

OUR MISSION

Restore threatened forest ecosystems and inspire people to value and protect urban and wildland forests.



Planted nearly

48 Million Trees

In more than 1000 Restoration Projects
In All 50 States and 44 Countries

Washington, DC

Regional Analysis



LandSat MSS 1973 80 Meter Pixel Resolution

Key: % Tree Cover



LandSat TM 1997 30 Meter Pixel Resolution



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The background of the slide is a sunset scene. The sky transitions from a deep orange at the horizon to a dark purple at the top. Silhouettes of various trees are visible against the bright orange glow of the setting sun.

Community ReLeaf

Building local capacity for
long-term management

1. Urban Tree Canopy Analysis
2. Strategic Restoration
3. Outreach / Policy Support

Asbury Park, NJ

Atlanta, GA

Austin, TX

Chicago, IL

Detroit, MI

Hartford, CT

Miami, FL

Nashville, TN

Oakland, CA

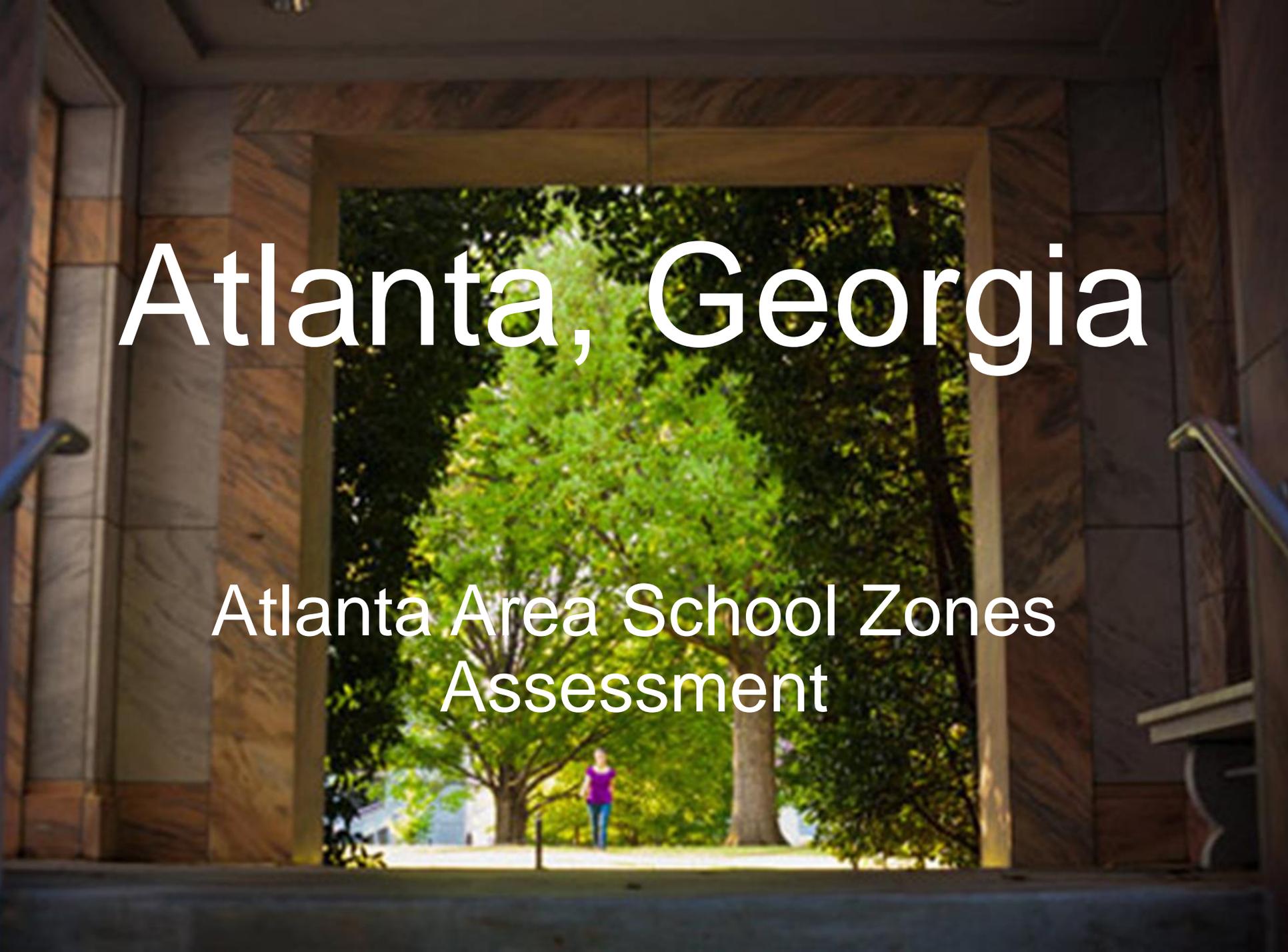
Pasadena, CA

Washington, DC

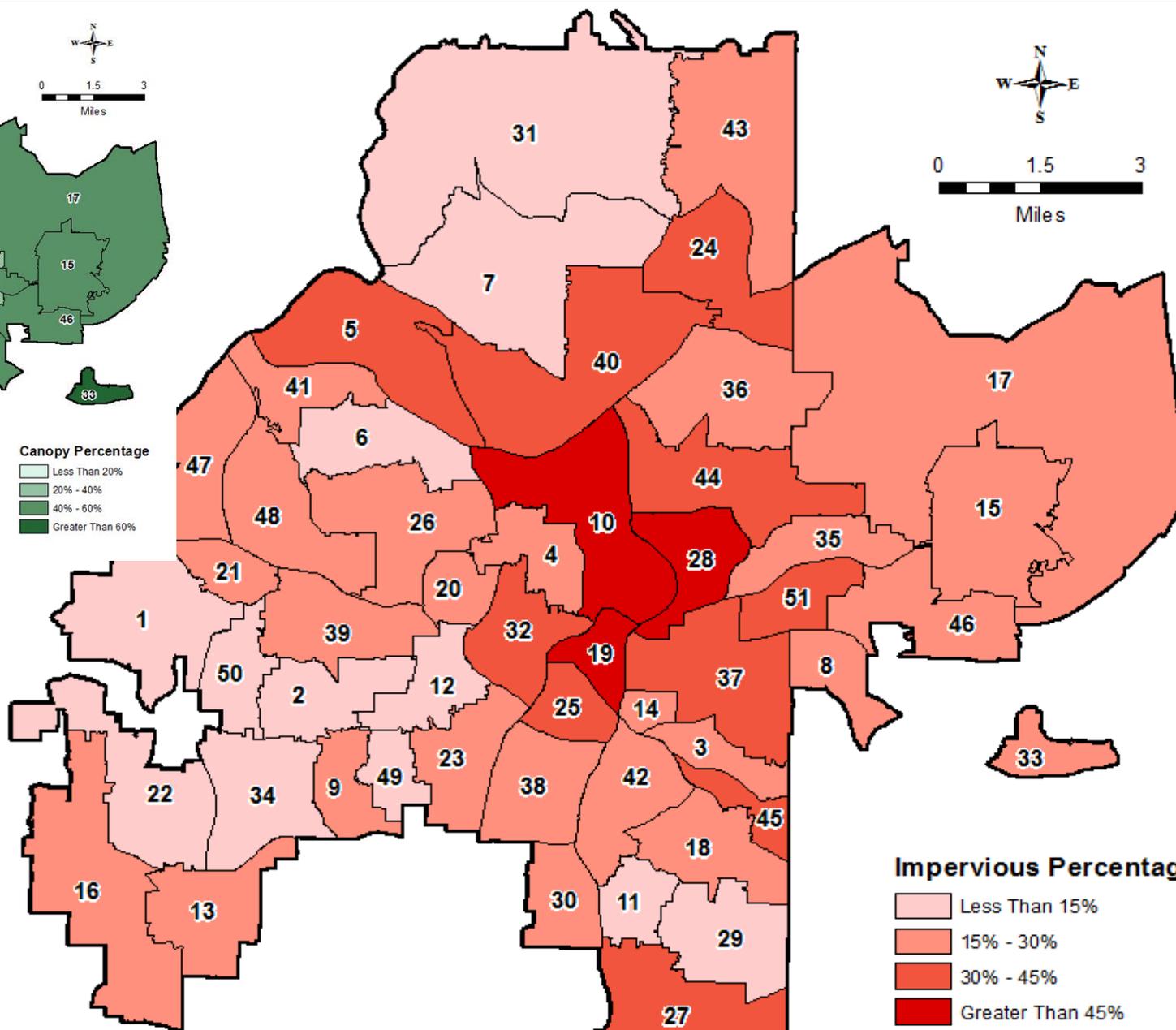
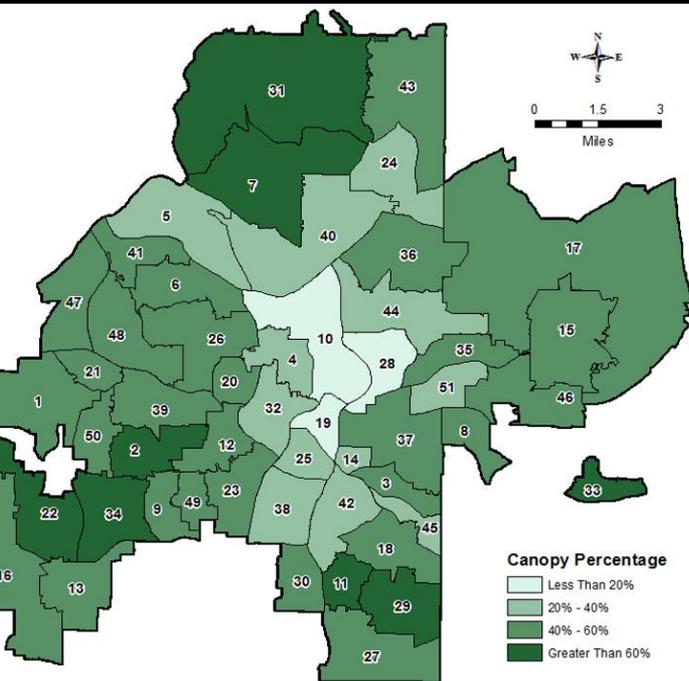


Atlanta, Georgia

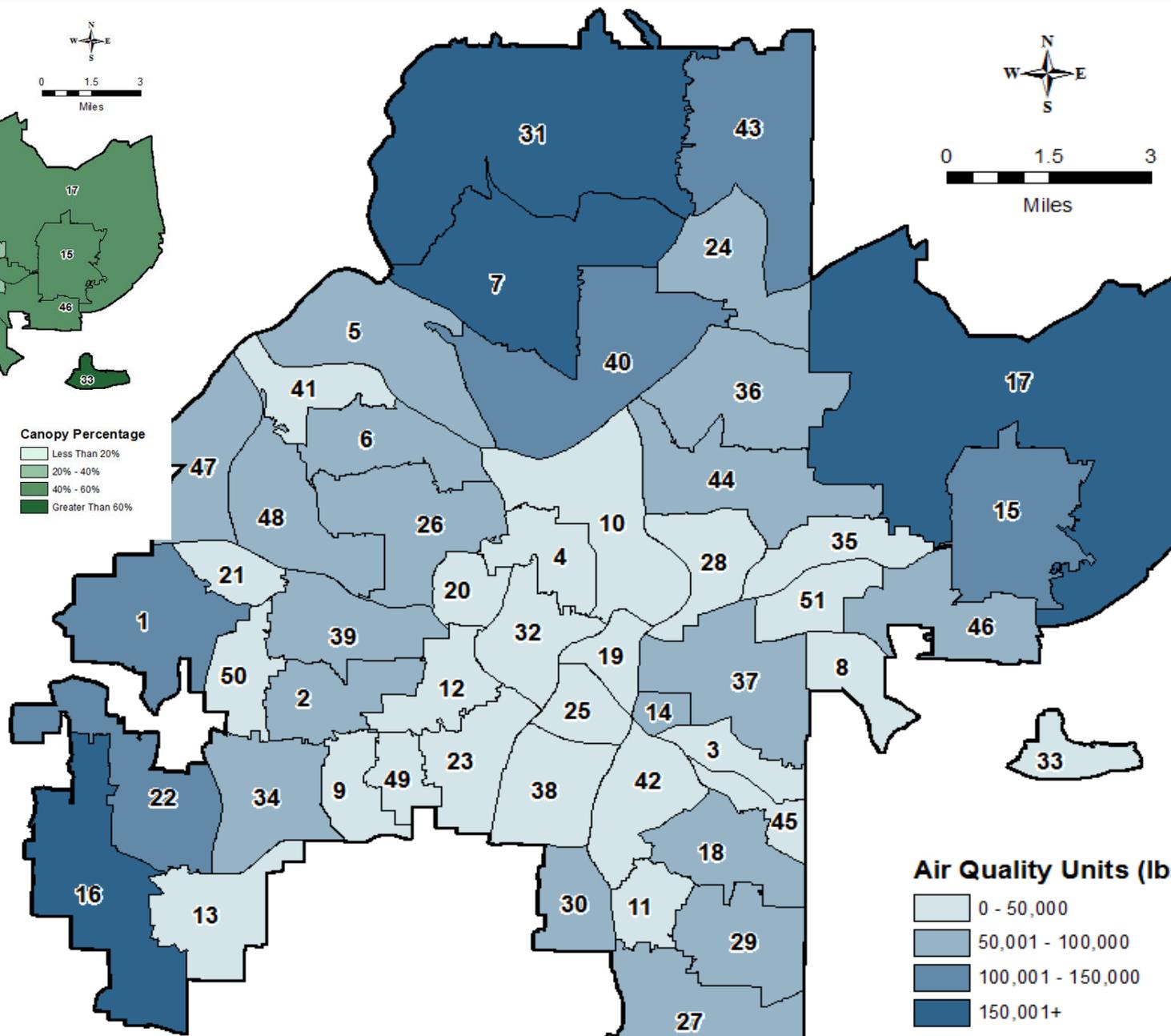
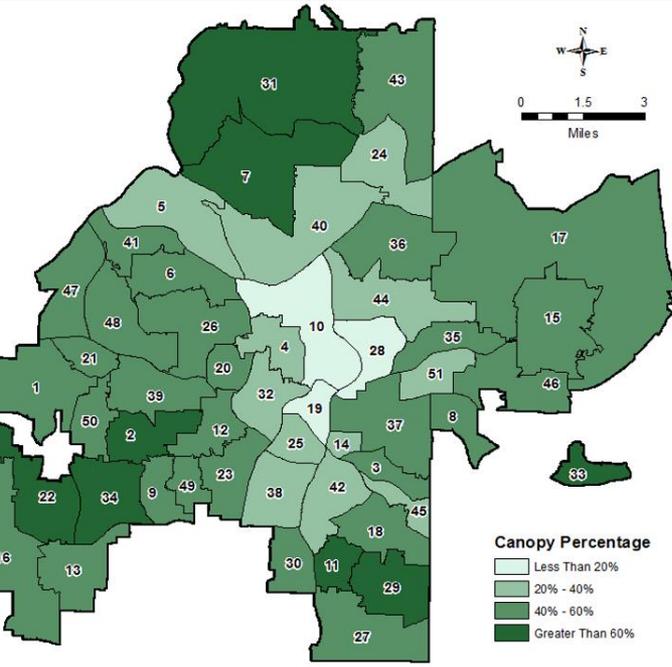
Atlanta Area School Zones Assessment



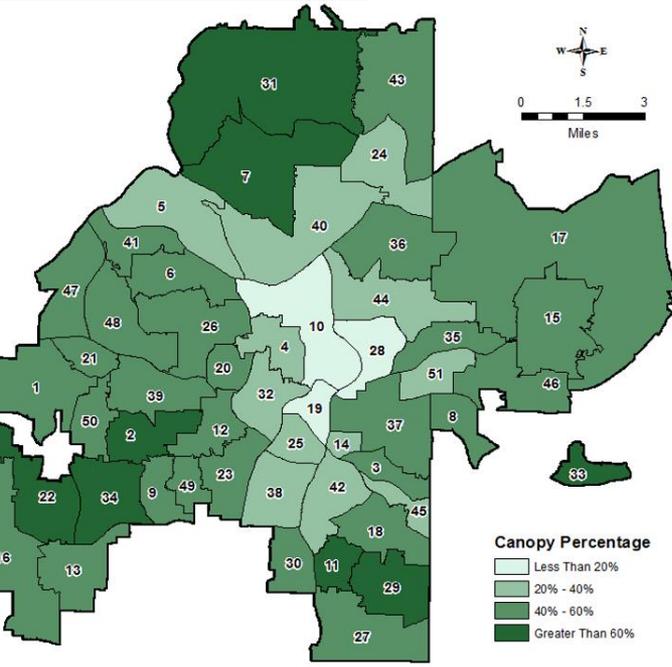
Tree Canopy Relation to Impervious



Tree Canopy Relation to Air Quality

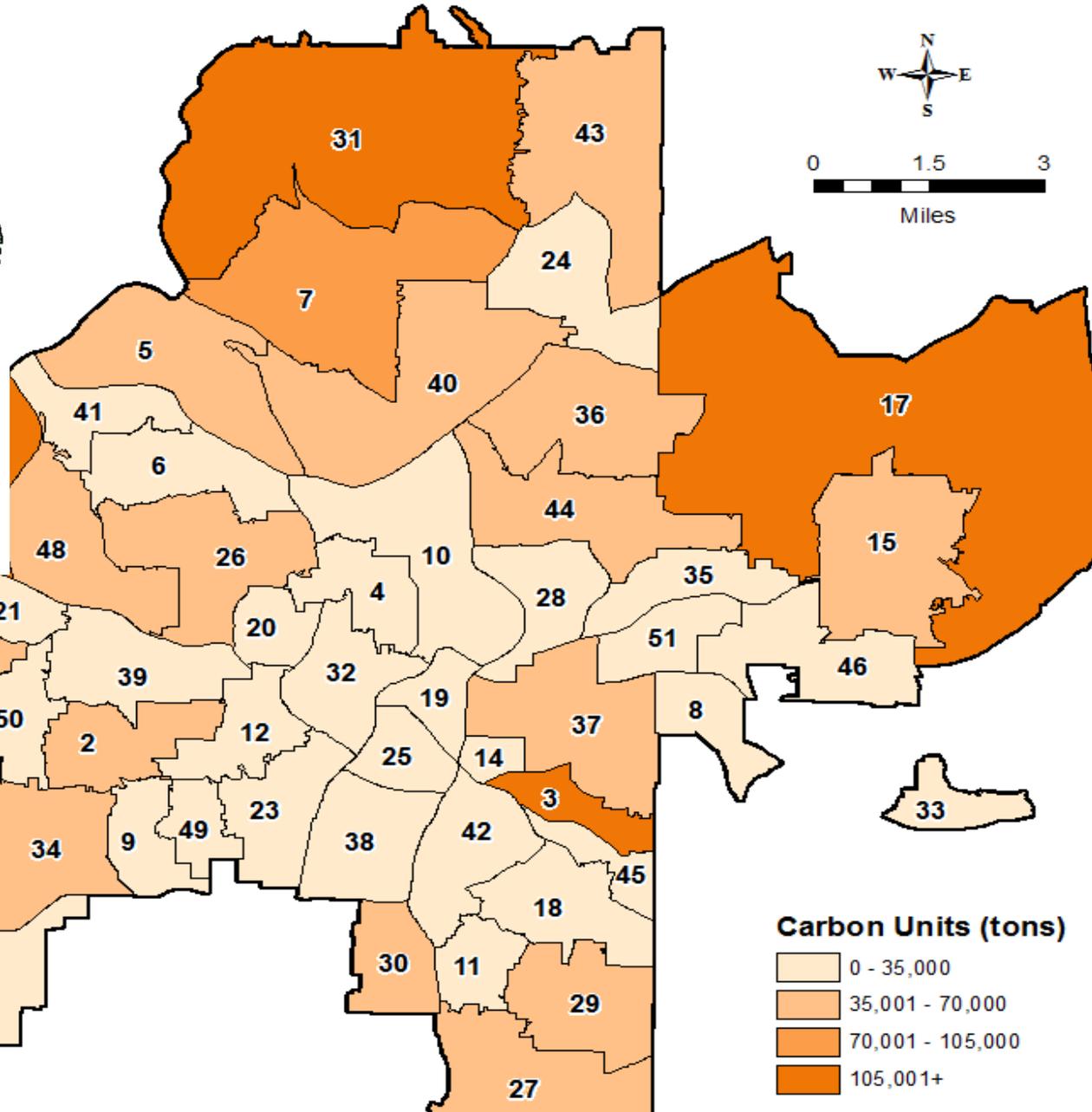


Carbon Reduction Benefits of Canopy



Canopy Percentage

- Less Than 20%
- 20% - 40%
- 40% - 60%
- Greater Than 60%



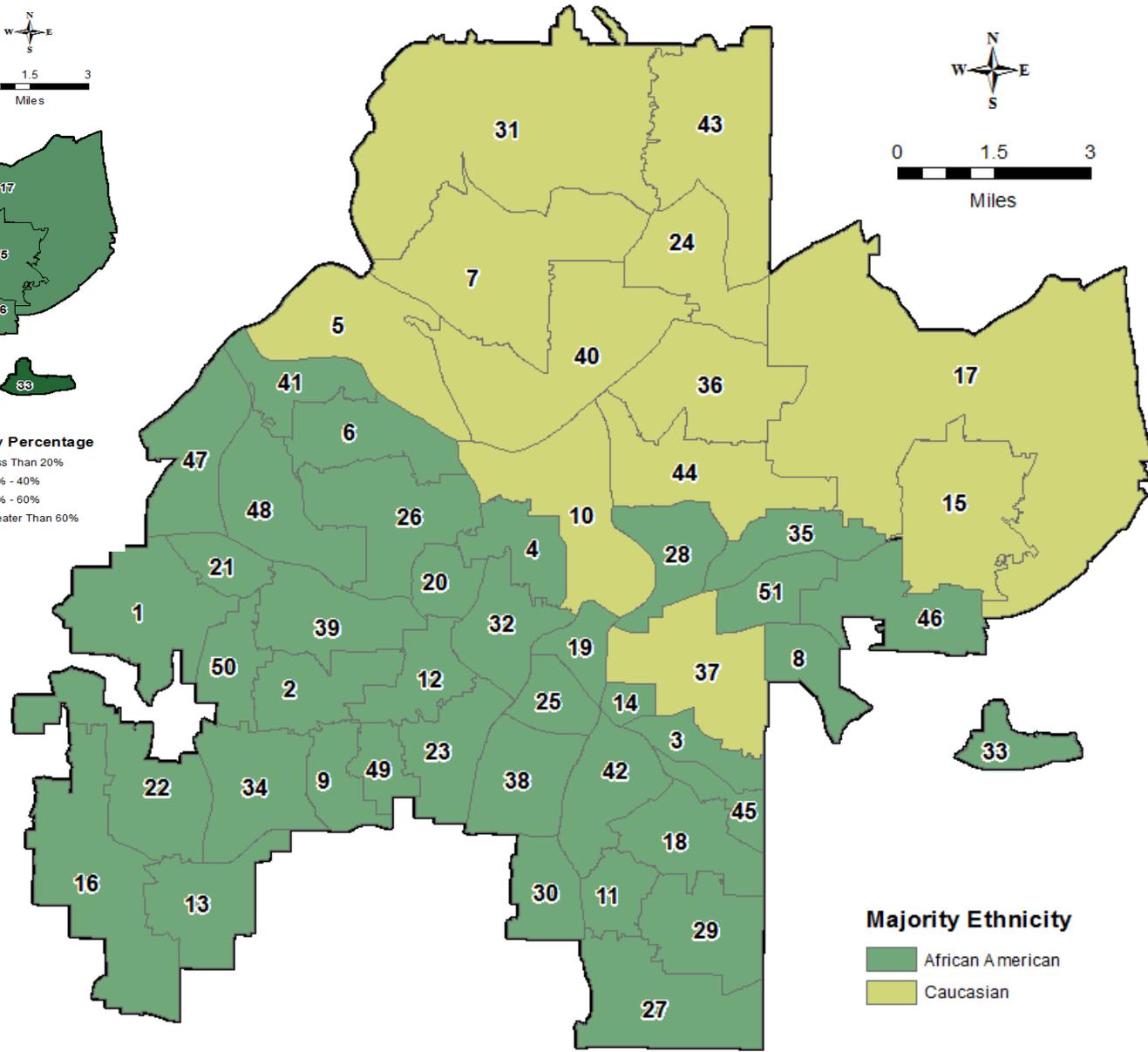
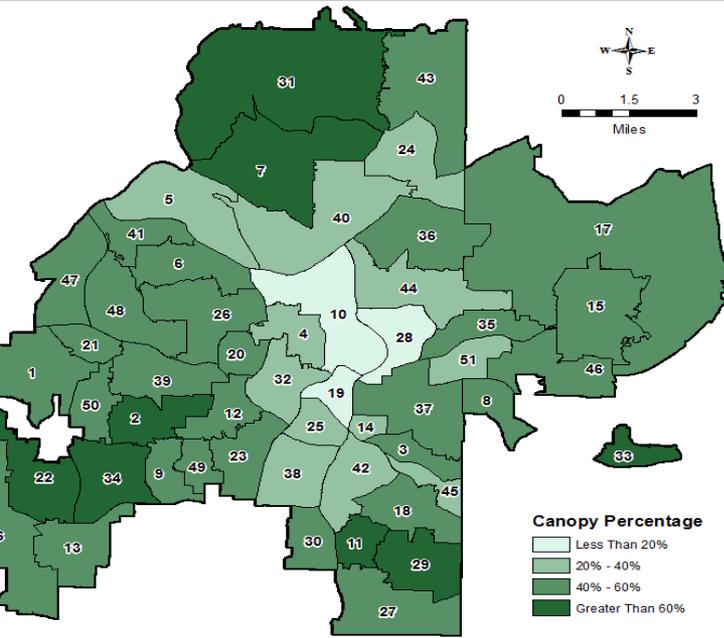
Carbon Units (tons)

- 0 - 35,000
- 35,001 - 70,000
- 70,001 - 105,000
- 105,001+

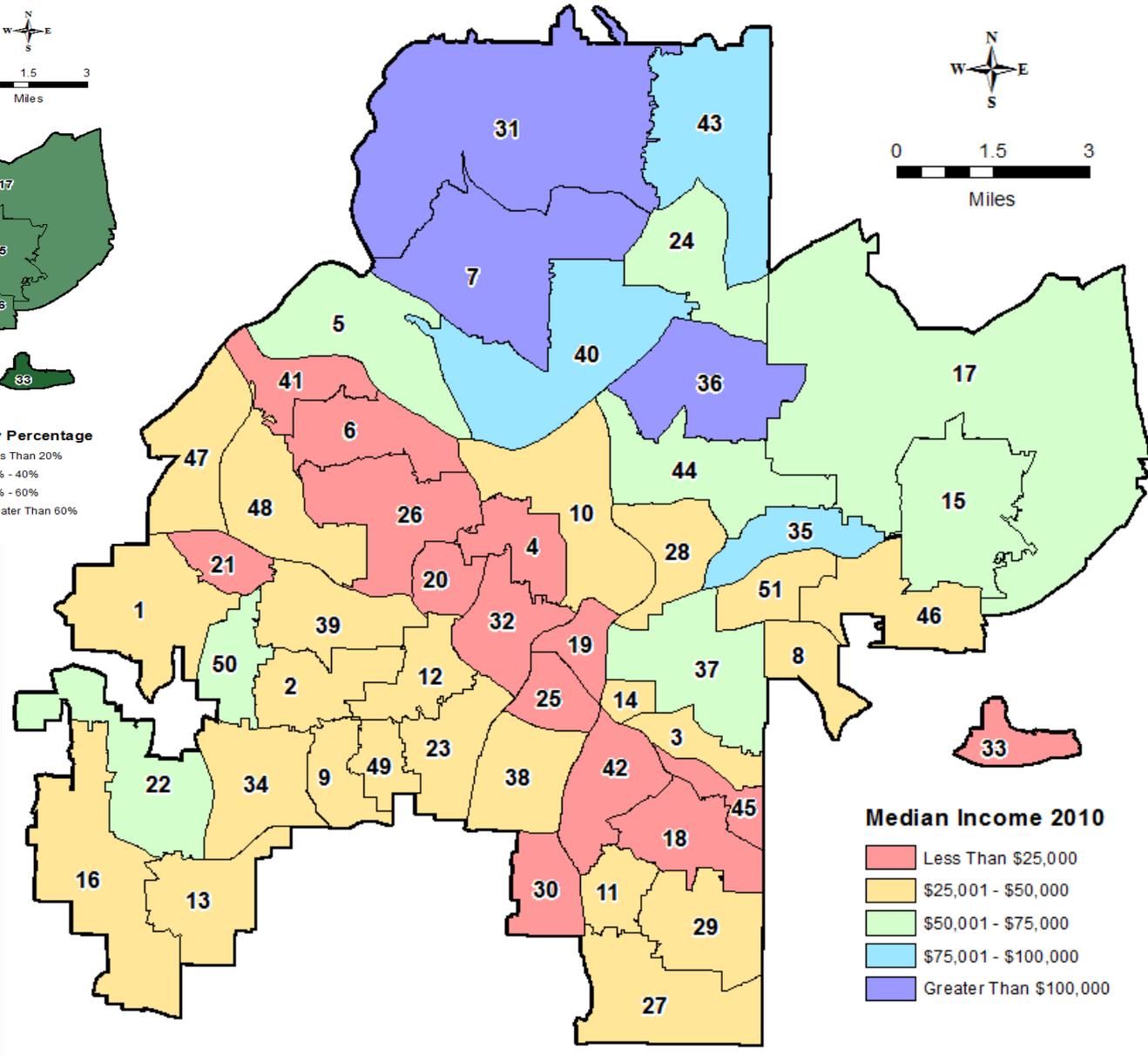
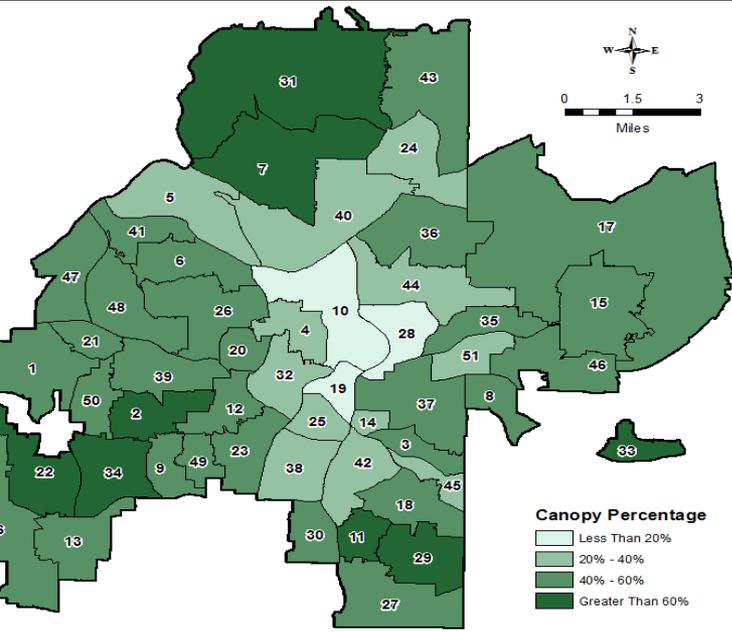
0 – 35,000
tons

105,000 +
tons

No Canopy Relation to Ethnicity



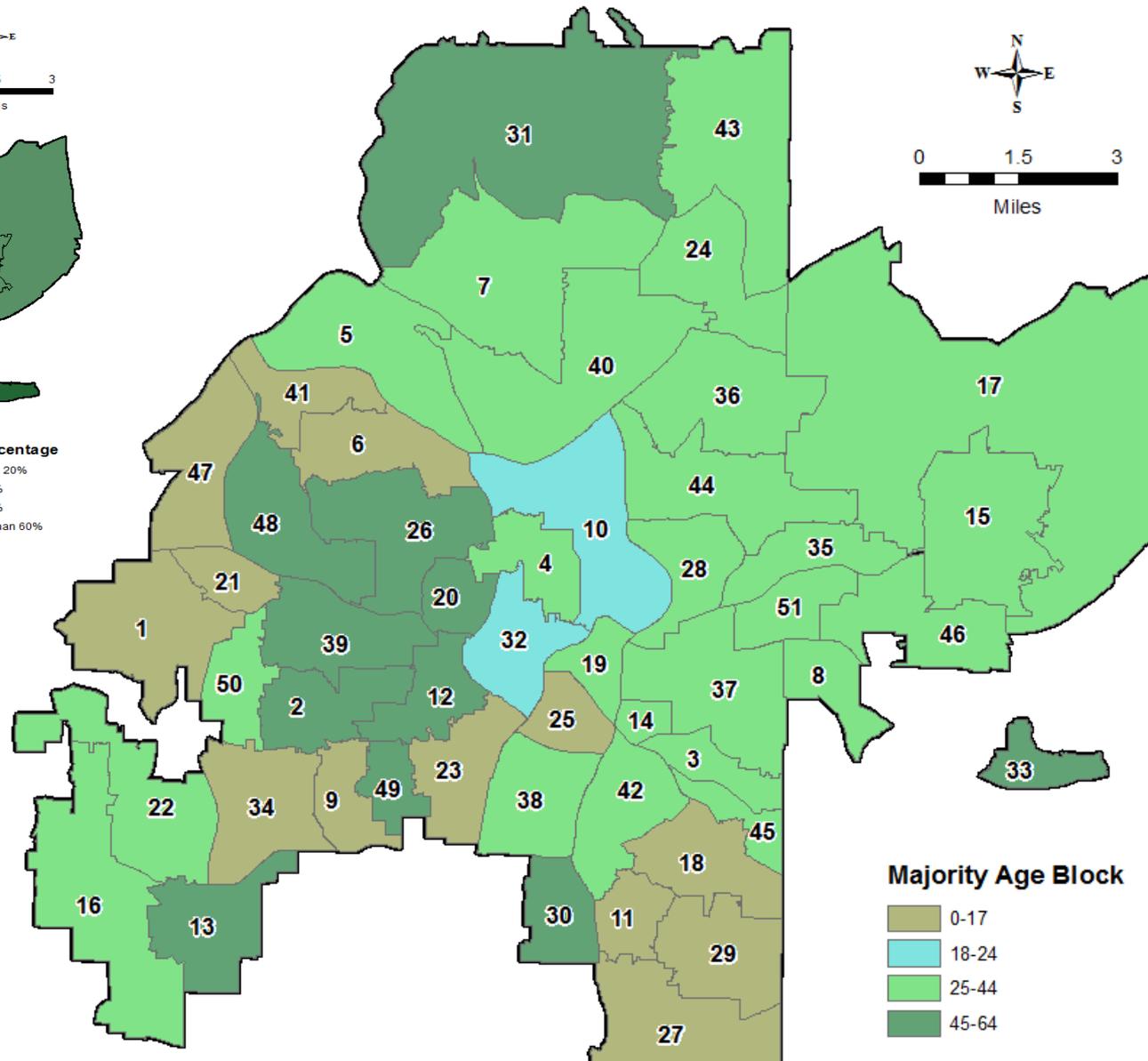
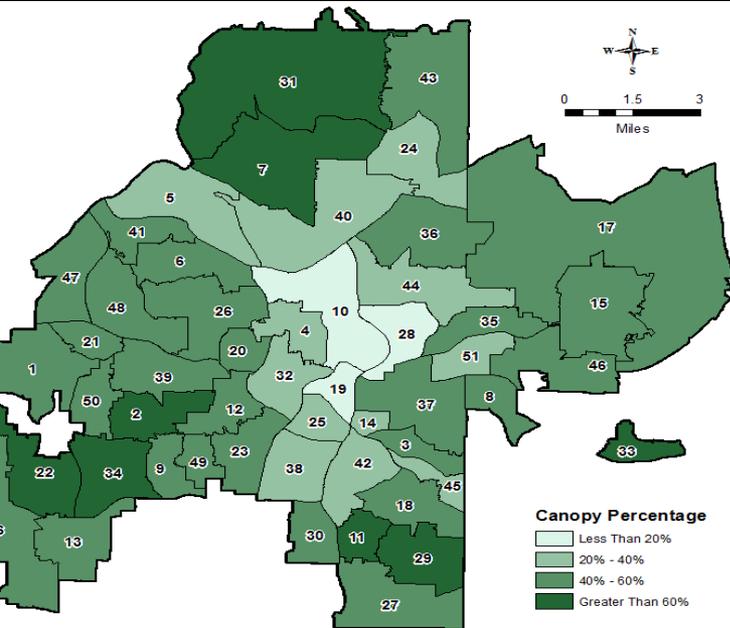
Canopy Relation to Income



Avg. Highest Canopy
\$57,580

Avg. Lowest Canopy
\$28,546

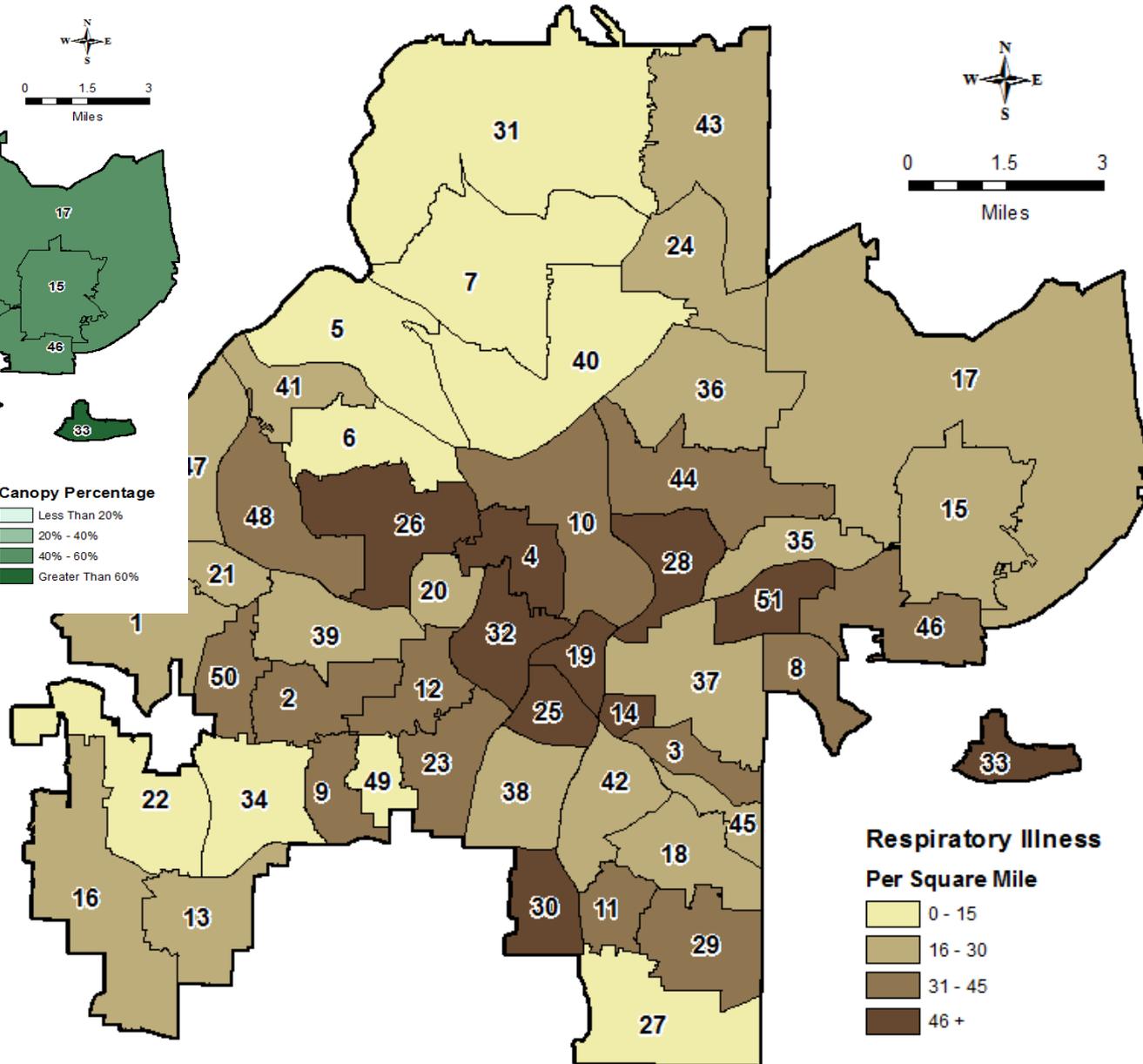
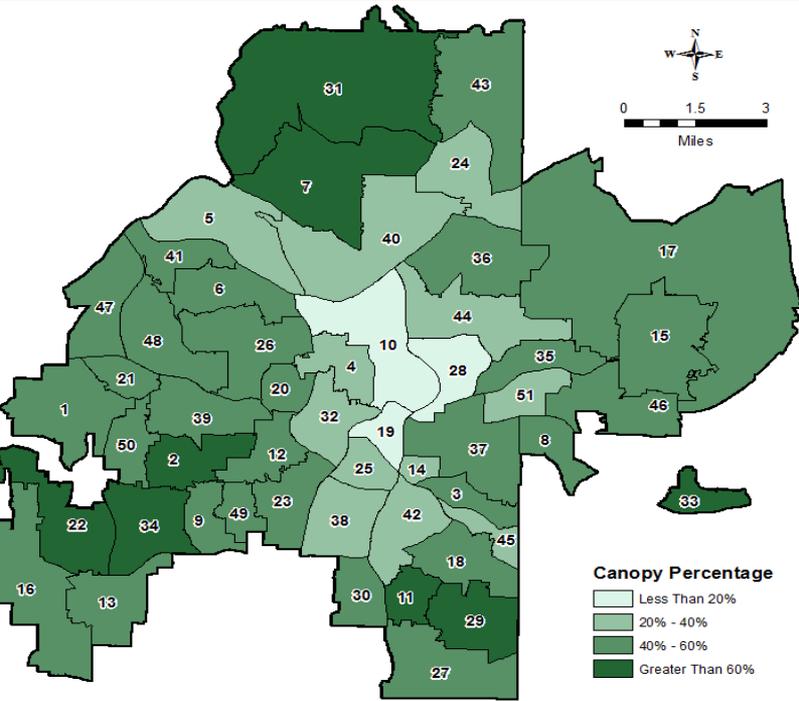
Canopy Relation to Majority Age



**4/10 highest tree canopy
45-64 years old**

**7/10 lowest tree canopy
25-44 years old**

Canopy Relation to Respiratory Illness



Number of Annual
Incidents Not Occurring:
3,386

Economic Value:
\$12.6 million / year

Number of Incidents Not Occurring

Hospital Admissions:	4.8
Emergency Room Visits	2.2
Asthma Exacerbation	1,316
Acute Respiratory Symptoms	1,561
Mortality	1.5
School Loss Days	396
Work Loss Days	82

Stormwater Management

Increase canopy from 23% to 35%,
Decrease runoff by 357,000 cubic feet

Planting Interval	Year 5	Year 10	Year 15	Year 20	Year 25	Year 30	Year 35	Year 40
Year 5 Planting	-\$376,688	\$340,371	\$614,039	\$954,488	\$1,268,138	\$1,616,685	\$1,794,008	\$2,162,017
Year 10 Planting	-	-\$376,688	\$340,371	\$614,039	\$954,488	\$1,268,138	\$1,616,685	\$1,794,008
Year 15 Planting	-	-	-\$376,688	\$340,371	\$614,039	\$954,488	\$1,268,138	\$1,616,685
Year 20 Planting	-	-	-	-\$376,688	\$340,371	\$614,039	\$954,488	\$1,268,138
Year 25 Planting	-	-	-	-	-\$376,688	\$340,371	\$614,039	\$954,488
Year 30 Planting	-	-	-	-	-	-\$376,688	\$340,371	\$614,039
Year 35 Planting	-	-	-	-	-	-	-\$376,688	\$340,371
Year 40 Planting	-	-	-	-	-	-	-	-\$376,688
TOTAL	-\$376,688	-\$36,317	\$577,722	\$1,532,210	\$2,800,349	\$4,417,034	\$6,211,042	\$8,373,059

Detroit

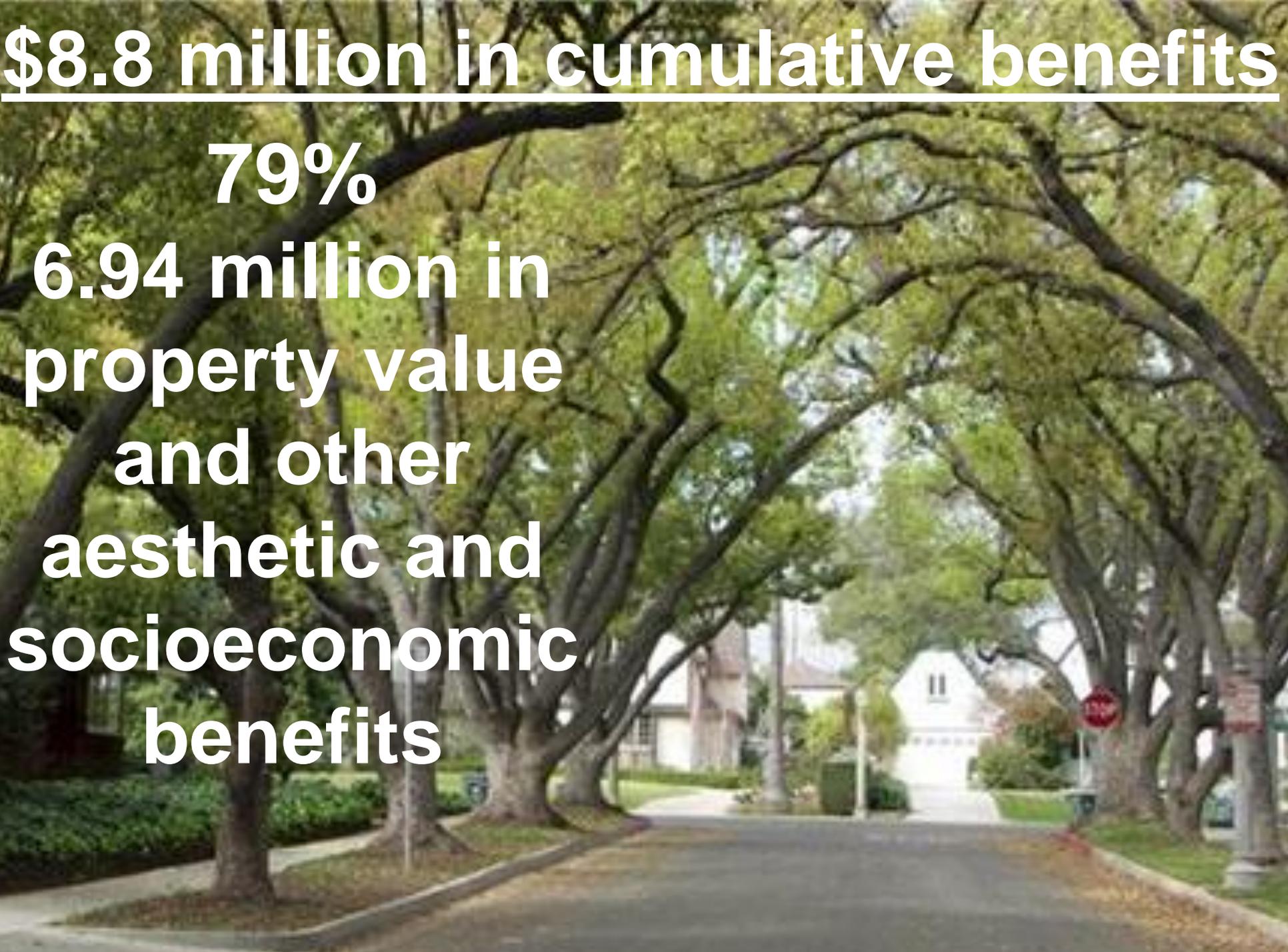


1 200 acre Rouge Park

\$8.8 million in cumulative benefits

79%

**6.94 million in
property value
and other
aesthetic and
socioeconomic
benefits**



For every \$1.00
spent on
street trees

Pasadena
receives \$3.11
in benefits



Urban Restoration



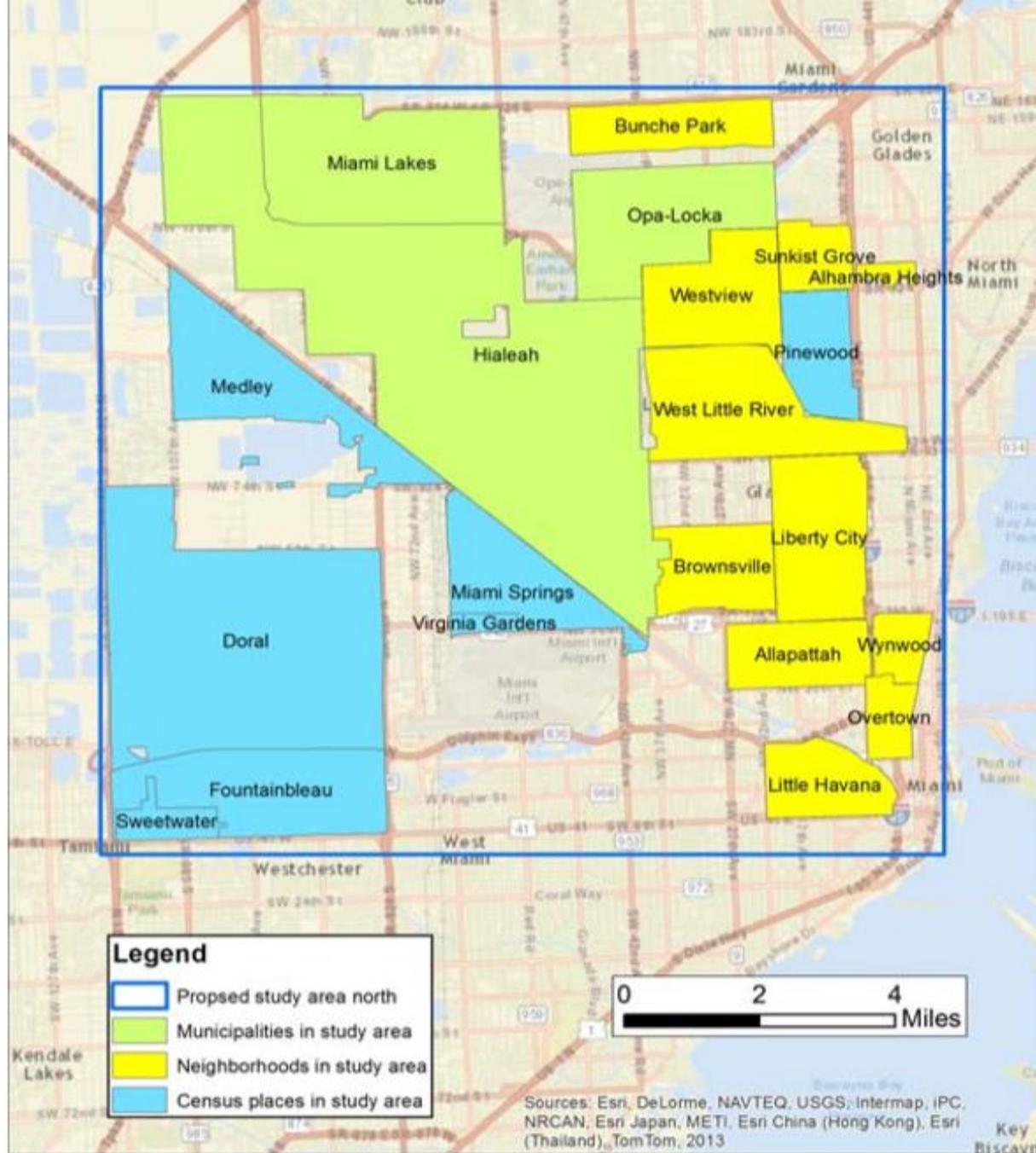
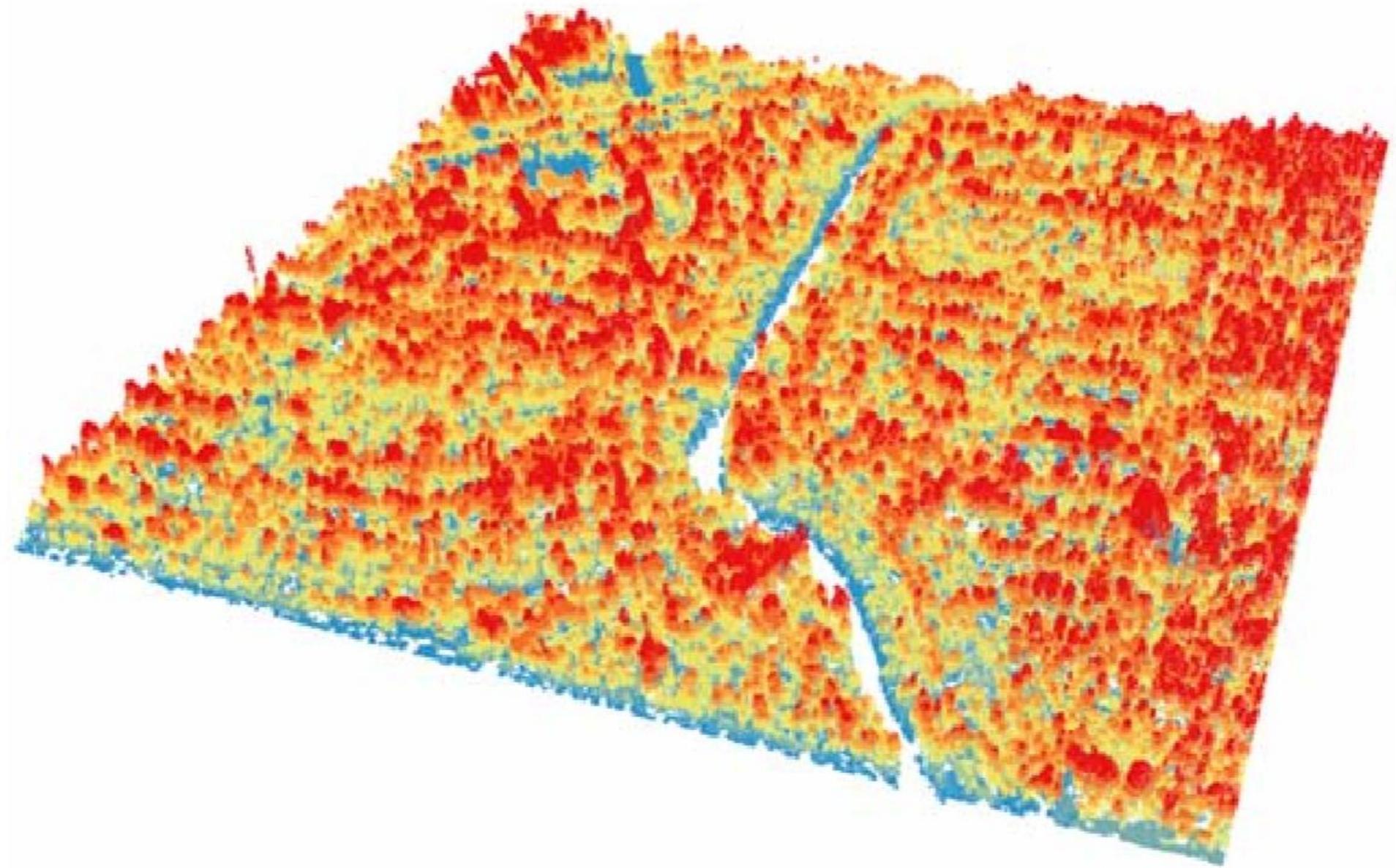


Figure 6: Neighborhoods, municipalities, and neighborhood places in the proposed study area

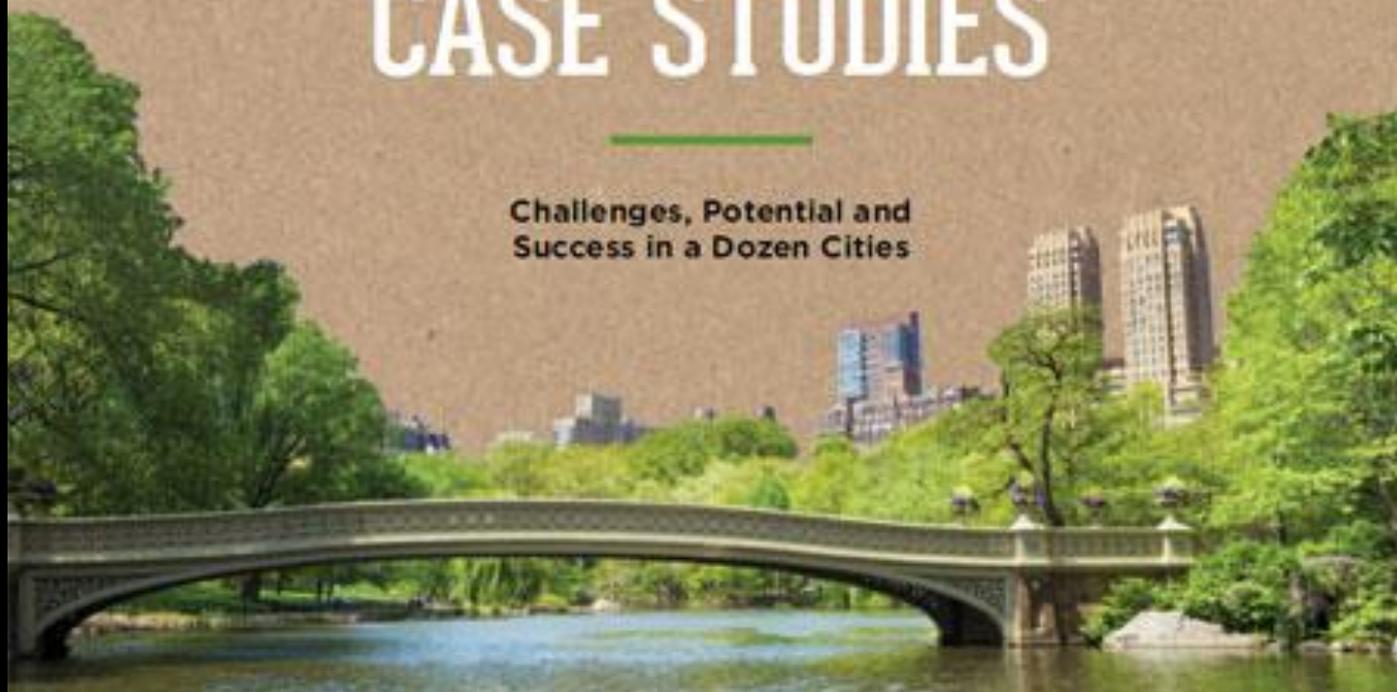




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URBAN FORESTS CASE STUDIES

**Challenges, Potential and
Success in a Dozen Cities**



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