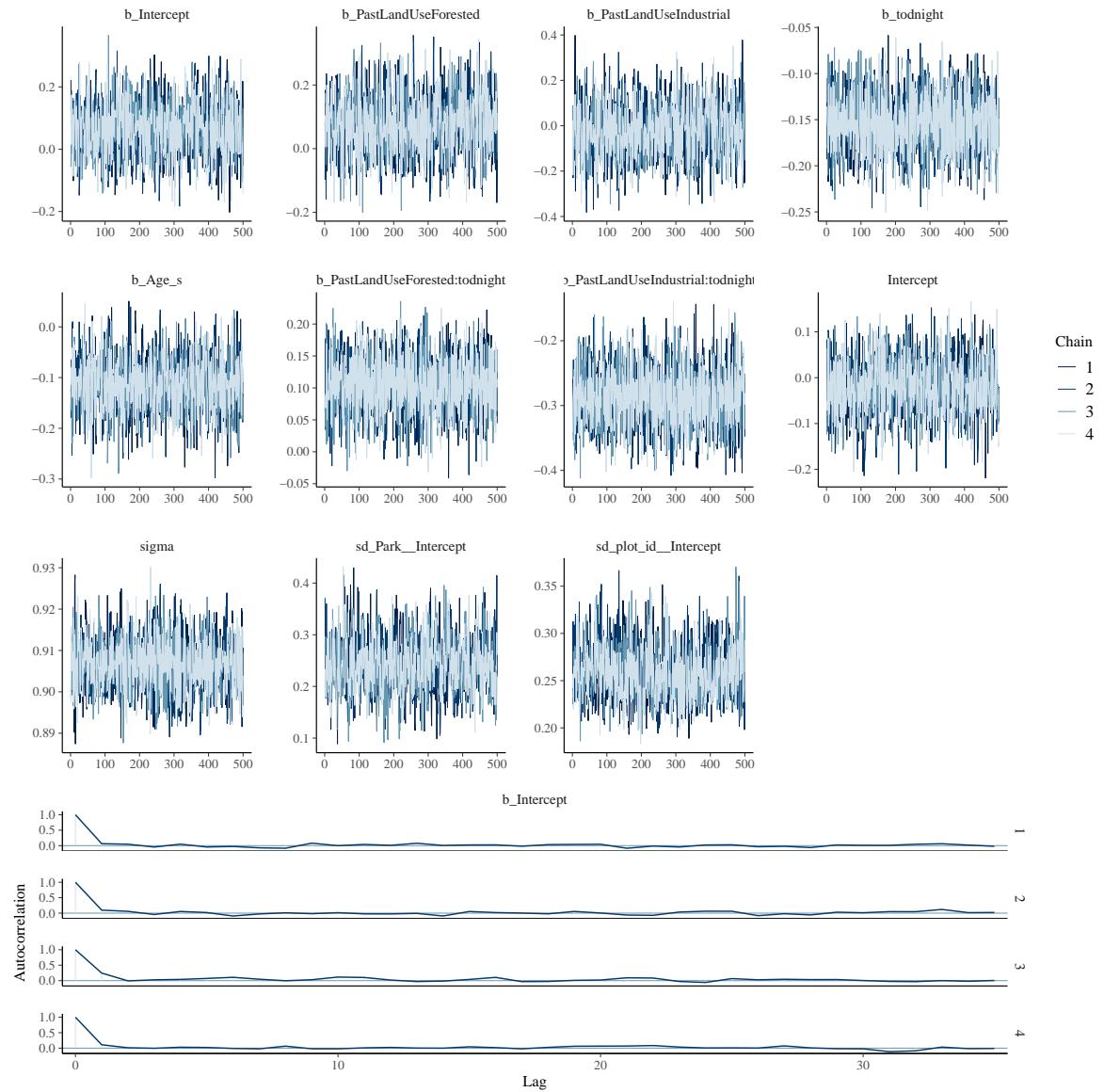
Figure S5g. Model 5 - Direct Effect of Forest Composition on Temperature

Figure S6

Model Diagnostic Plots

These model diagnostic plots assess whether the chains of our models are converged and well mixed, and if the model is well specified and has an adequate fit.

The first plot of the series shows trace plots for each of our parameters, where we want to see stationary and well-mixed chains. The second plot shows an autocorrelation plot by chain and parameter. We want our autocorrelation to quickly drop to zero with increasing lag. Thirdly, the Rhat plot monitors whether a chain has converged to the equilibrium distribution, if all chains are at equilibrium Rhat will be one. If chains have not converged, Rhat will be greater than 1. The fourth plot is the ratio between effective sample size (N_{eff}) and total sample size (N). Because the draws within a Markov chain are not independent if there is autocorrelation, the effective sample size, $neff$, is usually smaller than the total sample size, N . The larger the ratio, the better. Finally, we have the posterior predictive check where we want the black line to be within/close to the blue lines, to indicate that our model is adequately generative.



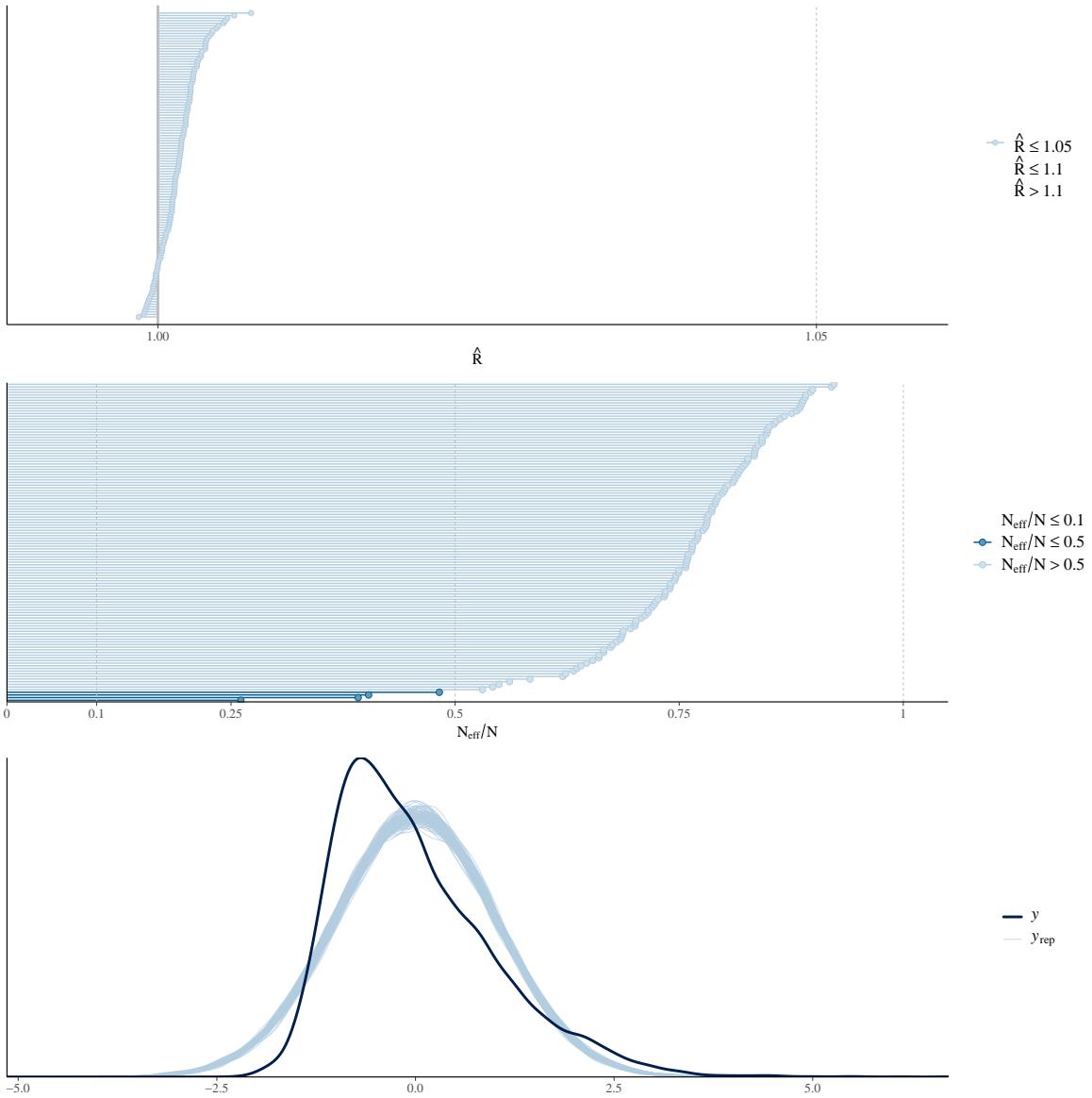
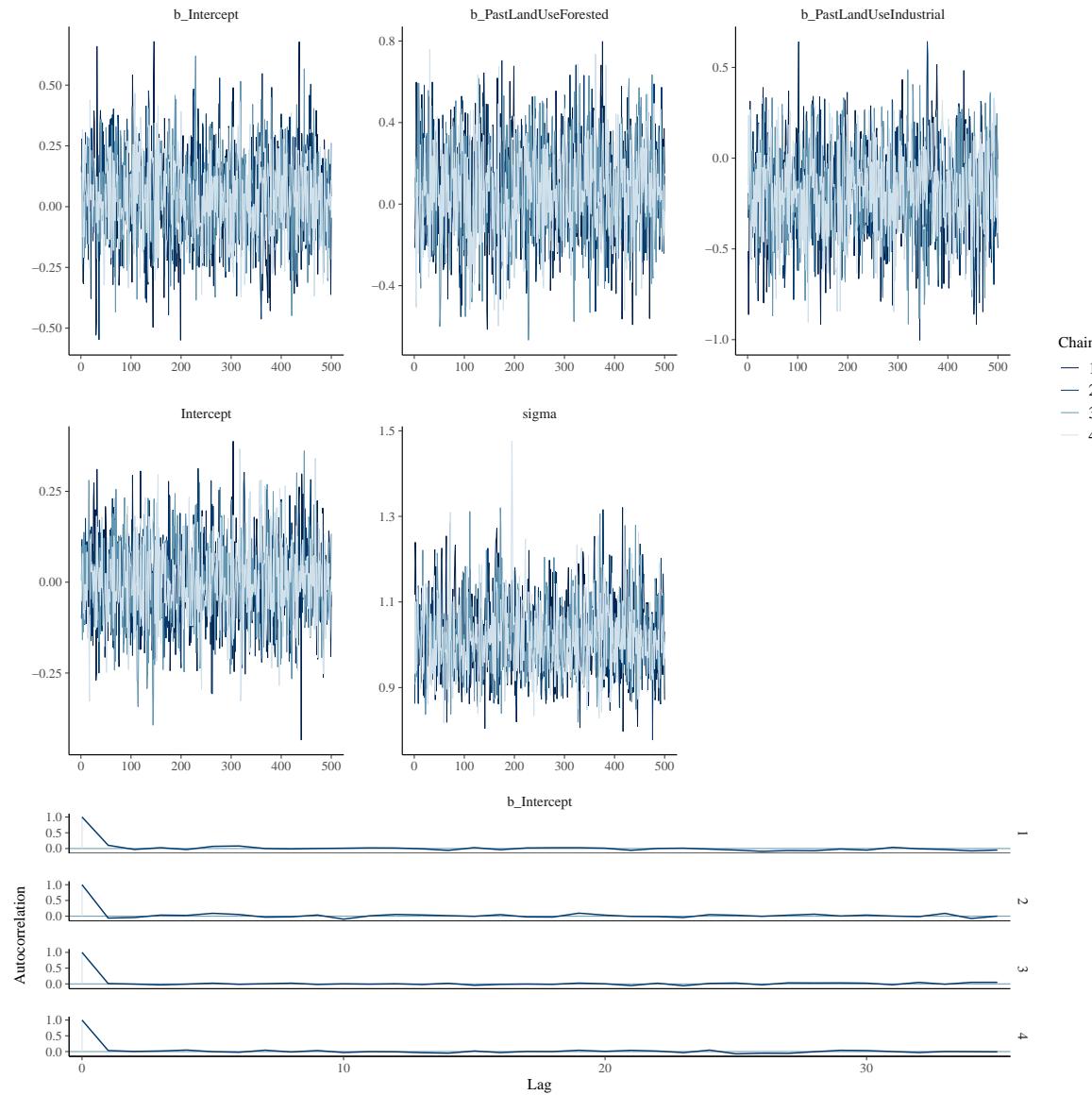


Figure S6a. Model 1 - Total Effect of Past Land-Use on Temperature



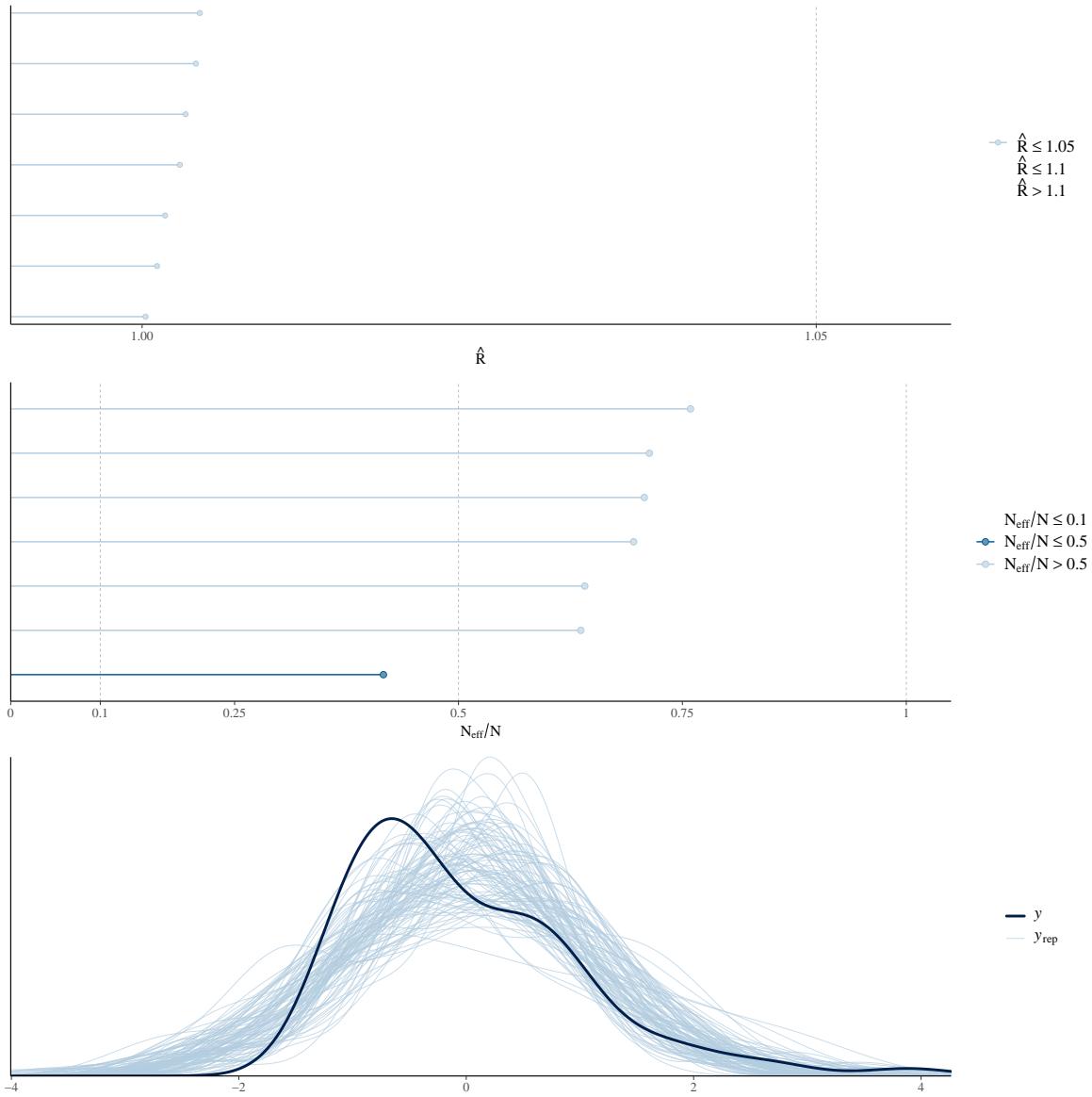
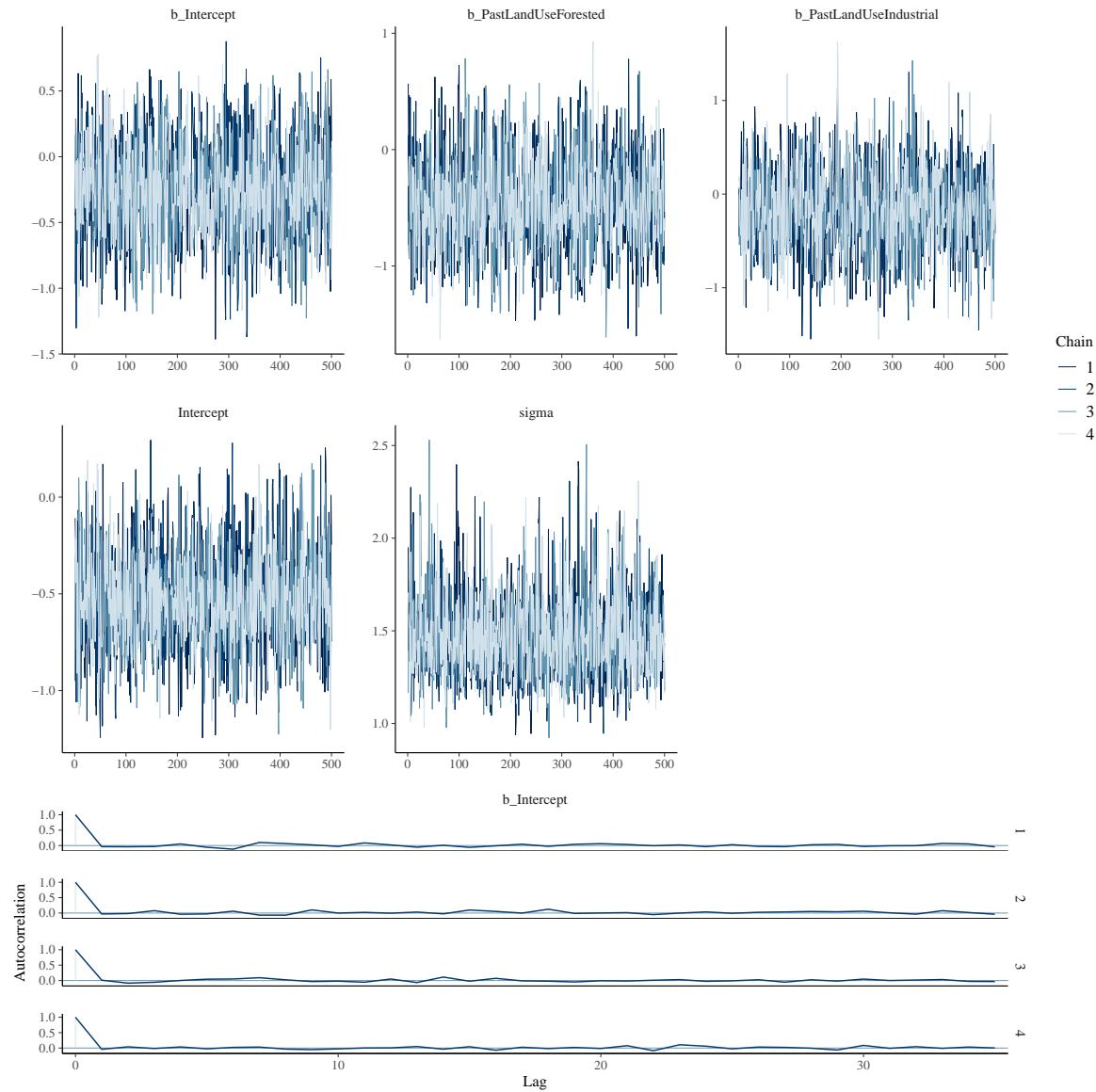


Figure S6b. Model 2a - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Density



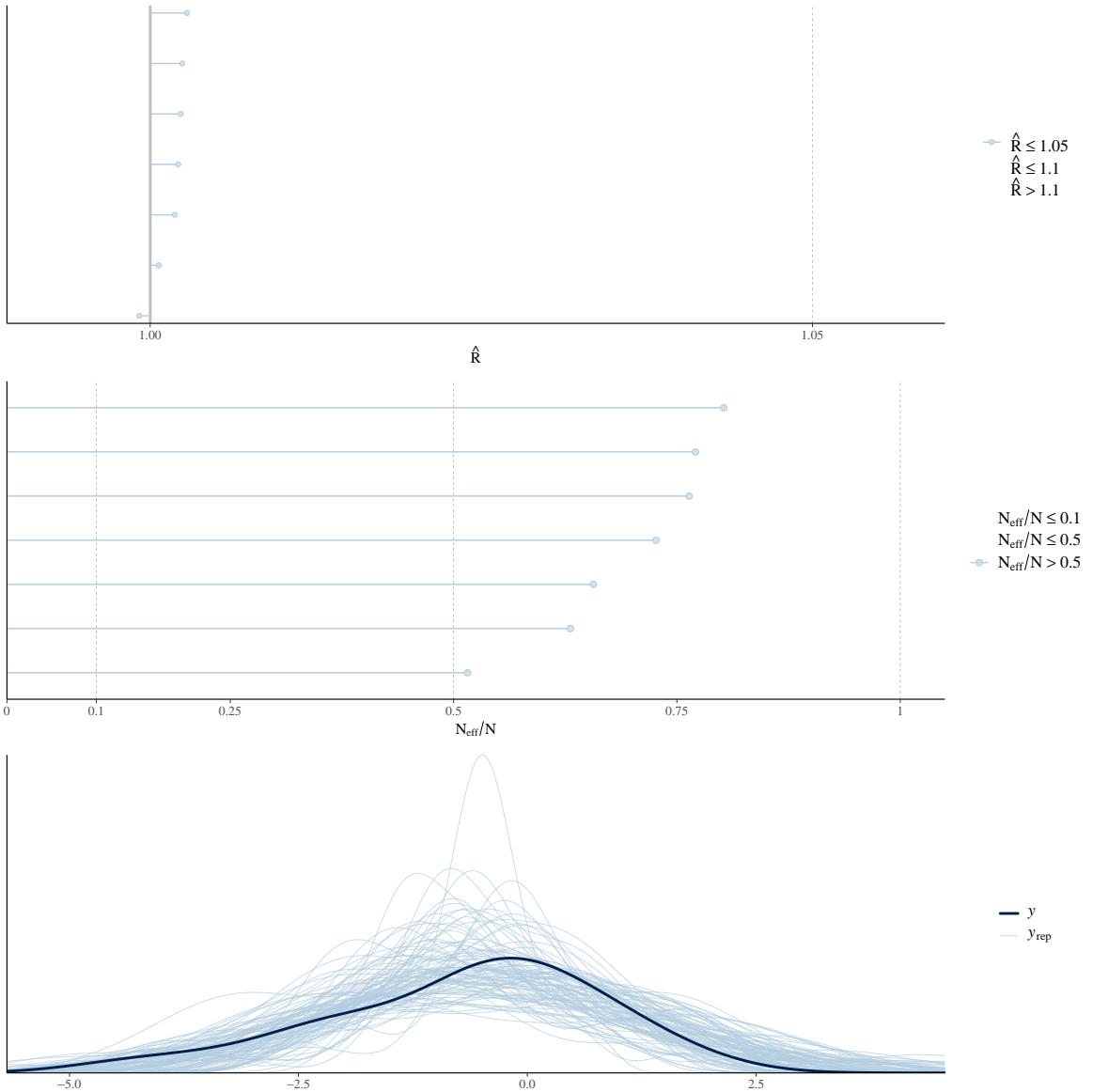
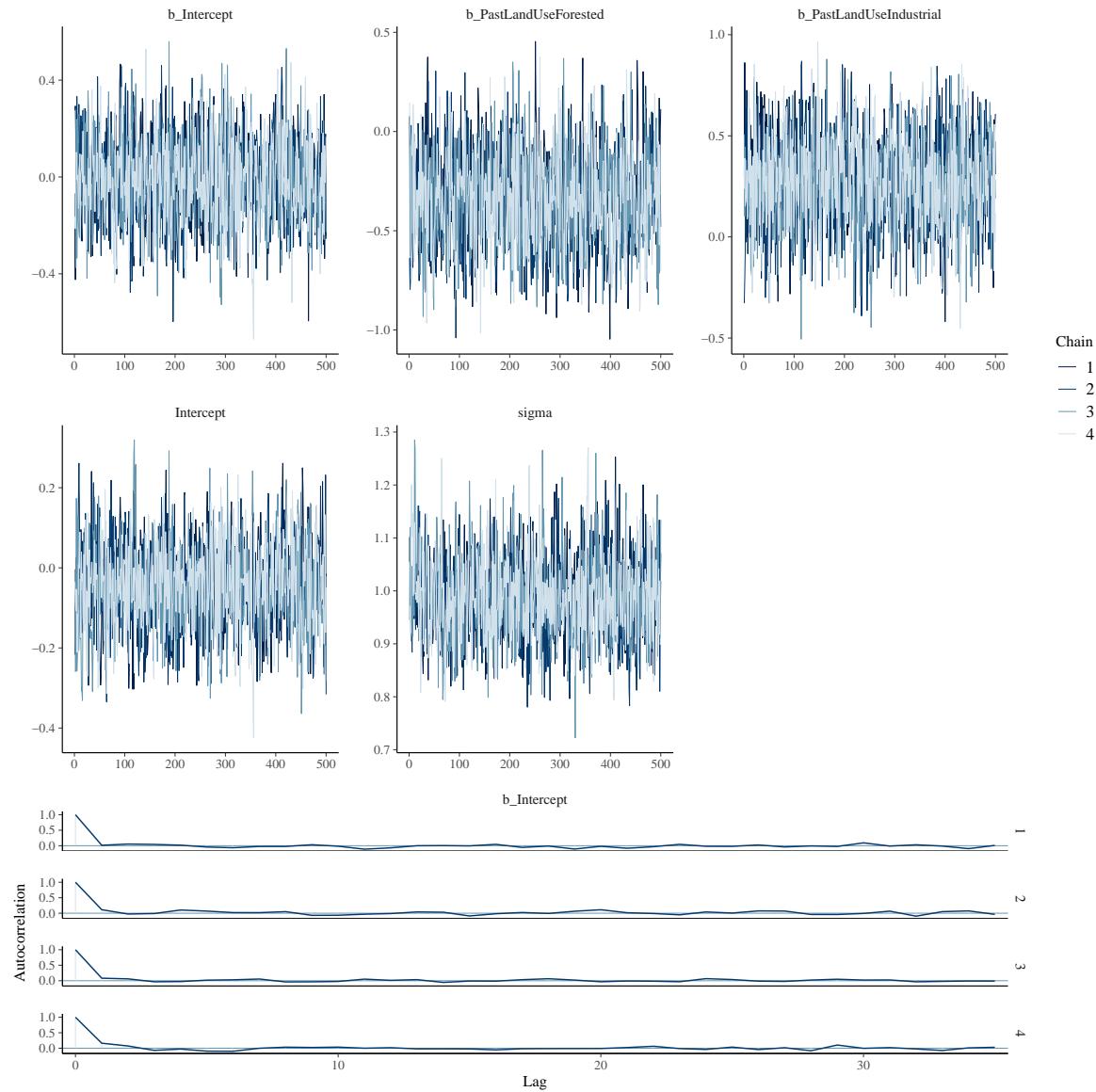


Figure S6c. Model 2b - Direct Effect of Past Land-Use on Small Tree (< 5 cm DBH) Density



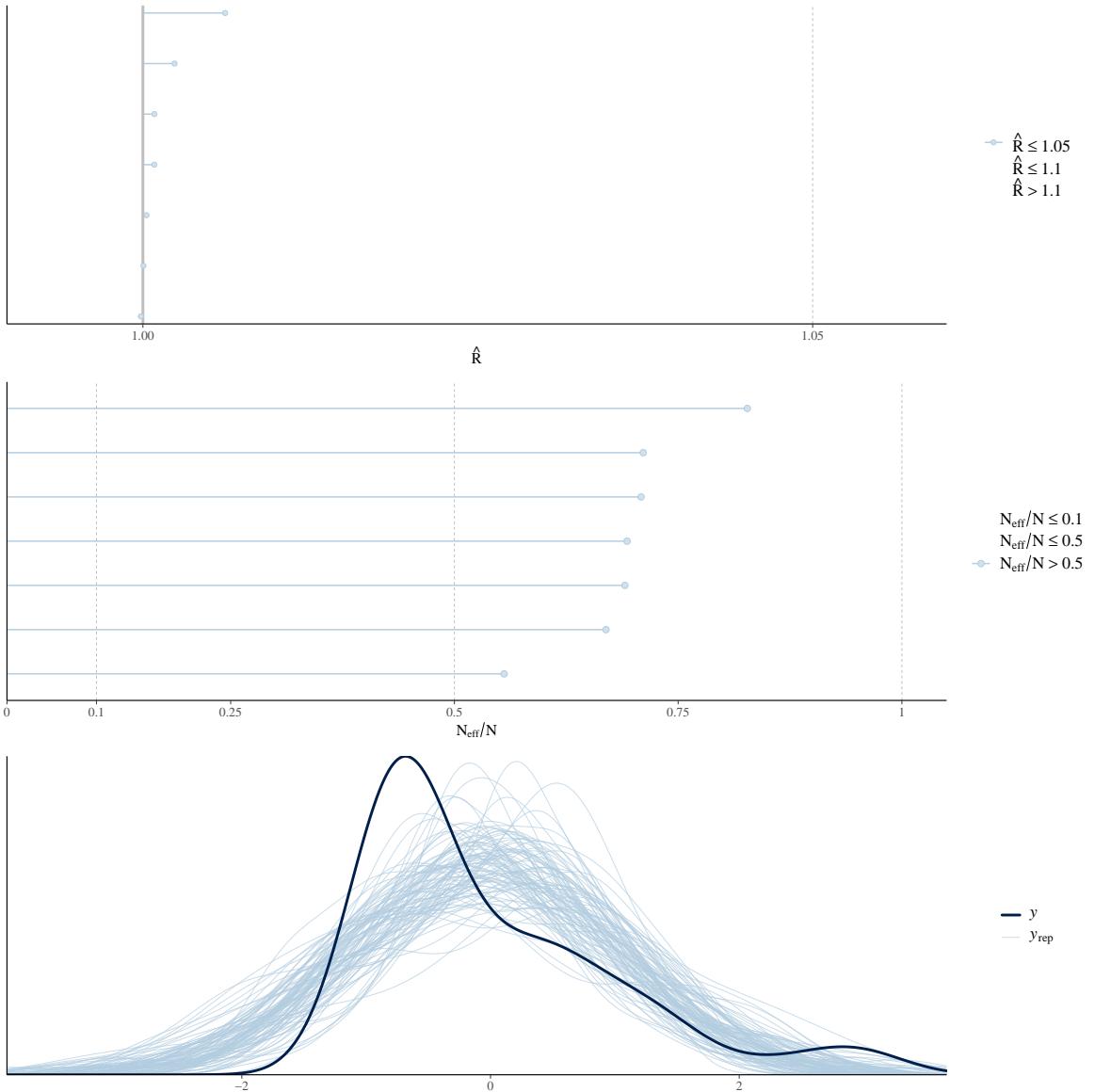
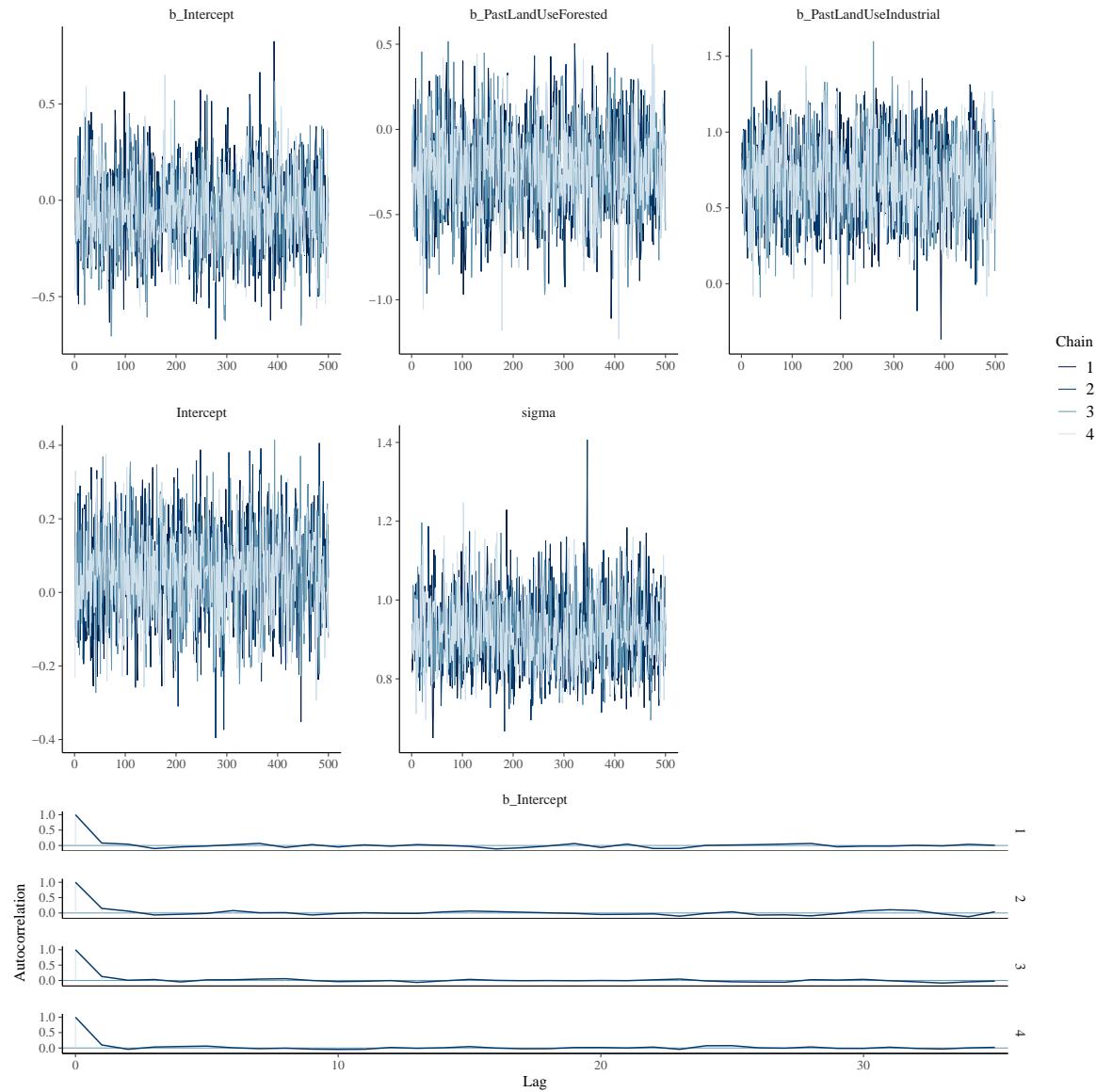


Figure S6d. Model 3a - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Size



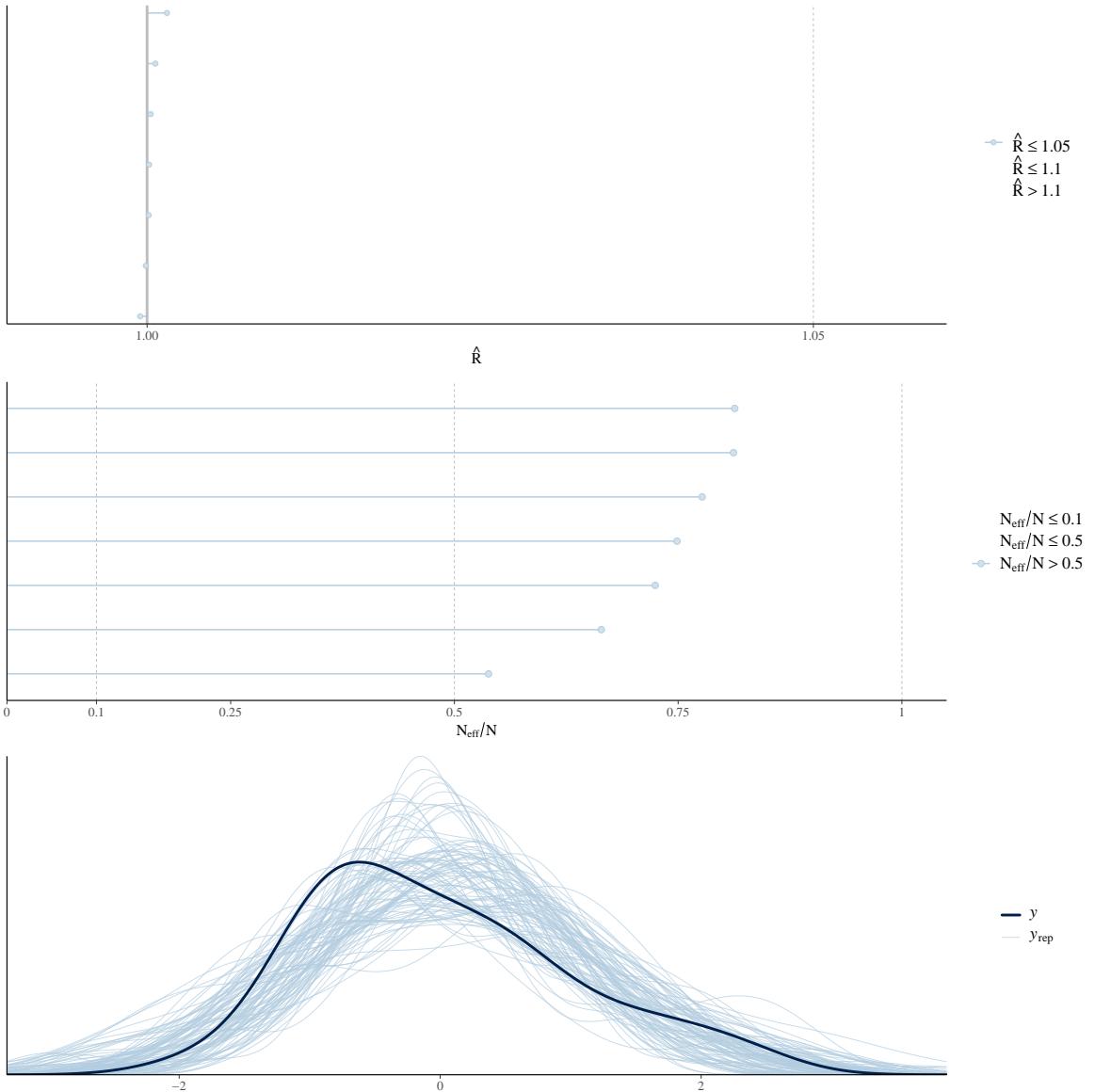
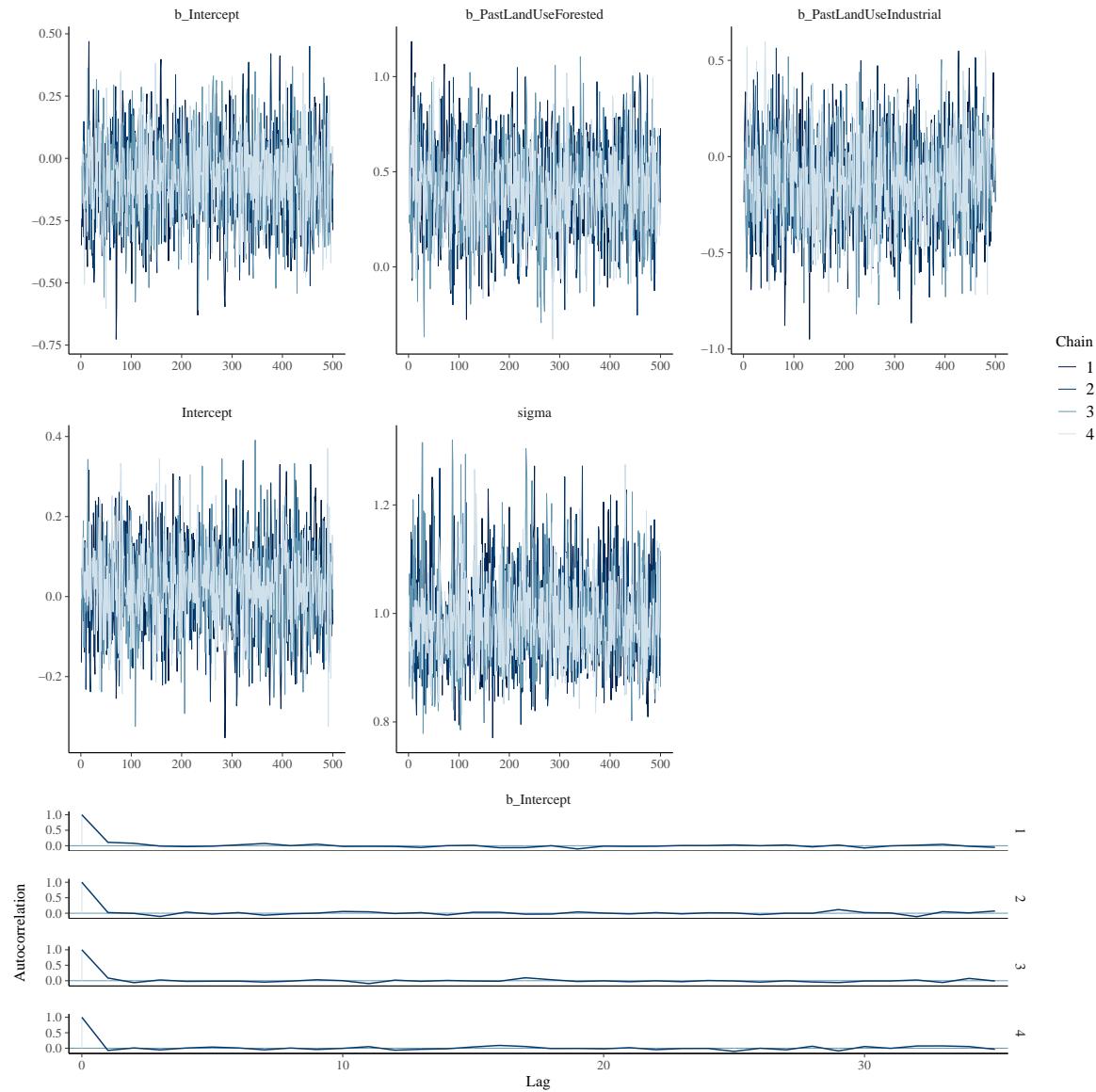


Figure S6e. Model 3b - Direct Effect of Past Land-Use on Small Tree (< 5 cm DBH) Size



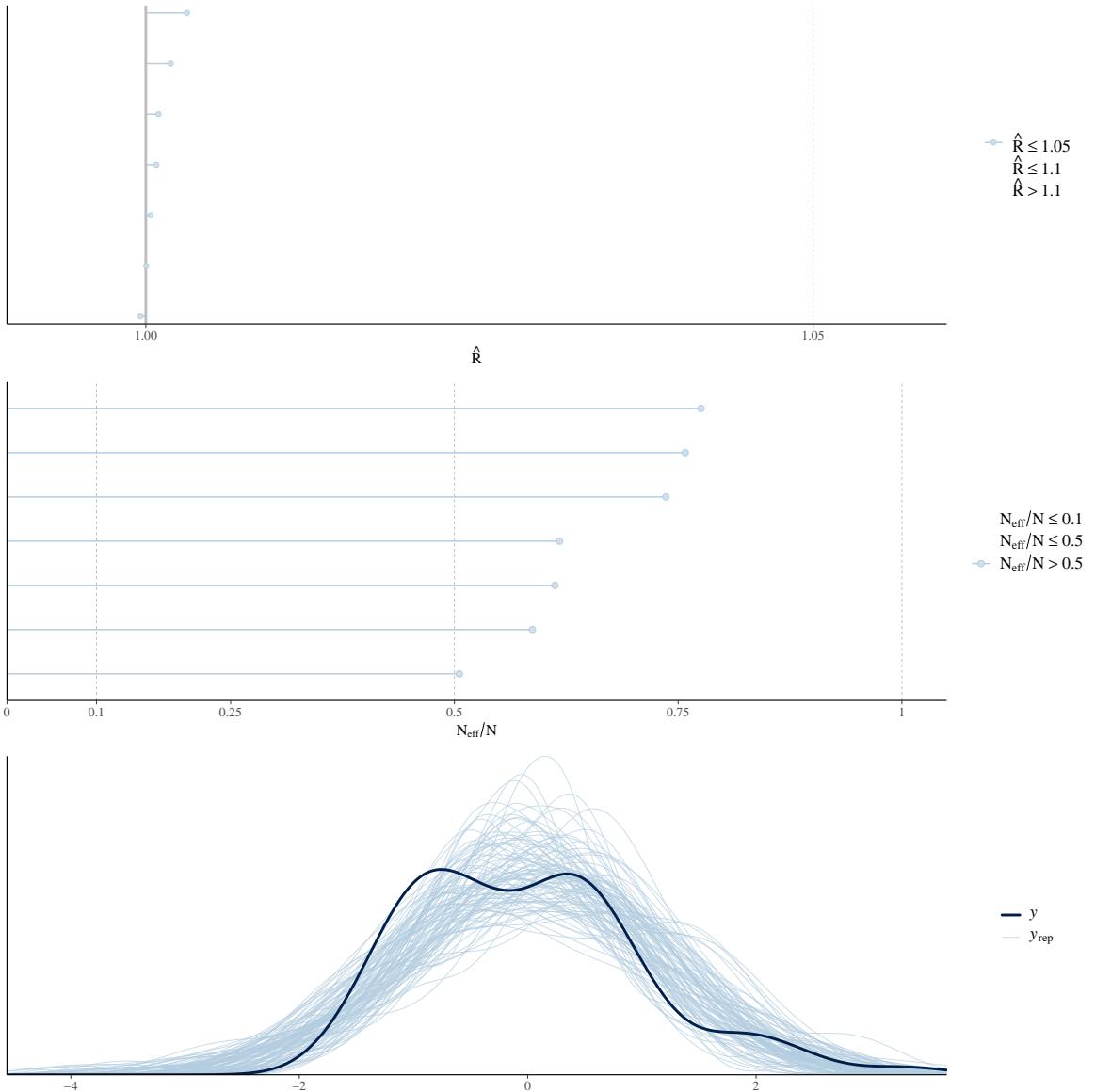
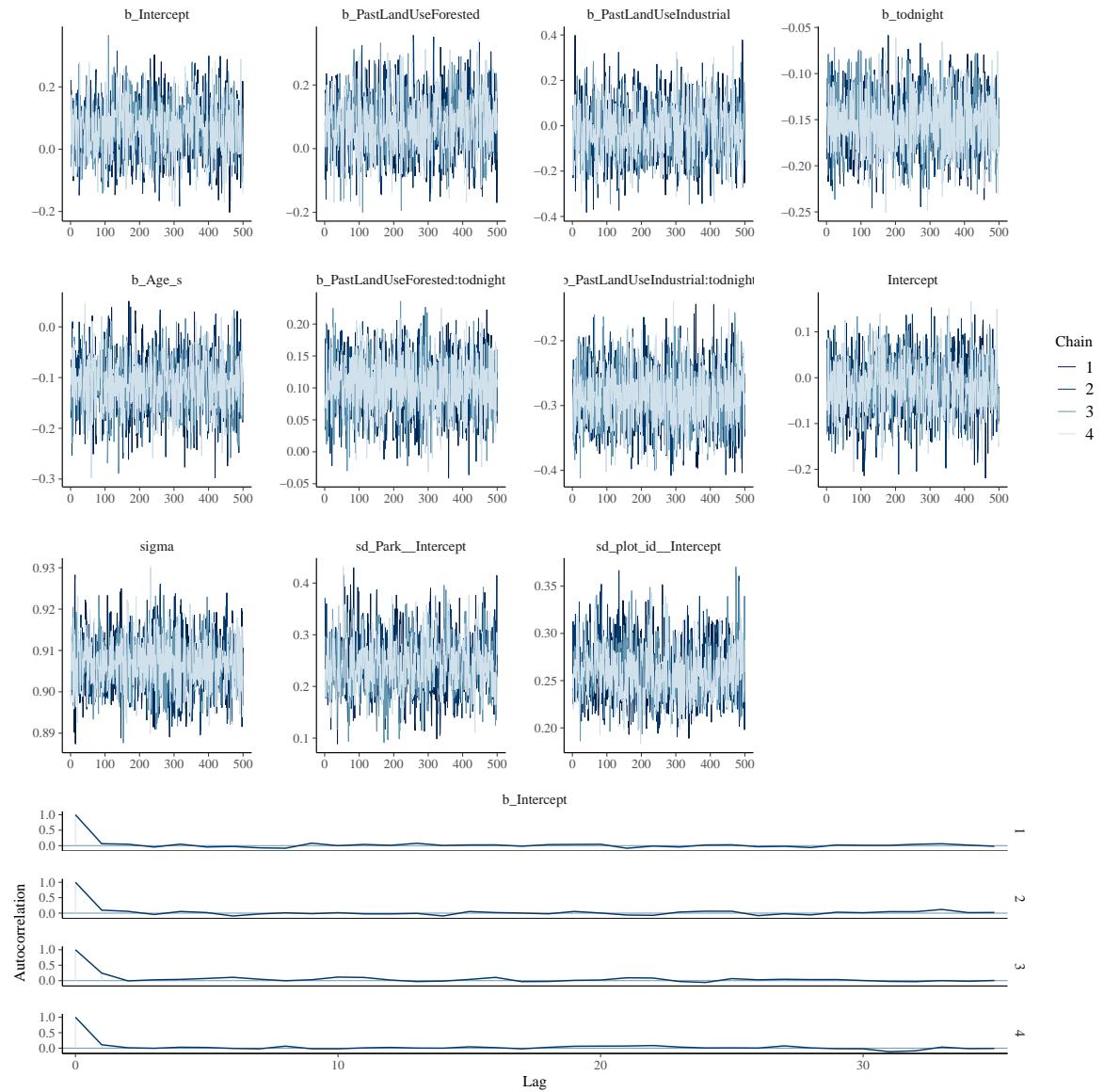


Figure S6f. Model 4 - Direct Effect of Past Land-Use on Large Tree (≥ 5 cm DBH) Species Richness



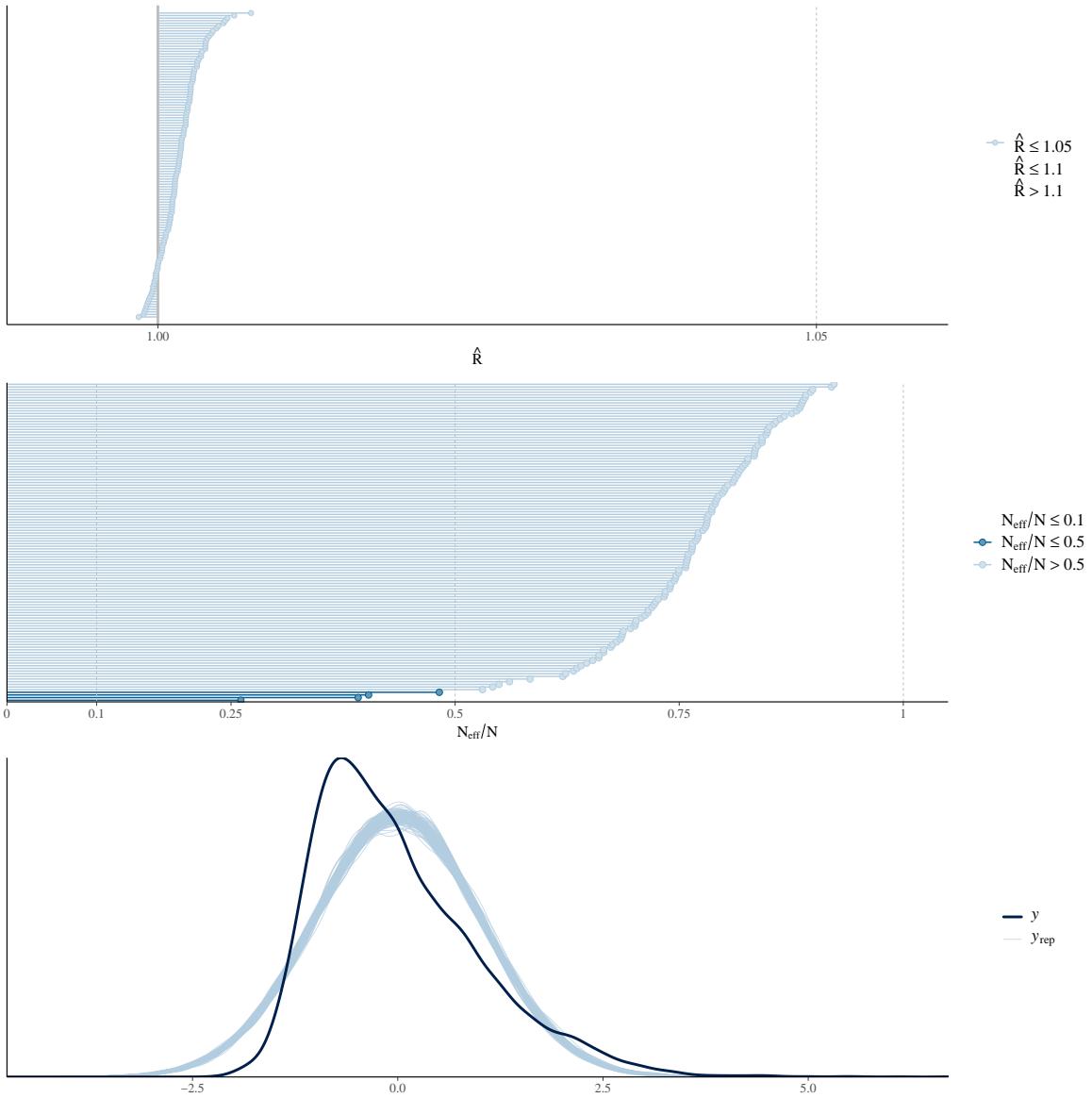


Figure S6g. Model 5 - Direct Effect of Forest Composition on Temperature

Figure S7

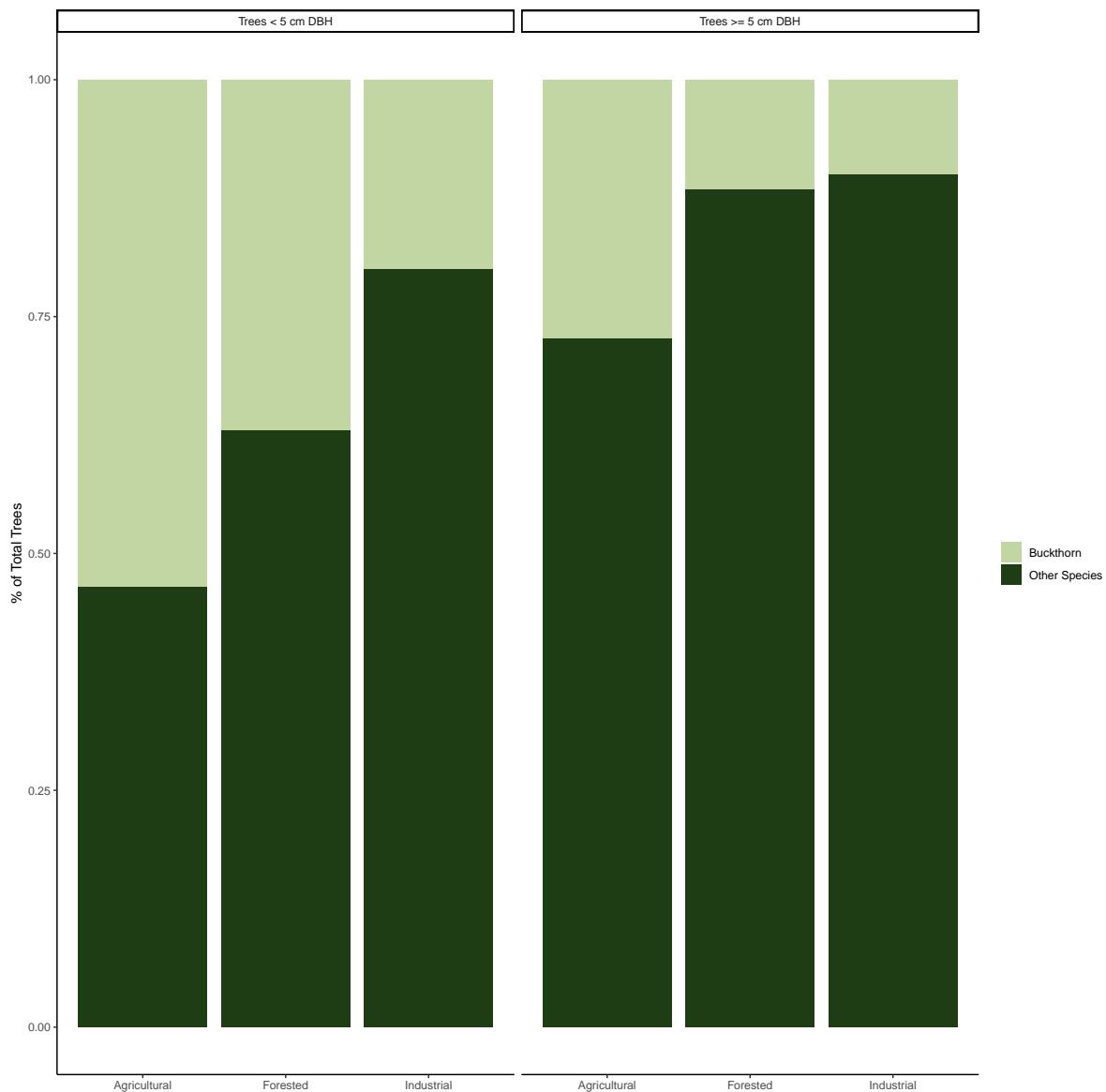


Figure S7. Proportion of common buckthorn (*Rhamnus cathartica*) across past land-use types for trees < 5 cm DBH and trees ≥ 5 cm DBH. Proportions were calculated across all plots and parks. All other species observed were pooled for the “Other Species” category.

Figure S8

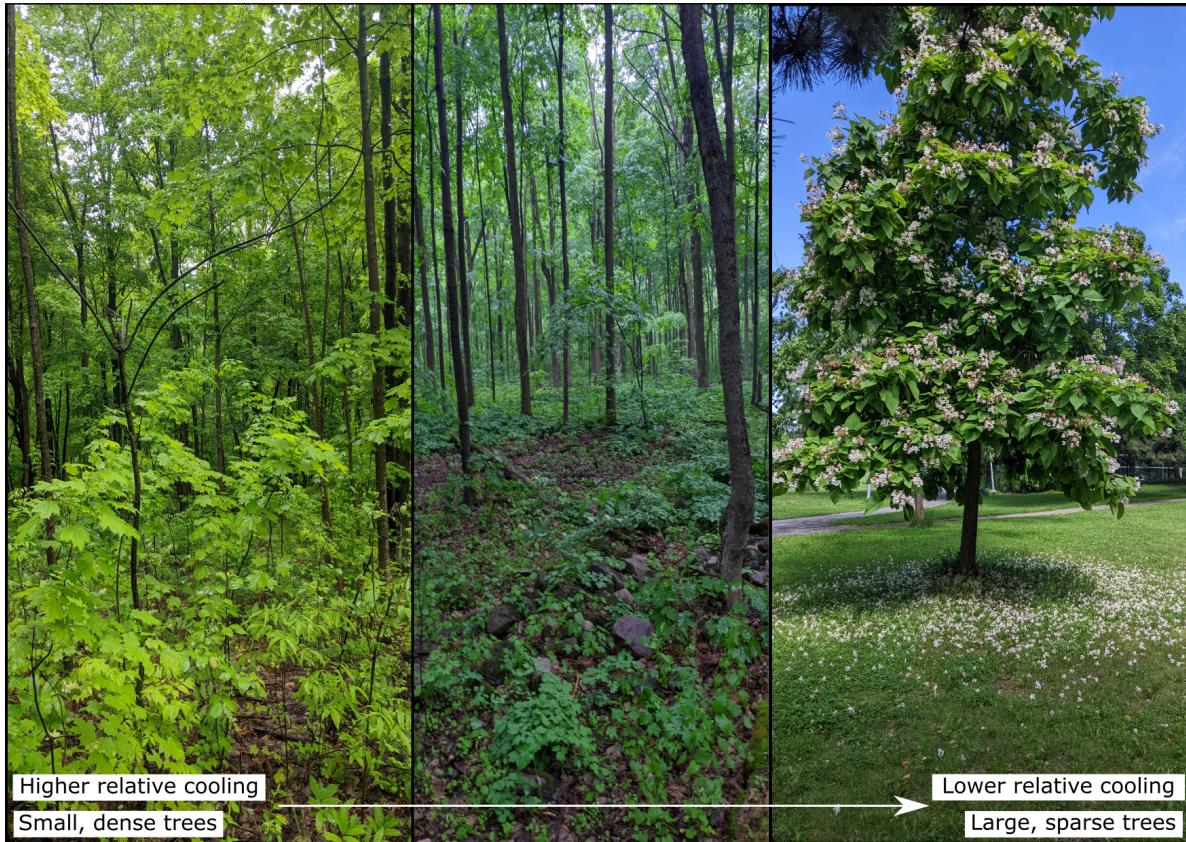


Figure S8. Examples of the trade-off that happens in urban parks, moving from areas with small, dense trees (often in previously forested or agricultural “nature” parks) to large, sparse trees (often found in more traditional “urban” parks). Photos taken by Isabella C Richmond.

Tables

Table S1.

Table S1. Historical data sources used to reconstruct history of park sites to extract previous land-cover type and age of park.

Title	Organization	Data.Type	Date	Link
D1900-1 : Parcs - Administration	Archives de Montréal	Historical documentation	[18-]-[19-]	https://archivesdemontreal.icat-atom.org/d1900-1-parcs-administration-18-19
D1901-18-1 : Parcs et terrains de jeux : Parc Baldwin - Historique.	Archives de Montréal	Historical documentation	[18-]-[19-]	https://archivesdemontreal.icat-atom.org/d1901-18-1-parcs-et-terrains-de-jeux-parc-baldwin-historique-18-19
D1901-38-30-3 : Parcs et terrains de jeux : Parc La Fontaine - Historique - Documents.	Archives de Montréal	Historical documentation	[18-]-[19-]	https://archivesdemontreal.icat-atom.org/d1901-38-30-3-parcs-et-terrains-de-jeux-parc-la-fontaine-historique-documents-18-19
D1925-2 : Parcs - Jardin botanique : Historique.	Archives de Montréal	Historical documentation	[18-]-[19-]	https://archivesdemontreal.icat-atom.org/d1925-2-parcs-jardin-botanique-historique-19
D1925-3 : Parcs - Jardin botanique : Construction.	Archives de Montréal	Historical documentation	[19-]	https://archivesdemontreal.icat-atom.org/d1925-3-parcs-jardin-botanique-construction-19
D3040-12-A : Ile Bizard : Général.	Archives de Montréal	Historical documentation	[19-]	https://archivesdemontreal.icat-atom.org/d3040-12-a-ile-bizard-general-19
D3050-23-19 : Ville - Pierrefonds : Parcs.	Archives de Montréal	Historical documentation	[19-]	https://archivesdemontreal.icat-atom.org/d3050-23-19-ville-pierrefonds-parcs-19

(continued)

Title	Organization	Data.Type	Date	Link
D1900-A-4 : Parcs et terrains de jeux - Répertoire alphabétique : Général.	Archives de Montréal	Historical documentation	Après 1957	https://archivesdemontreal.icatatom.org/d1900-a-4-parcs-et-terrains-de-jeux-repertoire-alphabetique-general-apres-1957
D1900-A-4 : Parcs et terrains de jeux - Répertoire alphabétique : Général.	Archives de Montréal	Historical documentation	Avant 1958	https://archivesdemontreal.icatatom.org/d1900-a-4-parcs-et-terrains-de-jeux-repertoire-alphabetique-general-avant-1958
D1901-17-1 : Parcs et terrains de jeux - Île Sainte-Hélène : Historique.	Archives de Montréal	Historical documentation	Avant 1961	https://archivesdemontreal.icatatom.org/d1901-17-1-parcs-et-terrains-de-jeux-ile-sainte-helene-historique-avant-1961
D1900-A-1 : Parcs et terrains de jeux : Général.	Archives de Montréal	Historical documentation	Après 1971	https://archivesdemontreal.icatatom.org/d1900-a-4-parcs-et-terrains-de-jeux-repertoire-alphabetique-general-avant-1958
D1900-A-1 : Parcs et terrains de jeux : Général.	Archives de Montréal	Historical documentation	Avant 1972	https://archivesdemontreal.icatatom.org/d1900-a-1-parcs-et-terrains-de-jeux-general-avant-1972
Photothèque 1930-2003	Division de la géomatique	Satellite imagery	1930-2003	https://www.arcgis.com/apps/webappviewer/index.html#/a3f3a3a3a3a3a3a3

(continued)

Title	Organization	Data.Type	Date	Link
Carte de localisation des anciennes carrières et des dépôts de surface de la Ville de Montréal	Division Soutien Technique, Infrastructures, CESM	Historical documentation, spatial data	2023	https://www.arcgis.com/apps/webappviewer/index.html#/a3f3a3a3a3a3a3a3
Angrignon	Personal website	Historical documentation		https://www.angrignon.ca/gene/indexg1.html
Analyse de la valeur patrimoniale de la Maison Jacques Richer dit Louveteau	Arrondissement Pierrefonds-Roxboro	Historical documentation	2008	http://ville.montreal.qc.ca/pls/portal/docs/PAT/...
Le parc Thomas-Chapais	WWF	Historical documentation	2016	https://wwf.ca/wp-content/uploads/2016/11/Thomas-Chapais_Caract%C3%A9ristiques_%C3%A9co...
Historique de Tétreaultville	Comité citoyen du parc Thomas-Chapais	Historical documentation		https://comitecitoyenduparcthomas-chapais.ca/historique/
Le Douglas: une longue histoire d'excellence	Douglas Research Centre	Historical documentation		https://douglas.research.mcgill.ca/fr/historique
Le boisé de Saint-Sulpice	Blog	Historical documentation	2020	https://floraurbana2.blogspot.com/2020/06/le-boise-de-saint-sulpice.html

(continued)

Title	Organization	Data.Type	Date	Link
Ancien Dépotoir du Boisé de l'Heritage	Gestion des Lieux Contaminés	Historical documentation	1987	https://drive.google.com/file/u/1/d/133J0w0G
Ancien Dépotoir Beaubien	Gestion des Lieux Contaminés	Historical documentation	1991	https://drive.google.com/file/u/1/d/133J0w0G
Extrémité Sud et Sud-Ouest de l'Ile-des-Soeurs	Gestion des Lieux Contaminés	Historical documentation	1991	https://drive.google.com/file/u/1/d/133J0w0G
Commission de toponymie	Gouvernement du Québec	Historical documentation	2023	https://toponymie.gouv.qc.ca/ct/
Maison Saint-Gabriel	Grand répertoire du patrimoine bâti de Montréal	Historical documentation	2012	http://patrimoine.ville.montreal.qc.ca/inventaire
Ancien Dépotoir du Parc Lafond	Group d'étude et de restauration des lieux d'élimination des déchets dangereux	Historical documentation		https://drive.google.com/file/d/1egb2BQx4WXBPaGbY/view
Détection de biogaz au Parc Baldwin	Ville de Montréal	Historical map	1992	https://drive.google.com/file/u/1/d/1HkSGrBr

(continued)

Title	Organization	Data.Type	Date	Link
Parc-nature de l'Anse-à-l'Orme	Laboratoire d'histoire et de patrimoine de Montréal	Historical documentation		https://chronomontreal.uqam.ca/chronologie/2-parc-nature-de-l-anse-a-l-orme
Parc-nature du Bois-de-Liesse	Laboratoire d'histoire et de patrimoine de Montréal	Historical documentation		https://montreal.ca/toponymie/toponymes/parc-regional-du-bois-de-liesse
History of Centennial Hall and				
Memorial Park	Personal report	Historical documentation	2013	https://www.shbbhs.ca/j3/images/RAngellCon
Fritz Farm Planning Committee, N&V, Sep 1980	Town Hall report	Historical documentation	1980	http://home.linuxfocus.org/~guido/book-a-history-of-the-town-of-baie-d-urfe/then-and-now/2020-08-09_1734-088-nv-sep-1980-fritz-park-planing.html
Le Domaine Saint-Sulpice, un quartier en partage	Société D'Histoire d'Ahuntsic-Cartierville	Historical documentation	2015	https://www.lashac.com/panneaux-historiques.html
Adrien-D. Archambault	Société Historique de Montréal	Historical documentation	2020	https://www.societehistoriquedemontreal.org/nouvelles/histoire/liste-des-presidents-depuis-la-fondation/adrien-d-archambault/

(continued)

Title	Organization	Data.Type	Date	Link
Parcours riverain	Ville de Montréal	Historical documentation, spatial data	2023	https://donnees.montreal.ca/dataset/parcours-riverain
Répertoire historique des toponymes	Ville de Montréal	Historical documentation	2023	https://montreal.ca/toponymie/
Le parc Frédéric-Back : une métamorphose unique	Ville de Montréal	Historical documentation	2023	https://montreal.ca/articles/le-parc-frederic-back-une-metamorphose-unique-18997

Table S2

Table S2. Park names, ID, legacies (i.e., past land use(s)), the municipalities parks are found in, and if they are in the City of Montreal, their borough, the year they were established, the number of temperature sensors deployed in each park, and the number of temperature sensors retrieved at the end of the season. An ID that begins with CON indicates a control sensor, found in a parking lot at least 500 m away from the associated park(s). Benny park had all three sensors stolen and was thus removed from the temperature analysis.

Park	Park.ID	Legacy.ies.	Municipality	Borough	Year Established	Sensors Deployed	Sensors Retrieved
Adrien-D-Archambault	IND1	Industrial	Montreal	Verdun	2002	3	3
Angrignon	FOR1, AGR1	Forested, Agricultural	Montreal	Le Sud-Ouest	1927	6	5
Arborétum du Jardin botanique	IND7	Industrial	Montreal	Rosemont-La Petite-Patrie	1936	3	3
Arthur-Therrien	IND2	Industrial	Montreal	Verdun	~ 1964	3	3

(continued)

Park	Park.ID	Legacy.ies.	Municipality	Borough	Year Established	Sensors Deployed	Sensors Retrieved
Baldwin	IND3	Industrial	Montreal	Le Plateau-Mont Royal	1909	3	3
Benny	AGR7	Agricultural	Montreal	Notre-Dame-de-Grâce	1965	3	0
Boisé-du-Saint-Sulpice	FOR4	Forested	Montreal	Ahuntsic-Cartierville	1990	3	3
Bois-de-Liesse	FOR2	Forested	Montreal	Pierrefonds-Roxboro / Saint-Laurent	1987	3	3
Bois-de-Saraguay	FOR3	Forested	Montreal	Ahuntsic-Cartierville	1987	3	3
Cap-Saint-Jacques	FOR5, AGR2	Forested, Agricultural	Montreal	Pierrefonds-Roxboro	1985	6	6
Centennial Hall	AGR8	Agricultural	Beaconsfield		1945	3	3
Coulée-Grou	FOR6	Forested	Montreal	Rivière-des-Prairie-Pointe-aux-Trembles	1988	3	3
Félix-Leclerc	IND5	Industrial	Montreal	Mercier-Hochelaga-Maisonneuve	1990	3	2
Frédéric-Back	IND6	Industrial	Montreal	Villeray-Saint Michel-Parc Extension	2016	3	2
Fritz	AGR9	Agricultural	Baie-d'Urfe		1979	3	3
Île-Bizard	FOR7, AGR3	Forested, Agricultural	Montreal	L'Île-Bizard-Sainte-Geneviève	1991	6	6

(continued)

Park	Park.ID	Legacy.ies.	Municipality	Borough	Year Established	Sensors Deployed	Sensors Retrieved
Jean-Drapeau	FOR8	Forested	Montreal	Ville-Marie	1908	3	3
L'Anse-à-L'Orme	FOR9, AGR4	Forested, Agricultural	Montreal	Pierrefonds-Roxboro / Saint-Laurent	1987	6	6
Lafond	IND8	Industrial	Montreal	Rosemont-La Petite-Patrie	1952-1955	3	3
Lafontaine	AGR5	Agricultural	Montreal	Le Plateau-Mont-Royal	1901	3	1
Lalancette	IND9	Industrial	Montreal	Mercier-Hochelaga-Maisonneuve	1922	3	1
Marguerite-Bourgeoys	AGR6	Agricultural	Montreal	Le Sud-Ouest	1913	3	3
Père-Marquette	IND11	Industrial	Montreal	Rosemont-La Petite-Patrie	1953	3	3
Pointe-Aux-Prairies	IND12, FOR10, AGR11	Industrial, Forested, Agricultural	Montreal	Rivière-des-Prairies-Pointe-aux-Trembles	1992	8	7
Promenade-Bellerive	IND13	Industrial	Montreal	Mercier-Hochelaga-Maisonneuve	1978	3	2
Saint-Gabriel	AGR10	Agricultural	Montreal	Le Sud-Ouest	1887	2	1
Thomas-Chapais	FOR11	Forested	Montreal	Mercier-Hochelaga-Maisonneuve	1960	3	1

(continued)

Park	Park.ID	Legacy.ies.	Municipality	Borough	Year Established	Sensors Deployed	Sensors Retrieved
Coulée-Grou + Pointe-Aux-Prairies	CON-PaP-CG	Control	Montreal	Rivière-des-Prairies-Pointe-aux-Trembles		1	1
Promenade-Bellerive	CON-P-B	Control				1	1
Félix-Leclerc	CON-F-L	Control				1	1
Frédéric-Back + Boisé-du-Saint-Sulpice	CON-FB-SS	Control				1	1
Arborétum du Jardin botanique + Lafond + Lalancette	CON-LAL-LAF-JAR	Control				1	1
Lafontaine + Baldwin + Jean-Drapeau	CON-LAF-BAL	Control				1	0 (supplemented sensor)
Père-Marquette	CON-P-M	Control				1	1
Marguerite-Bourgeoys + Saint-Gabriel	CON-MB-SG	Control				1	1
Adrien-D-Archambault	CON-ADA	Control				1	1
Arthur-Therrien	CON-AT	Control				1	1
Angrignon	CON-ANG	Control				1	1
Benny	CON-BEN	Control				1	1
Bois-de-Liesse	CON-BDL	Control				1	1

(continued)

Park	Park.ID	Legacy.ies.	Municipality	Borough	Year Established	Sensors Deployed	Sensors Retrieved
Bois-de-Saraguay	CON-BDS	Control				1	1
Île-Bizard	CON-IB	Control				1	1
Centennial Hall	CON-CENTENNIAL	Control				1	1
Fritz	CON-Fritz	Control				1	1
Cap-Saint-Jacques + L'Anse-à-L'Orme	CON-LALO-CSJ	Control				1	1