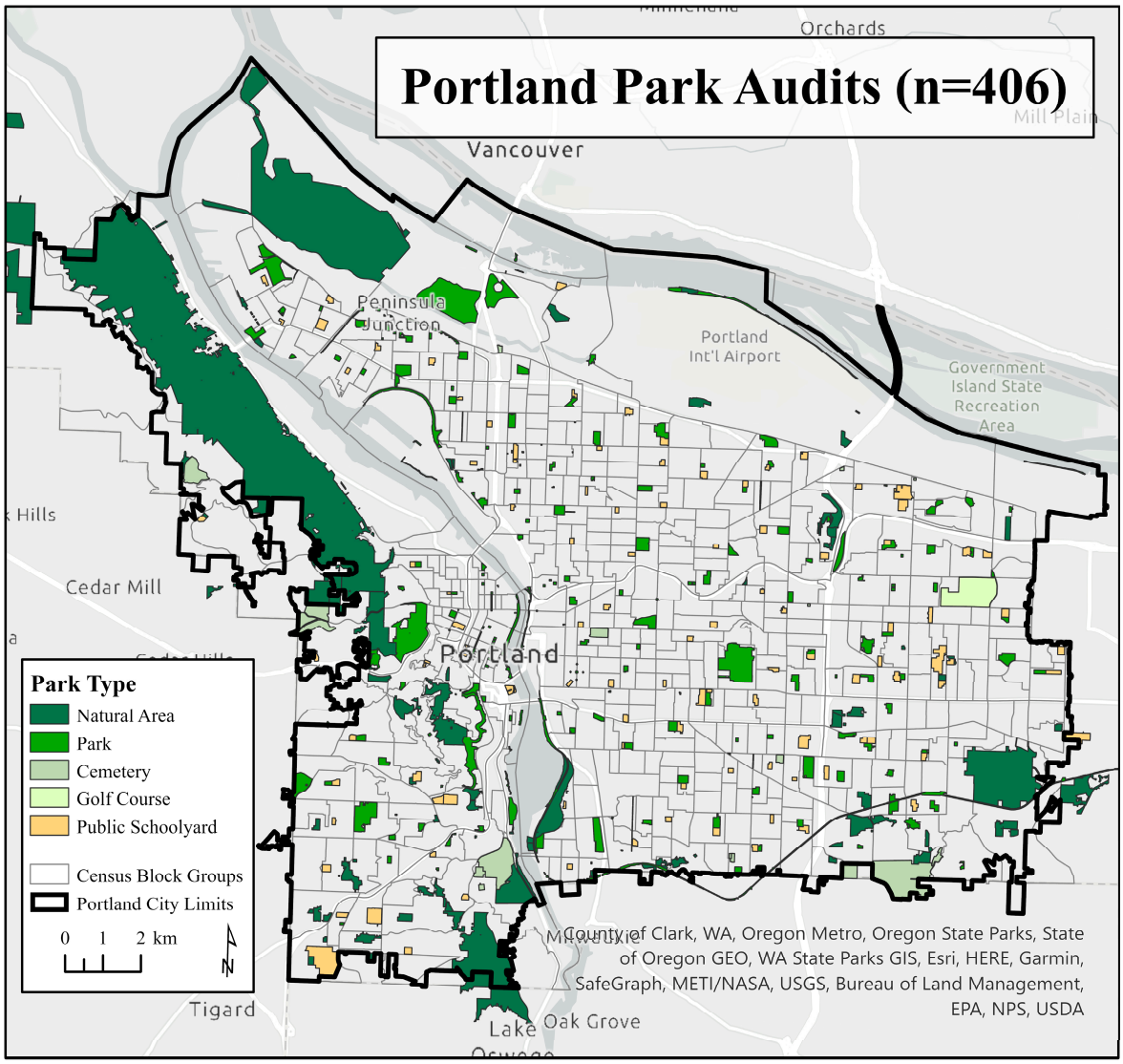


Figure S1. All audited parks (n=406), symbolized by park type.

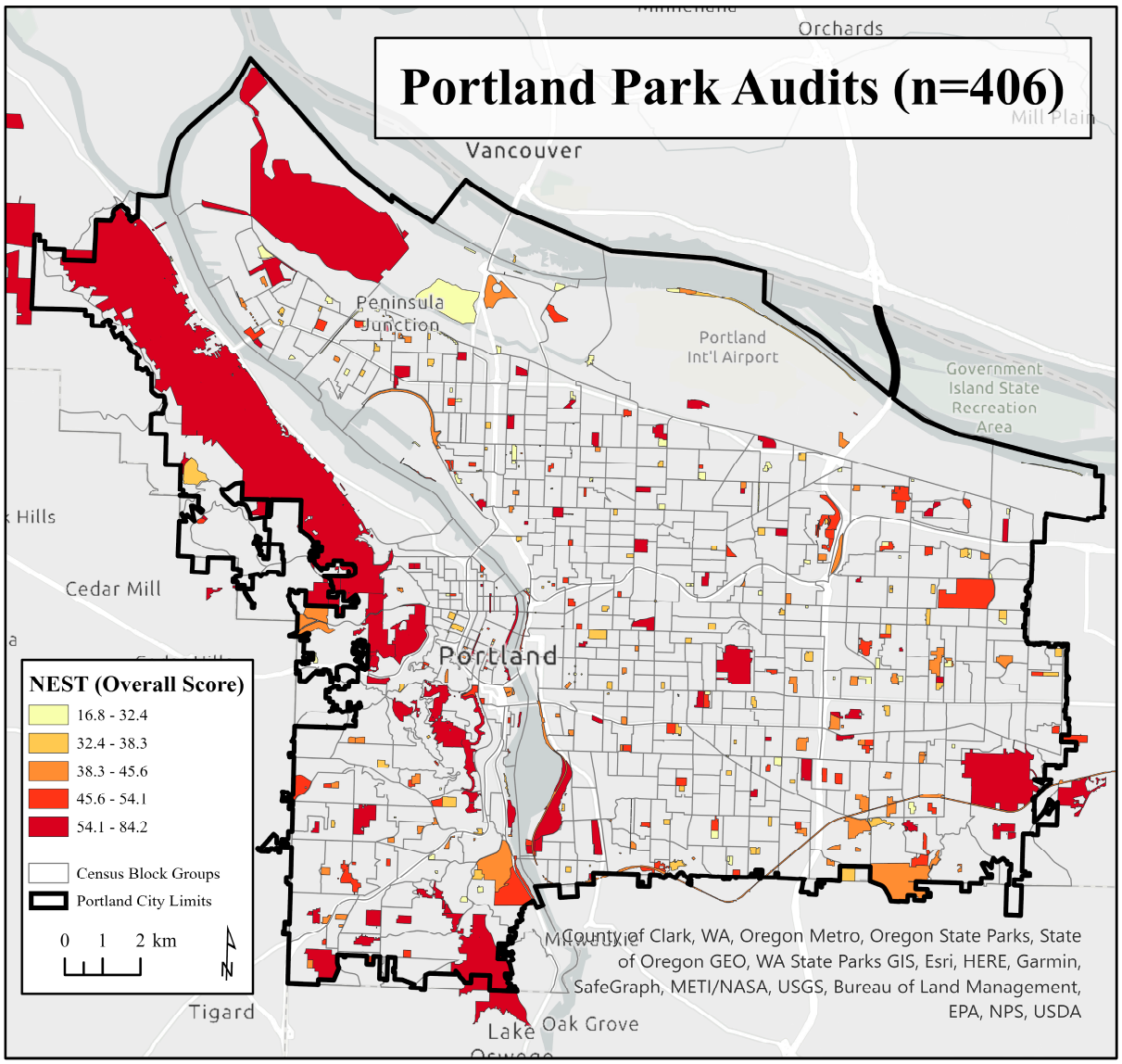


Figure S2. All audited parks (n=406), symbolized by Neighborhood Environment Scoring Tool (NEST) overall score [1].

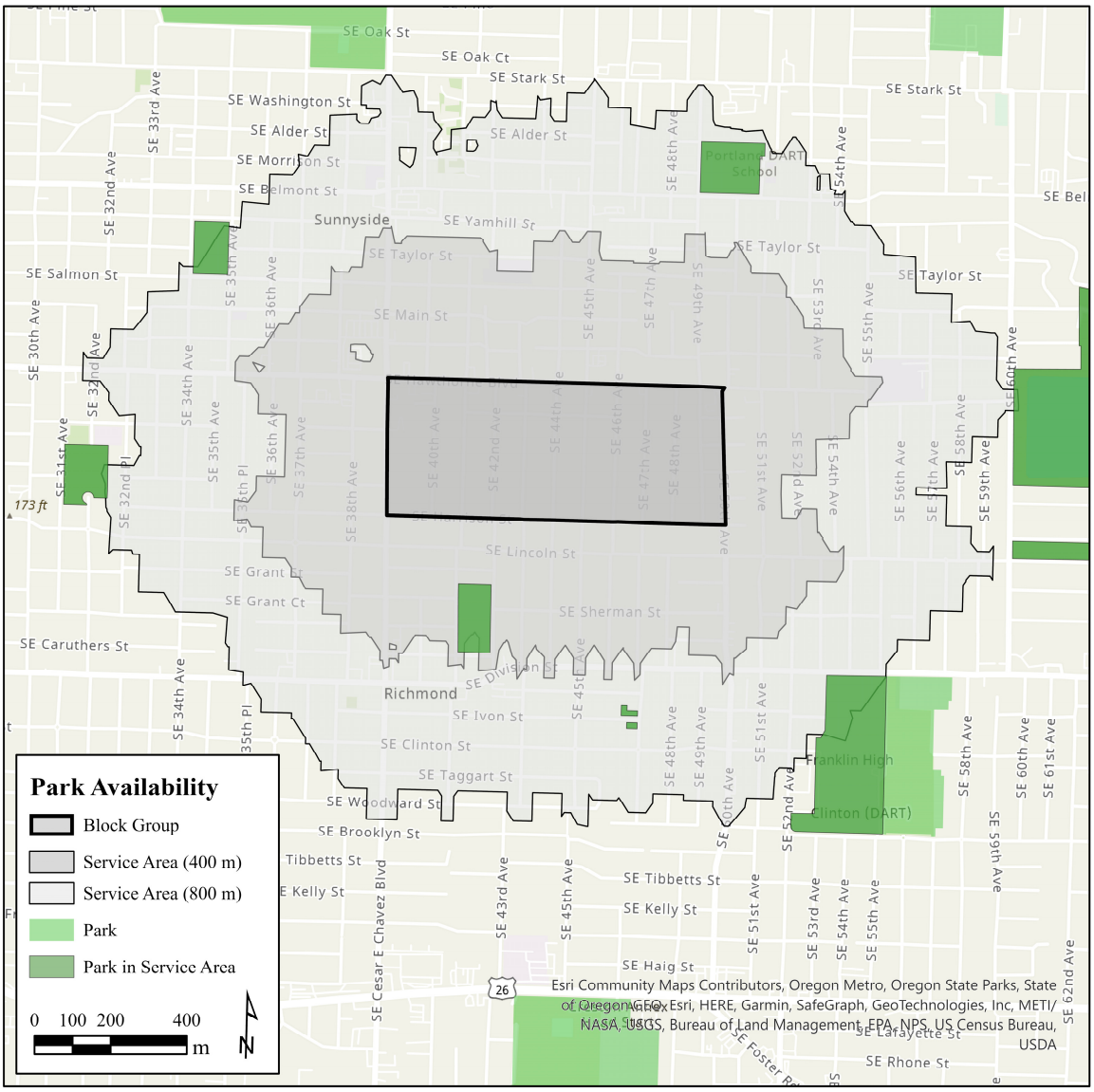


Figure S3. Park availability was defined as the number of parks and the area of parks, in hectares, accessible within the block group boundary and within 400 and 800 m walking distance from the block group boundary based on road network.

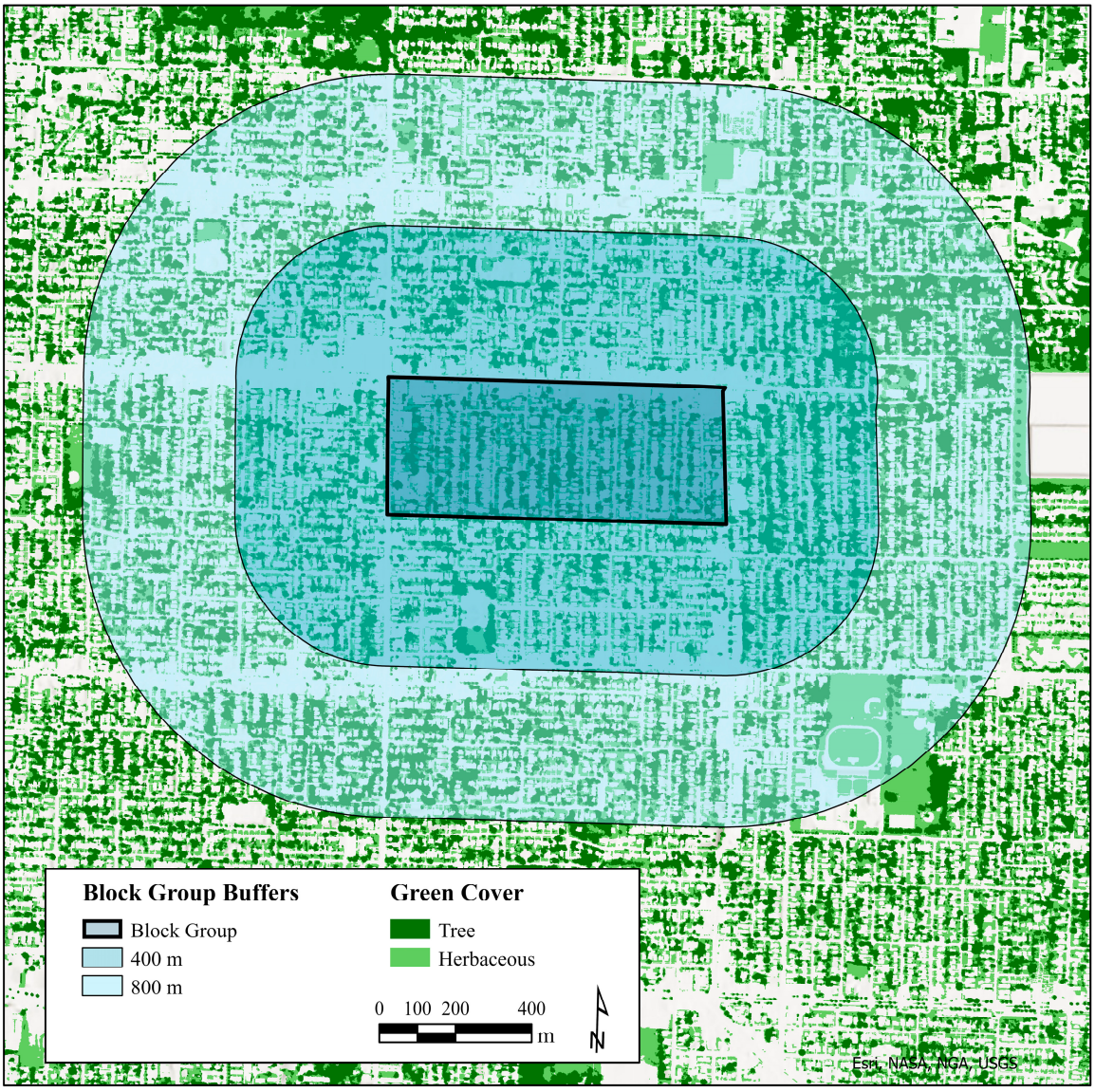


Figure S4. Green cover variables were defined as percent tree canopy cover and percent total vegetation (i.e., tree and herbaceous) within the block group boundary, within 400 m of block group boundary, and within 800 m of block group boundary.

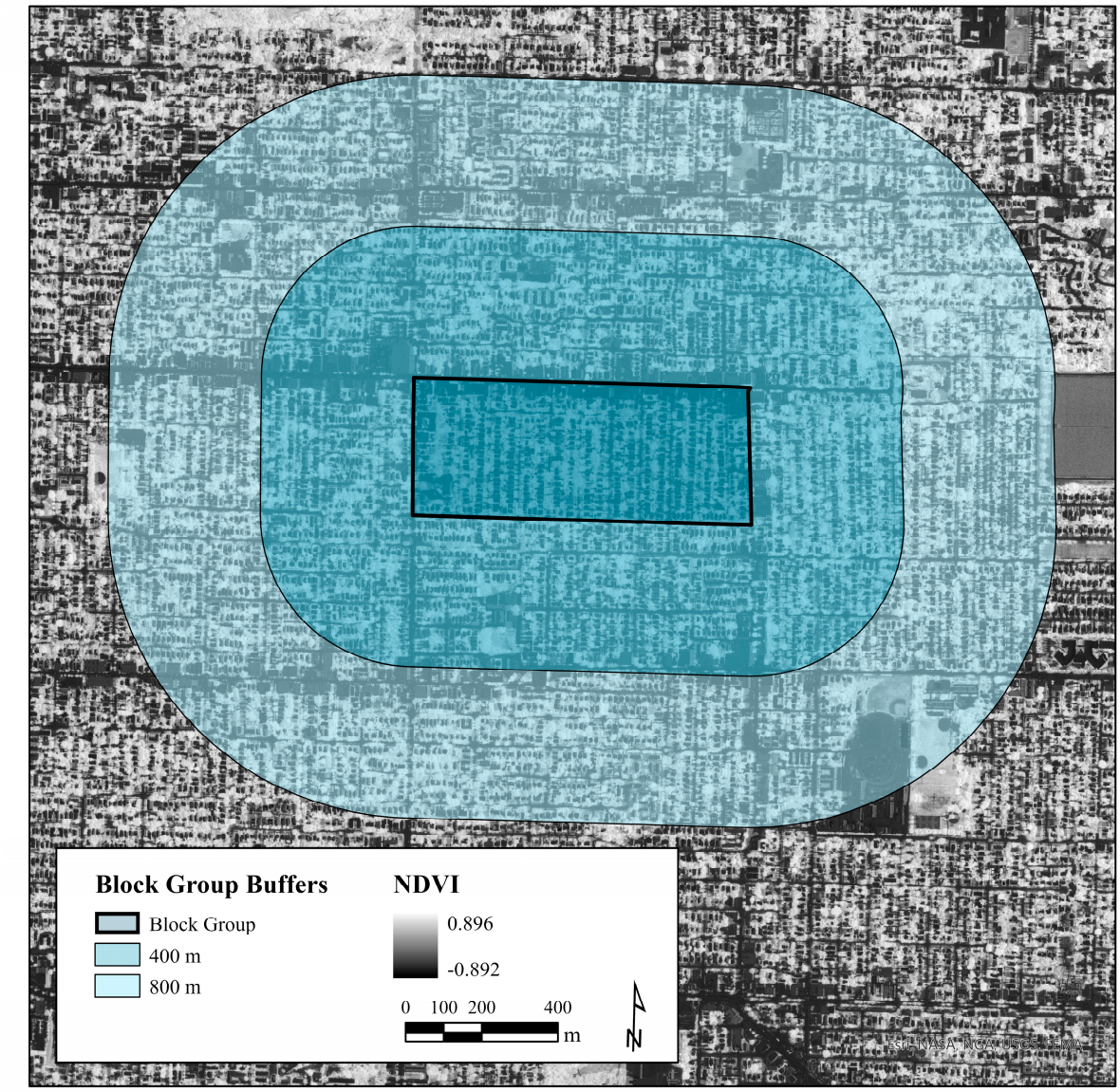


Figure S5. Cumulative normalized difference vegetation index (NDVI) was defined as the mean NDVI for all pixels within the block group boundary, within 400 m of block group boundary, and within 800 m of block group boundary.

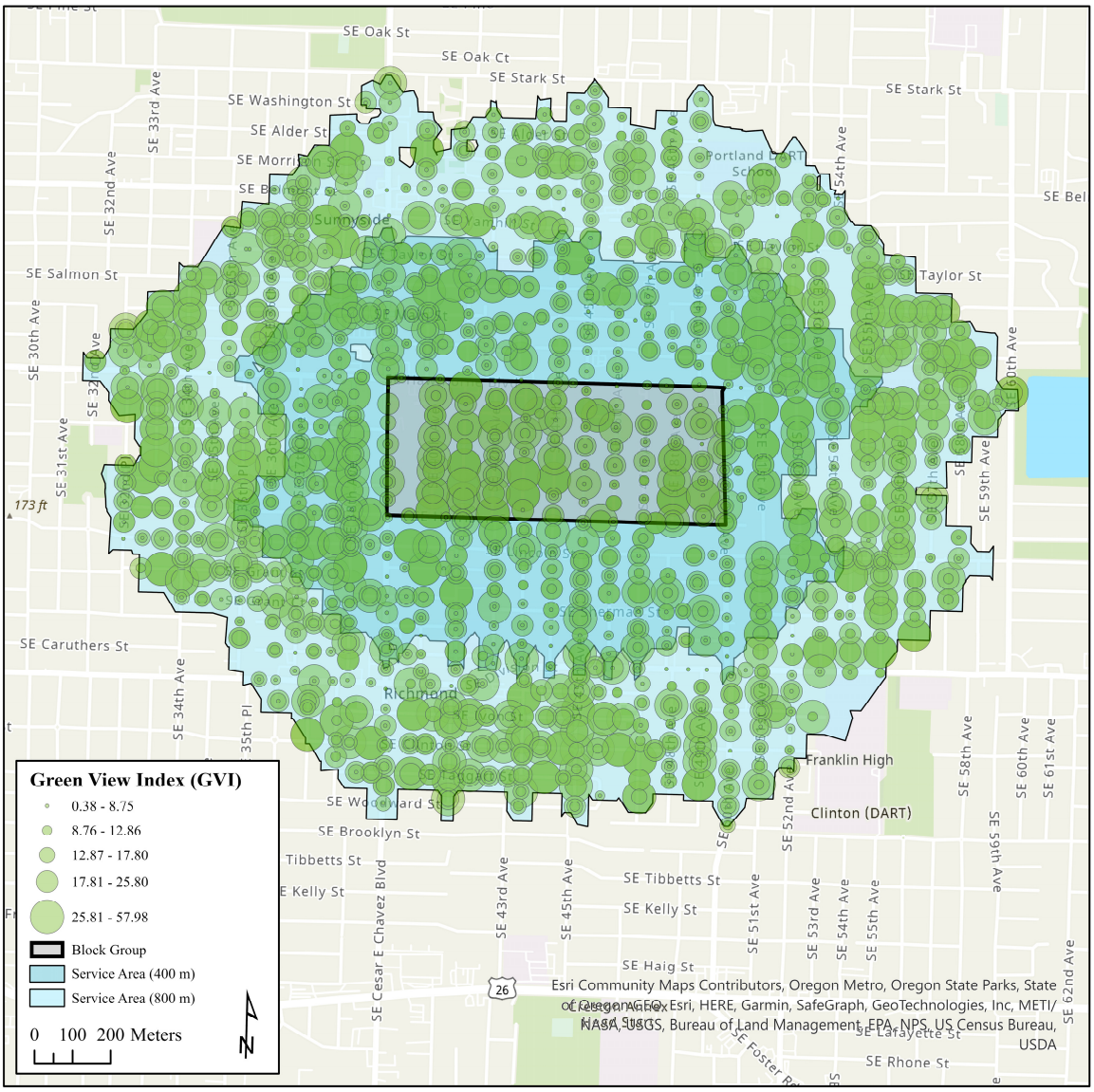


Figure S6. Green view index (GVI) was defined as the mean GVI for all points within the block group boundary and within 400 and 800 m walking distance from the block group boundary based on road network.

Table S1. Urban form index factors, adapted from Frank et al. [2–4].

Measure	**Definition**	**Data source**
Resident density	Residential units/acres in residential land use	Oregon Metro RLIS – Multifamily Housing Inventory; Taxlots
Street Connectivity	Number of intersections/km2	Oregon Metro RLIS – Streets
Land Use Mix [+]	Measure of evenness of distribution of residential, commercial, and educational buildings	Oregon Metro RLIS – Taxlots; Building Footprint Database
Sidewalk Accessibility	Length of sidewalks/total street length	Oregon Metro RLIS – Sidewalks – Beta; Streets
Bike Infrastructure Accessibility	Street length with bike lane infrastructure/total street length	Oregon Metro RLIS – Bike Routes; Streets

[+] Land Use Mix = A/ln(N) where:
A = (b1/a)*ln(b1/a) + (b2/a)*ln(b2/a) + (b3/a)*ln(b3/a) + (b4/a)*ln(b4/a) + (b5/a)*ln(b5/a)
a = total area (ft2) of land in single- and multi-family residential, commercial, mixed, and educational land uses
b1 = building footprint area (ft2) in single-family residential uses
b2 = building footprint area (ft2) in multi-family residential uses
b3 = building footprint area (ft2) in commercial uses
b4 = building footprint area (ft2) in mixed uses (i.e., combination of residential and commercial land uses)
b5 = building footprint area (ft2) in educational uses
N = number of land uses

Table S2: Bivariate Spearman correlation matrix for green cover variables.

	GVI	NDVI	TotTree	TotVeg	PriTree	PriVeg	RowTree	RowVeg	PrkTree
GVI	1.000								
NDVI	0.597	1.000							
TotTree	0.690	0.865	1.000						
TotVeg	0.483	0.929	0.785	1.000					
PriTree	0.542	0.873	0.922	0.809	1.000				
PriVeg	0.322	0.854	0.691	0.938	0.805	1.000			
RowTree	0.855	0.479	0.695	0.371	0.491	0.212	1.000		
RowVeg	0.809	0.687	0.714	0.624	0.599	0.479	0.810	1.000	
PrkTree	0.268	0.303	0.275	0.347	0.181	0.247	0.214	0.229	1.000
PrkVeg	0.204	0.297	0.228	0.368	0.165	0.270	0.124	0.178	0.944

GVI – green view index; NDVI - normalized difference vegetation index; Tot – total across all land uses;
Pri – private land; ROW – right-of-way; Prk – parkland; x_Tree – tree canopy cover; x_Veg – vegetation cover

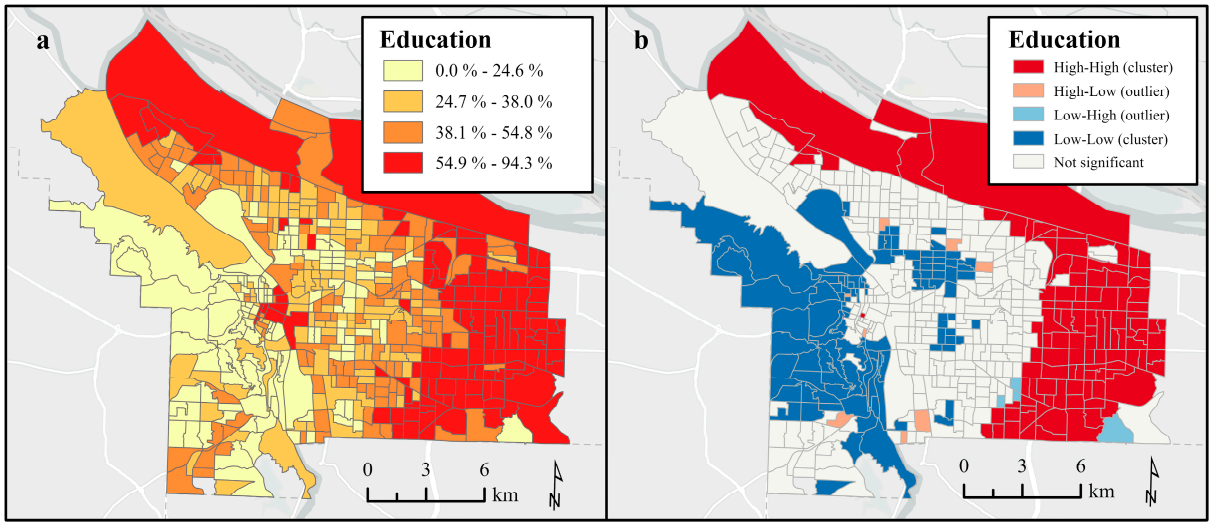


Figure S7. a) Percent of block group population with no postsecondary education grouped in quartiles (n=497); b) cluster analysis using Local Moran's *I* to identify clusters of block groups with high and low proportion of their populations with no postsecondary education.

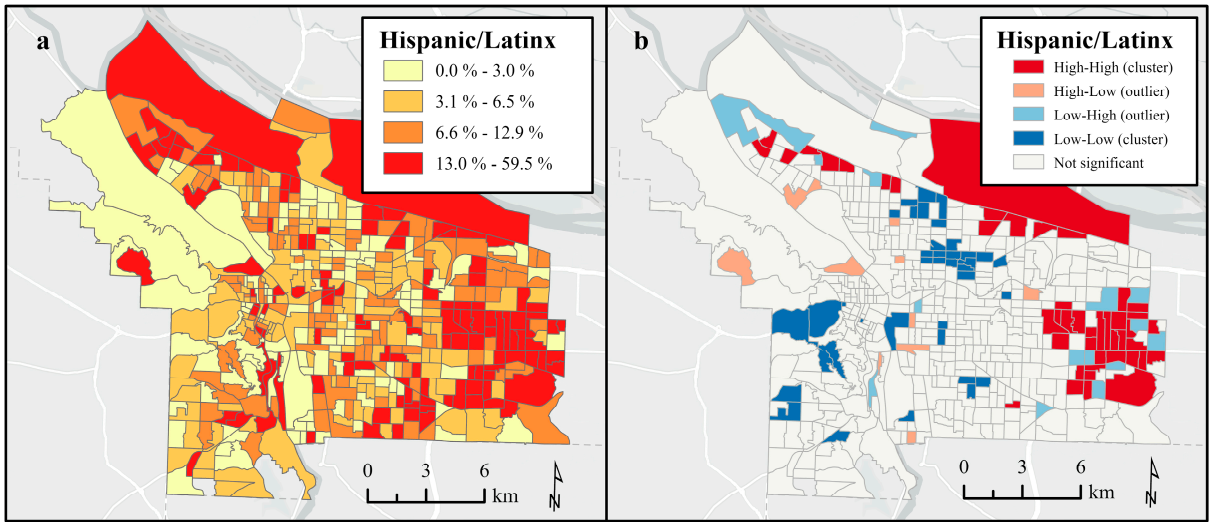


Figure S8. a) Block group percent Latinx grouped in quartiles (n=497); b) cluster analysis using Local Moran's I to identify clusters of block groups with high and low proportions of Latinx populations.

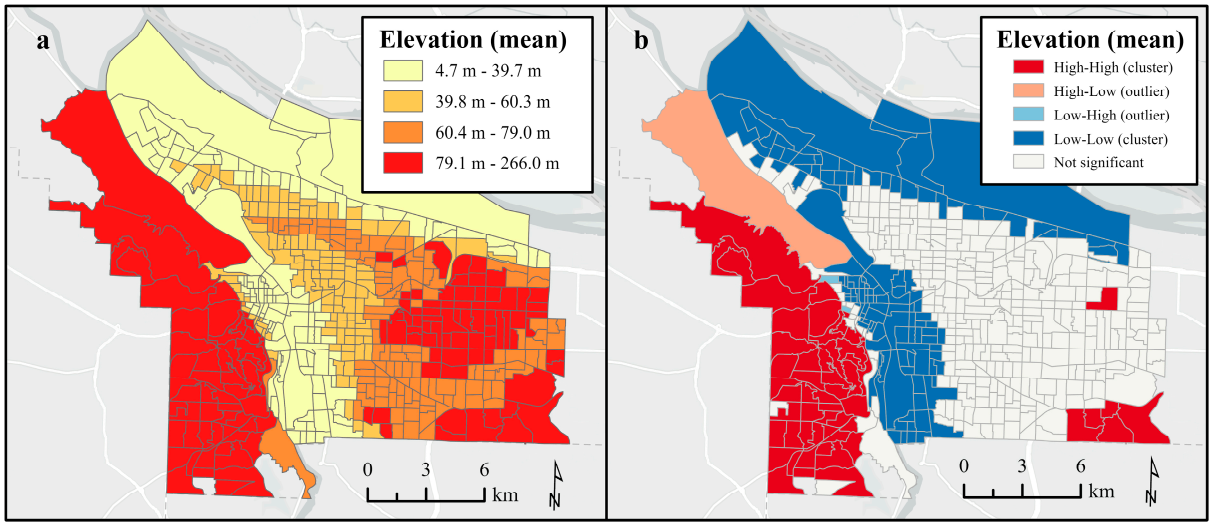


Figure S9. a) Block group mean elevation grouped in quartiles (n=497); b) cluster analysis using Local Moran's *I* to identify clusters of high and low mean elevation.

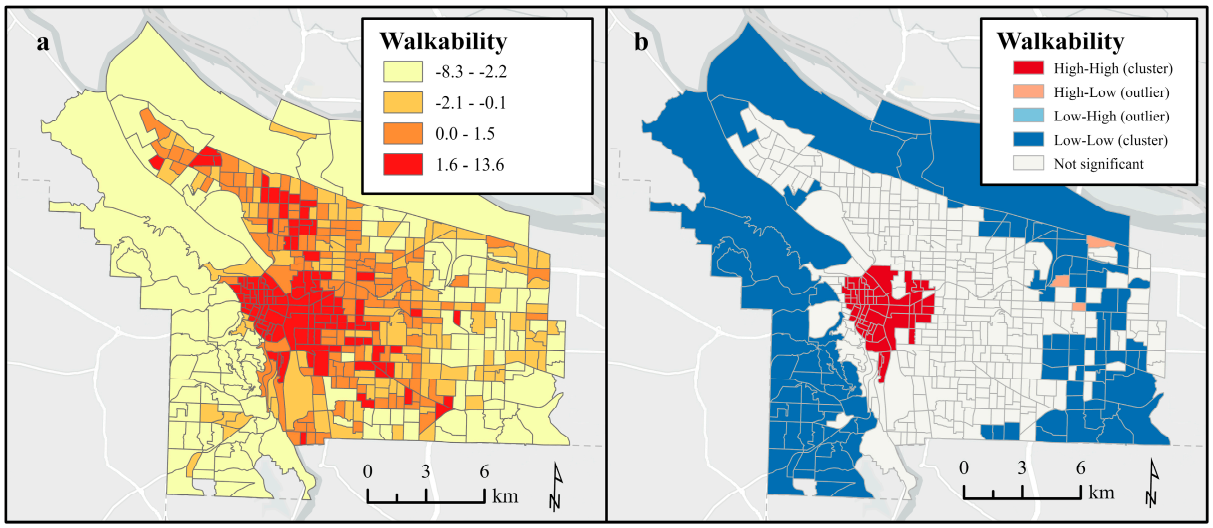


Figure S10. a) Block group neighborhood walkability index grouped in quartiles (n=497); b) cluster analysis using Local Moran's I to identify clusters of high and low neighborhood walkability indices.

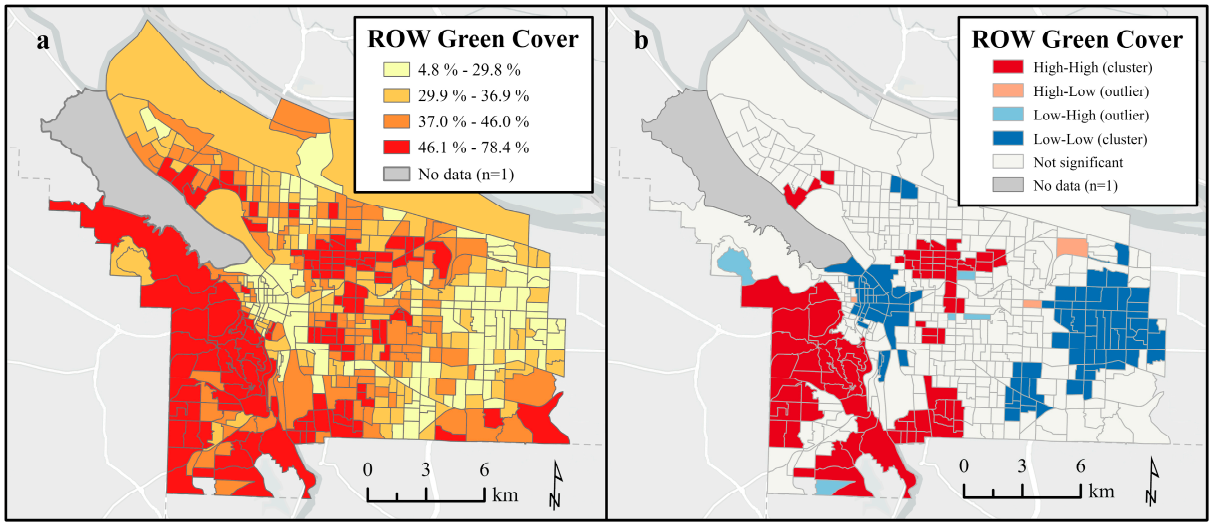


Figure S11. a) Block group percent right-of-way (ROW) green cover grouped in quartiles (n=496); b) cluster analysis using Local Moran's *I* to identify clusters of high and low right-of-way green cover.

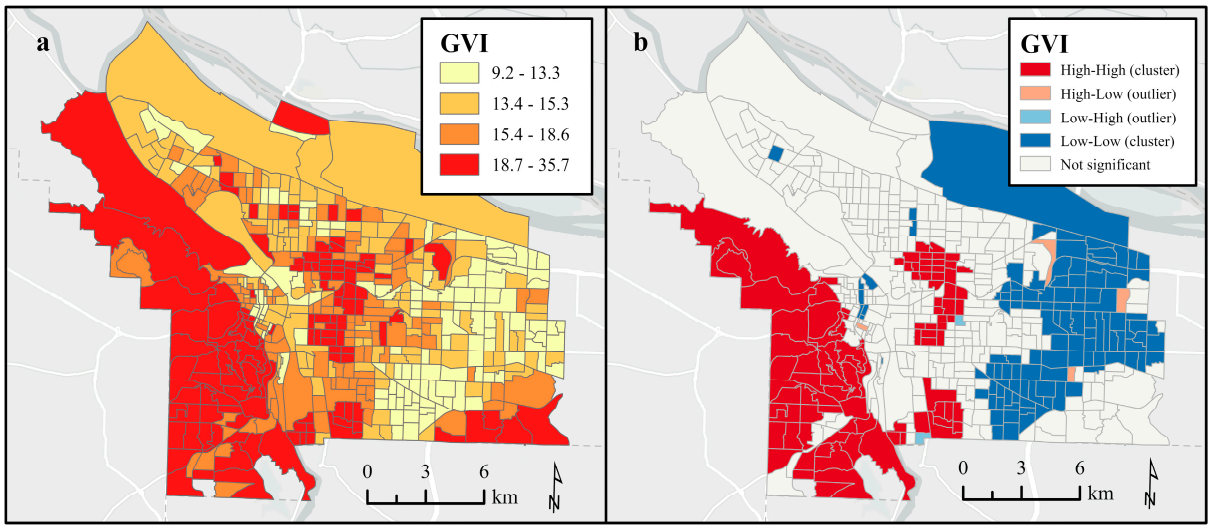


Figure S12. a) Block group Green View Index (GVI) grouped in quartiles (n=497); b) cluster analysis using Local Moran's *I* to identify clusters of high and low GVI.

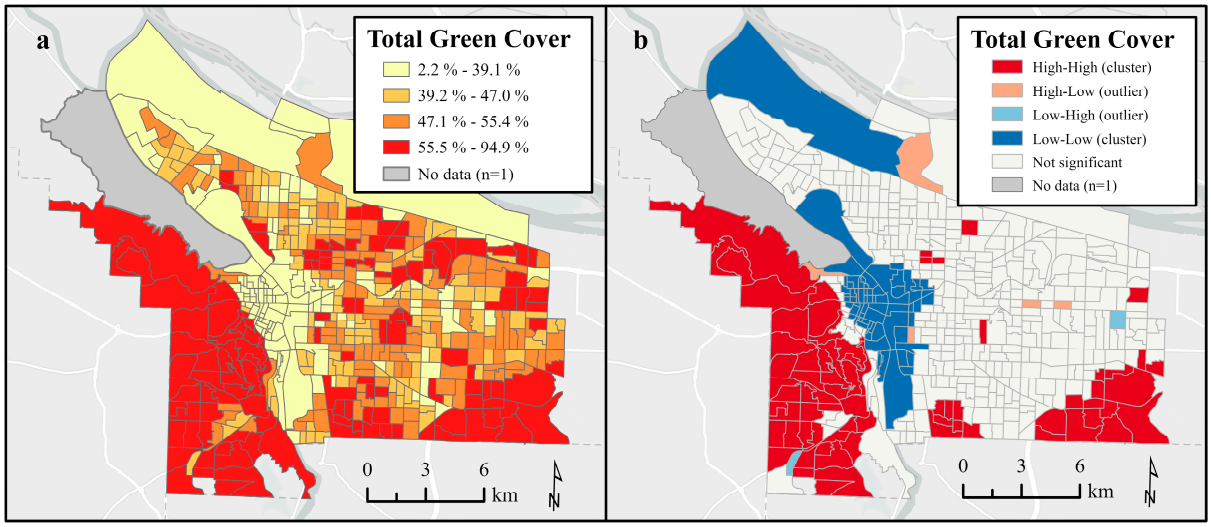


Figure S13. a) Block group percent total green cover grouped in quartiles (n=496); b) cluster analysis using Local Moran's I to identify clusters of high and low total green cover.

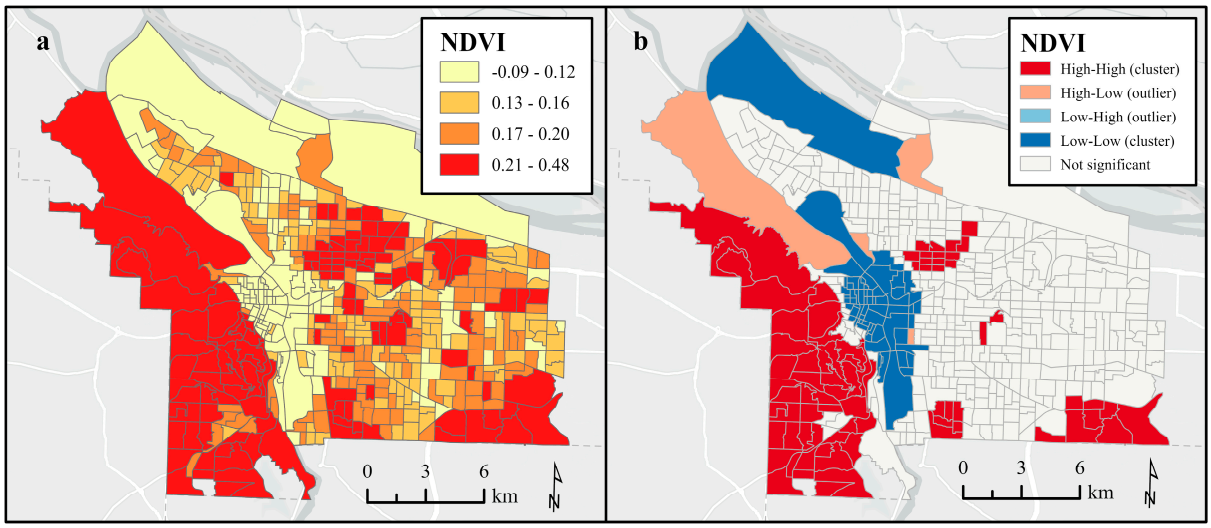


Figure S14. a) Block group mean normalized difference vegetation index (NDVI) grouped in quartiles (n=496); b) cluster analysis using Local Moran's *I* to identify clusters of high and low NDVI.

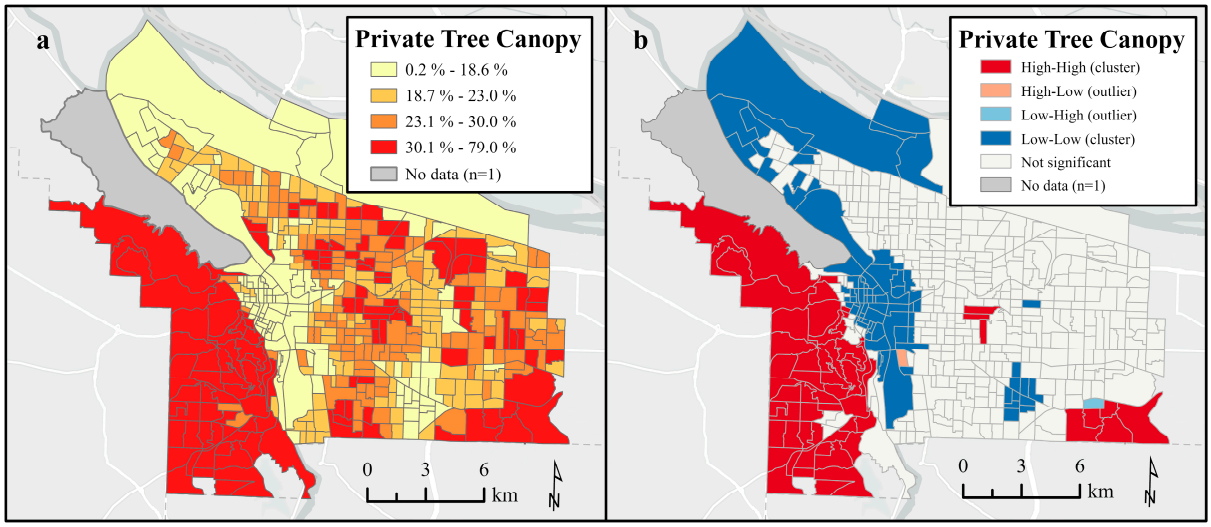


Figure S15. a) Block group percent private tree canopy cover, in quartiles (N=496); b) cluster analysis using Local Moran's *I* to identify clusters of block groups with high and low private tree canopy cover.

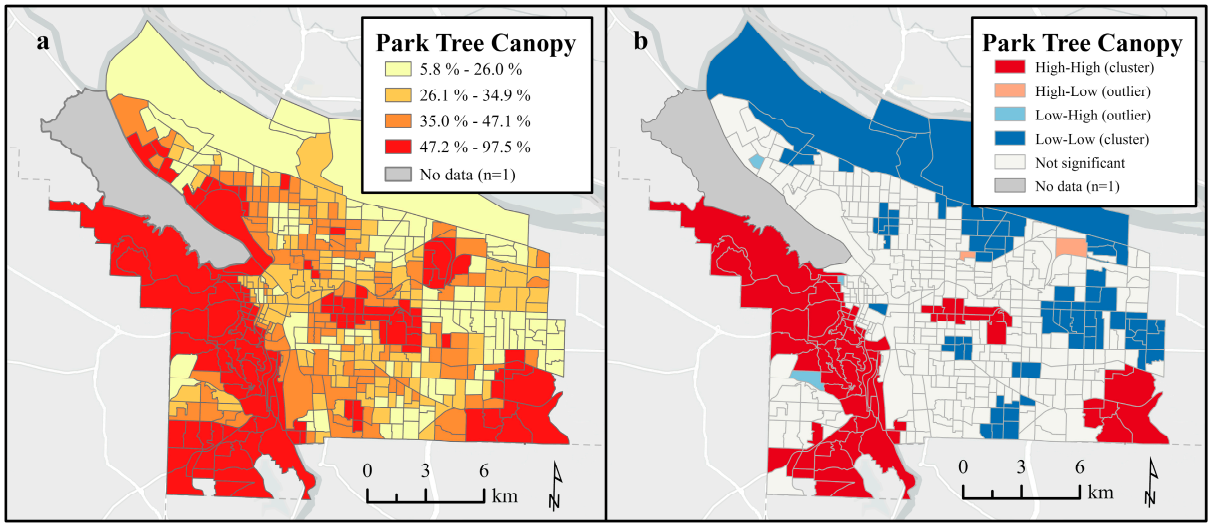


Figure S16. a) Block group percent parkland tree canopy cover, in quartiles (N=496); b) cluster analysis using Local Moran's *I* to identify clusters of block groups with high and low parkland tree canopy cover.

Table S3. Summary of Spearman's rank correlation coefficients (r_s) between race, income, education, ethnicity, and green space with, at minimum, moderate correlations ($|r_s|>0.3$).

Green Space Variable	**Race** *(Percent minoritized racial population)*	**Income** *(Median household income)*	**Education** (*Percent no postsecondary education*)	**Ethnicity** (*Percent Latinx*)
ROW_Tree_800	-0.72	0.47	-0.69	-0.33
ROW_Tree_400	-0.73	0.48	-0.68	-0.34
ROW_Tree_BG	-0.68	0.46	-0.61	-0.33
ROW_Veg_800	-0.64	0.53	-0.47	-
ROW_Veg_400	-0.65	0.56	-0.49	-
ROW_Veg_BG	-0.61	0.56	-0.48	-0.33
GVI_800	-0.71	0.50	-0.63	-0.32
GVI_400	-0.71	0.50	-0.61	-0.34
GVI_BG	-0.65	0.48	-0.54	-0.32
Tot_Tree_800	-0.46	0.35	-0.31	-
Tot_Tree_400	-0.48	0.40	-0.32	-
Tot_Tree_BG	-0.43	0.43	-	-
Tot_Veg_400	-	0.36	-	-
Tot_Veg_BG	-	0.43	-	-
NDVI_800	-0.33	0.36	-	-
NDVI_400	-0.36	0.42	-	-
NDVI_BG	-0.33	0.46	-	-
Pri_Tree_400	-0.31	0.35	-	-
Pri_Tree_BG	-0.33	0.40	-	-
Pri_Veg_BG	-	0.36	-	-
Prk_Tree_800	-0.39	-	-0.33	-
Prk_Tree_400	-0.32	-	-	-
NEST_800	-	-	-0.31	-
NonNat_800	-	-	-0.34	-

ROW – right-of-way; GVI – green view index; Tot – total across all land uses; Pri – private land; Prk – parkland; NEST – Neighborhood Environment Scoring Tool (NEST) overall score; NonNat – Neighborhood Environment Scoring Tool (NEST) non-natural aesthetics domain; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary; x_800 – within 800 m of block group boundary

Table S4. Summary of Spearman's rank correlation coefficients (r_s) with moderate correlations ($|r_s|>0.3$) between green space, elevation, and neighborhood walkability index. [a]

Green Space Variable	**Elevation** *(mean)*	**Neighborhood Walkability Index**
Pri_Veg_800	0.79	-0.7
Pri_Veg_400	0.74	-0.7
Pri_Veg_BG	0.67	-0.73
Pri_Tree_800	0.74	-0.54
Pri_Tree_400	0.7	-0.56
Pri_Tree_BG	0.62	-0.57
Tot_Veg_800	0.72	-0.68
Tot_Veg_400	0.67	-0.67
Tot_Veg_BG	0.59	-0.68
NDVI_800	0.67	-0.59
NDVI_400	0.63	-0.58
NDVI_BG	0.57	-0.59
Tot_Tree_800	0.57	-0.4
Tot_Tree_400	0.55	-0.42
Tot_Tree_BG	0.48	-0.43

ROW – right-of-way; GVI – green view index; Tot – total across all land uses; Pri – private land; Prk – parkland; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary; x_800 – within 800 m of block group boundary

[a] only included correlations for green space variables that exhibited moderate or strong correlations with sociodemographic variables or met OLS model inclusion criteria

Table S5. Ordinary least squares (OLS) standardized regression coefficients (β) and adjusted-R^2 for models with one significant Census variable (p<0.05) and no spatial autocorrelation of residuals in spatial autoregressive modeling.

Green Space Variable	Census Variable	β_{CV}	β_{ELEV}	β_{UF}	Adjusted-R^2
ROW_Tree_BG [a]	Race	-0.58	0.17	-0.04	0.39
ROW_Tree_BG [a]	Education	-0.58	0.14	-0.10	0.38
ROW_Tree_BG [a]	Income	0.53	0.16	0.14	0.31
ROW_Tree_BG [a]	Ethnicity	-0.3	0.24	0.02	0.15
ROW_Veg_BG	Income	0.55	0.03	-0.17	0.40
ROW_Veg_BG	Race	-0.53	0.06	-0.34	0.40
ROW_Veg_BG	Ethnicity	-0.33	0.11	-0.3	0.23
GVI_BG [a]	Education	-0.54	0.15	-0.22	0.38
GVI_BG [a]	Income	0.54	0.15	0.00	0.36
GVI_BG [a]	Ethnicity	-0.31	0.23	-0.12	0.19
Tot_Tree_400	Race	-0.32	0.62	-0.20	0.70
Tot_Tree_BG [a]	Race	-0.3	0.47	-0.28	0.57
Tot_Tree_BG [a]	Income	0.29	0.46	-0.19	0.55
Tot_Tree_BG [a]	Education	-0.29	0.46	-0.31	0.55
Tot_Veg_BG	Ethnicity	-0.1	0.33	-0.54	0.61
NDVI_BG	Income	0.27	0.36	-0.38	0.63
NDVI_BG	Race	-0.2	0.39	-0.45	0.60
Pri_Tree_BG	Income	0.24	0.51	-0.30	0.70
Pri_Tree_BG	Race	-0.24	0.52	-0.37	0.70
Pri_Tree_BG	Ethnicity	-0.14	0.55	-0.35	0.66
Prk_Tree_800	Education	-0.33	0.42	-0.01	0.31
Prk_Tree_400	Race	-0.29	0.38	0.00	0.25
Prk_Tree_800	Income	0.21	0.45	0.11	0.24
Prk_Tree_800	Ethnicity	-0.18	0.47	0.05	0.24
NatAes_400	Education	-0.22	0.21	-0.07	0.11
Usability_800	Education	-0.25	-0.05	-0.22	0.07
Amenity_400	Income	0.2	0.04	0.23	0.06
Amenity_400	Race	-0.14	0.06	0.18	0.04

β_{CV} – standardized regression coefficient for Census variable; β_{ELEV} – standardized regression coefficient for mean elevation; β_{UF} – standardized regression coefficient for urban form

ROW – right-of-way; GVI – green view index; Tot – total across all land uses; Pri – private land; Prk_ – parkland; NatAes – Neighborhood Environment Scoring Tool (NEST) natural aesthetic domain; Usability – NEST usability domain; Amenity – NEST amenities domain; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary

[a] response variable transformed (square-root transformation)

Table S6. Summary of spatial autoregressive (SAR) models with one Census variable (median household income) and no spatial autocorrelation of model residuals.

	ROW Tree Canopy [ab]	**ROW Vegetation** [b]	**GVI** [ab]	**Total Tree Canopy** [ab]	**NDVI** [b]	**Private Tree Canopy** [b]	**Park Tree Canopy** [d]	**NEST Amenities** [c]
Intercept	0.37 **	6.04 ***	0.96 ***	3.48 ***	0.01 *	11.49 ***	1.39	7.85 ***
Median household income ($10k)	0.07 ***	0.98 ***	0.03 ***	0.05 ***	4.0×10^{-3} ***	0.45 ***	0.27*	0.30 *
Elevation (mean)	6.90×10^{-5}	-0.01	-1.70×10^{-5}	0.01 ***	3.4×10^{-4} ***	0.15 ***	0.03 *	0.01
Urban form	-3.30×10^{-3}	-0.47 ***	-9.90×10^{-3}	-0.09 ***	-5.4×10^{-3} ***	-1.21 ***	-0.17	0.48*
Pseudo-R^2	0.64	0.60	0.61	0.66	0.73	0.76	0.66	0.29
SAR Type (SEM or SLAG) [e]	SLAG	SLAG	SLAG	SEM	SLAG	SEM	SLAG	SLAG

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

NDVI – normalized difference vegetation index; ROW – right-of-way; GVI – green view index; NEST – Neighborhood Environment Scoring Tool

[a] response variable transformed (square-root transformation)

[b] measured within block group boundaries

[c] measured within 400m of block group boundaries

[d] measured within 800m of block group boundaries

[e] SEM – Spatial error model; SLAG – spatial lag model

Table S7. Summary of spatial autoregressive (SAR) models with one Census variable (percent minoritized racial population) and no spatial autocorrelation of model residuals.

	ROW Tree Canopy [ab]	**ROW Vegetation** [b]	**Total Tree Canopy** [c]	**Total Tree Canopy** [ab]	**NDVI** [b]	**Private Tree Canopy** [b]	**Park Tree Canopy** [c]	**NEST Amenities** [c]
Intercept	1.89 ***	23.23 ***	19.25 ***	4.50 ***	0.12 ***	21.52 ***	38.25 ***	35.84 ***
Race (percent racial minority)	-0.03 ***	-0.30 ***	-0.12 ***	-0.02 ***	-8.4×10^{-4} **	-0.21 ***	-0.39 ***	-0.17 *
Elevation (mean)	6.80×10^{-4}	-5.30×10^{-3}	0.13 ***	0.01 ***	9.8×10^{-4} ***	0.15 ***	0.14 ***	0.03
Urban form	-0.03 *	-0.81 ***	-0.56 ***	-0.1 ***	-8.0×10^{-3} ***	-1.33 ***	-0.95 *	0.64 *
Pseudo-R^2	0.64	0.58	0.88	0.66	0.72	0.76	0.47	0.29
SAR Type (SEM or SLAG) [d]	SLAG	SLAG	SEM	SEM	SEM	SEM	SEM	SEM

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

NDVI – normalized difference vegetation index; ROW – right-of-way; NEST – Neighborhood Environment Scoring Tool

[a] response variable transformed (square-root transformation)

[b] measured within block group boundaries

[c] measured within 400m of block group boundaries

[d] SEM – Spatial error model; SLAG – spatial lag model

Table S8. Summary of spatial autoregressive (SAR) models with one Census variable (percent with no postsecondary education) and no spatial autocorrelation of model residuals.

	ROW Tree Canopy [ab]	**GVI** [ab]	**Total Tree Canopy** [ab]	**Park Tree Canopy** [d]	**NEST Useability** [d]	**NEST Natural Aesthetics** [c]
Intercept	1.64 ***	1.48 ***	4.17 ***	7.15 ***	6.29 ***	15.70 ***
No postsecondary education (percent)	-0.01 ***	-5.5×10^{-3} ***	-7.6×10^{-4} **	-0.07 **	-0.02*	-0.05 *
Elevation (mean)	4.50×10^{-4}	1.40×10^{-4}	0.01 ***	0.03*	-3.10×10^{-3}	0.03
Urban form	-0.04 **	-0.02 ***	-0.10 ***	-0.32	-0.12	-0.12
Pseudo-R^2	0.63	0.59	0.65	0.66	0.52	0.38
SAR Type (SEM or SLAG) [e]	SLAG	SLAG	SEM	SLAG	SLAG	SLAG

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

NDVI – normalized difference vegetation index; ROW – right-of-way; GVI – green view index; NEST – Neighborhood Environment Scoring Tool

[a] response variable transformed (square-root transformation)

[b] measured within block group boundaries

[c] measured within 400m of block group boundaries

[d] measured within 800m of block group boundaries

[e] SEM – Spatial error model; SLAG – spatial lag model

Table S9. Summary of spatial autoregressive (SAR) models with one Census variable (percent Latinx) and no spatial autocorrelation of model residuals.

	ROW Tree Canopy [ab]	**ROW Vegetation** [b]	**GVI** [ab]	**Total Vegetation** [b]	**Private Tree Canopy** [b]	**Park Tree Canopy** [c]
Intercept	0.89 ***	12.91 ***	1.00 ***	38.1 ***	15.69 ***	5.07 ***
Ethnicity (percent Latinx)	-0.02 ***	-0.27 ***	-8.7×10^{-3} ***	-0.10 *	-0.08 *	-0.16 **
Elevation (mean)	6.60×10^{-4}	-3.50×10^{-3}	1.60×10^{-4}	0.14 ***	0.16 ***	0.03 *
Urban form	-0.03	-0.70 ***	-0.02 ***	-1.89 ***	-1.33 ***	-0.28
Pseudo-R^2	0.61	0.55	0.58	0.70	0.75	0.66
SAR Type (SEM or SLAG) [d]	SLAG	SLAG	SLAG	SEM	SEM	SLAG

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

NDVI – normalized difference vegetation index; ROW – right-of-way; GVI – green view index

[a] response variable transformed (square-root transformation)

[b] measured within block group boundaries

[c] measured within 800m of block group boundaries

[d] SEM – Spatial error model; SLAG – spatial lag model

Table S10. Ordinary least squares (OLS) regression models with two census variables (CV_1 and CV_2) where standardized regression coefficients of both census variables (β_{CV1} and β_{CV2}) were greater (in magnitude) than standardized regression coefficients of both mean block group elevation (β_{ELEV}) and urban form (β_{UF}).

Green Space Variable	Census Variable (CV_1)	Census Variable (CV_2)	β_{CV1}	β_{CV2}	β_{ELEV}	β_{UF}	Adj.-R^2	LM
ROW_Tree_400	Race	Income	-0.44	0.32	0.22	0.07	0.53	SLAG
ROW_Tree_400	Education	Income	-0.46	0.26	0.21	0.01	0.51	SLAG
ROW_Tree_BG [ab]	Race	Income	-0.44	0.28	0.13	0.02	0.44	SLAG
ROW_Tree_BG [a]	Education	Income	-0.42	0.25	0.12	-0.02	0.41	SLAG
ROW_Veg_400	Race	Income	-0.39	0.33	0.07	-0.25	0.53	SLAG
ROW_Veg_400	Education	Income	-0.30	0.35	0.07	-0.26	0.48	SLAG
ROW_Veg_BG [b]	Race	Income	-0.34	0.36	0.01	-0.26	0.48	SLAG
GVI_800	Race	Income	-0.46	0.28	0.21	-0.04	0.53	SLAG
GVI_400 [a]	Race	Income	-0.44	0.29	0.18	-0.05	0.52	SLAG
GVI_400 [a]	Education	Income	-0.42	0.26	0.18	-0.10	0.48	SLAG
GVI_BG [ab]	Race	Income	-0.39	0.32	0.12	-0.10	0.46	SLAG
GVI_BG [a]	Education	Income	-0.35	0.31	0.12	-0.13	0.43	SLAG

LM - Lagrange Multiplier spatial dependence test to select spatial lag model (SLAG) or spatial error model (SER)

GVI – green view index; ROW – right-of-way; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary; x_800 – within 800 m of block group boundary

[a] response variable transformed (square-root transformation)

[b] best-fit spatial autoregressive model

Table S11. Ordinary least squares (OLS) regression models with two census variables (CV_1 and CV_2) where standardized coefficient of one census variable (β_{CV1} or β_{CV2}) is greater (in magnitude) than standardized regression coefficients of both mean block group elevation (β_{ELEV}) and urban form (β_{UF}).

Green Space Variable	Census Variable (CV_1)	Census Variable (CV_2)	β_{CV1}	β_{CV2}	β_{ELEV}	β_{UF}	Adjusted -R^2	LM
ROW_Tree_800	Education	Income	-0.53	0.18	0.24	0.01	0.53	SLAG
ROW_Tree_800	Income	Ethnicity	0.50	-0.09	0.28	0.19	0.38	SLAG
ROW_Tree_400	Ethnicity	Income	-0.09	0.53	0.24	0.16	0.41	SLAG
ROW_Tree_BG [a]	Ethnicity	Income	-0.11	0.48	0.15	0.11	0.32	SLAG
ROW_Veg_800	Race	Income	-0.41	0.26	0.10	-0.26	0.51	SLAG
ROW_Veg_800	Education	Income	-0.36	0.26	0.10	-0.29	0.46	SLAG
ROW_Veg_800	Ethnicity	Income	-0.10	0.46	0.13	-0.18	0.40	SLAG
ROW_Veg_400	Ethnicity	Income	-0.10	0.51	0.09	-0.17	0.43	SLAG
ROW_Veg_400	Education	Ethnicity	-0.48	-0.10	0.10	-0.37	0.42	SLAG
ROW_Veg_BG	Education	Income	-0.27	0.37	0.01	-0.27	0.44	SLAG
ROW_Veg_BG	Ethnicity	Income	-0.13	0.49	0.02	-0.21	0.41	SLAG
ROW_Veg_BG	Ethnicity	Race	-0.11	-0.48	0.05	-0.35	0.41	SLAG
GVI_BG [a]	Education	Ethnicity	-0.50	-0.10	0.14	-0.23	0.39	SLAG
GVI_400 [a]	Ethnicity	Income	-0.11	0.50	0.20	0.03	0.39	SLAG
GVI_BG [a]	Ethnicity	Income	-0.12	0.49	0.14	-0.03	0.37	SLAG

LM - Lagrange Multiplier spatial dependence test to select spatial lag model (SLAG) or spatial error model (SER)

ROW – right-of-way; GVI – green view index; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary; x_800 – within 800 m of block group boundary

[a] response variable transformed (square-root transformation)

Table S12. Ordinary least squares (OLS) regression models with two census variables (CV_1 and CV_2) where standardized regression coefficients (SC) of mean block group elevation (β_{ELEV}) and/or urban form (β_{UF}) were greater (in magnitude) than standardized regression coefficients of both census variables (β_{CV1} and β_{CV2}).

Green Space Variable	Census Variable (CV_1)	Census Variable (CV_2)	β_{CV1}	β_{CV2}	β_{ELEV}	β_{UF}	Adjusted-R^2	LM
Tot_Tree_800	Race	Income	-0.24	0.11	0.65	-0.13	0.72	SLAG
Tot_Tree_800	Education	Income	-0.26	0.07	0.65	-0.17	0.72	SLAG
Tot_Tree_400	Race	Income	-0.24	0.16	0.59	-0.17	0.72	SLAG
Tot_Tree_400	Education	Income	-0.24	0.13	0.59	-0.20	0.71	SLAG
Tot_Tree_BG [ab]	Race	Income	-0.22	0.17	0.45	-0.25	0.58	SEM
Tot_Tree_BG [a]	Education	Income	-0.18	0.17	0.45	-0.26	0.57	SEM
Tot_Veg_BG	Education	Ethnicity	-0.07	-0.07	0.32	-0.55	0.62	SLAG
NDVI_800	Race	Income	-0.12	0.10	0.48	-0.39	0.69	SLAG
NDVI_400	Race	Income	-0.12	0.16	0.44	-0.39	0.68	SLAG
NDVI_BG [b]	Race	Income	-0.08	0.23	0.36	-0.40	0.63	SLAG
NDVI_BG	Education	Ethnicity	-0.15	-0.07	0.38	-0.47	0.60	SLAG
Pri_Tree_400	Race	Income	-0.17	0.10	0.61	-0.28	0.78	SLAG
Pri_Tree_400	Education	Income	-0.15	0.10	0.61	-0.29	0.77	SLAG
Pri_Tree_BG [b]	Race	Income	-0.17	0.14	0.50	-0.34	0.71	SEM
Pri_Tree_BG	Education	Income	-0.15	0.13	0.50	-0.35	0.71	SLAG
Prk_Tree_800 [b]	Ethnicity	Income	-0.12	0.16	0.44	0.08	0.25	SLAG

LM - Lagrange Multiplier spatial dependence test to select spatial lag model (SLAG) or spatial error model (SER)

Tot – total across all land uses; NDVI – normalized difference vegetation index; Pri – private land; Prk – parkland; x_Tree – tree canopy cover; x_Veg – vegetation cover; x_BG – within block group; x_400 – within 400 m of block group boundary; x_800 – within 800 m of block group boundary

[a] response variable transformed (square-root transformation)

[b] best-fit spatial autoregressive model

Table S13. Summary of right-of-way (ROW) green cover spatial autoregressive (SAR) models with no spatial autocorrelation of model residuals and at least one significant Census variable where at least one model with the same response variable has a higher Nagelkerke pseudo-R^2.

	ROW Tree Canopy [ab]	**ROW Tree Canopy** [ab]	**ROW Vegetation Cover** [a]	**ROW Vegetation Cover** [a]	**ROW Vegetation Cover** [a]
Intercept	0.53 ***	0.96 ***	8.76 ***	11.24 ***	23.28 ***
Median household income ($10k)	0.07 ***	0.06 ***	0.86 ***	0.8 ***	-
Race (percent racial minority)	-	-	-	-	-0.25 ***
Ethnicity (percent Latinx)	-8.00×10^{-3}	-	-0.14 **	-	-0.15 **
Education (percent no postsecondary)	-	-6.9×10^{-3} **	-	-0.06 *	-
Elevation (mean)	-2.40×10^{-5}	2.40×10^{-5}	-0.01	-0.01	-7.80×10^{-3}
Urban form	-7.90×10^{-3}	-0.02	-0.56 ***	-0.62 ***	-0.85 ***
Pseudo-R^2	0.64	0.65	0.61	0.6	0.59
SAR Type (SEM or SLAG)	SLAG	SLAG	SLAG	SLAG	SLAG

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

SEM – Spatial error model; SLAG – spatial lag model

[a] measured within block group boundaries

[b] response variable transformed (square-root transformation)

Table S14. Summary of green view index (GVI), normalized difference vegetation index (NDVI), and total tree canopy spatial autoregressive (SAR) models with no spatial autocorrelation of model residuals and at least one significant Census variable where at least one model with the same response variable has a higher Nagelkerke pseudo-R^2.

	GVI [ab]	**GVI** [ab]	**GVI** [ab]	**Total Tree Canopy** [ab]	**NDVI** [a]
Intercept	1.24 ***	1.06 ***	1.49 ***	3.65 ***	0.06 ***
Median household income ($10k)	0.03 ***	0.03 ***	-	0.04 ***	-
Ethnicity (percent Latinx)	-	-4.5×10^{-3} **	-5.4×10^{-3} **	-	-6.4×10^{-4} *
Education (percent no postsecondary)	-2.4×10^{-3} *	-	-4.5×10^{-3} ***	-3.00×10^{-3}	-3.5×10^{-4} **
Elevation (mean)	-2.90×10^{-5}	-7.20×10^{-5}	6.00×10^{-5}	0.01 ***	3.5×10^{-4} ***
Urban form	-0.01 **	-0.01 *	-0.02 ***	-0.09 ***	-6.6×10^{-3} ***
Pseudo-R^2	0.61	0.61	0.6	0.66	0.71
SAR Type (SEM or SLAG)	SLAG	SLAG	SLAG	SEM	SLAG

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

SEM – Spatial error model; SLAG – spatial lag model

[a] measured within block group boundaries

[b] response variable transformed (square-root transformation)

Table S15. List of parks, schools, and cemeteries (located within 400 m of block group boundary) for block groups with low natural aesthetic scores (i.e., lower quartile) and high percent population with low educational attainment (i.e., upper quartile).

Parks	Ankeny Plaza, Bloomington Park, Brentwood Park, Cherry Park, Flavel Park, Francis and Clare Commons, Gilbert Heights Park, Gilbert HydroPark, Glenwood Park, Gov. Tom McCall Waterfront Park, Hand in Hand (DART), Harney Park, Hazeltine Park, Knott Park, Laurelwood Park, Lents Park, Lincoln Park, Lownsdale Square Park, Merrifield Park, Mill Park, North Park Blocks, North Powellhurst Park, Parklane Park, Pioneer Courthouse Square, Simon and Helen Director Park, South Park Blocks, Springwater Corridor, Vera Katz Eastbank Esplanade, Verdell Burdine Rutherford Park, West Powellhurst Park
Schools	Alder Elementary, Alice Ott Middle, Arleta Elementary, BizTech High School of Business and Technology, Buckman Elementary, Creston Elementary, David Douglas High, Fir Ridge Campus, Gilbert Heights Elementary, Helensview High, Kelly Elementary, Lane Middle, Lent Elementary, Lincoln High, Lincoln Park Elementary, Lynch View Elementary, Marysville Elementary, Menlo Park Elementary, Mill Park Elementary, NAYA Early Learners, North Powellhurst School, Portland SD 1J (Wilcox School), Whitman Elementary, Woodmere Elementary
Cemeteries	Columbia Pioneer Cemetery, Kesher Israel Cemetery, Multnomah Park Cemetery, Shaarie Torah Cemetery

Table S16. List of parks, schools, and cemeteries (located within 800 m of block group boundary) for block groups with low parkland tree canopy within 800 m of block group boundary (i.e., lower quartile) and high Latinx population (i.e., upper quartile).

Parks	Argay Park, Arleta Triangle, Beggars-tick Wildlife Refuge, Cherry Blossom Park, Cherry Park, Chimney Park, Clarendon Regional Early Learning Academy, Columbia Boulevard Community Trail, Columbia Children's Arboretum, Columbia Park, Cully Park, Delta Park, Earl Boyles Park, Essex Park, Farragut Park, Fernhill Park, Flavel Park, Floyd Light Park, Gilbert Heights Park, Glenwood Park, Gov. Tom McCall Waterfront Park, Harney Park, Jamison Square, Kelley Point Park, Kenton Park, Knott Park, Lents Park, Lincoln Park, Luuwit View Park, Lynchwood Park, McCoy Park, McKenna Park, Merrifield Park, Midland Park, Mill Park, Montavilla Park, Mt Scott Park, North Park Blocks, North Powellhurst Park, Northgate Park, Parklane Park, Peace Memorial Park, Peninsula Crossing Trail, Pier Park, Portland International Raceway, Portland SD 1J (Sacajawea Head Start), Powell Butte Nature Park, Raymond Park, Roseway Parkway, Sacajawea Park, SE Firland Parkway, Senn's Dairy Park, Smith and Bybee Wetlands Na, Smith and Bybee Wetlands Natural Area, Springwater Corridor, Stark Street Island, Tanner Springs Park, Trenton Park, University Park, Unnamed 10, Unnamed 13, Unnamed 14, Unnamed 15, Unnamed 25, Unnamed 46, Ventura Park, Vera Katz Eastbank Esplanade, Verdell Burdine Rutherford Park, Wellington Park, Zenger Farm
Schools	Alder Elementary, BizTech High School of Business and Technology, Centennial High, Cesar Chavez Elementary, Cherry Park Elementary, David Douglas High, Fir Ridge Campus, Gilbert Heights Elementary, Hand in Hand (DART), Joseph L. Meek Professional/Technical High, Kelly Elementary, Lincoln Park Elementary, Lynch View Elementary, Marysville Elementary, Menlo Park Elementary, Mill Park Elementary, NAYA Early Learners, North Powellhurst School, Parkrose High, Parkrose Middle, Peninsula Elementary, PPS Student Transportation, Prescott Elementary, Ron Russell Middle, Scott Elementary, Sitton Elementary, Unnamed School Property 3, Ventura Park Elementary, Vestal Elementary, Whitman Elementary, Woodmere Elementary
Cemeteries	Brainard Cemetery, Columbia Pioneer Cemetery, Historic Columbian Cemetery, Kesher Israel Cemetery, Multnomah Park Cemetery, Powell Grove Cemetery, Shaarie Torah Cemetery

Table S17. List of parks, schools, and cemeteries (located within 400 m of block group boundary) for block groups with low Neighborhood Environment Scoring Tool amenity domain scores (i.e., lower quartile) and high racialized minority population (i.e., upper quartile) or low median household income (i.e., lower quartile).

Parks	Berrydale Park, Campbell Fountain, Cherry Blossom Park, Cherry Park, Clatsop Butte Park, Collins Circle, Columbia Children's Arboretum, Essex Park, Flavel Park, Floyd Light Park, Frazer Park, Gilbert HydroPark, Glenhaven Park, Governors Park, Hancock Park, Harney Park, Harrison Park, Humboldt Gardens Pocket Park, Jenne Butte, Joseph Wood Hill Park, Kelly Butte Natural Area, Kelly Butte Reservoir, Laurelwood Park, Lincoln Park, Mallory Meadows Park, Midland Park, Mill Park, Portland State University, Powell Butte Nature Park, Providence Park, Rocky Butte Natural Area, Rocky Butte State Scenic Corridor, Roselawn Park, Rosemont Bluff Natural Area, SE Firland Parkway, Senn's Dairy Park, South Park Blocks, Springwater Corridor, Stark Street Island, Sumner-Albina Park, SW Hall & 14th, Two Plum Park, Unnamed 111, Unnamed 49, Ventura Park, West Powellhurst Park, Wilkes Creek Headwaters Natural Area, Wilkes Park
Schools	BizTech High School of Business and Technology, Bridger Elementary, Cherry Park Elementary, Creative Science School at Clark, Creston Elementary, David Douglas High, Fir Ridge Campus, Helensview High, Jason Lee Elementary, Jefferson High, King School Park, Lincoln High, Lincoln Park Elementary, Marysville Elementary, Mill Park Elementary, NAYA Early Learners, Parkrose High, Portland SD 1J (Wilcox School), PPS Student Transportation, Prescott Elementary, Ron Russell Middle, Unnamed School Property 2, Ventura Park Elementary, Whitman Elementary, Woodlawn Elementary, Woodmere Elementary
Cemeteries	Columbia Pioneer Cemetery, Kesher Israel Cemetery, Multnomah Park Cemetery, Powell Grove Cemetery, Shaarie Torah Cemetery

Table S18. List of parks, schools, and cemeteries (located within 800 m of block group boundary) for block groups with low Neighborhood Environment Scoring Tool usability domain scores (lower quartile) and high percent population without any postsecondary education (upper quartile).

Parks	Ankeny Plaza, Arleta Triangle, Brentwood Park, Cherry Blossom Park, Cherry Park, Clarendon Regional Early Learning Academy, Columbia Boulevard Community Trail, Floyd Light Park, Glendoveer Golf Course, Glenfair Park, Gov. Tom McCall Waterfront Park, Halsey HydroPark, Hancock Park, Hazeltine Park, Joseph Wood Hill Park, Kelly Butte Natural Area, Kelly Butte Reservoir, Kern Park, Laurelwood Park, Lincoln Park, Lownsdale Square Park, Luuwit View Park, Mallory Meadows Park, McCoy Park, Midland Park, Mill Park, Mt Hood Community College Head Start (Thompson Site), Mt Scott Park, North Park Blocks, North Powellhurst Park, Northgate Park, Parklane Park, Peace Memorial Park, Peninsula Crossing Trail, Pioneer Courthouse Square, Portland State University, Rocky Butte Natural Area, Rocky Butte State Scenic Corridor, Roselawn Park, SE Firland Parkway, Senn's Dairy Park, Simon and Helen Director Park, South Park Blocks, SW Hall & 14th, Thompson Park, Unnamed 10, Unnamed 111, Unnamed 14, Unnamed 15, Unnamed 25, Unnamed 46, Ventura Park, Vera Katz Eastbank Esplanade, West Powellhurst Park, Wilkes Creek Headwaters Natural Area, Wilkes Park
Schools	Arleta Elementary, Cherry Park Elementary, David Douglas High, Fir Ridge Campus, Glenfair Elementary, Helensview High, Jason Lee Elementary, King School Park, Lane Middle, Lincoln High, Lincoln Park Elementary, Margaret Scott Elementary, Marysville Elementary, Menlo Park Elementary, Mill Park Elementary, North Powellhurst School, Parkrose High, Parkrose Middle, Prescott Elementary, Ventura Park Elementary, Woodmere Elementary
Cemeteries	Columbia Pioneer Cemetery, Kesher Israel Cemetery, Multnomah Park Cemetery, Powell Grove Cemetery

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