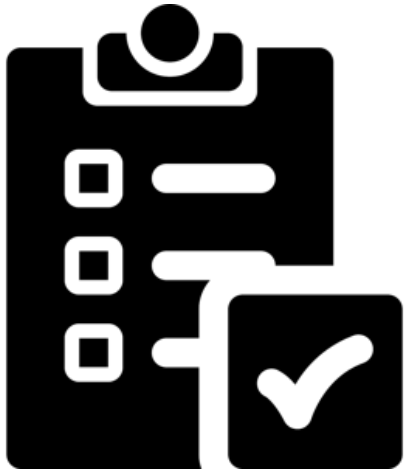
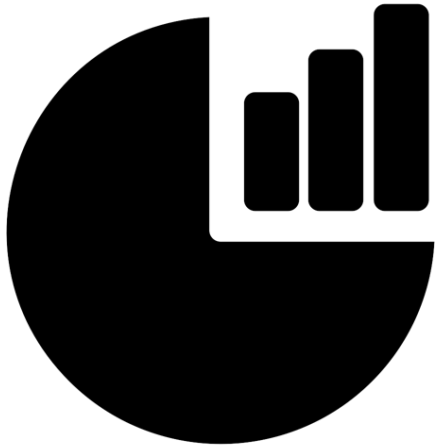
Los Angeles
Tree Canopy Assessment
Using 2016 Spatial Data

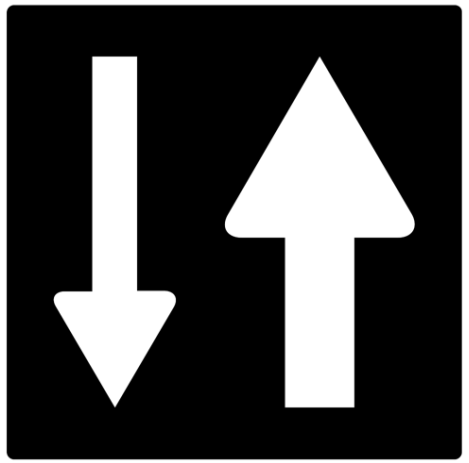
About



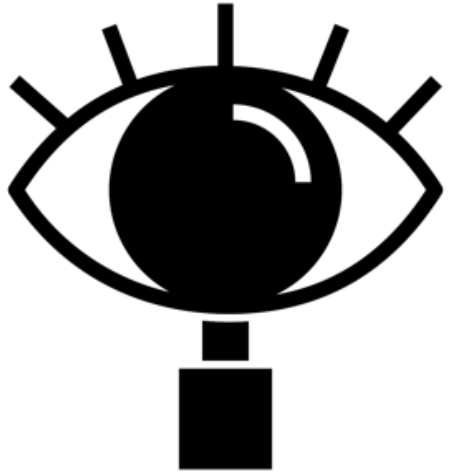
Inventory



Summarize

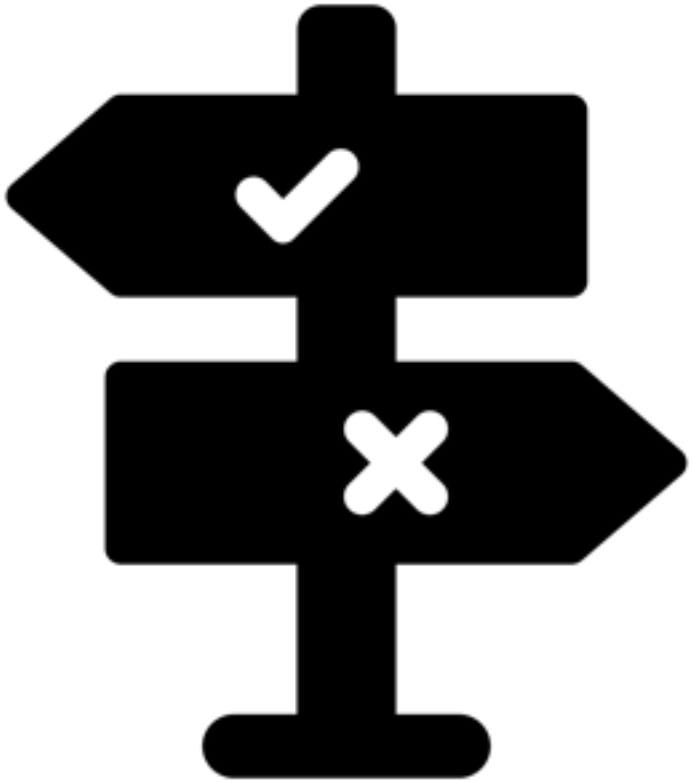


Prioritize

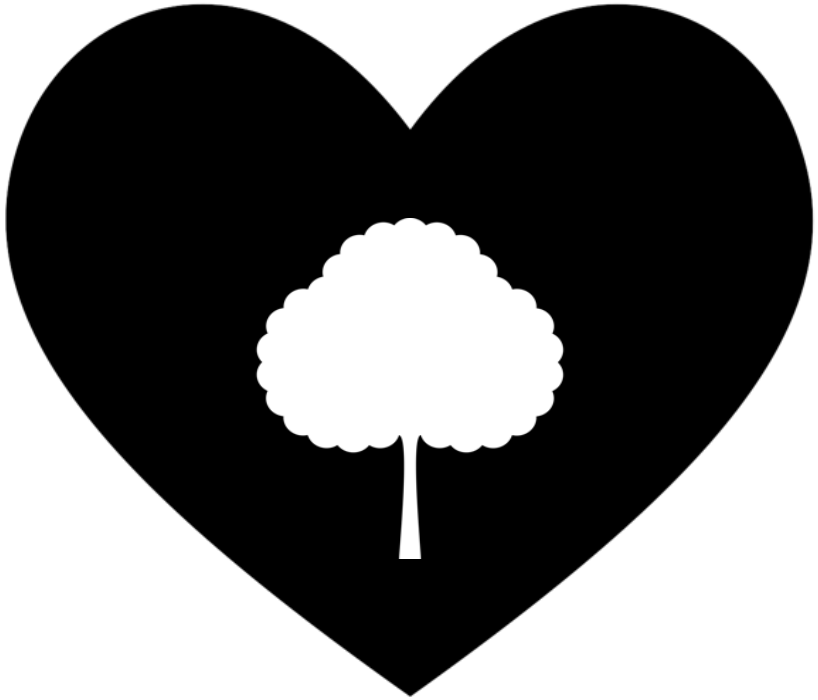


Insights

Ask questions



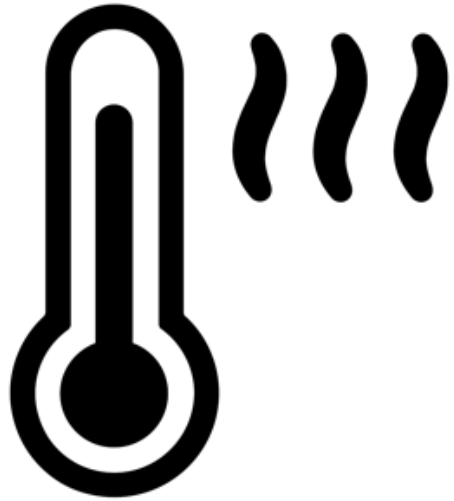
Make decisions



Why do we care about trees?

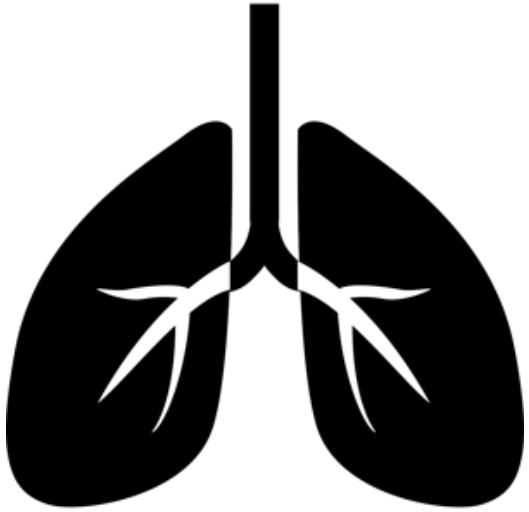
Wildlife Habitat

Stormwater Runoff

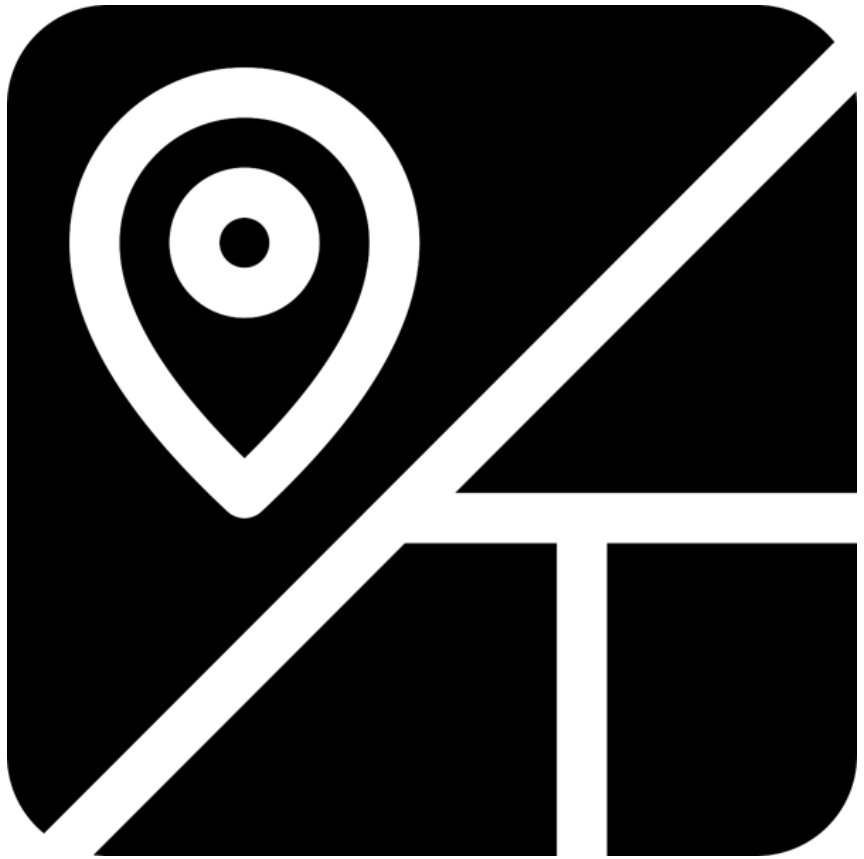


Urban Heat Island

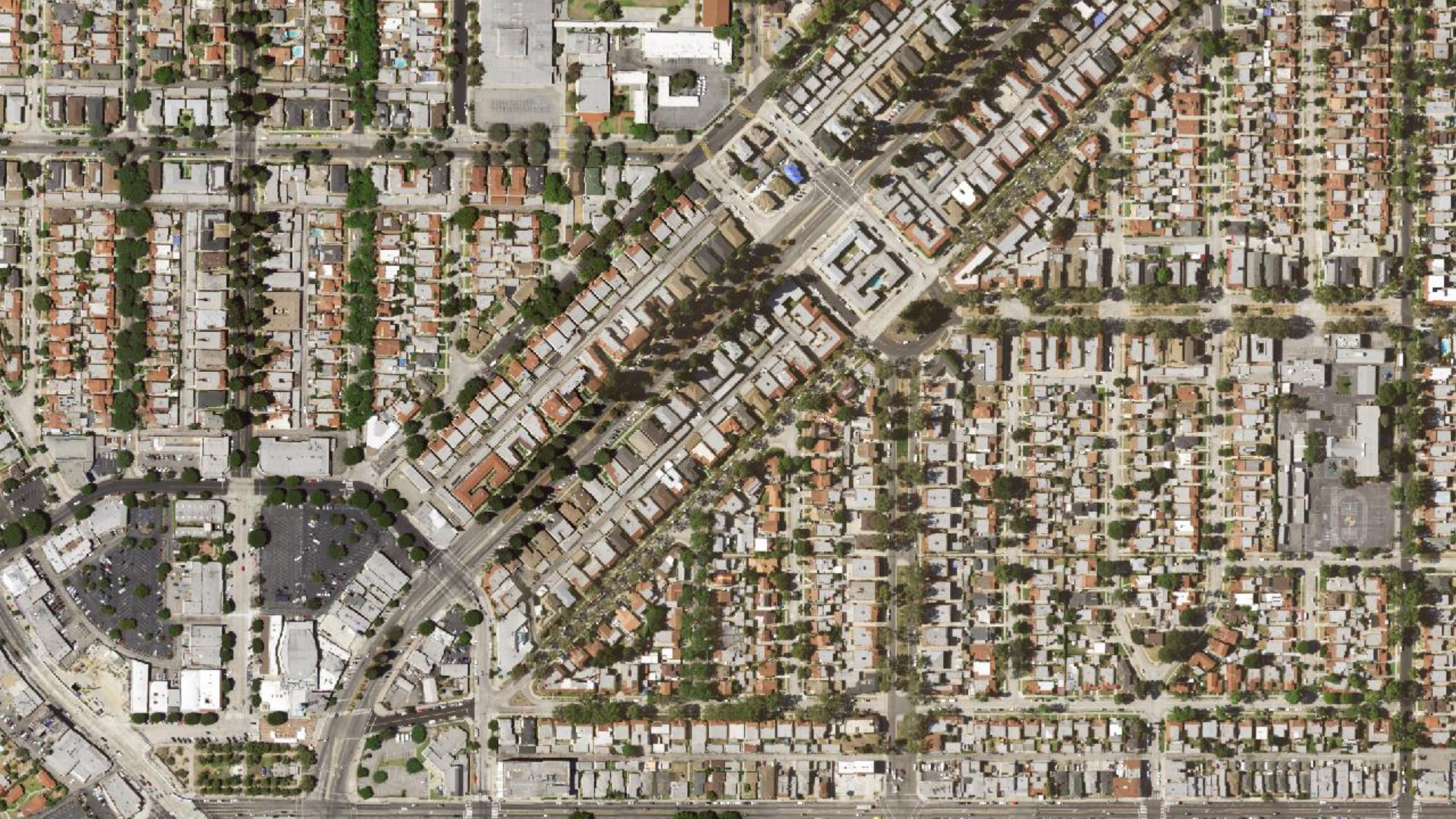
Social Cohesion



Air Quality



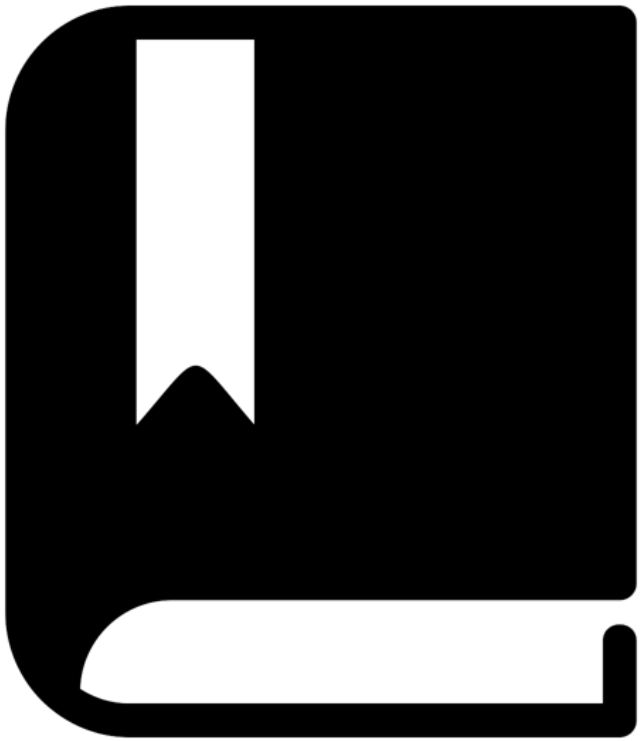
How was the tree canopy mapped?



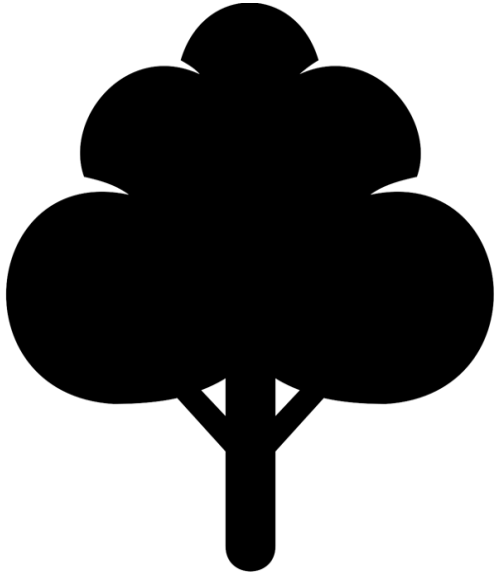
Tree Canopy
Grass
Bare Soil
Water
Building
Roads/Rail
Other Paved
Shrub

Tree Canopy
Grass
Bare Soil
Water
Building
Roads/Rail
Other Paved
Shrub

Tree Canopy
Grass
Bare Soil
Water
Building
Roads/Rail
Other Paved
Shrub



Key terms

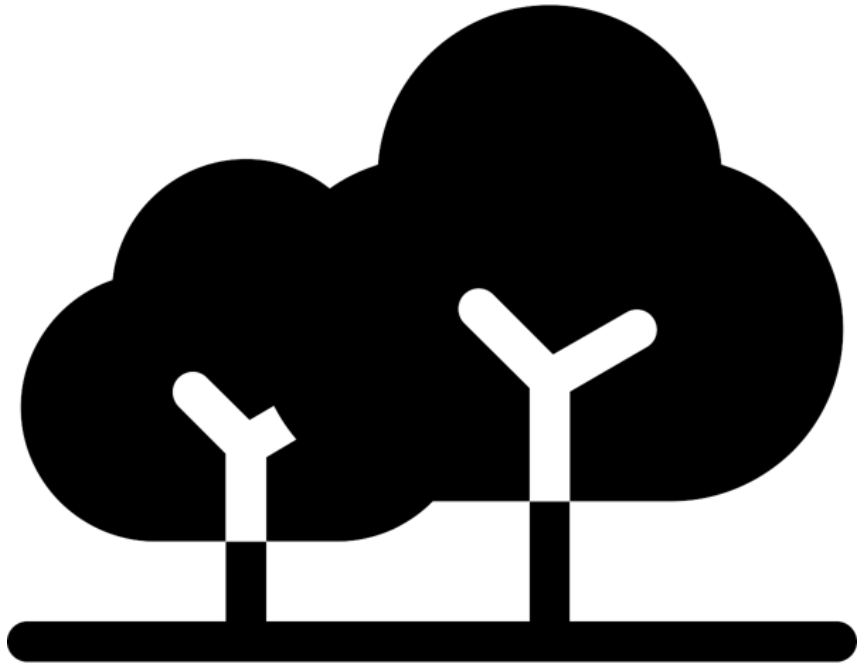


Existing Tree Canopy

The amount of land covered by tree canopy

Possible Tree Canopy

The amount of land not covered by tree canopy where it may be feasible to establish new tree canopy



What percent of Los Angeles is covered by tree canopy?

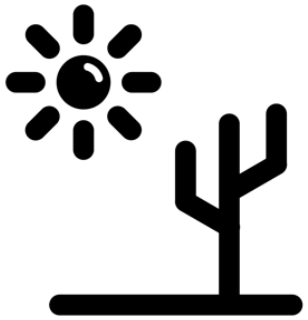
City: 25%

County: 18%

* Includes

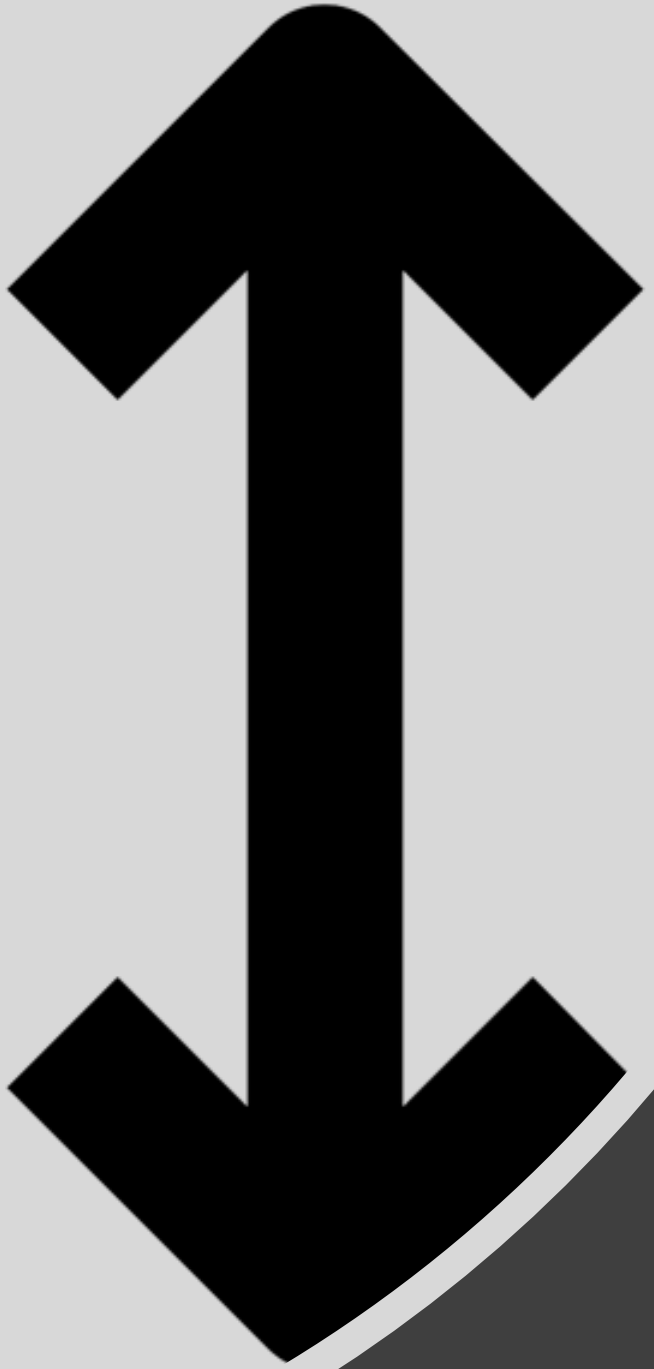
Mountains

Beach

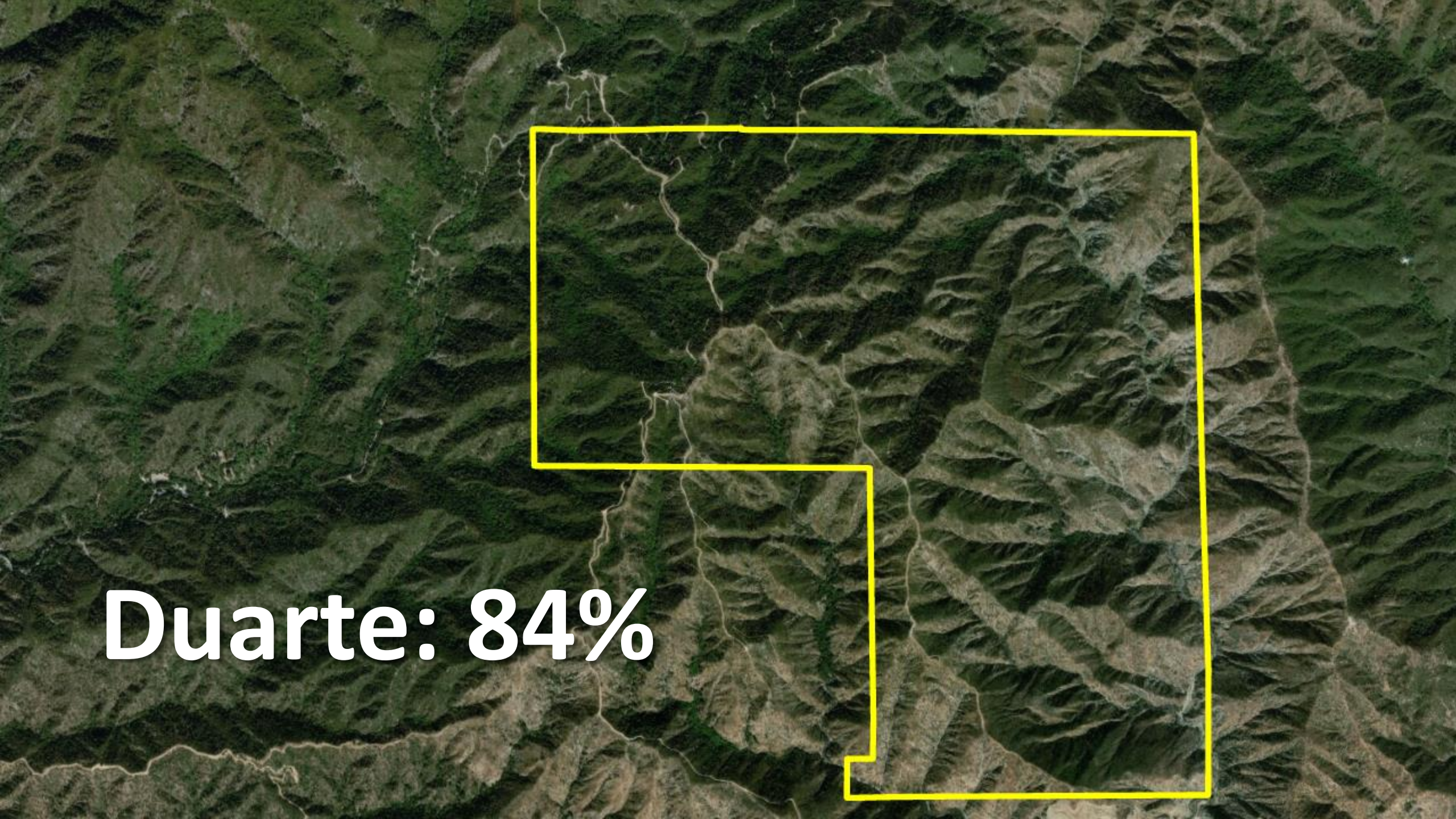


Desert

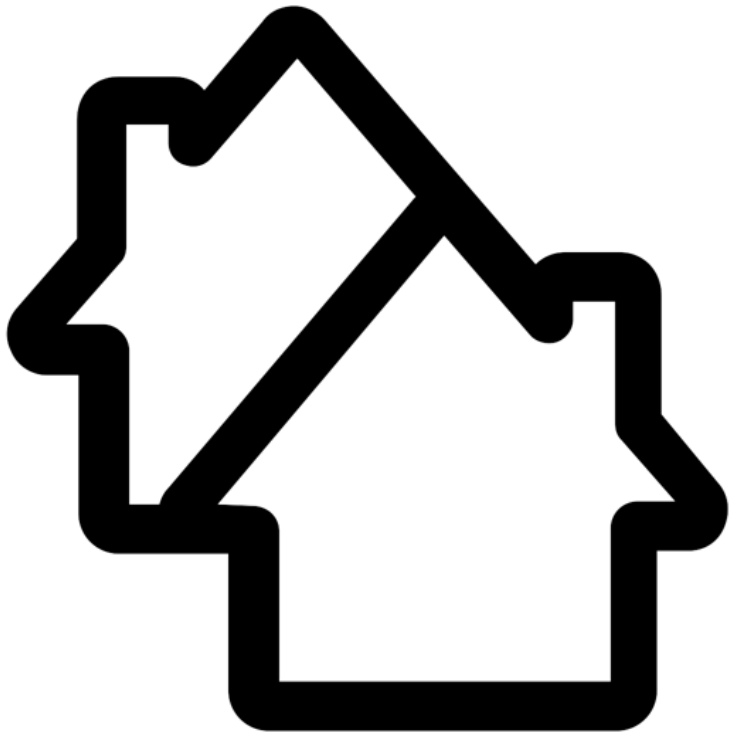
City



A wide range of tree canopy canopy


Duarte: 84%

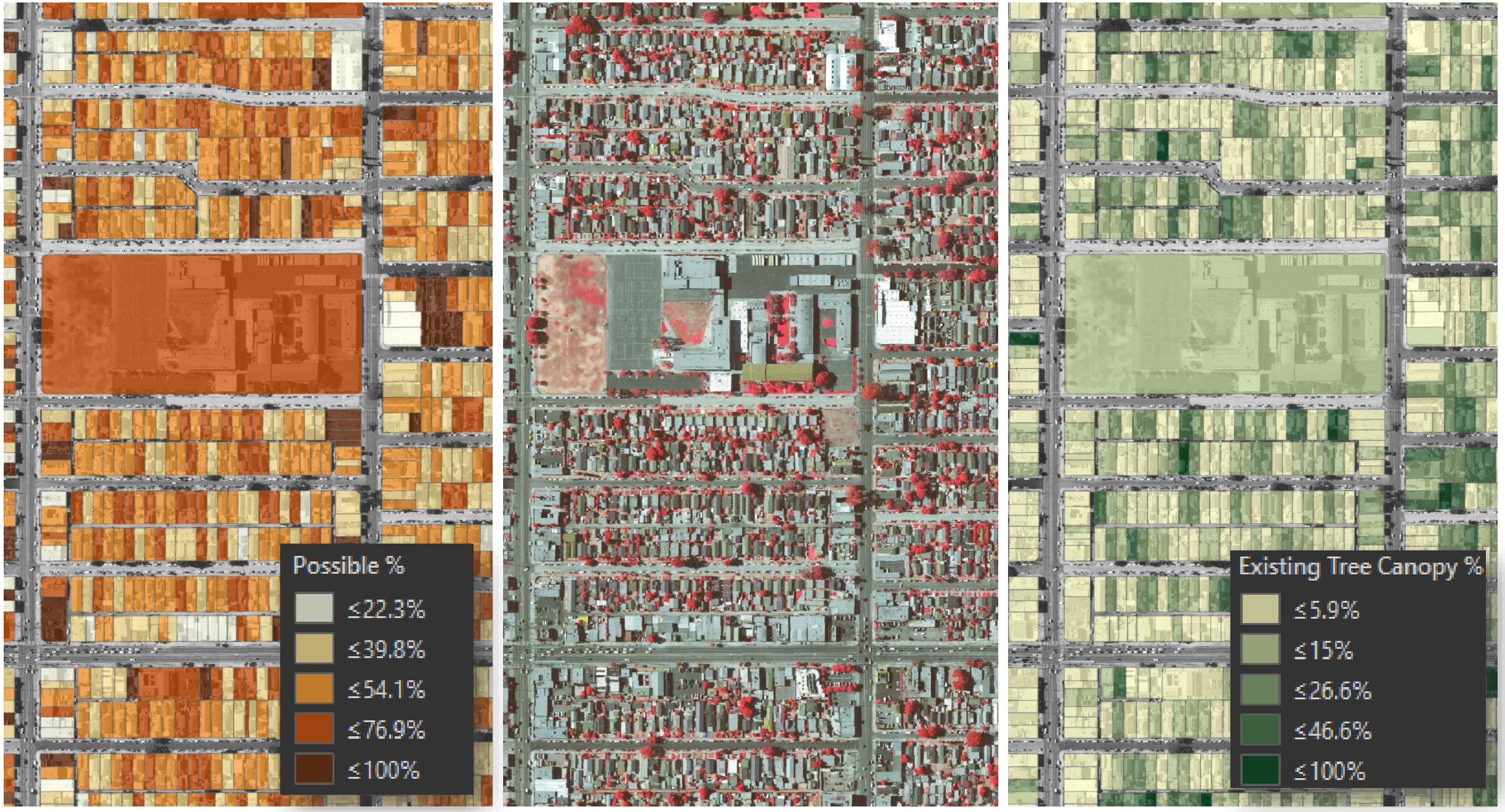
Vernon: 1%

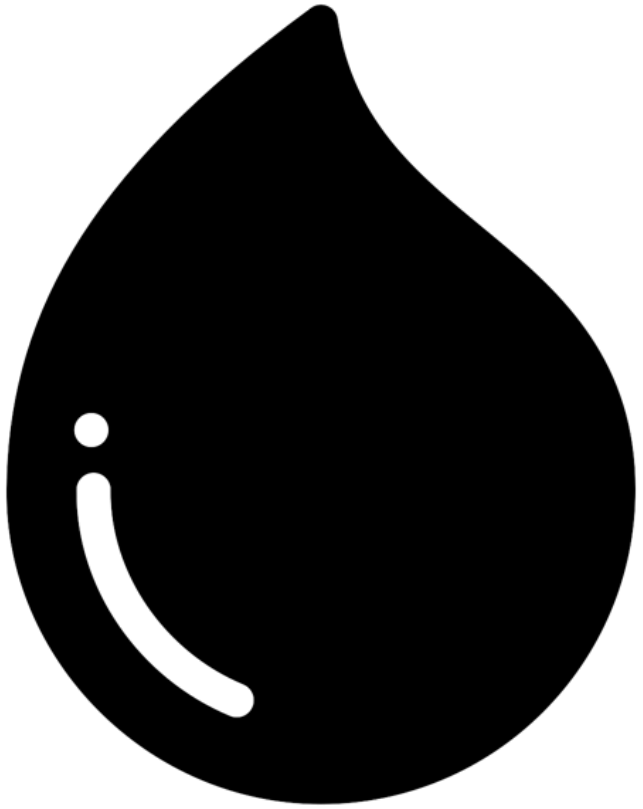


Parcel Metrics

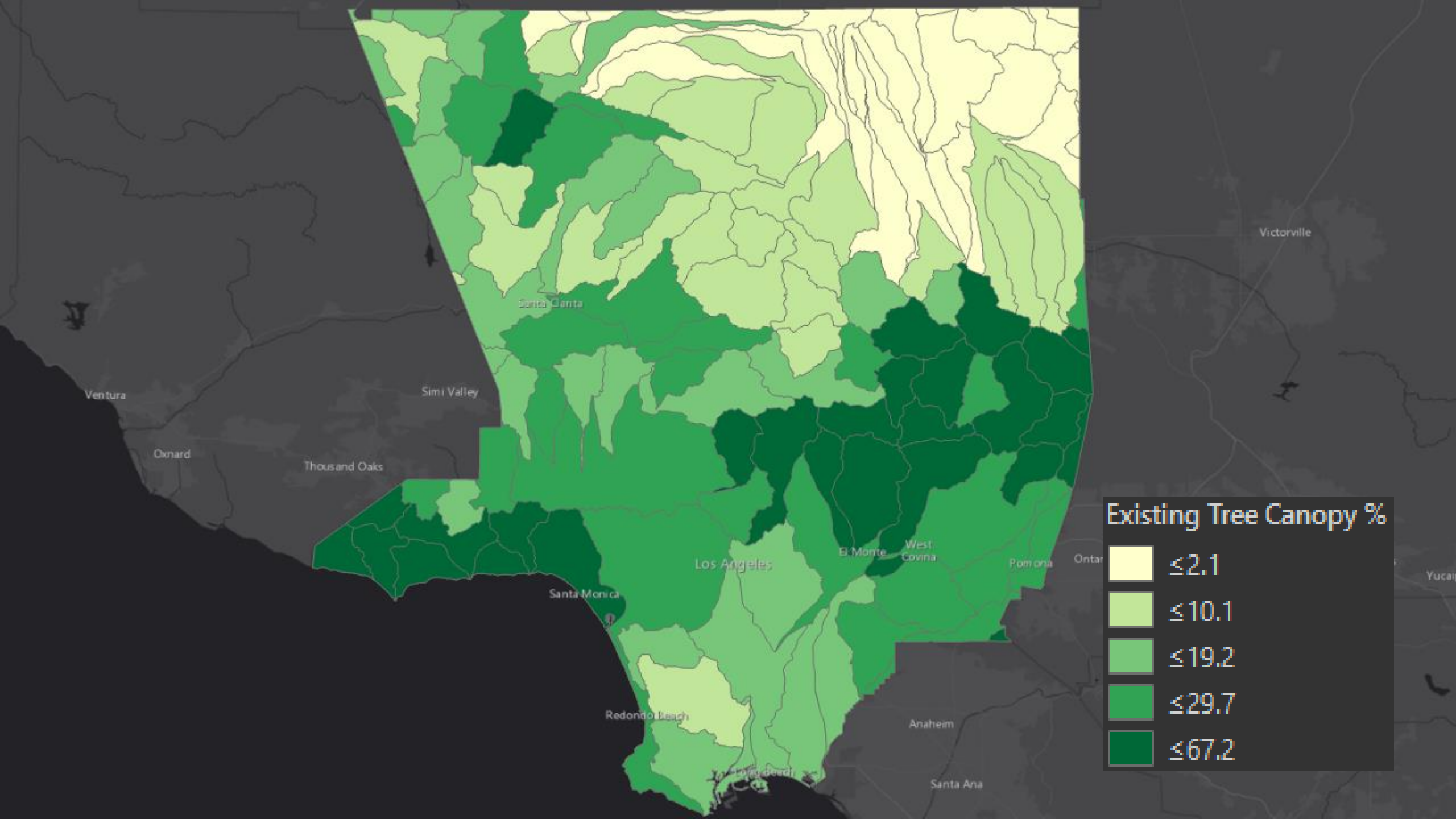
Existing Tree Canopy %
≤5.9%
≤15%
≤26.6%
≤46.6%
≤100%

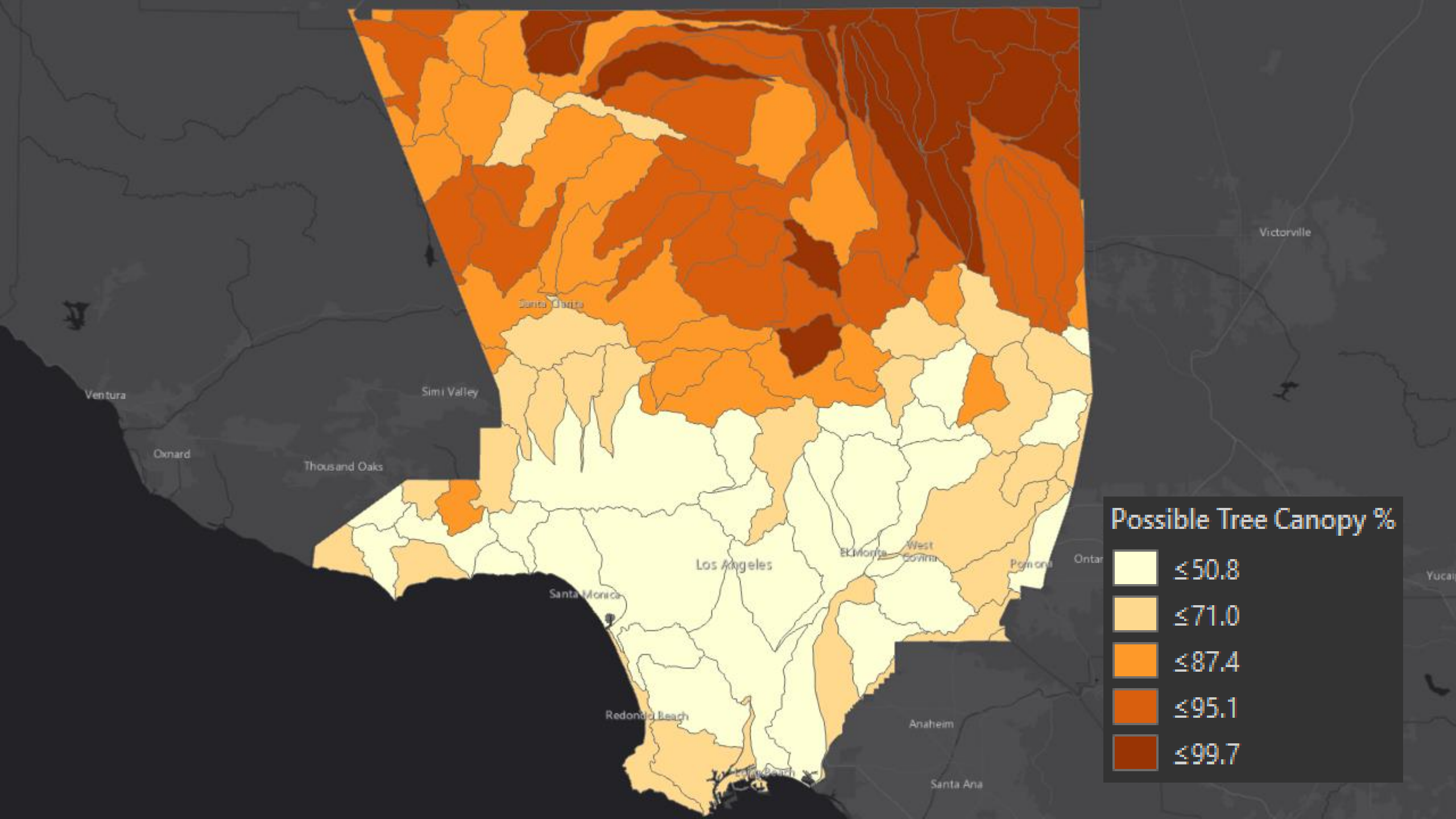
Possible %
≤22.3%
≤39.8%
≤54.1%
≤76.9%
≤100%


Possible %
≤22.3%
≤39.8%
≤54.1%
≤76.9%
≤100%
Existing Tree Canopy %
≤5.9%
≤15%
≤26.6%
≤46.6%
≤100%

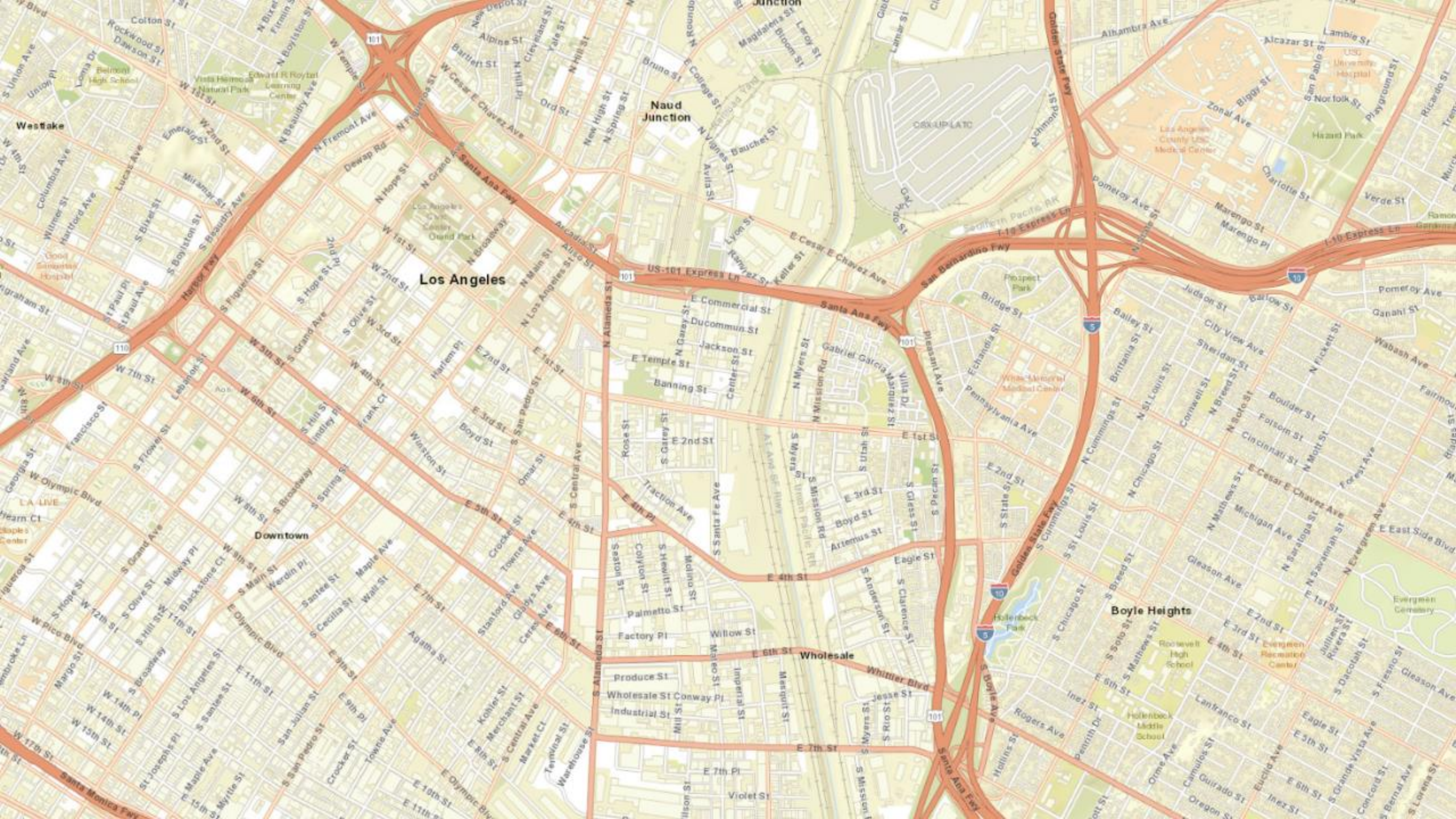


Watershed metrics

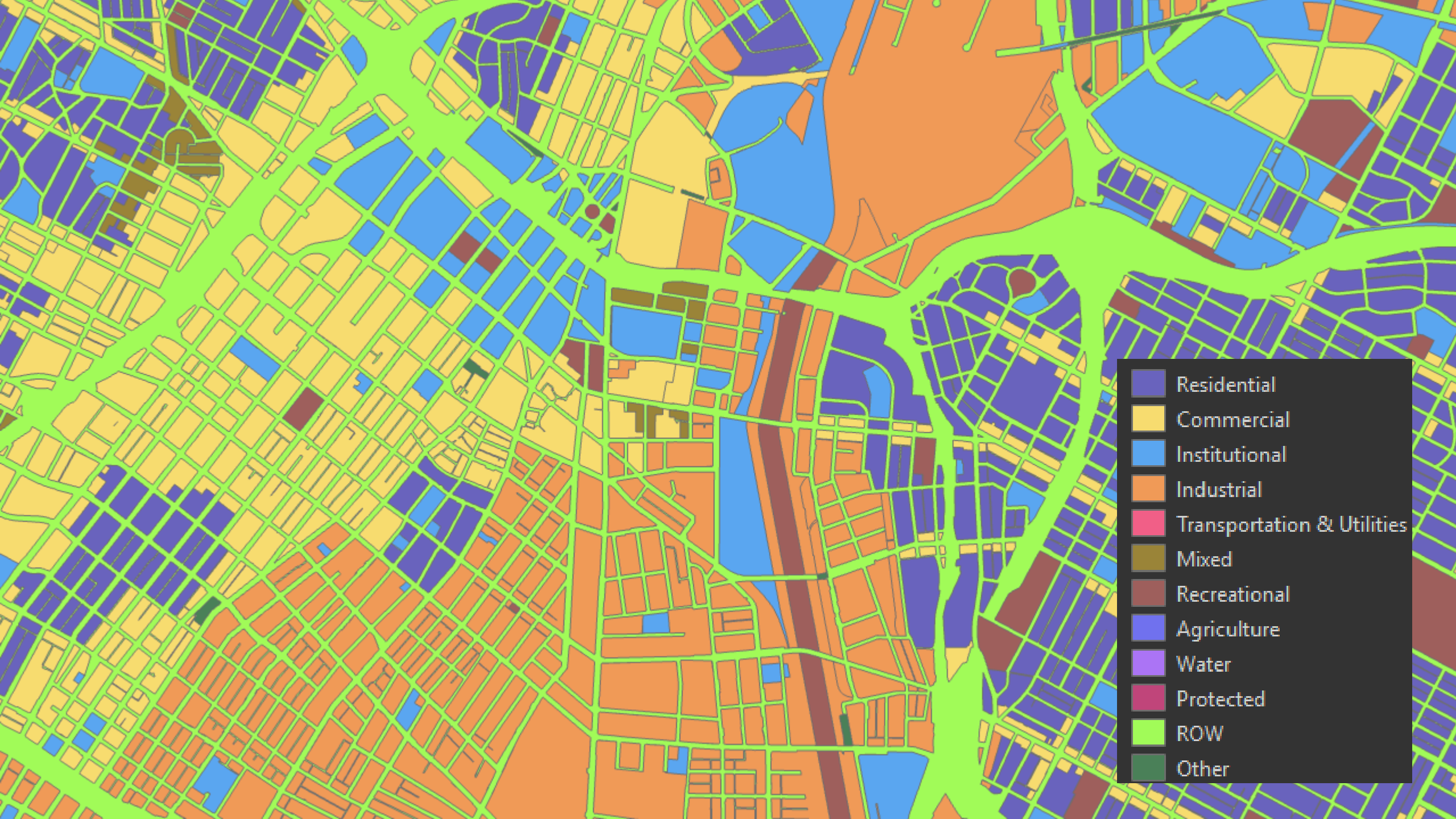

Existing Tree Canopy %
≤2.1
≤10.1
≤19.2
≤29.7
≤67.2
Victorville
Santa Clarita
Ventura
Simi Valley
Oxnard
Thousand Oaks
Los Angeles
El Monte
West Covina
Pomona
Santa Monica
Redondo Beach
Anaheim
Santa Ana

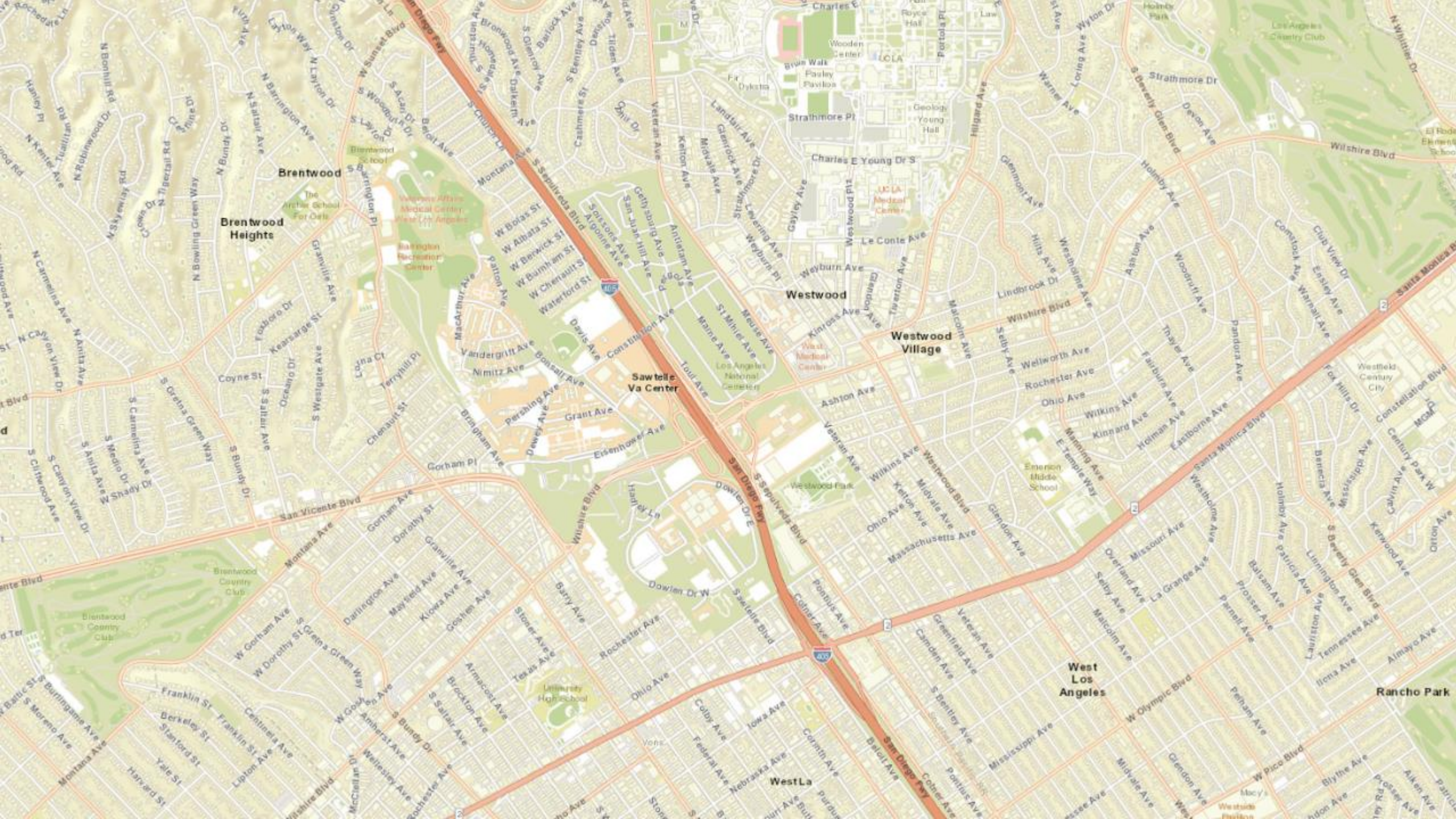

Victorville
Santa Clarita
Ventura
Simi Valley
Oxnard
Thousand Oaks
Los Angeles
El Monte
West Covina
Pomona
Santa Monica
Redondo Beach
Anaheim
Santa Ana
Possible Tree Canopy %
≤50.8
≤71.0
≤87.4
≤95.1
≤99.7

Land Use

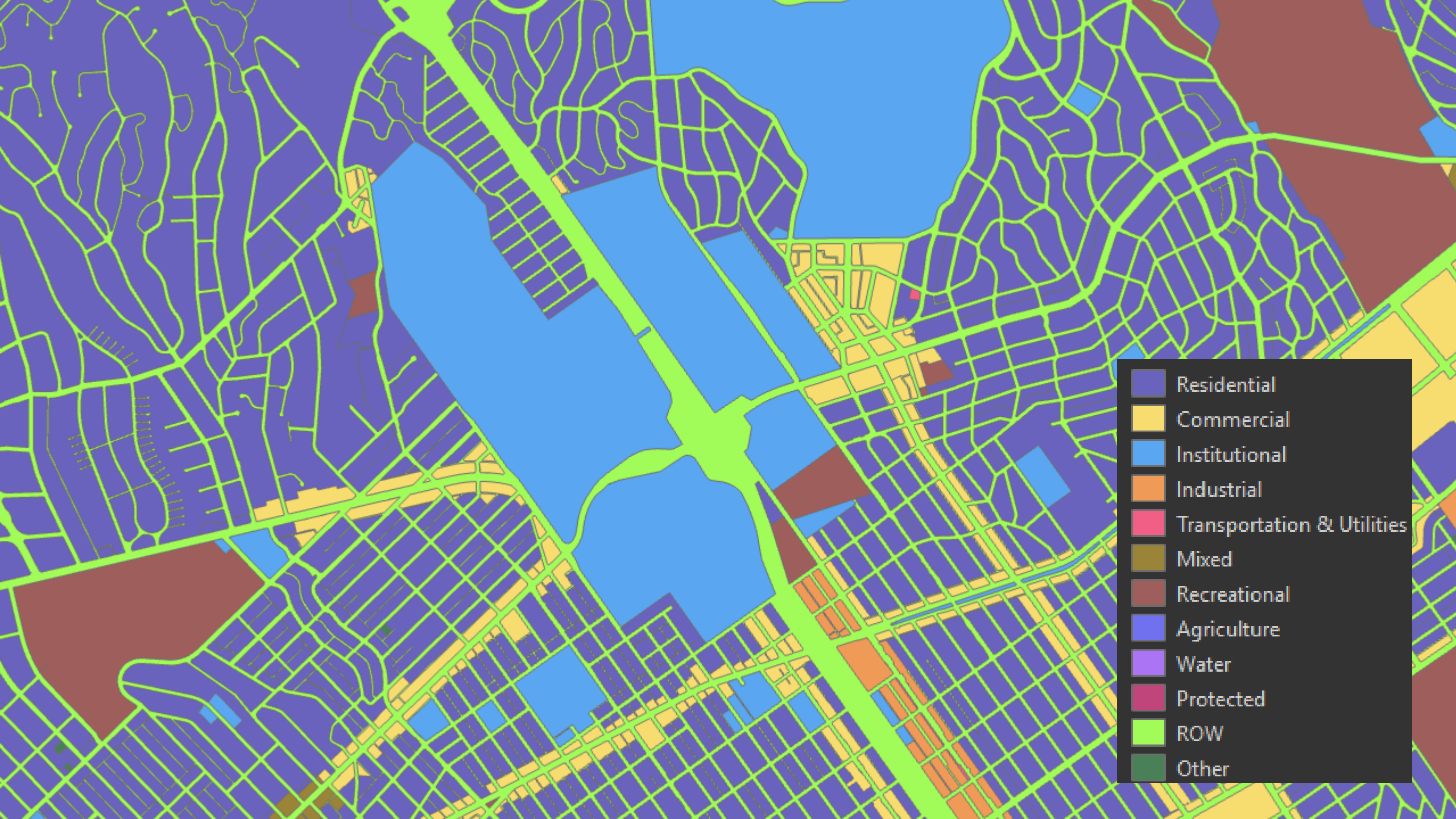


Westlake
Los Angeles
Downtown
Naud Junction
Boyle Heights
Wholesale
Belmont High School
Vista Hermosa Natural Park
Edward R Roybal Learning Center
Los Angeles Civic Center
Grand Park
Good Samaritan Hospital
L.A. LIVE
Prospect Park
Hollenbeck Park
Roosevelt High School
Hollenbeck Middle School
Evergreen Cemetery
Evergreen Recreation Center
White Memorial Medical Center
Los Angeles County USC Medical Center
USC University Hospital
Hazard Park
CSX-UP-LATC
Southern Pacific RR
Union Pacific RR
Santa Ana Fwy
Harbor Fwy
Golden State Fwy
San Bernardino Fwy
Santa Monica Fwy
US-101 Express Ln
I-10 Express Ln
L-10 Express Ln
101
110
10
5
Colton St
Rockwood St
Dawson St
Alpine St
Bartlett St
Ord St
Bruno St
Alhambra Ave
Alcazar St
Lambie St
Zonal Ave
Biggy St
Norfolk St
Charlotte St
Marengo St
Marengo Pl
Verde St
Pomeroy Ave
Judson St
Barlow St
Ganahl St
Bailey St
City View Ave
Sheridan St
Wabash Ave
Bridge St
Pennsylvania Ave
Boulder St
Folsom St
Cincinnati St
E Cesar E Chavez Ave
W Cesar E Chavez Ave
E East Side Blvd
Gleason Ave
Michigan Ave
E 1st St
E 2nd St
E 3rd St
E 4th St
E 5th St
E 6th St
E 7th St
E 7th Pl
E 8th St
E 9th St
E 10th St
E 11th St
E 4th Pl
E Commercial St
Ducommun St
Jackson St
E Temple St
Banning St
Traction Ave
Boyd St
Artemus St
Eagle St
Palmetto St
Factory Pl
Willow St
Produce St
Wholesale St
Conway Pl
Industrial St
Violet St
Whittier Blvd
Jesse St
Rogers Ave
Inez St
Lanfranco St
Guirado St
Oregon St
Dewap Rd
W 1st St
W 2nd St
W 3rd St
W 4th St
W 5th St
W 6th St
W 7th St
W 8th St
W 9th St
W 11th St
W 12th St
W 14th St
W 14th Pl
W 15th St
W 17th St
W Olympic Blvd
E Olympic Blvd
W Pico Blvd
N Alameda St
S Alameda St
S Central Ave
S San Pedro St
S Santa Fe Ave
S Broadway
N Broadway
S Spring St
N Spring St
S Main St
N Main St
S Los Angeles St
N Los Angeles St
S Hill St
N Hill St
S Olive St
S Grand Ave
N Grand Ave
S Hope St
N Hope St
S Flower St
S Figueroa St
N Figueroa St
S Boylston St
N Boylston St
S Beaudry Ave
N Beaudry Ave
S Bixel St
N Bixel St
N Fremont Ave
Lucas Ave
Columbia Ave
Witmer St
Hartford Ave
Georgia St
Francisco St
Miramar St
Emerald St
W 2nd St
Harlem Pl
Winston St
Omar St
Crocker St
Towne Ave
Stanford Ave
Gladys Ave
Ceres Ave
Agatha St
Kohler St
Merchant St
Market Ct
Terminal St
Warehouse St
Maple Ave
Wall St
Santee St
Werdin Pl
Midway Pl
Blackstone Ct
Lebanon St
Margo St
San Julian St
S Myers St
N Myers St
S Mission Rd
N Mission Rd
S Anderson St
S Clarence St
S Utah St
S Gless St
S Pecan St
S Boyle Ave
S State St
Echandia St
Pleasant Ave
Gabriel Garcia Marquez St
Villa Dr
N Vignes St
Avila St
Bauchet St
Lyon St
Ramirez St
Keller St
Center St
Rose St
S Garey St
N Garey St
Seaton St
Colyton St
S Hewitt St
Molino St
Mateo St
Imperial St
Mesquit St
Mill St
Hollins St
Penrith Dr
Camulos St
Orme Ave
Euclid Ave
S Chicago St
N Chicago St
S St Louis St
N St Louis St
N Cummings St
S Soto St
N Soto St
S Mathews St
N Mathews St
N Breed St
S Breed St
Cornwell St
Brittania St
N Fickett St
N Mott St
N Saratoga St
N Savannah St
N Evergreen Ave
Forest Ave
S Dacotah St
S Fresno St
Concord St
S Grande Vista Ave
Bernal Ave
S Lorena St
Playground St
Richmond St
San Pablo St
Leroy St
Bloom St
Magdalena St
New Depot St
Cleveland St
Yale St
New High St
College St
Aliso St
Arcadia St
2nd Pl
St Paul Ave
St Paul Pl
Ingraham St
Union Pl
Loma Dr
Frank Ct
Lindley Pl
Hearn Ct
Staples Center

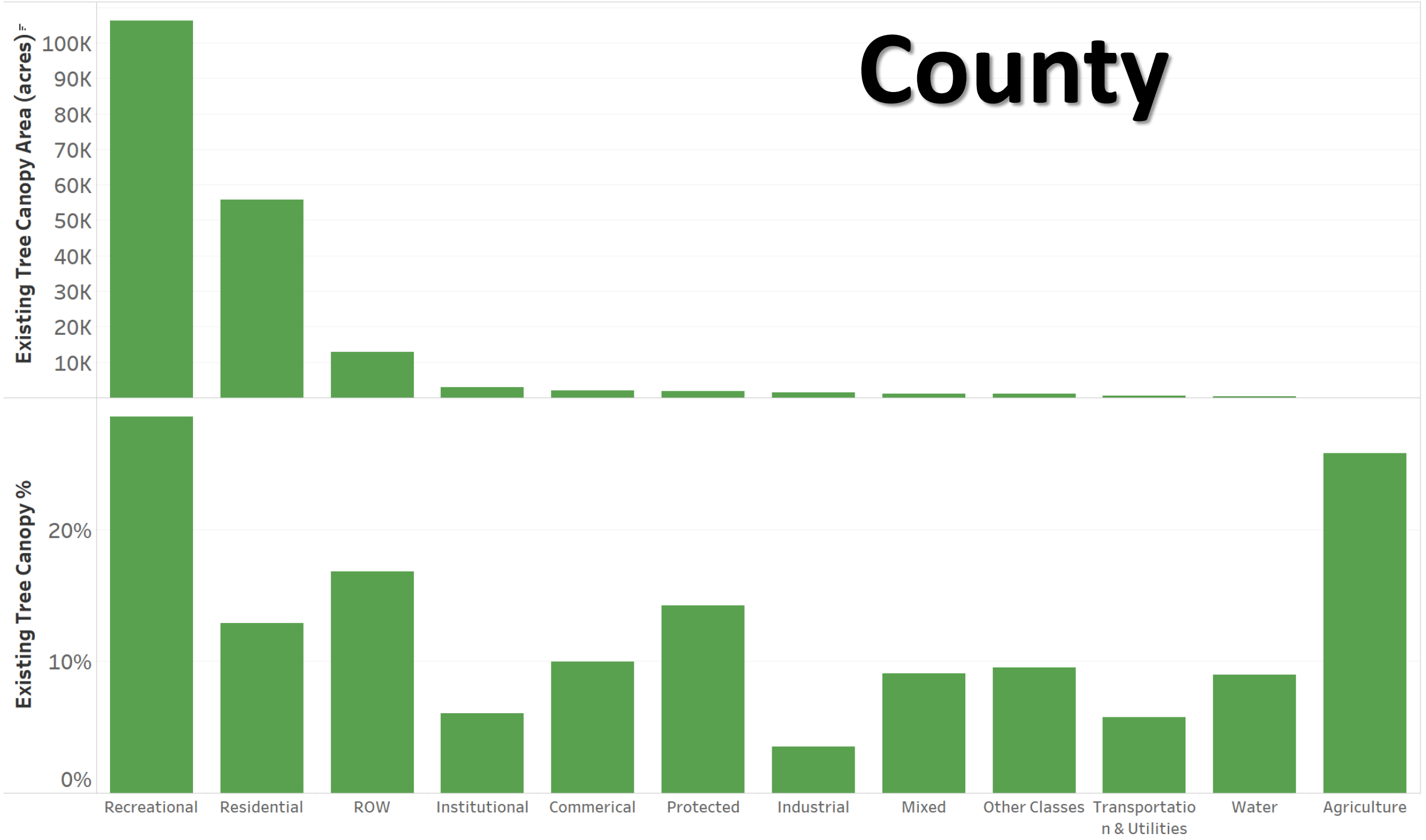

Residential
Commercial
Institutional
Industrial
Transportation & Utilities
Mixed
Recreational
Agriculture
Water
Protected
ROW
Other



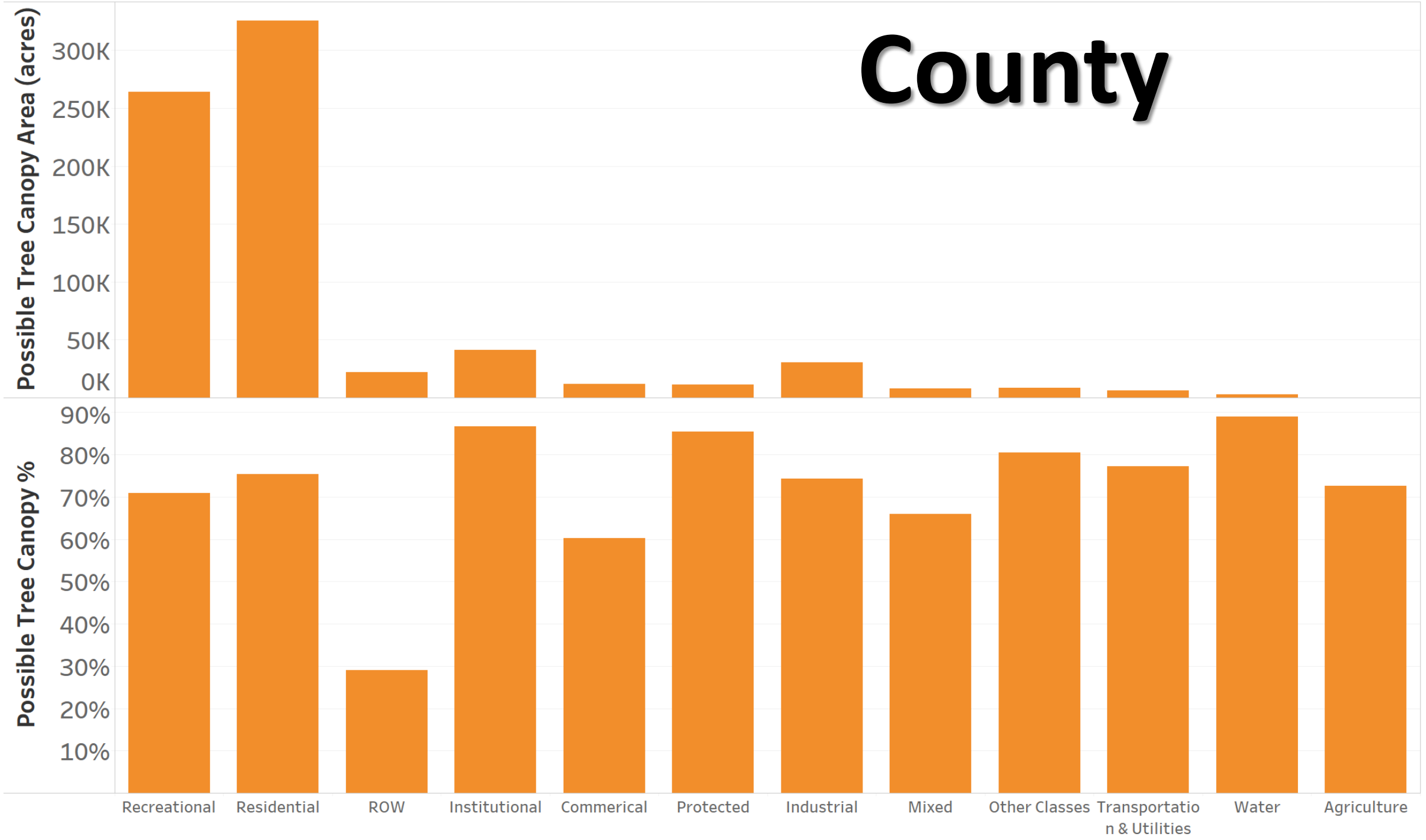
Brentwood
Brentwood Heights
Westwood
Westwood Village
Sawtelle Va Center
West Los Angeles
Rancho Park
West La
San Diego Fwy
S Sepulveda Blvd
Wilshire Blvd
Santa Monica Blvd
San Vicente Blvd
Le Conte Ave
Weyburn Ave
Charles E Young Dr S
Strathmore Pl
Strathmore Dr
Westwood Park
Los Angeles National Cemetery
Brentwood Country Club
Los Angeles Country Club
Westfield Century City
Emerson Middle School
University High School
Brentwood School
Barrington Recreation Center
Veterans Affairs Medical Center West Los Angeles
UCLA Medical Center
Wooden Center
Pauley Pavilion
Royce Hall
Geology Young Hall
Holmby Park
Dowlen Dr W
Dowlen Dr E
Constitution Ave
Ashton Ave
Veteran Ave
Westwood Blvd
Wilkins Ave
Kinnard Ave
Holman Ave
Eastborne Ave
Manning Ave
Wellworth Ave
Rochester Ave
Ohio Ave
Massachusetts Ave
Missouri Ave
La Grange Ave
Selby Ave
Malcolm Ave
Overland Ave
Pontius Ave
Cotner Ave
Barry Ave
Stoner Ave
Texas Ave
Armacost Ave
Brockton Ave
Colby Ave
Federal Ave
Nebraska Ave
Corinth Ave
Iowa Ave
Mississippi Ave
Pelham Ave
Prosser Ave
Patricia Ave
Linnington Ave
Lauriston Ave
Tennessee Ave
Almayo Ave
Ilona Ave
Blythe Ave
W Olympic Blvd
W Pico Blvd
Glendon Ave
Midvale Ave
Westholme Ave
Holmby Ave
Ashton Ave
Woodruff Ave
Pandora Ave
Thayer Ave
Fairburn Ave
Selby Ave
Malcolm Ave
Glenmont Ave
Hilgard Ave
Warner Ave
Loring Ave
Wyton Dr
Devon Ave
Wilshire Blvd
Santa Monica Blvd
Constellation Blvd
Century Park W
Kerwood Ave
Orton Ave
Berencia Ave
Mississippi Ave
Calvin Ave
S Beverly Glen Blvd
Westholme Ave
Holmby Ave
Comstock Ave
Club View Dr
Ensley Ave
Warnall Ave
Fox Hills Dr
Westfield Century City
Veteran Ave
Wilkins Ave
Westwood Blvd
Glendon Ave
Ashton Ave
Kinross Ave
Lindbrook Dr
Wilshire Blvd
Le Conte Ave
Weyburn Ave
Gayley Ave
Strathmore Dr
Levering Ave
Westwood Plz
Landfair Ave
Glenrock Ave
Kelton Ave
Veteran Ave
Midvale Ave
Tilden Ave
Cashmere St
Dunsmuir Ave
Denslow Ave
S Bentley Ave
S Barrington Ave
Montana Ave
Gorham Ave
Dorothy St
Granville Ave
Darlington Ave
Mayfield Ave
Kiowa Ave
Goshen Ave
Barry Ave
Stoner Ave
Texas Ave
Rochester Ave
Ohio Ave
Franklin St
Berkeley St
Stanford St
Yale St
Harvard St
Centinela Ave
Lipton Ave
Amherst Ave
Wellesley Ave
Rochester Ave
Montana Ave
S Bundy Dr
S Saltair Ave
W Gorham Ave
W Dorothy St
S Gretna Green Way
Franklin St
Burlingame Ave
S Moreno Ave
Montana Ave
Wilshire Blvd
McClellan Dr
Brentwood Country Club
Brentwood School
The Archer School For Girls
Barrington Recreation Center
Veterans Affairs Medical Center West Los Angeles
Los Angeles National Cemetery
West Medical Center
Emerson Middle School
Westwood Park
University High School
Los Angeles Country Club
Westfield Century City
Macy's Westside Pavilion
Vons


Residential
Commercial
Institutional
Industrial
Transportation & Utilities
Mixed
Recreational
Agriculture
Water
Protected
ROW
Other

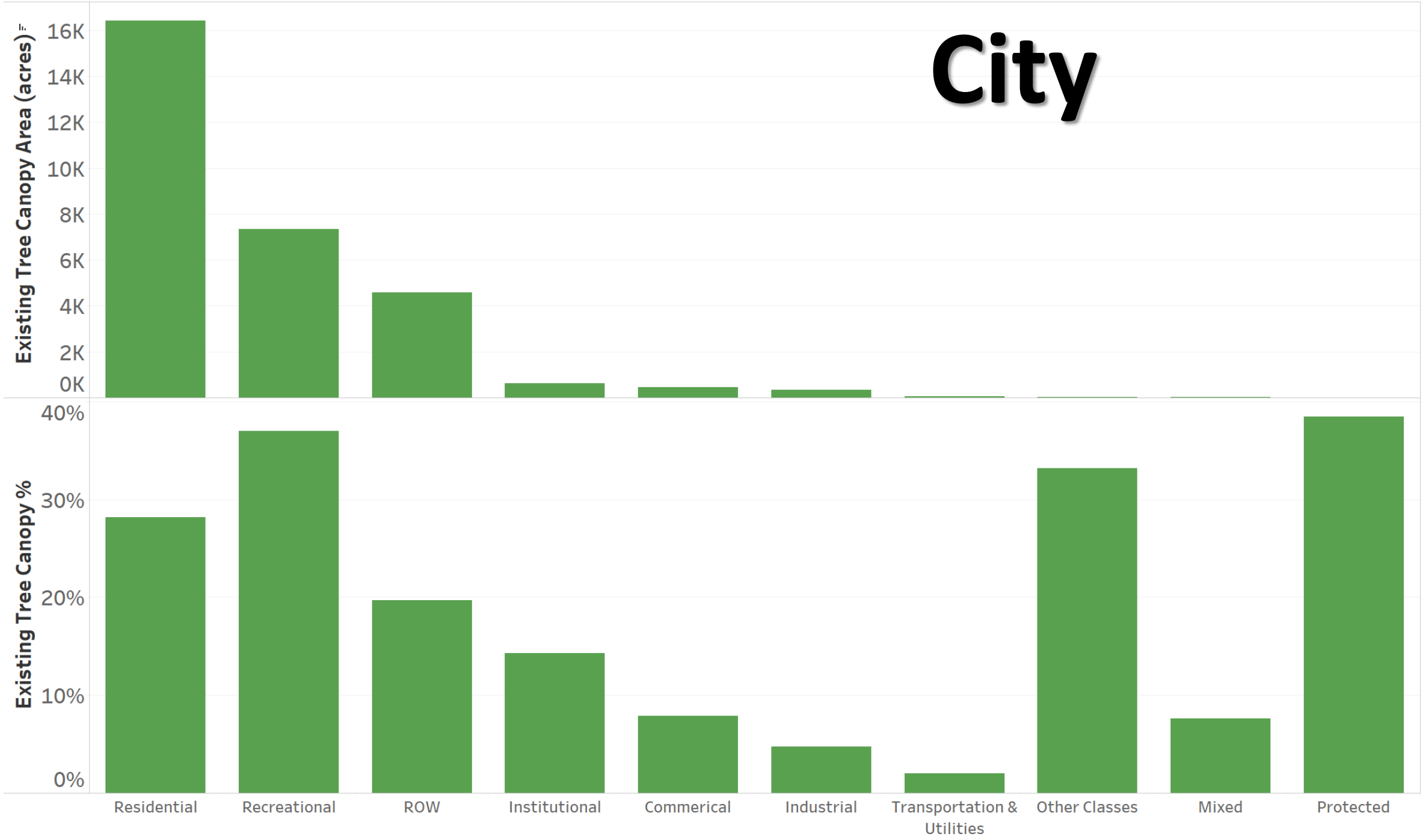
County

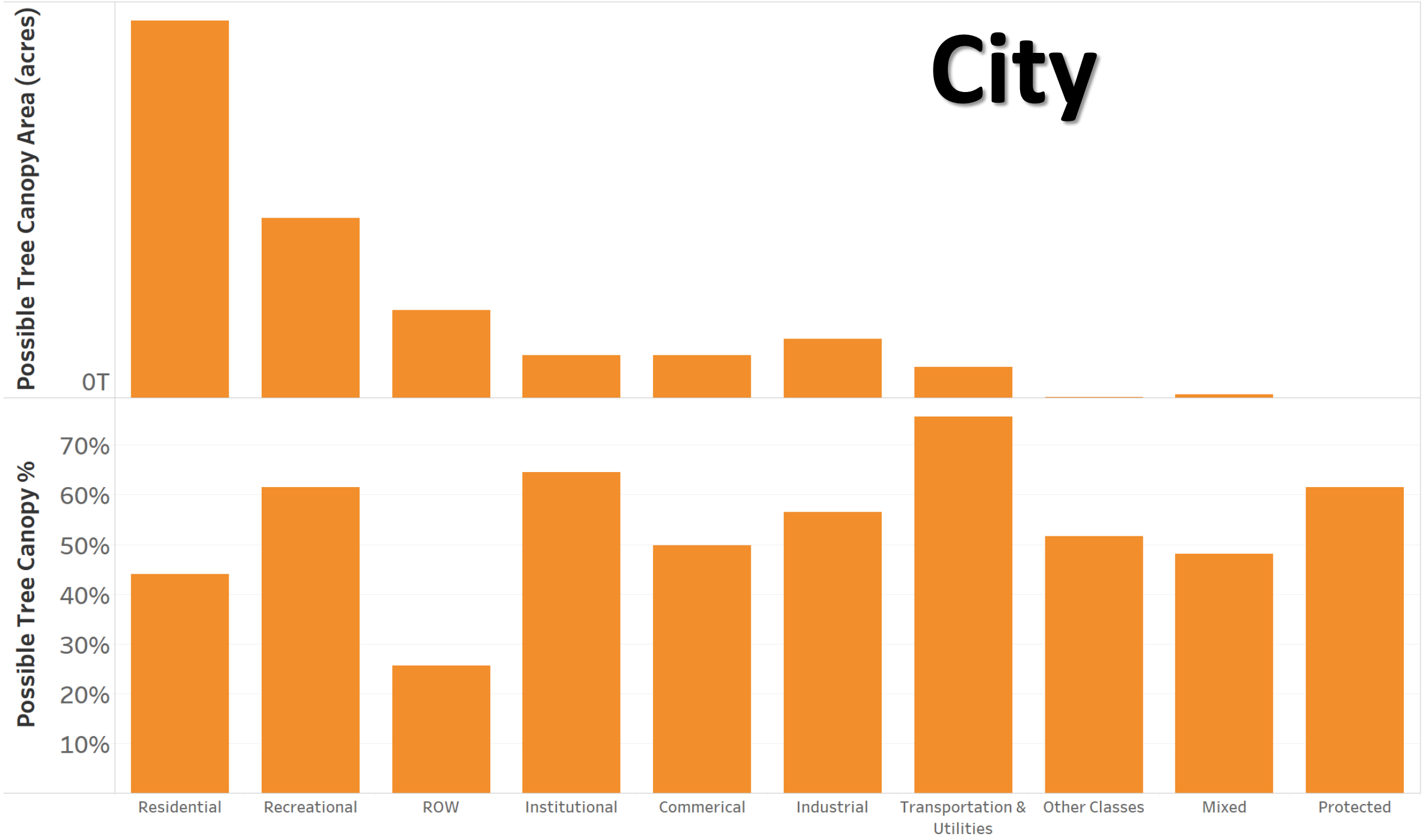

Existing Tree Canopy Area (acres)
100K
90K
80K
70K
60K
50K
40K
30K
20K
10K
Existing Tree Canopy %
20%
10%
0%
Recreational
Residential
ROW
Institutional
Commerical
Protected
Industrial
Mixed
Other Classes
Transportation & Utilities
Water
Agriculture

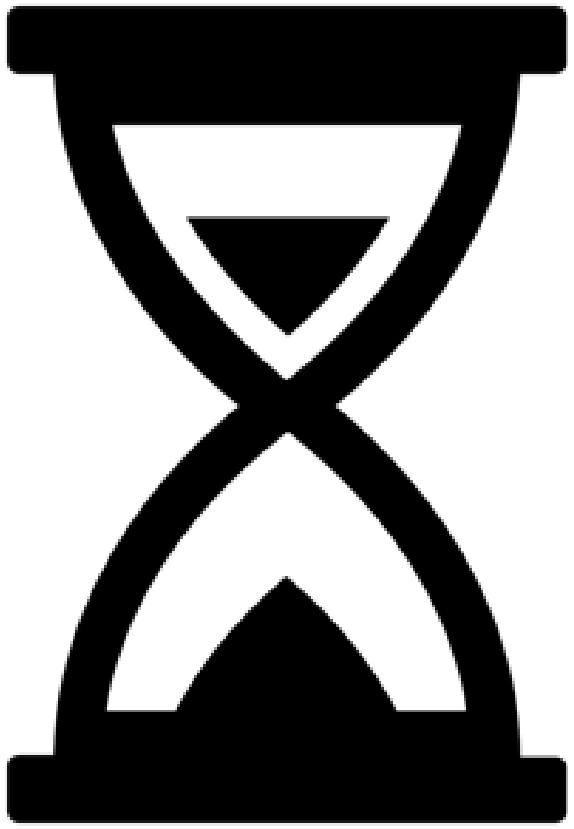
County


Possible Tree Canopy Area (acres)
300K
250K
200K
150K
100K
50K
0K
Possible Tree Canopy %
90%
80%
70%
60%
50%
40%
30%
20%
10%
Recreational
Residential
ROW
Institutional
Commerical
Protected
Industrial
Mixed
Other Classes
Transportation & Utilities
Water
Agriculture

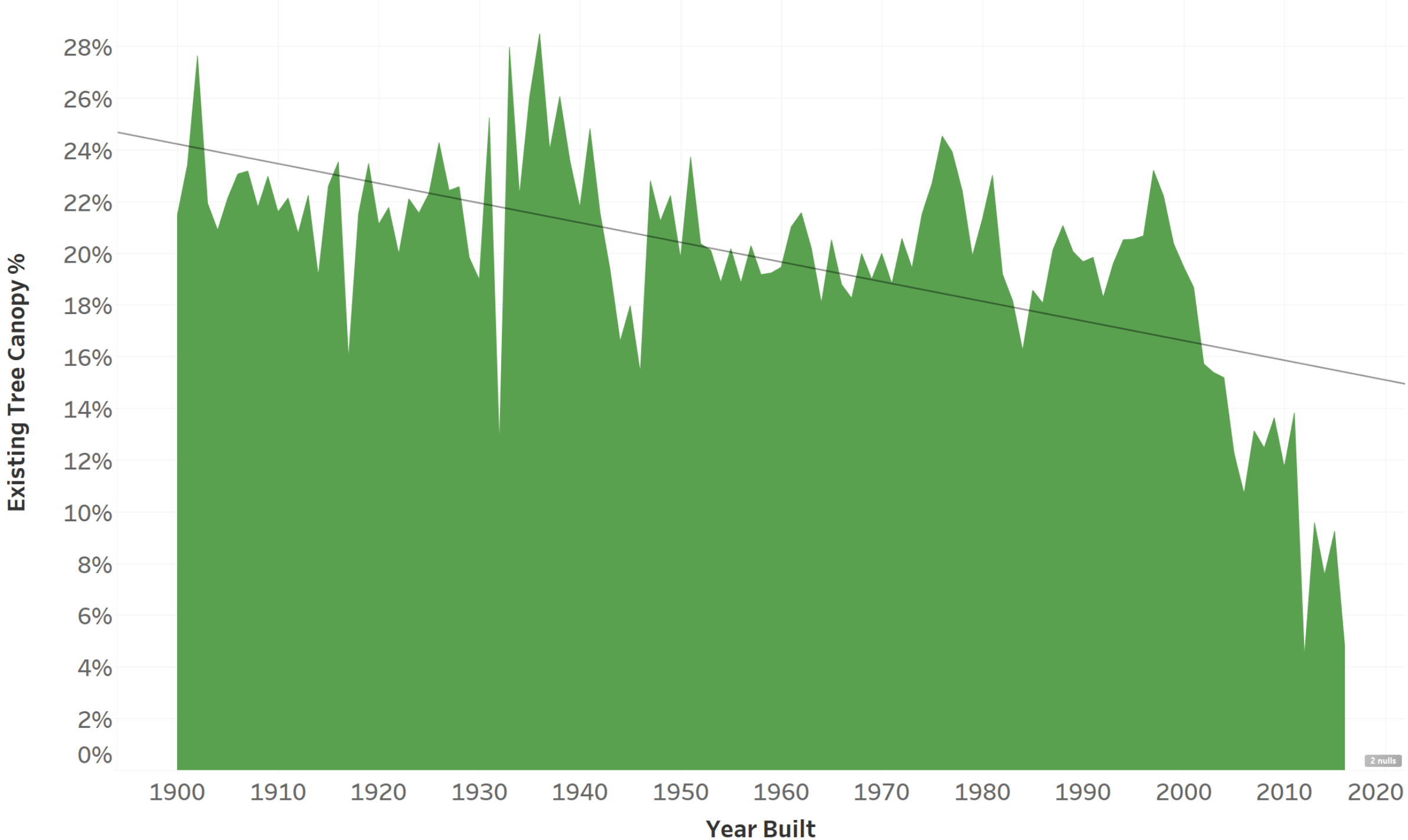
City

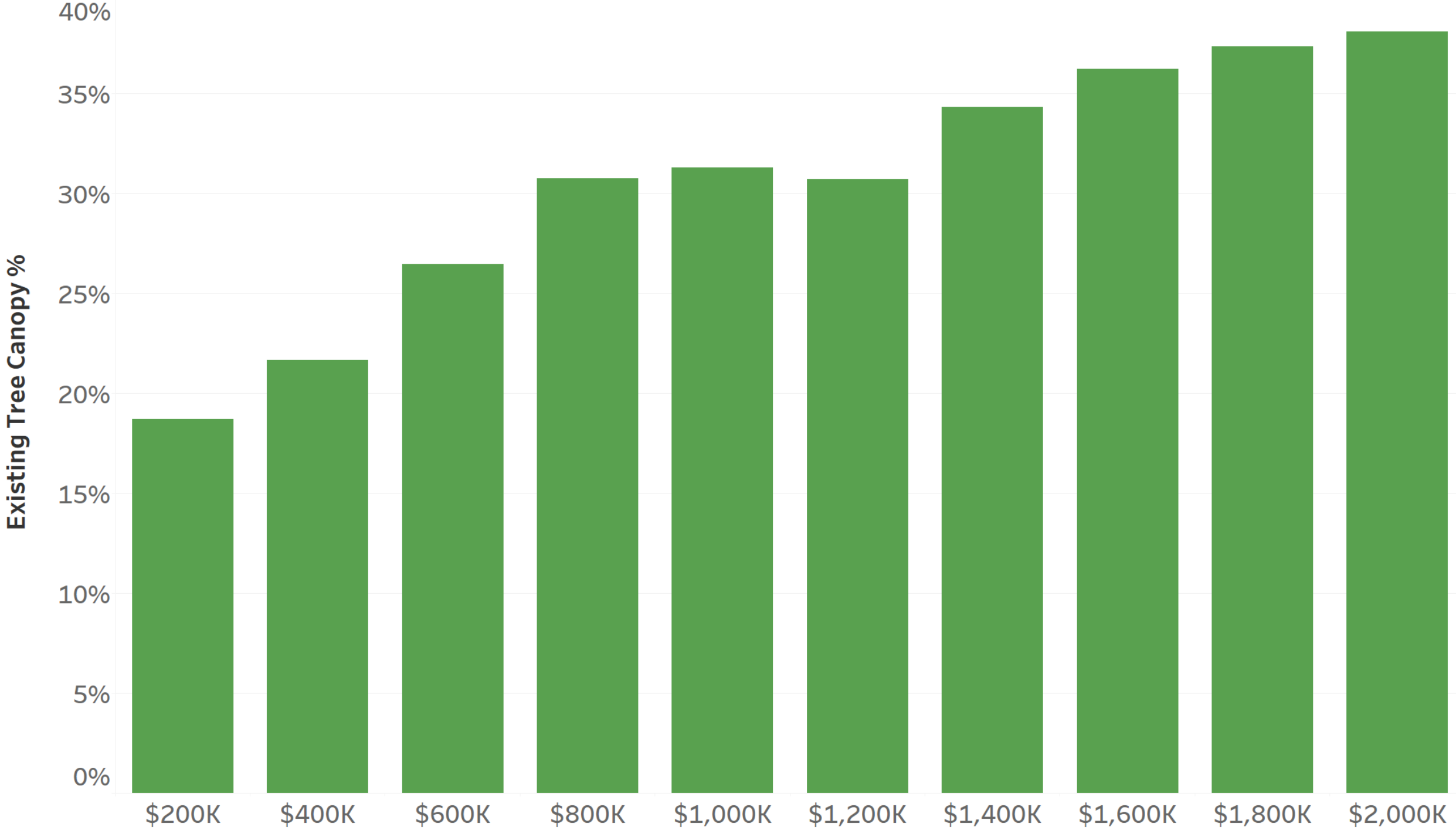

Existing Tree Canopy Area (acres)
16K
14K
12K
10K
8K
6K
4K
2K
0K
Existing Tree Canopy %
40%
30%
20%
10%
0%
Residential
Recreational
ROW
Institutional
Commerical
Industrial
Transportation & Utilities
Other Classes
Mixed
Protected

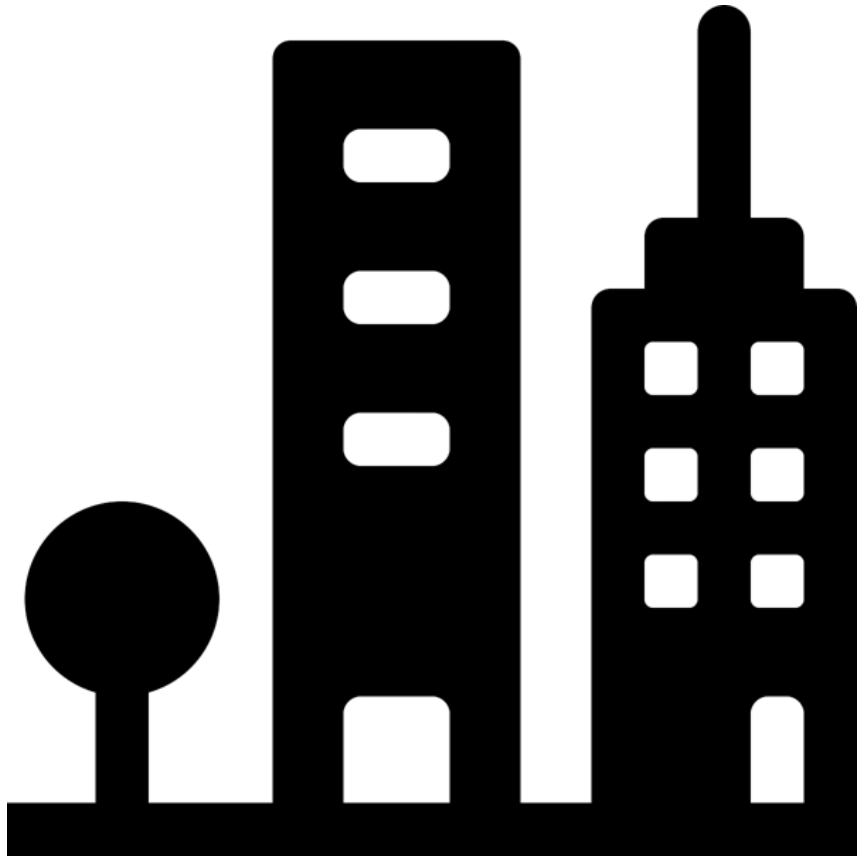

City
Possible Tree Canopy Area (acres)
0T
Possible Tree Canopy %
70%
60%
50%
40%
30%
20%
10%
Residential
Recreational
ROW
Institutional
Commerical
Industrial
Transportation & Utilities
Other Classes
Mixed
Protected



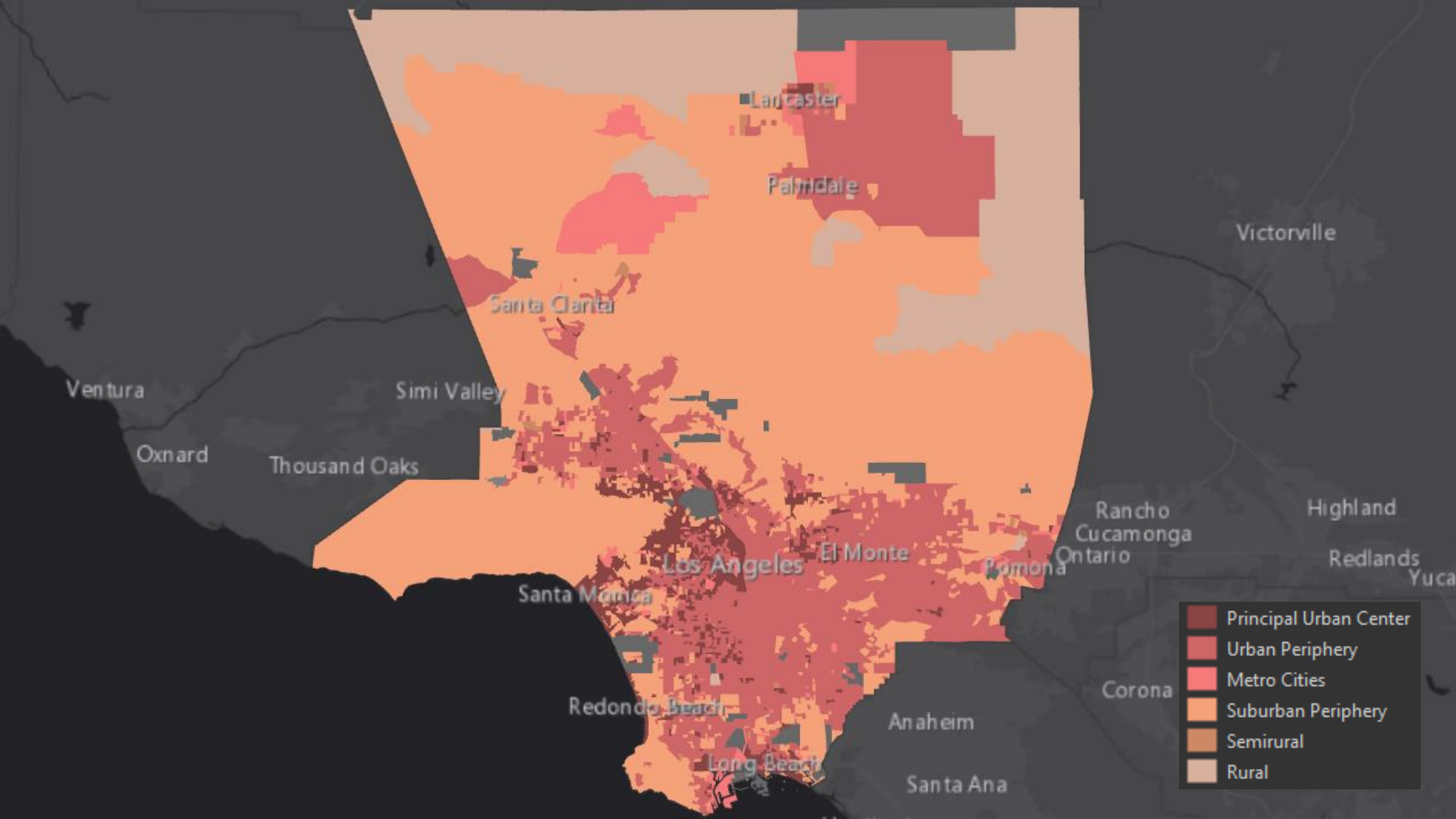
Year Built & Sale Price


Existing Tree Canopy %
28%
26%
24%
22%
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
1900
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
2020
Year Built
2 nulls

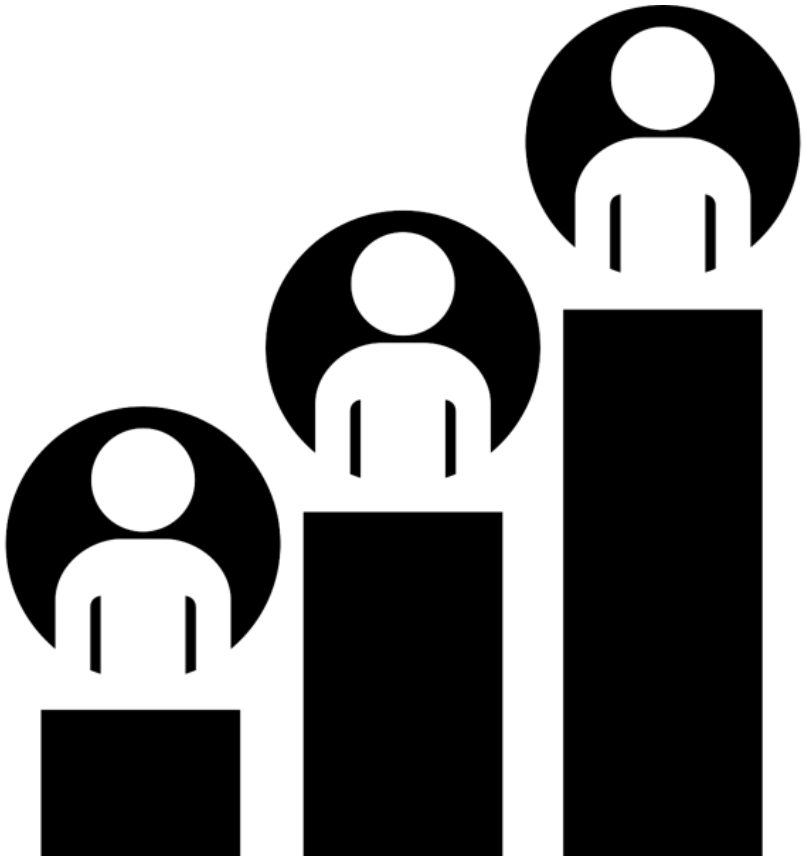

Existing Tree Canopy %
40%
35%
30%
25%
20%
15%
10%
5%
0%
$200K
$400K
$600K
$800K
$1,000K
$1,200K
$1,400K
$1,600K
$1,800K
$2,000K



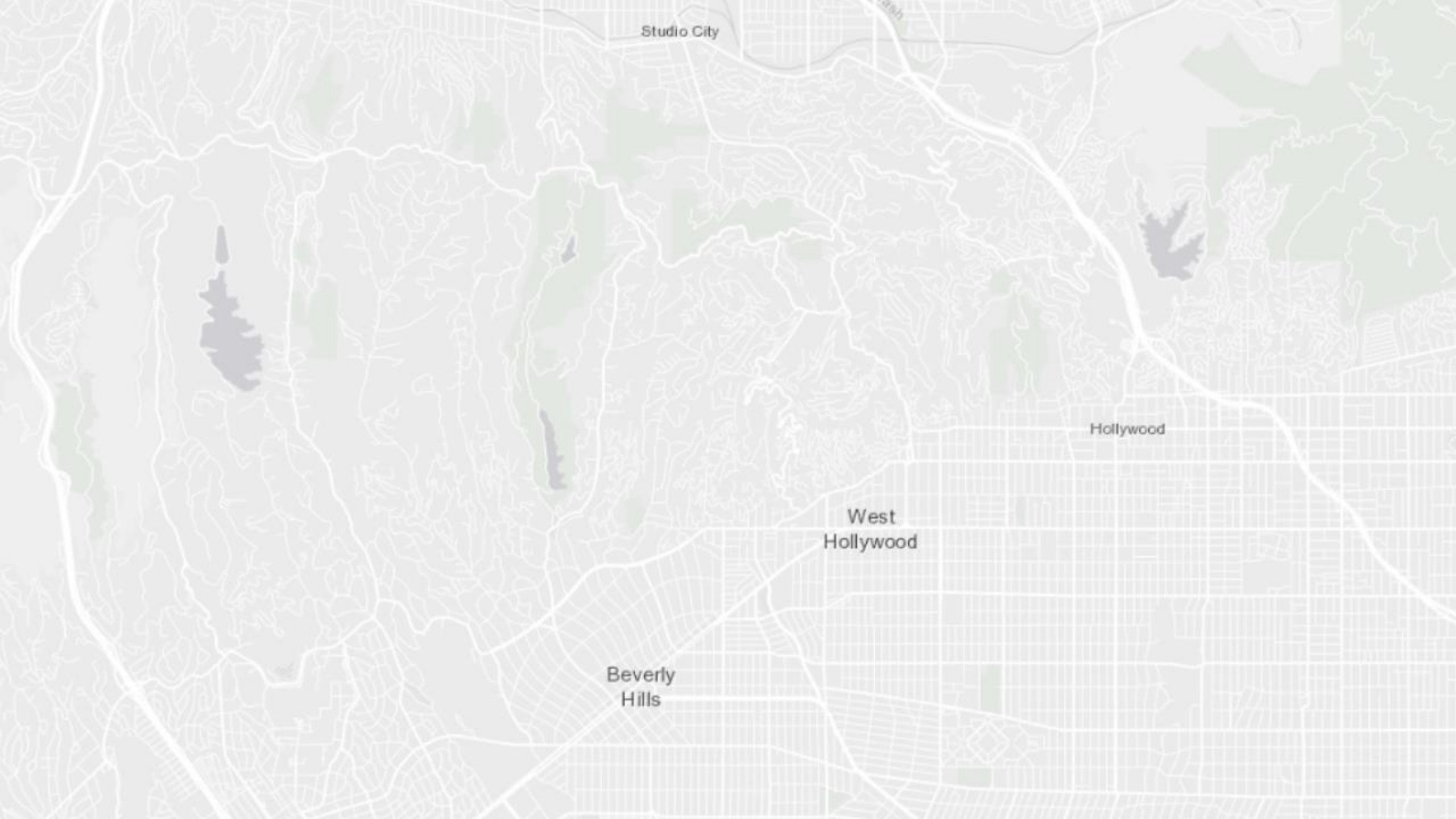
Urbanization

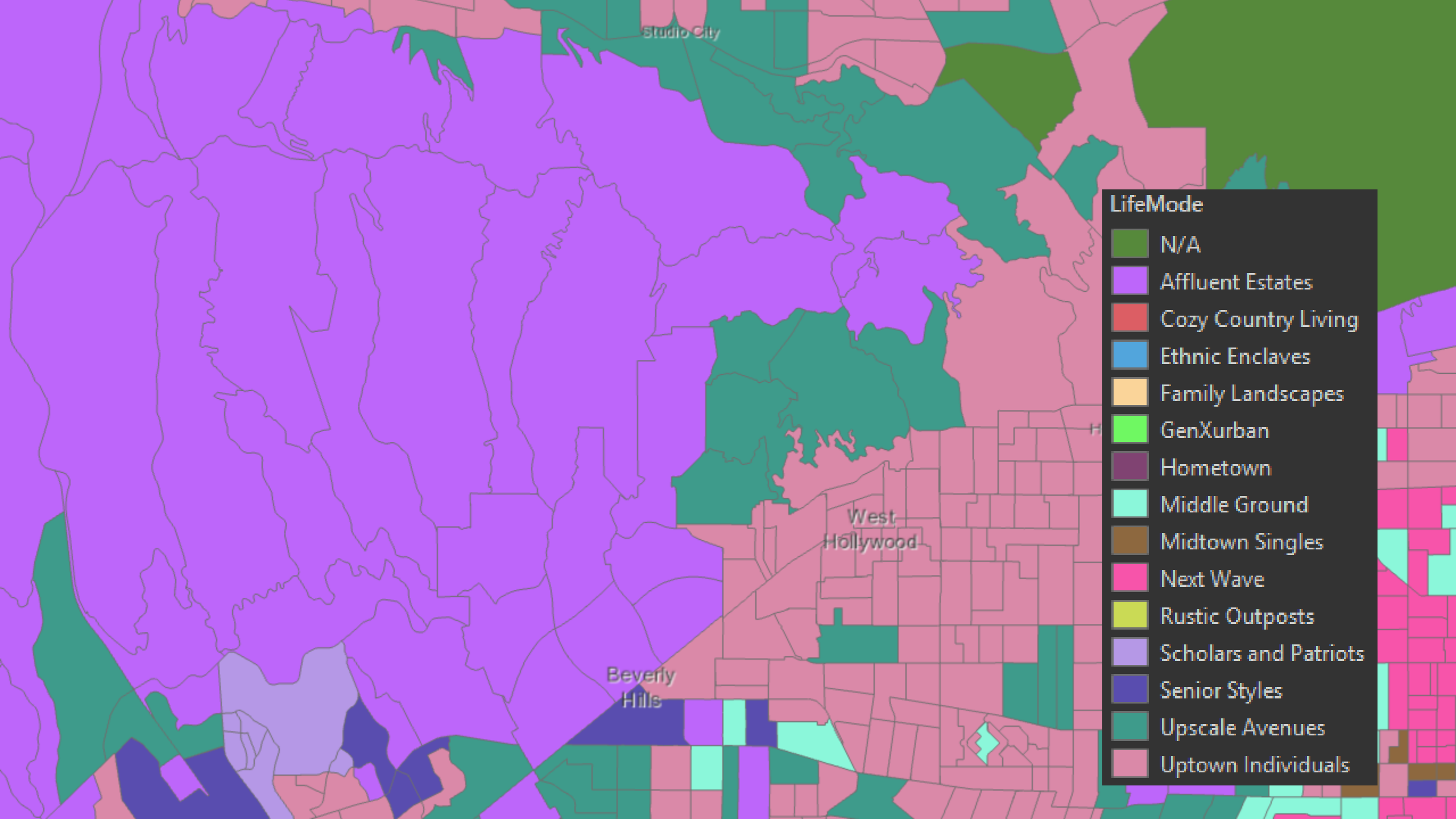

Lancaster
Palmdale
Victorville
Santa Clarita
Ventura
Simi Valley
Oxnard
Thousand Oaks
Rancho Cucamonga
Highland
Ontario
Redlands
Yuca
Los Angeles
El Monte
Pomona
Santa Monica
Corona
Redondo Beach
Anaheim
Long Beach
Santa Ana
Principal Urban Center
Urban Periphery
Metro Cities
Suburban Periphery
Semirural
Rural

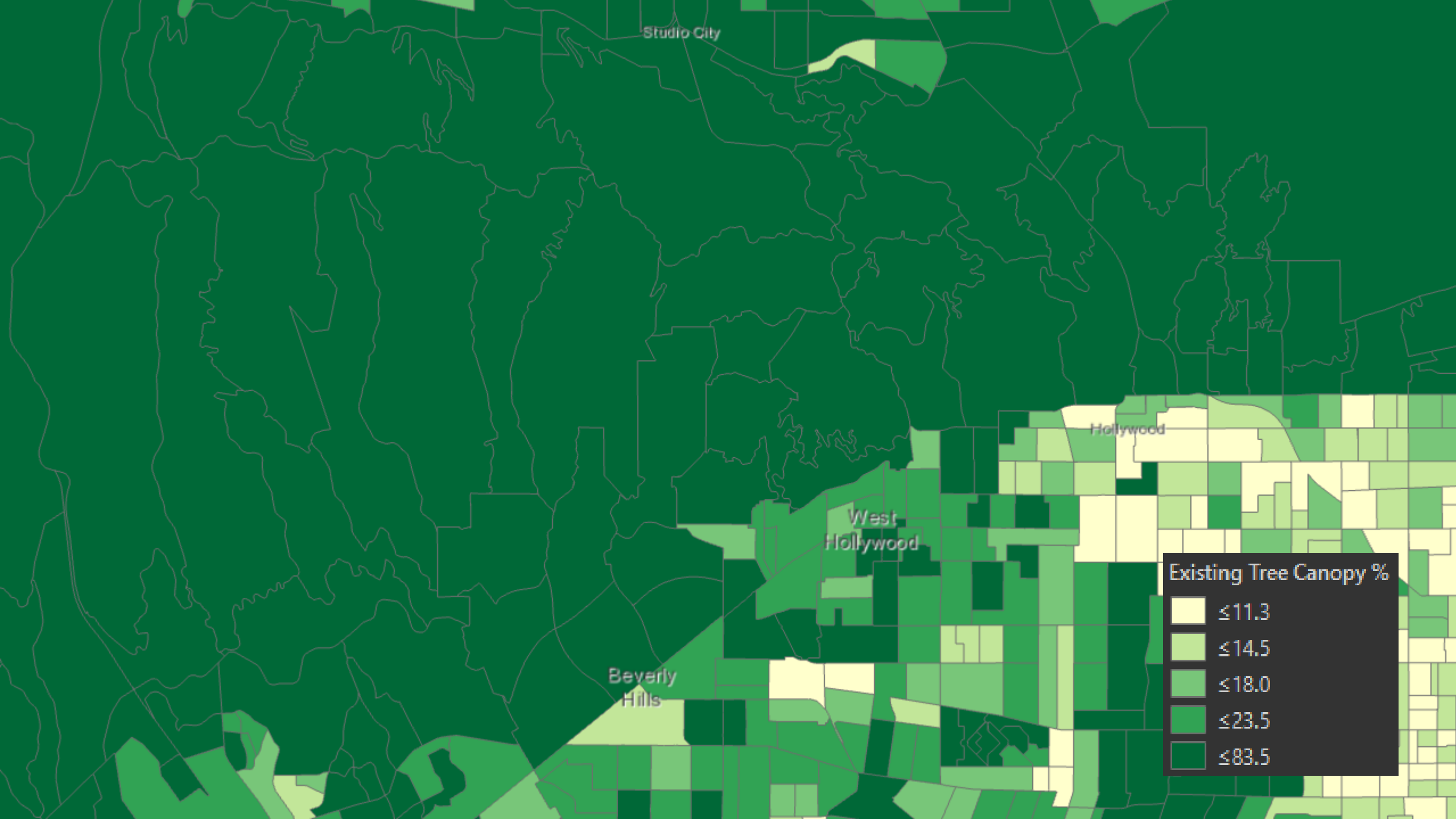
Existing Tree Canopy Area (acres)
120K
100K
80K
60K
40K
20K
0K
Existing Tree Canopy %
25%
20%
15%
10%
5%
0%
Principal Urban Center
Urban Periphery
Metro Cities
Suburban Periphery
Semirural
Rural

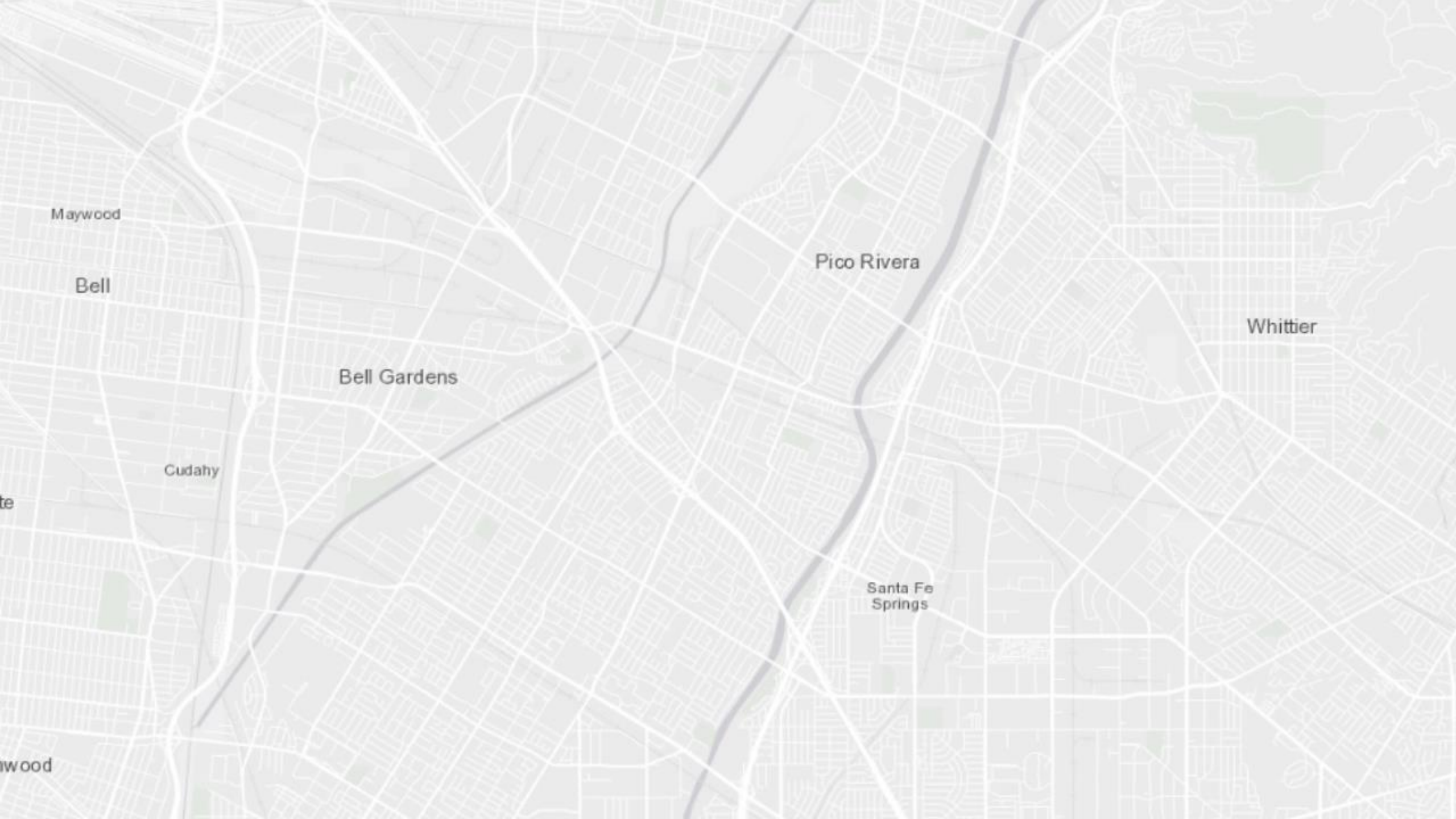


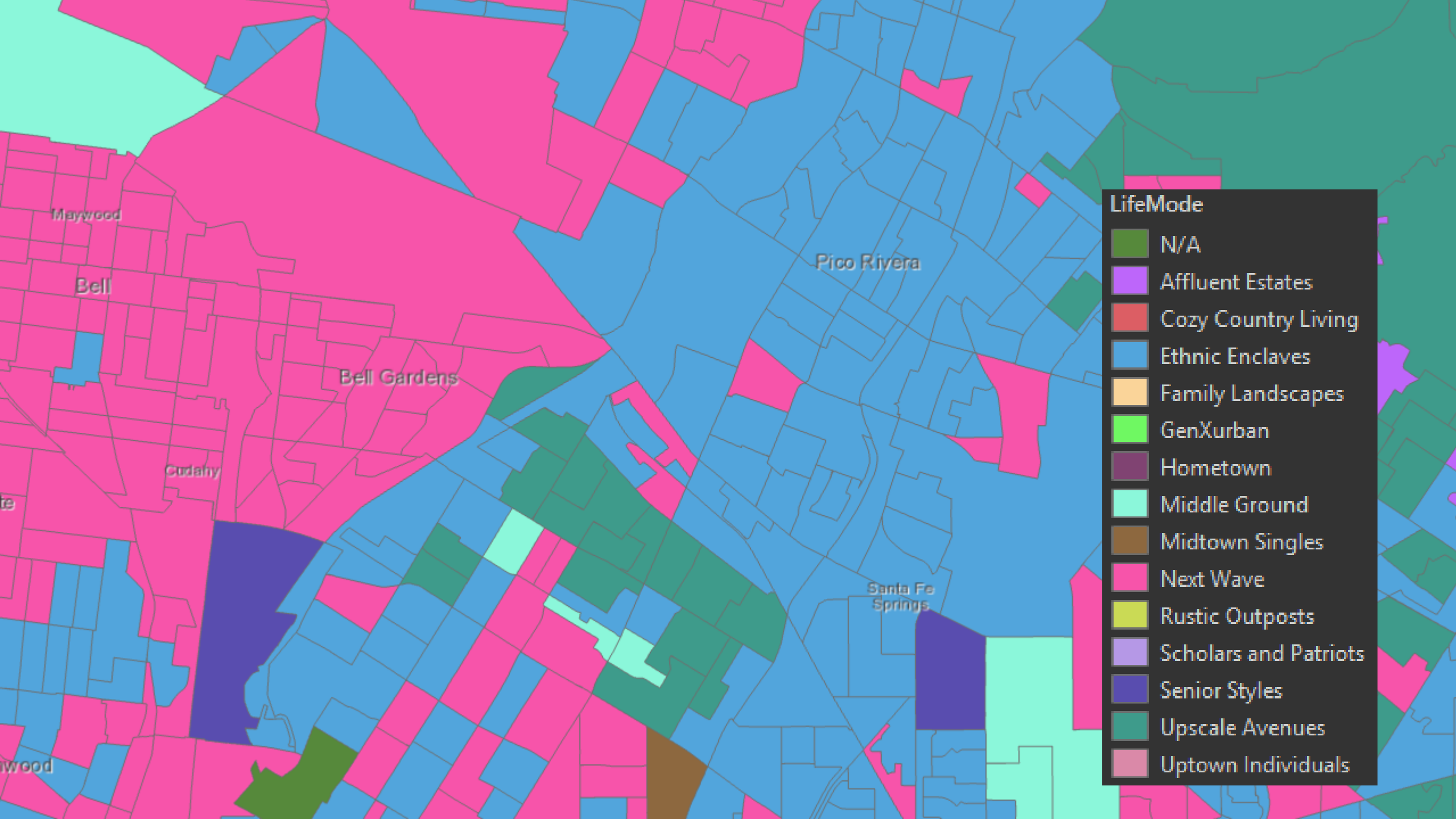
Demographic Metrics

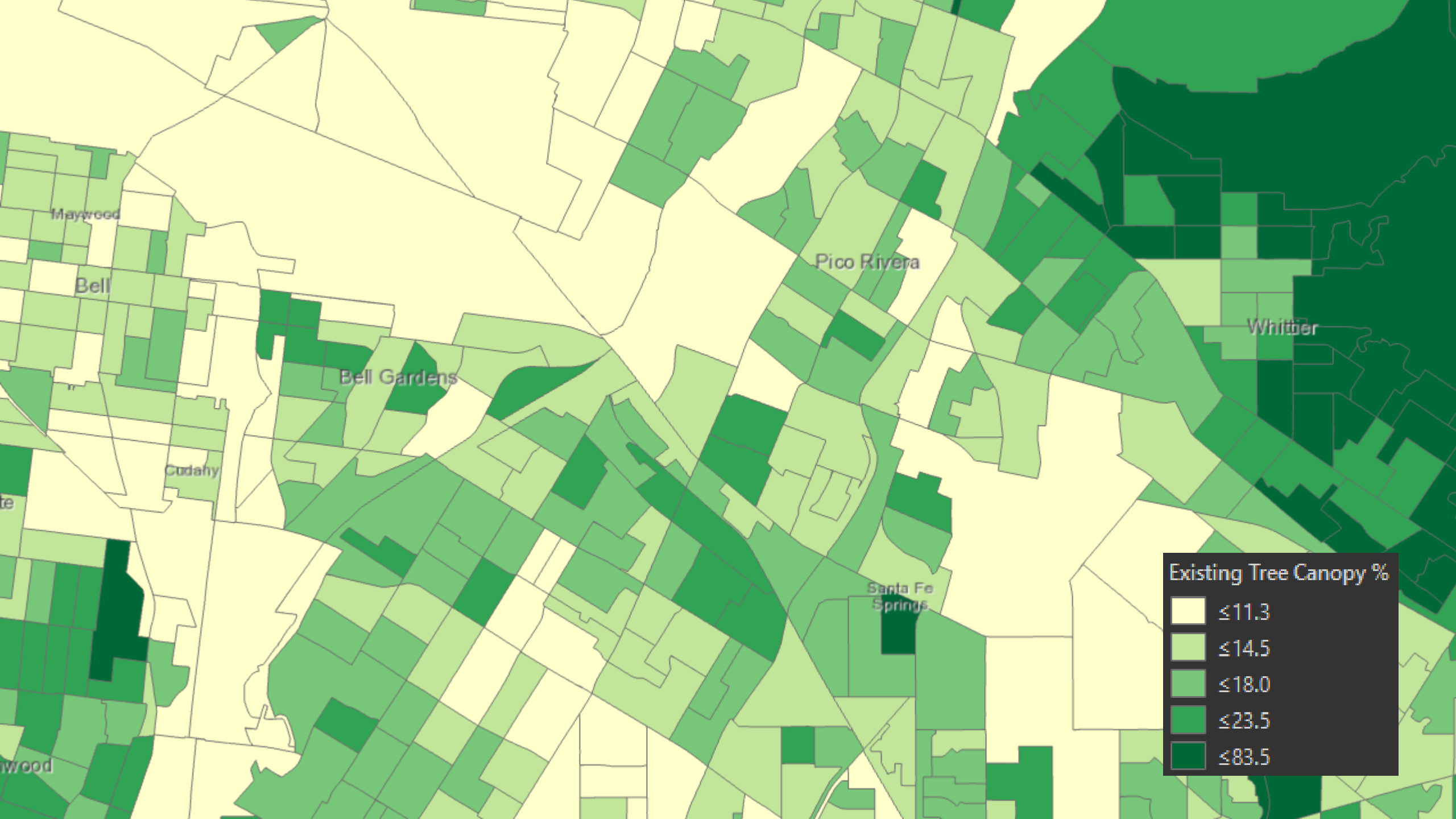

Studio City
Hollywood
West
Hollywood
Beverly
Hills


Studio City
West Hollywood
Beverly Hills
LifeMode
N/A
Affluent Estates
Cozy Country Living
Ethnic Enclaves
Family Landscapes
GenXurban
Hometown
Middle Ground
Midtown Singles
Next Wave
Rustic Outposts
Scholars and Patriots
Senior Styles
Upscale Avenues
Uptown Individuals

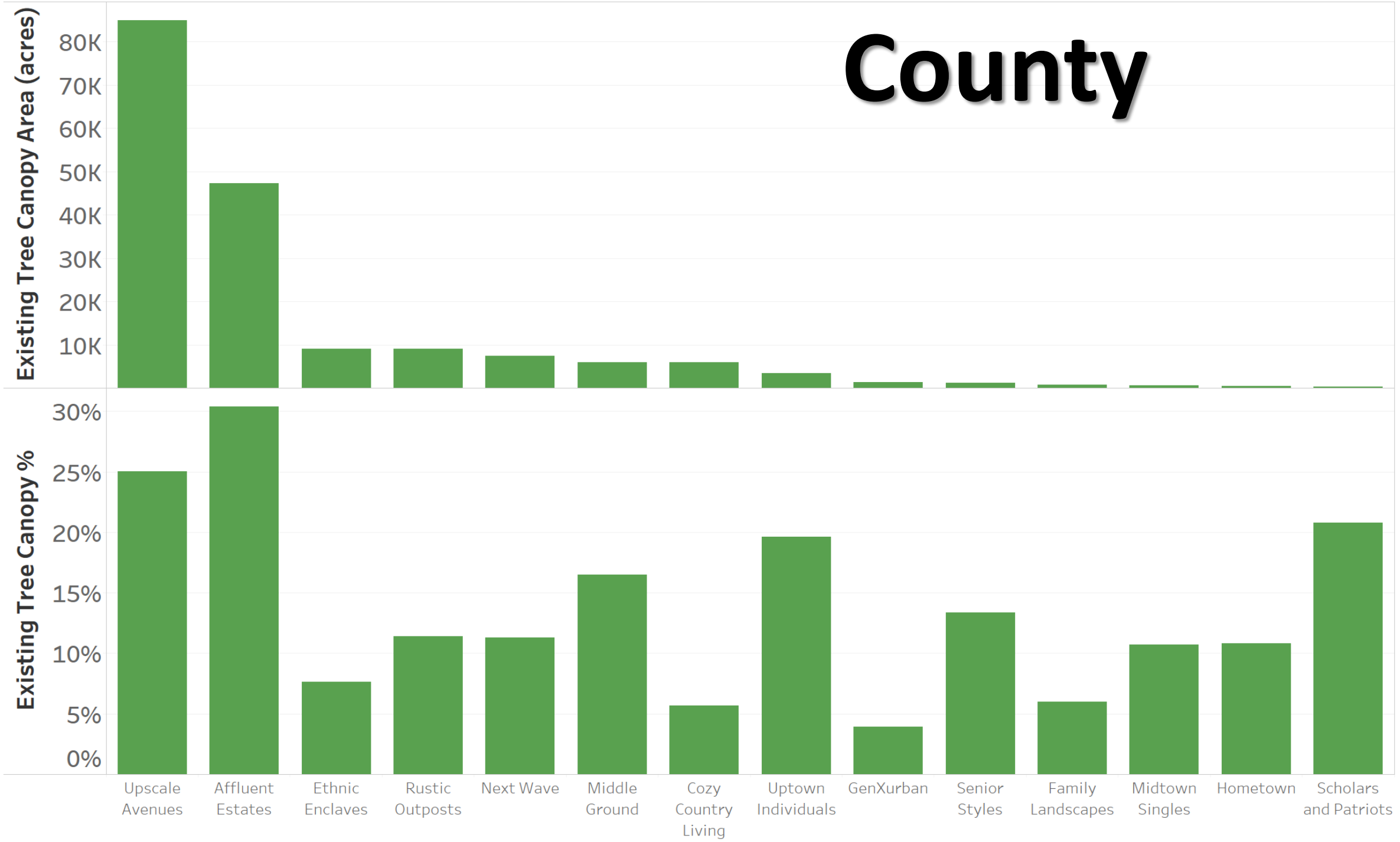

Studio City
Hollywood
West Hollywood
Beverly Hills
Existing Tree Canopy %
≤11.3
≤14.5
≤18.0
≤23.5
≤83.5


Maywood
Bell
Bell Gardens
Cudahy
Pico Rivera
Whittier
Santa Fe Springs

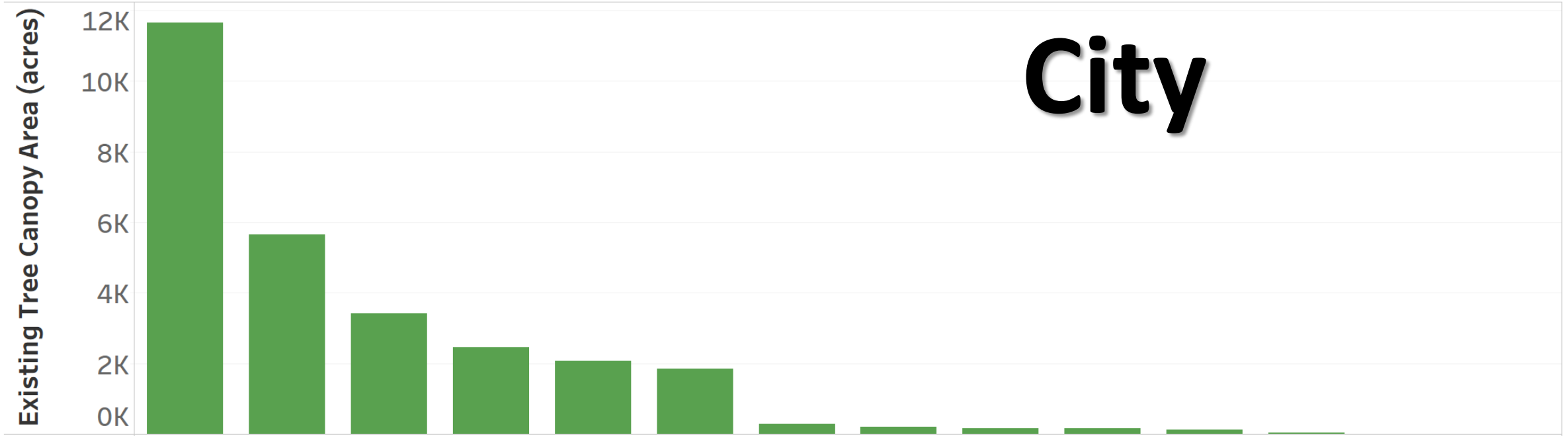

Maywood
Bell
Bell Gardens
Cudahy
Pico Rivera
Santa Fe Springs
LifeMode
N/A
Affluent Estates
Cozy Country Living
Ethnic Enclaves
Family Landscapes
GenXurban
Hometown
Middle Ground
Midtown Singles
Next Wave
Rustic Outposts
Scholars and Patriots
Senior Styles
Upscale Avenues
Uptown Individuals

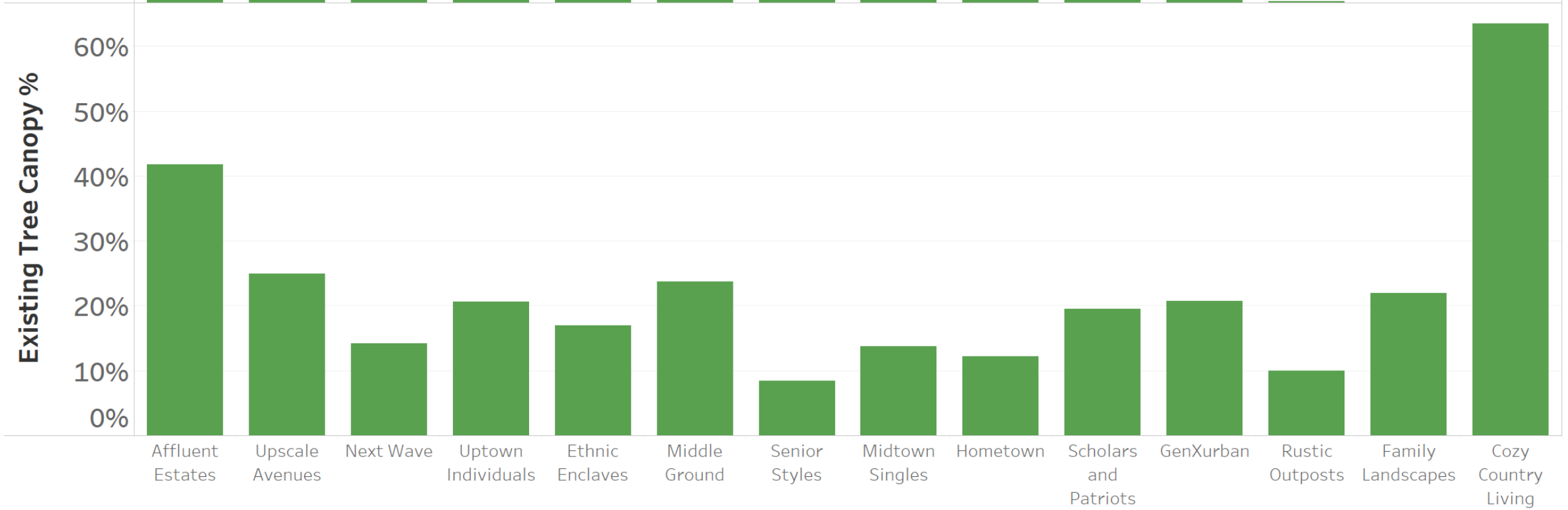

Maywood
Bell
Bell Gardens
Cudahy
Pico Rivera
Whittier
Santa Fe Springs
Existing Tree Canopy %
≤11.3
≤14.5
≤18.0
≤23.5
≤83.5

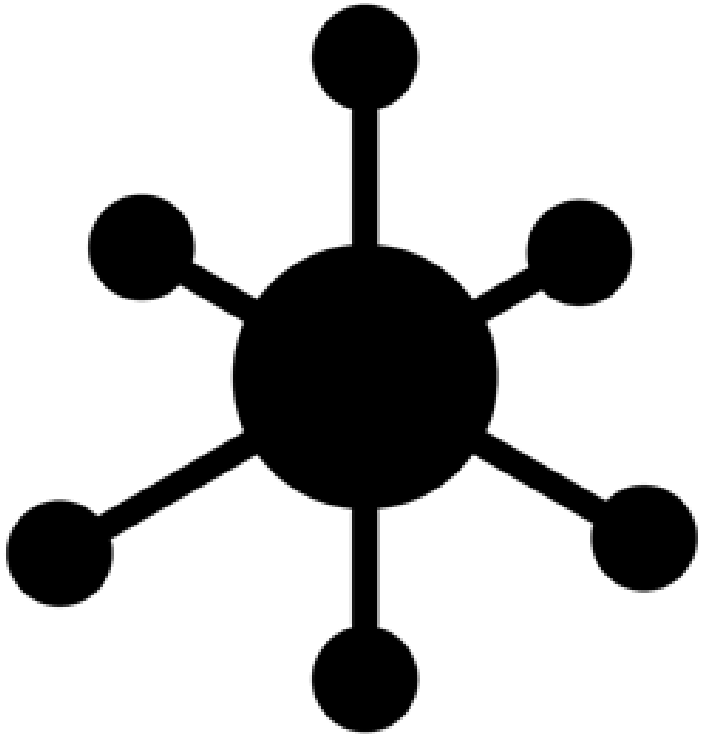
County


Existing Tree Canopy Area (acres)
80K
70K
60K
50K
40K
30K
20K
10K
Existing Tree Canopy %
30%
25%
20%
15%
10%
5%
0%
Upscale Avenues
Affluent Estates
Ethnic Enclaves
Rustic Outposts
Next Wave
Middle Ground
Cozy Country Living
Uptown Individuals
GenXurban
Senior Styles
Family Landscapes
Midtown Singles
Hometown
Scholars and Patriots

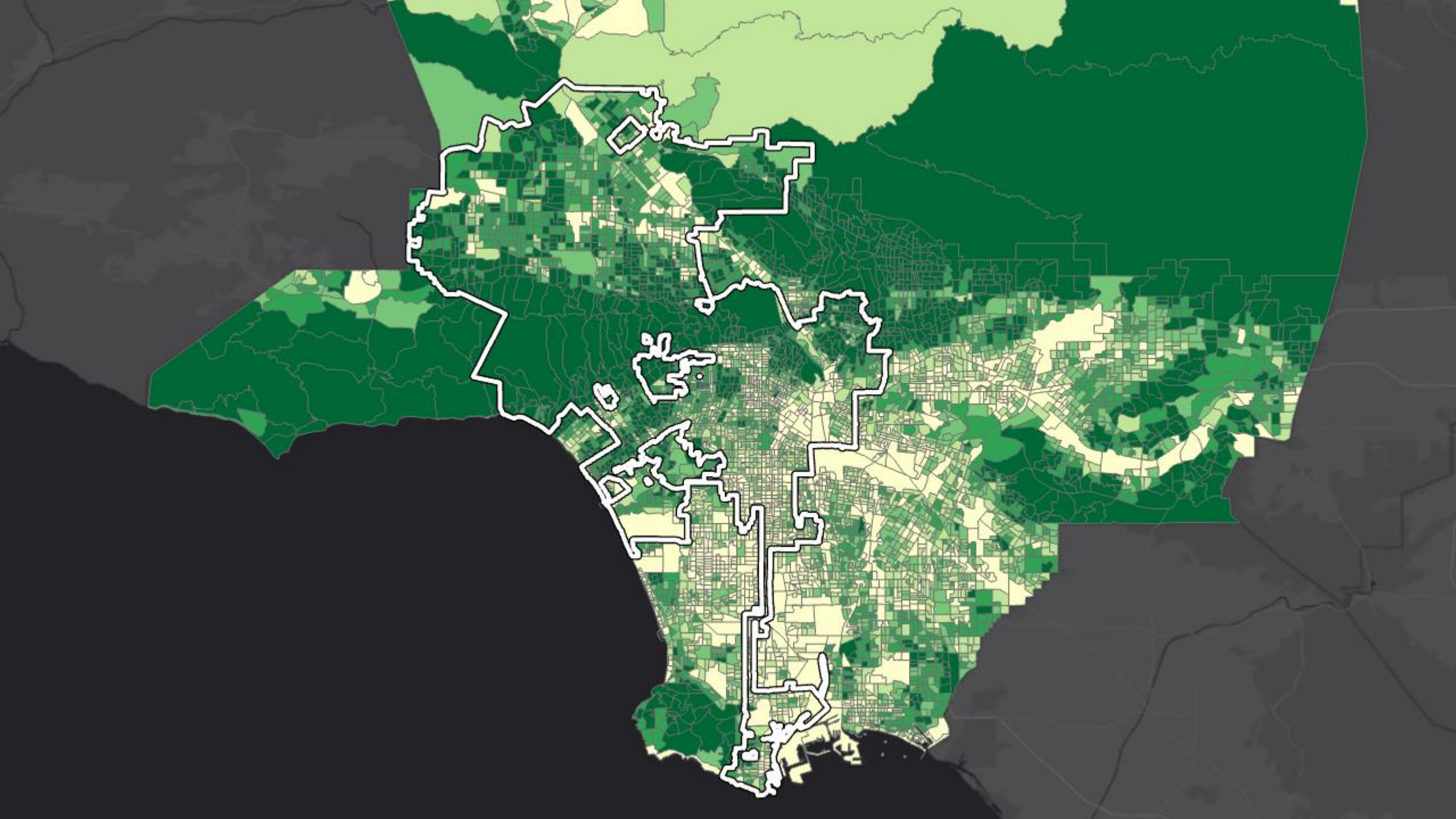
City

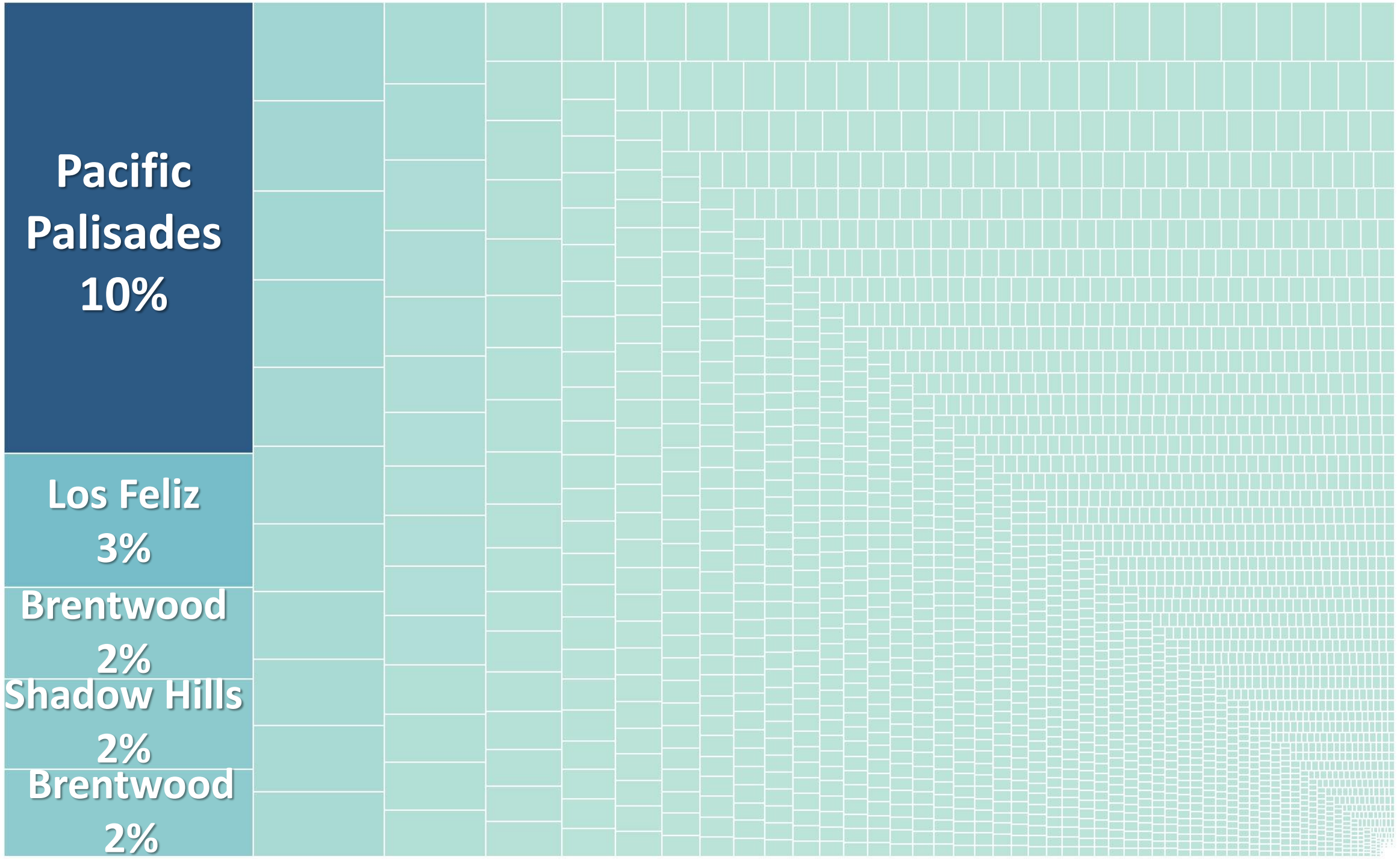

Existing Tree Canopy Area (acres)
12K
10K
8K
6K
4K
2K
0K

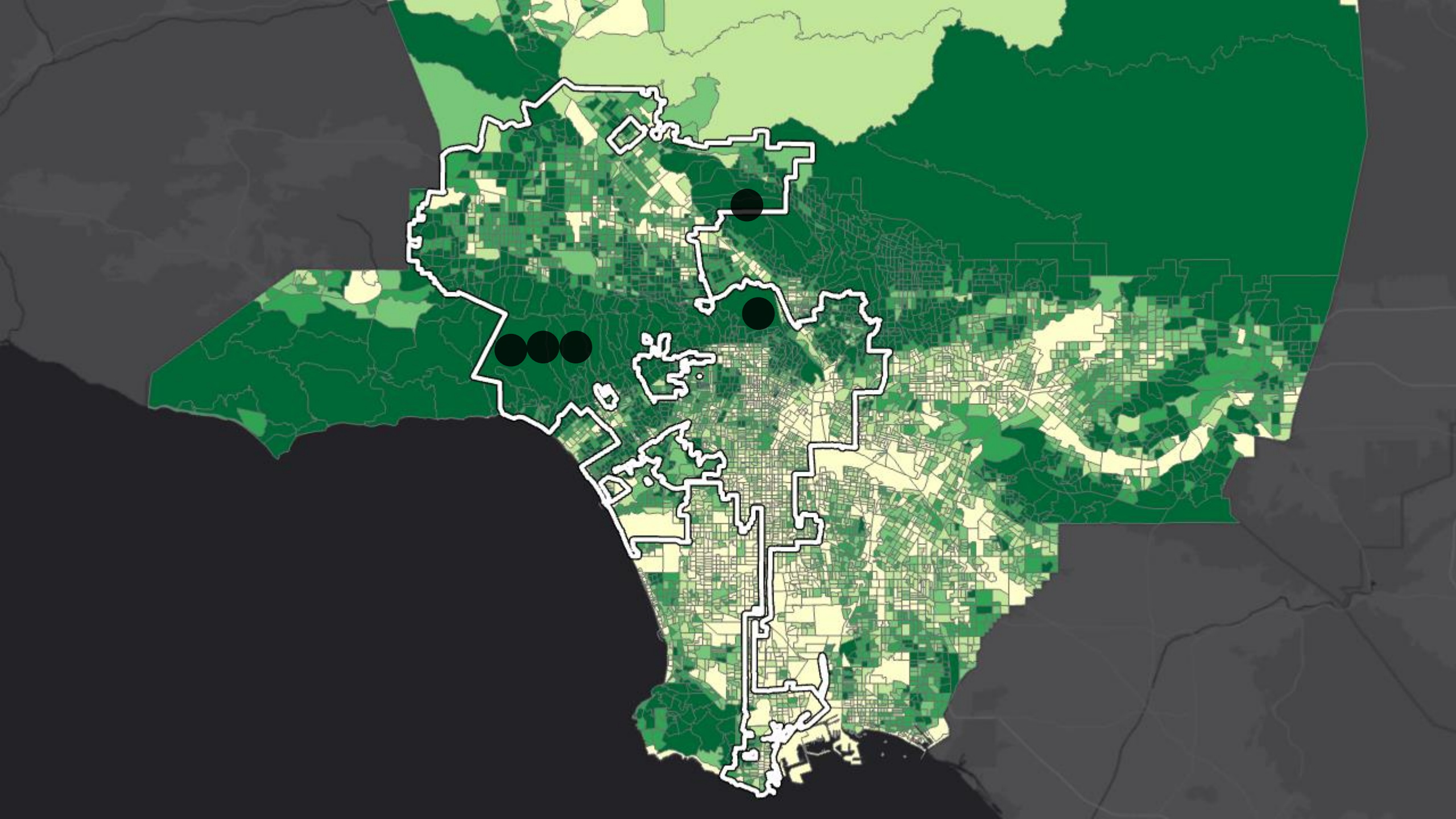

Existing Tree Canopy %
60%
50%
40%
30%
20%
10%
0%
Affluent Estates
Upscale Avenues
Next Wave
Uptown Individuals
Ethnic Enclaves
Middle Ground
Senior Styles
Midtown Singles
Hometown
Scholars and Patriots
GenXurban
Rustic Outposts
Family Landscapes
Cozy Country Living



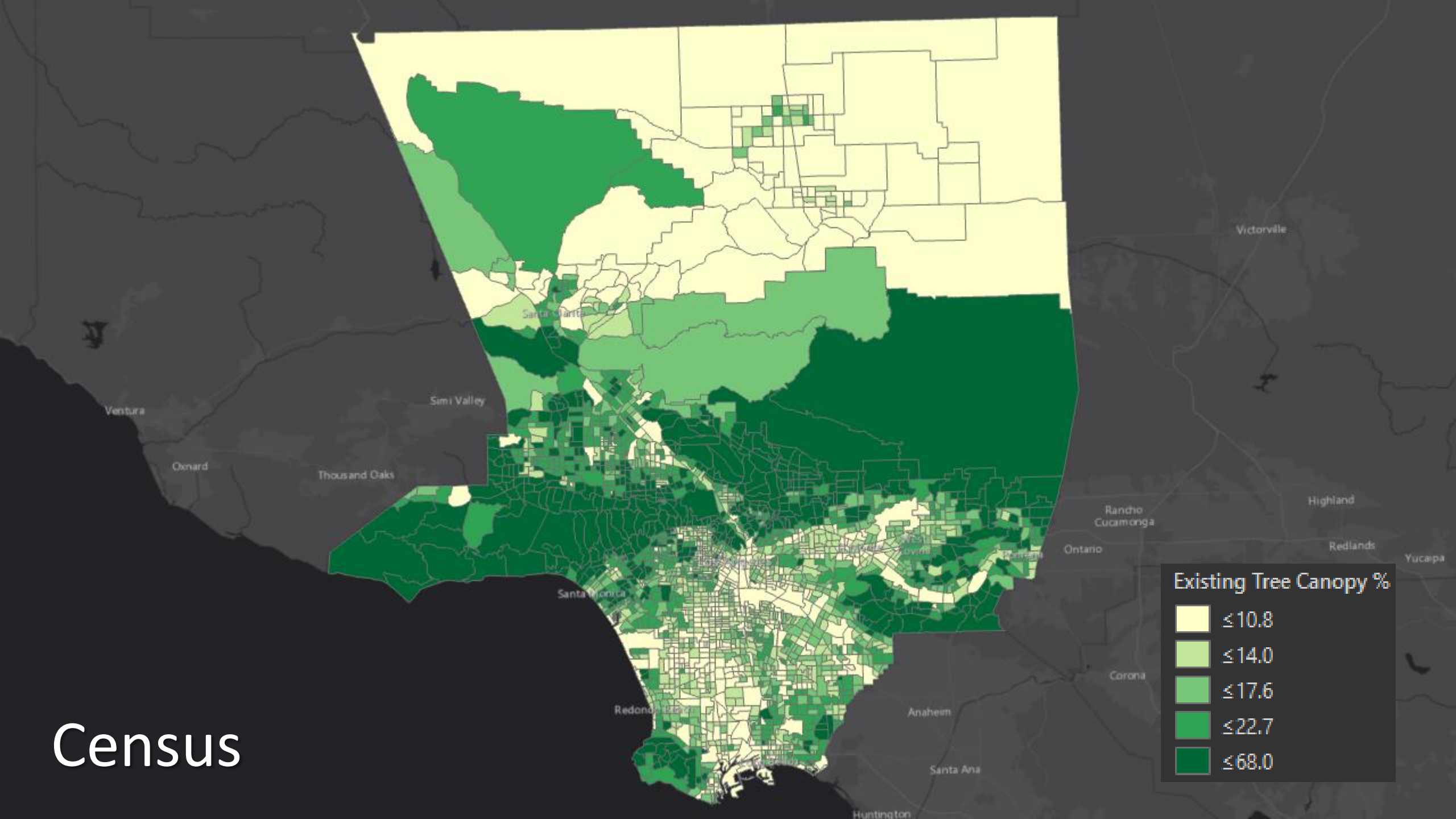
Unequal distribution



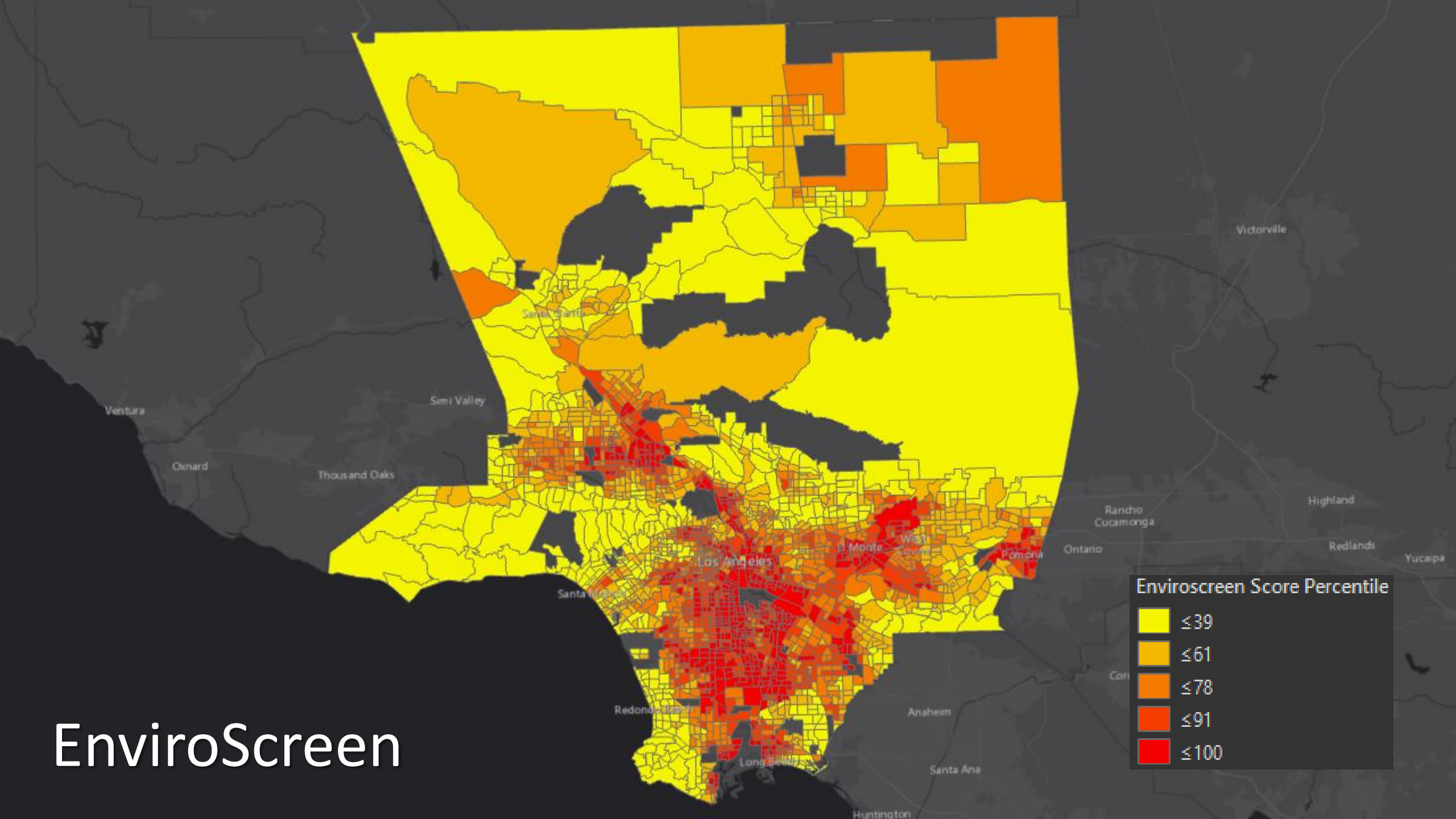

Pacific Palisades 10%
Los Feliz 3%
Brentwood 2%
Shadow Hills 2%
Brentwood 2%



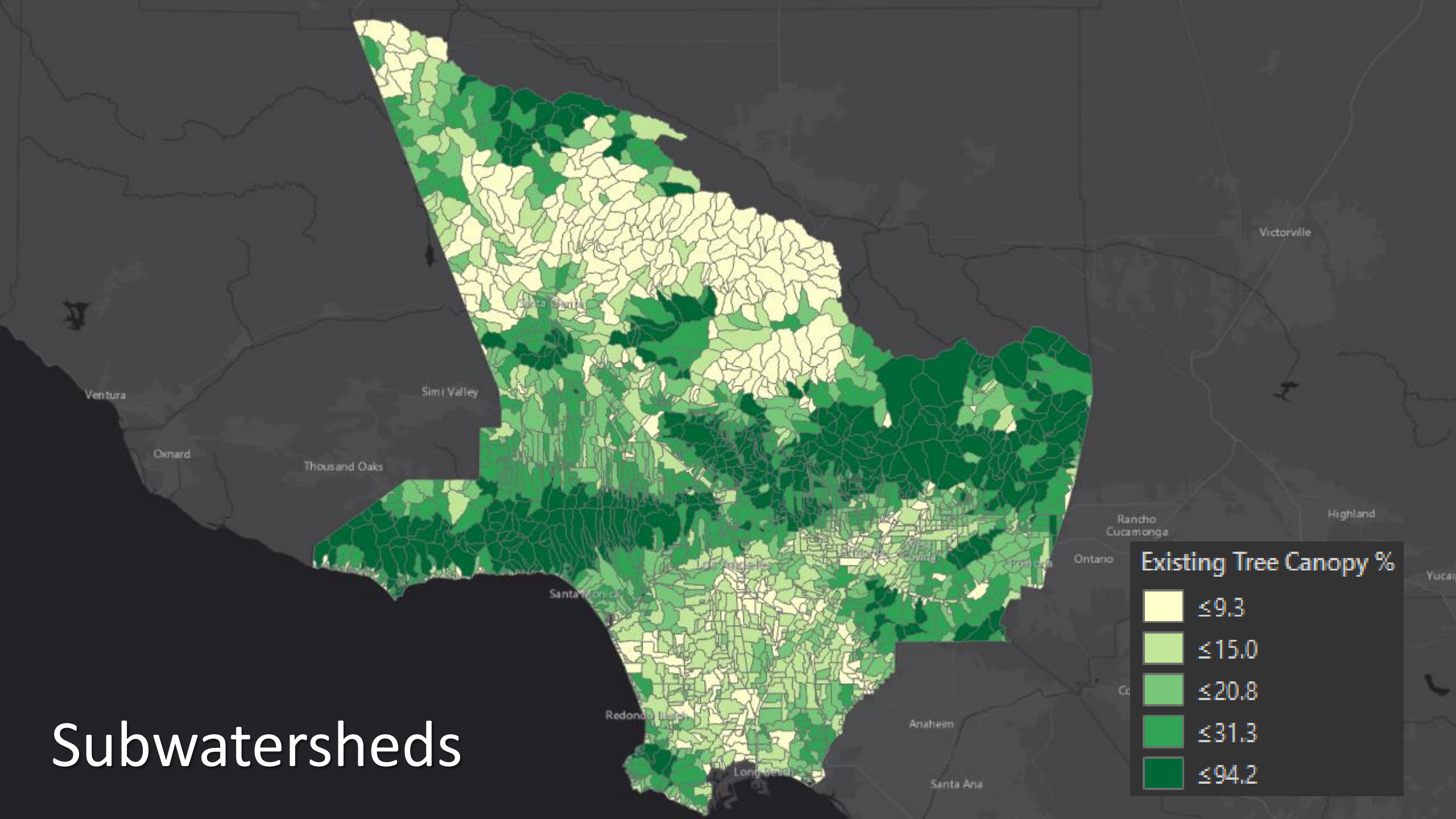
Insights


Victorville
Ventura
Simi Valley
Oxnard
Thousand Oaks
Rancho Cucamonga
Highland
Ontario
Redlands
Yucaipa
Corona
Anaheim
Santa Ana
Huntington
Existing Tree Canopy %
≤10.8
≤14.0
≤17.6
≤22.7
≤68.0

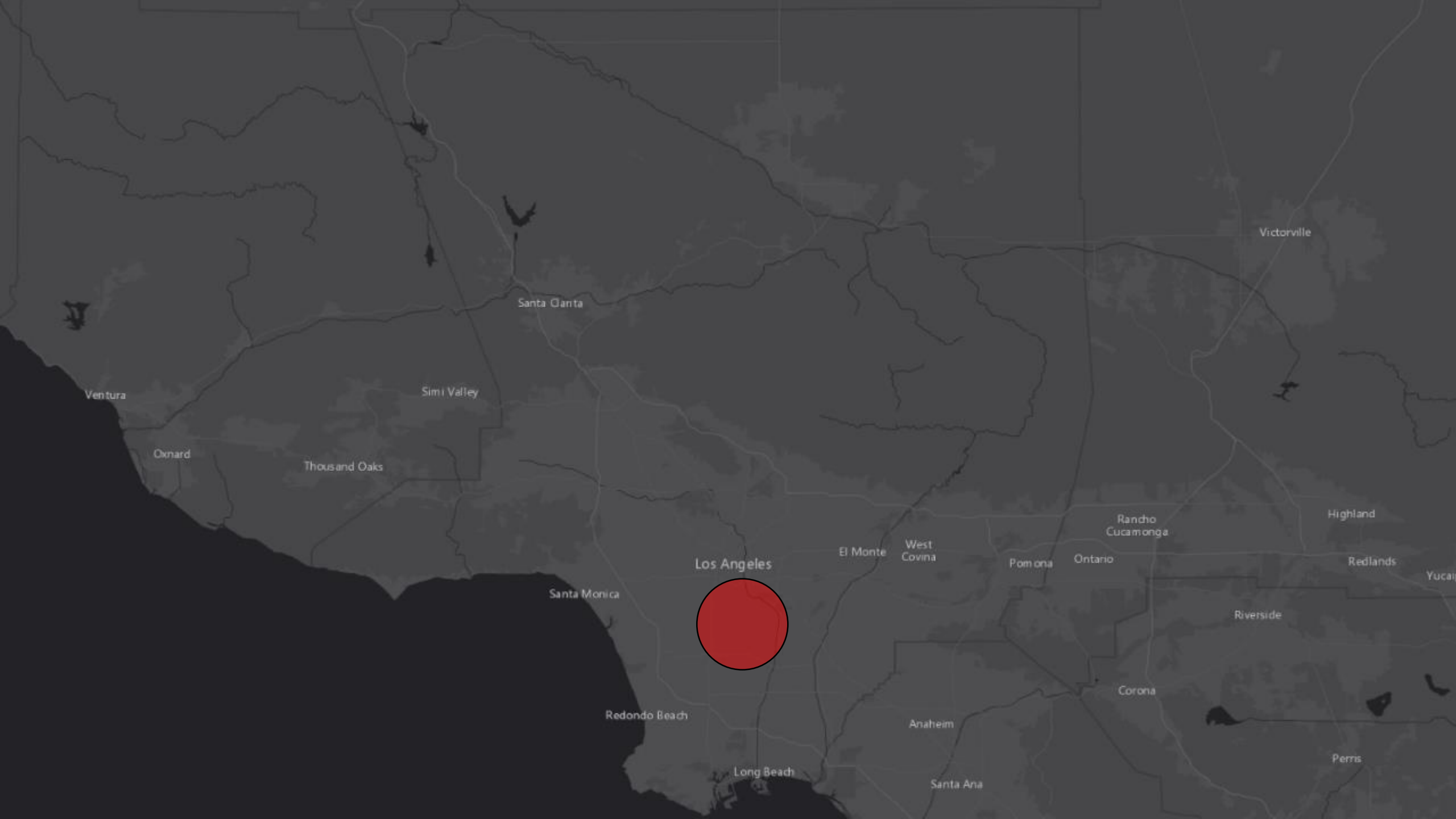
Census



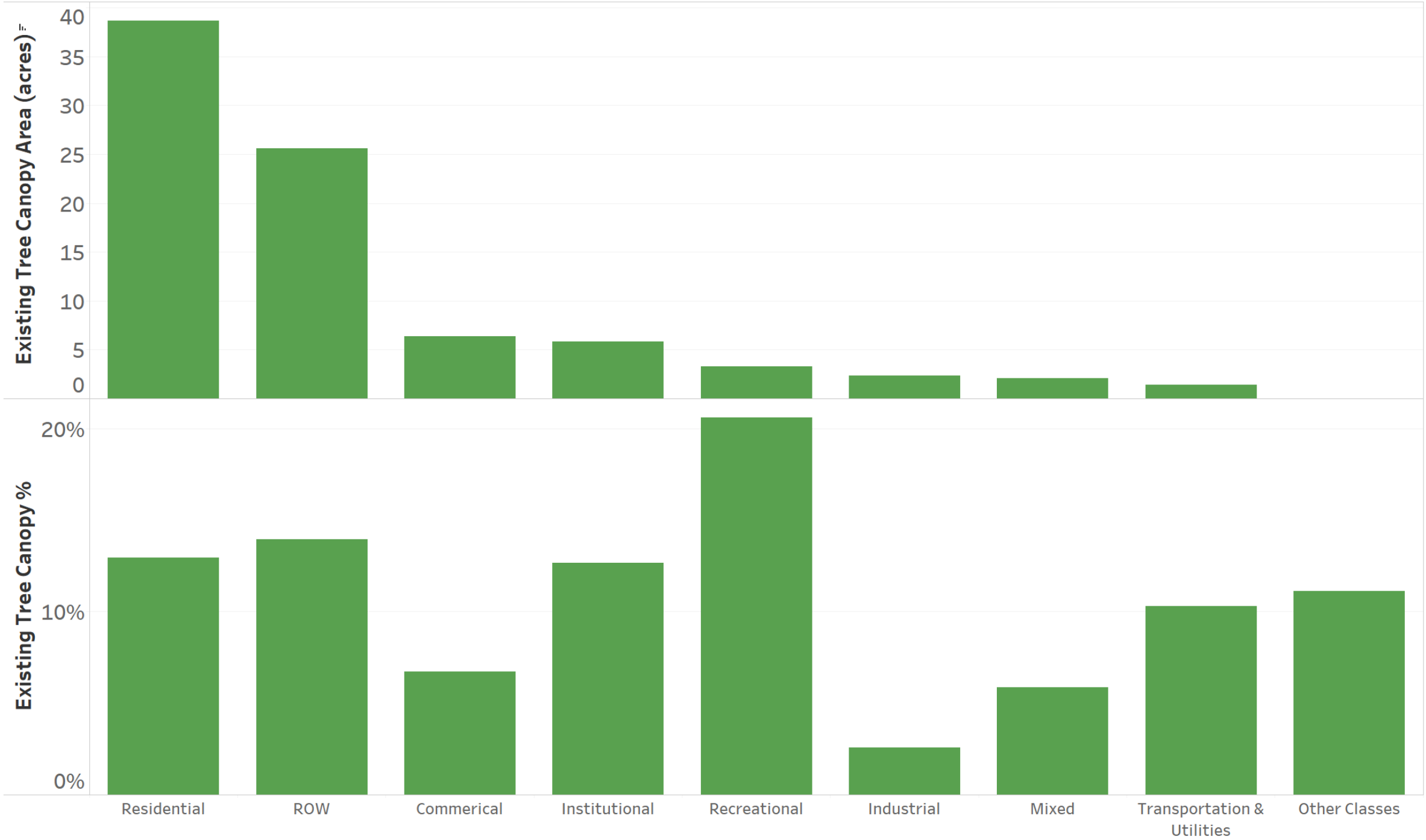
EnviroScreen

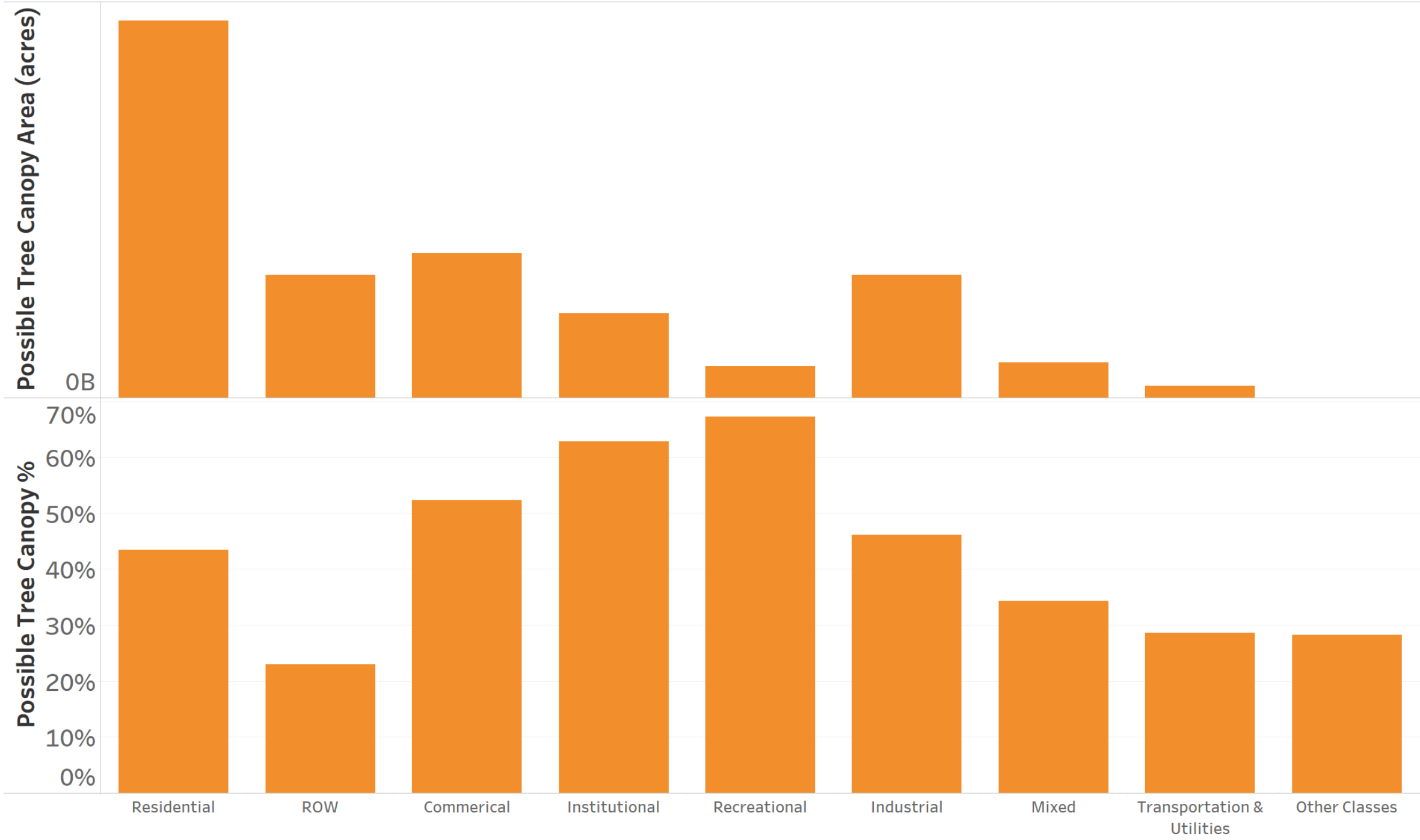


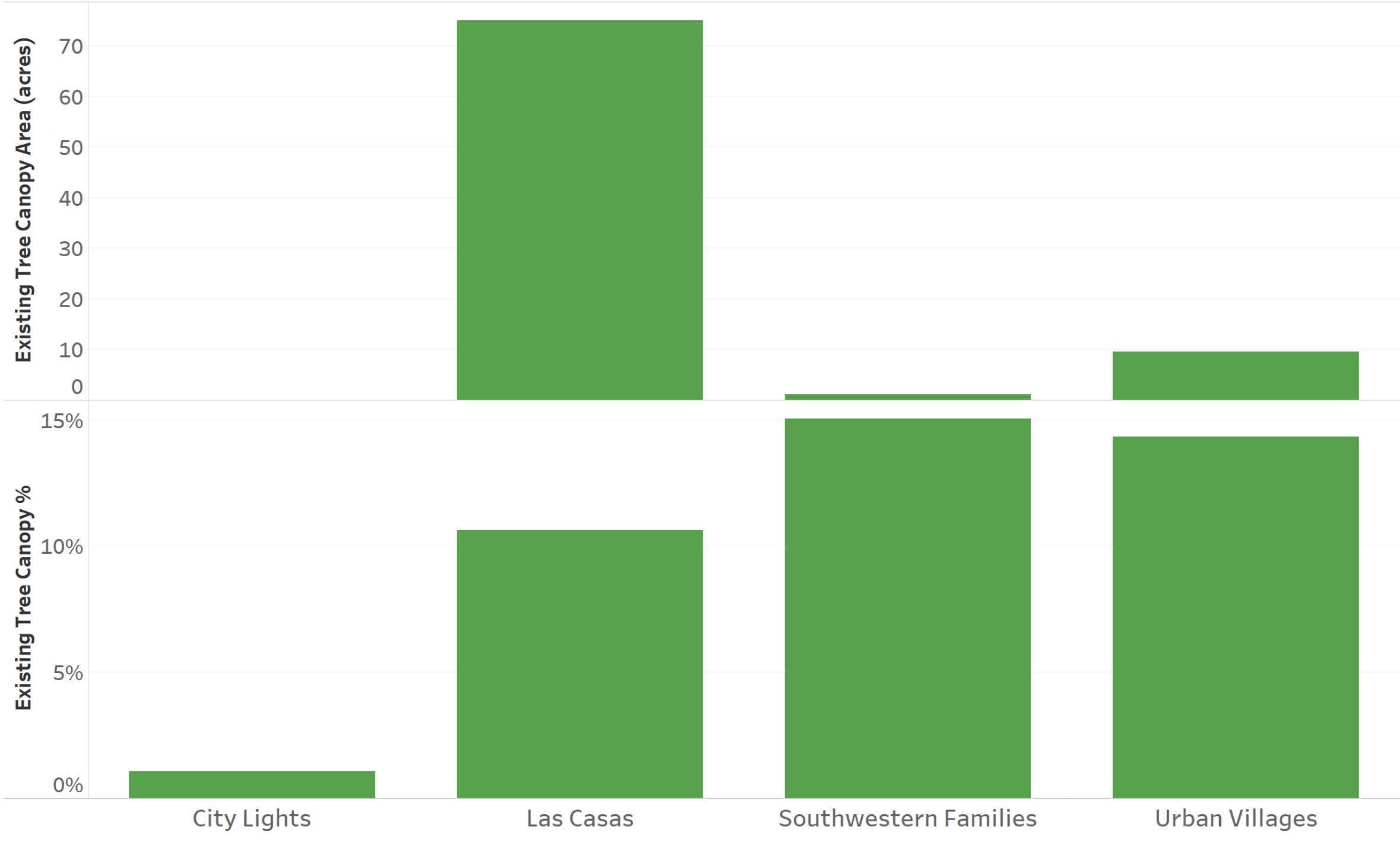
Subwatersheds

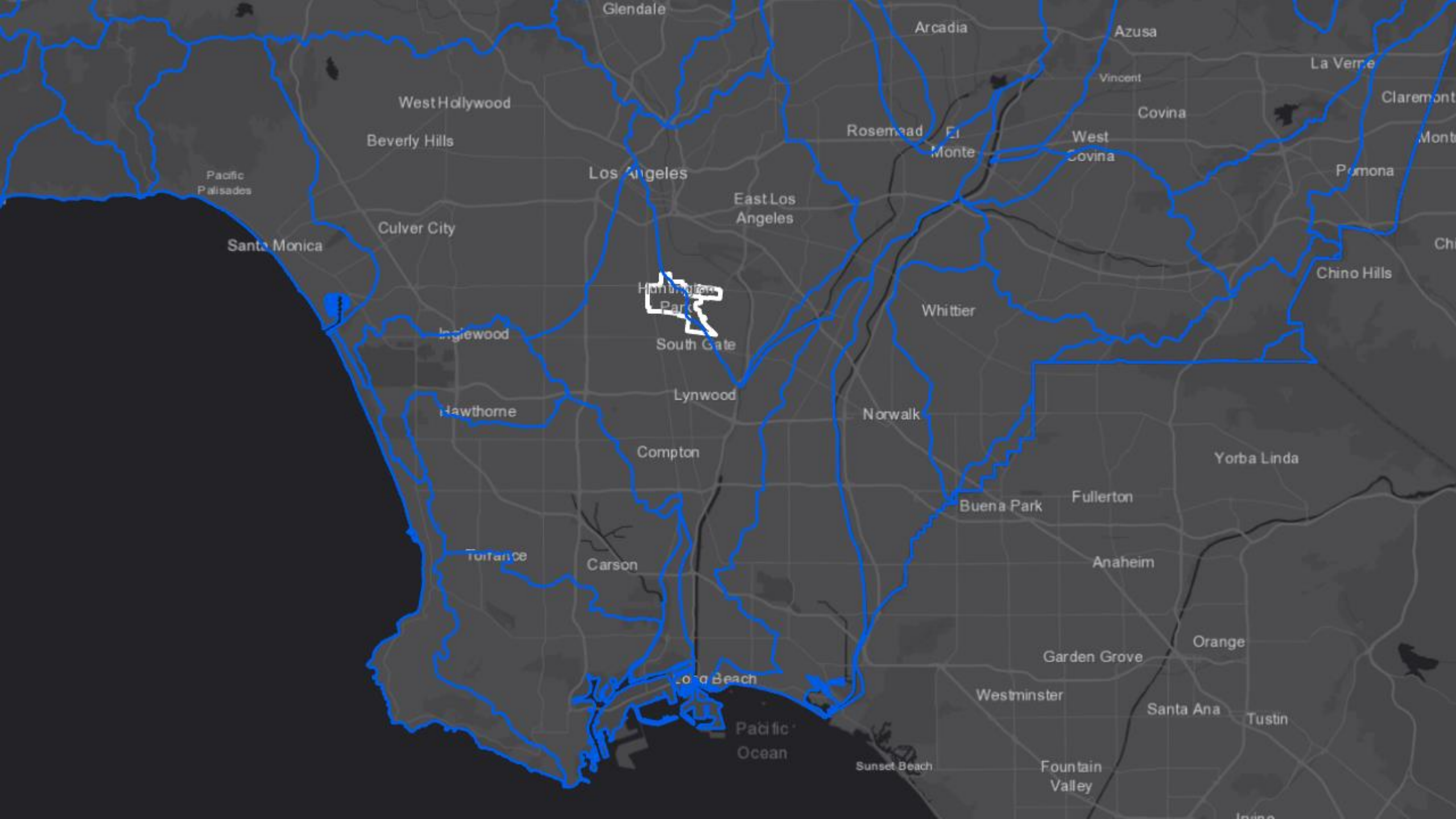

Victorville
Santa Clarita
Ventura
Simi Valley
Oxnard
Thousand Oaks
Rancho Cucamonga
Highland
El Monte
West Covina
Los Angeles
Pomona
Ontario
Redlands
Santa Monica
Riverside
Corona
Redondo Beach
Anaheim
Perris
Long Beach
Santa Ana

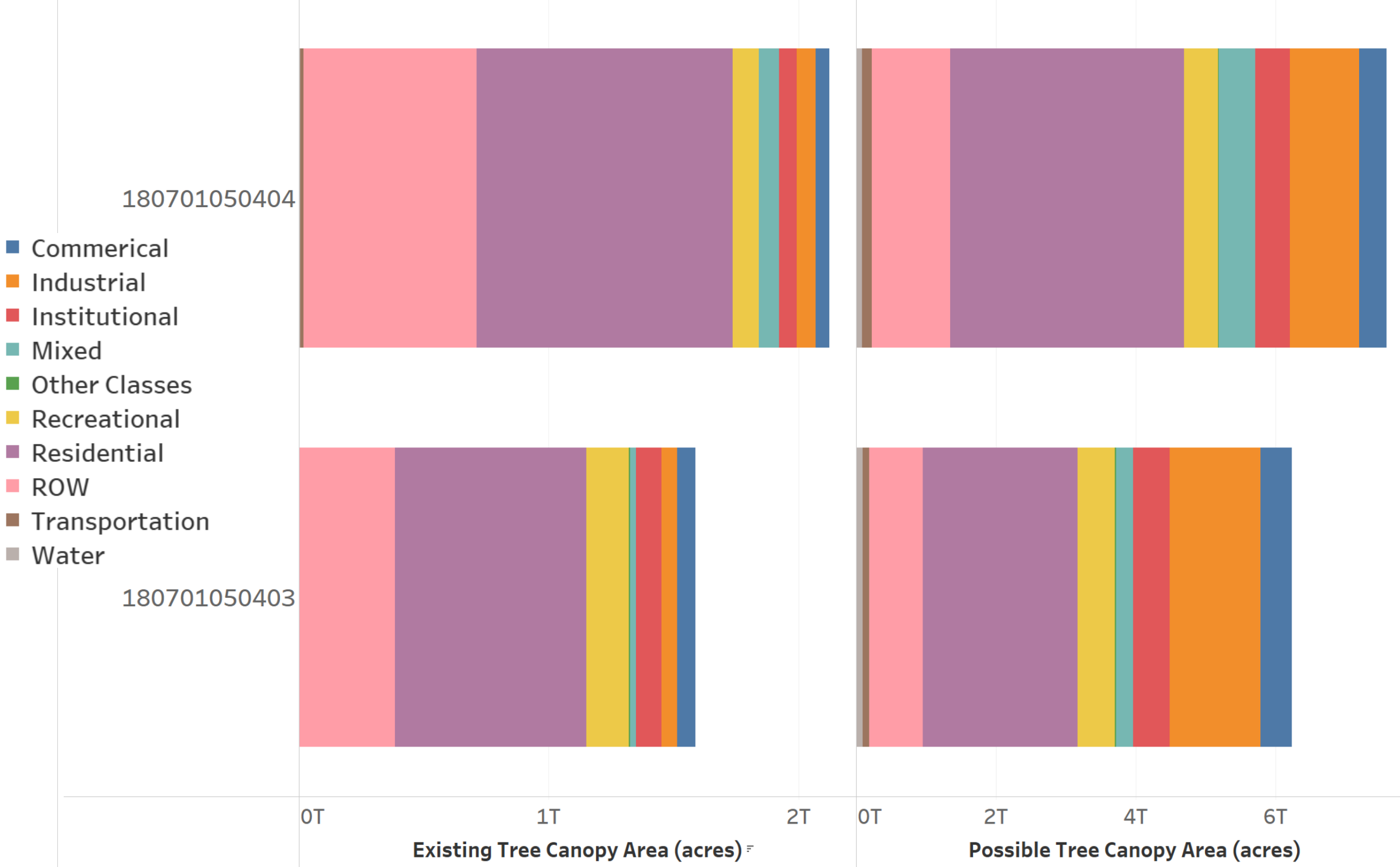
Maywood
Huntington Park
Bell
Cudahy
South Gate


Existing Tree Canopy Area (acres)
40
35
30
25
20
15
10
5
0
Existing Tree Canopy %
20%
10%
0%
Residential
ROW
Commerical
Institutional
Recreational
Industrial
Mixed
Transportation & Utilities
Other Classes


Possible Tree Canopy Area (acres)
0B
Possible Tree Canopy %
70%
60%
50%
40%
30%
20%
10%
0%
Residential
ROW
Commerical
Institutional
Recreational
Industrial
Mixed
Transportation & Utilities
Other Classes


Existing Tree Canopy Area (acres)
70
60
50
40
30
20
10
0
Existing Tree Canopy %
15%
10%
5%
0%
City Lights
Las Casas
Southwestern Families
Urban Villages

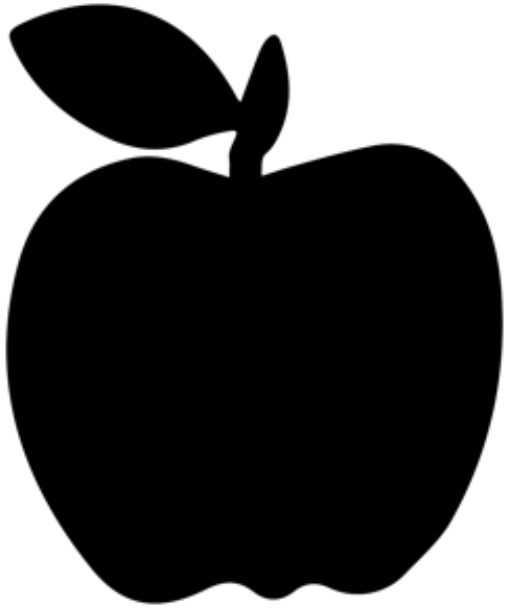

Glendale
Arcadia
Azusa
La Verne
Vincent
Claremont
West Hollywood
Beverly Hills
Rosemead
El Monte
West Covina
Covina
Pacific Palisades
Los Angeles
East Los Angeles
Pomona
Culver City
Santa Monica
Chino Hills
Whittier
Inglewood
South Gate
Lynwood
Hawthorne
Norwalk
Compton
Yorba Linda
Buena Park
Fullerton
Torrance
Carson
Anaheim
Orange
Garden Grove
Long Beach
Westminster
Santa Ana
Tustin
Pacific Ocean
Sunset Beach
Fountain Valley


180701050404
180701050403
Commerical
Industrial
Institutional
Mixed
Other Classes
Recreational
Residential
ROW
Transportation
Water
0T
1T
2T
Existing Tree Canopy Area (acres)
0T
2T
4T
6T
Possible Tree Canopy Area (acres)

San Diego

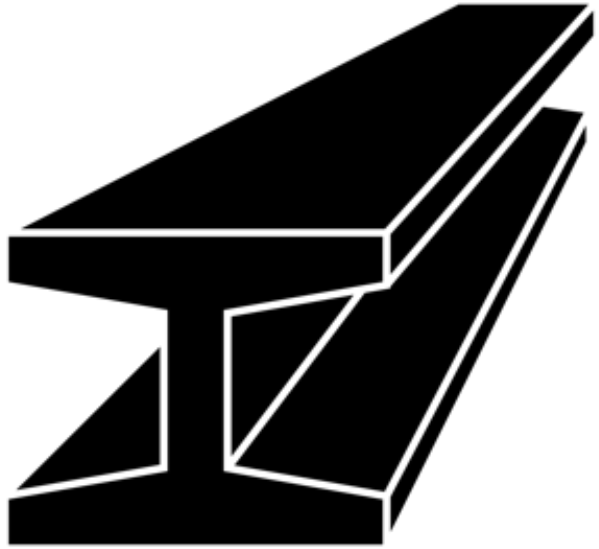
13%

NYC



21%

Pittsburgh



42%

Los Angeles
Tree Canopy Assessment
Using 2016 Spatial Data